

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008970.D
 Acq On : 15 Apr 2019 19:05
 Operator : JC/SP
 Sample : K2385-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Quant Time: Apr 16 03:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144451	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	162223	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.50	113	119203	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	8.71	98	483165	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.13	95	169497	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	134408	53.695	ug/l	99
3) Chloromethane	1.32	50	158049	51.430	ug/l	100
4) Vinyl Chloride	1.41	62	154389	51.617	ug/l	98
5) Bromomethane	1.64	94	85894	46.178	ug/l	99
6) Chloroethane	1.71	64	91440	51.989	ug/l	96
7) Trichlorofluoromethane	1.93	101	176189	50.452	ug/l	97
8) Diethyl Ether	2.19	74	80255	50.251	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110346	49.420	ug/l	99
10) Methyl Iodide	2.51	142	125113	51.139	ug/l	99
11) Tert butyl alcohol	3.05	59	160518	236.109	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115161	49.413	ug/l	98
13) Acrolein	2.29	56	144146	245.391	ug/l	100
14) Allyl chloride	2.73	41	261486	51.427	ug/l	99
15) Acrylonitrile	3.14	53	437339	253.416	ug/l	99
16) Acetone	2.45	43	361846	227.824	ug/l	100
17) Carbon Disulfide	2.57	76	339727	49.616	ug/l	100
18) Methyl Acetate	2.78	43	189976	47.926	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	425017	51.181	ug/l	99
20) Methylene Chloride	2.85	84	132491	48.779	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	122568	49.307	ug/l	96
22) Diisopropyl ether	3.85	45	511943	51.815	ug/l	97
23) Vinyl Acetate	3.81	43	2274541	261.889	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251941	50.797	ug/l	99
25) 2-Butanone	4.67	43	638183	251.378	ug/l	99
26) 2,2-Dichloropropane	4.59	77	174448	46.923	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	150229	53.229	ug/l	100
28) Bromochloromethane	5.01	49	110282	53.675	ug/l	99
29) Tetrahydrofuran	5.13	42	430705	253.471	ug/l	99
30) Chloroform	5.21	83	227874	51.344	ug/l	98
31) Cyclohexane	5.58	56	247464	50.729	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	189863	51.615	ug/l	99
36) 1,1-Dichloropropene	5.80	75	177897	48.168	ug/l	99
37) Ethyl Acetate	4.83	43	243388	51.214	ug/l	99
38) Carbon Tetrachloride	5.79	117	159068	50.804	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008970.D
 Acq On : 15 Apr 2019 19:05
 Operator : JC/SP
 Sample : K2385-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Quant Time: Apr 16 03:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220294	48.991	ug/l	98
40) Benzene	6.14	78	544460	49.972	ug/l	99
41) Methacrylonitrile	5.04	41	141393	51.840	ug/l	99
42) 1,2-Dichloroethane	6.20	62	193000	50.006	ug/l	99
43) Isopropyl Acetate	6.45	43	388118	50.679	ug/l	100
44) Trichloroethene	7.21	130	131627	49.307	ug/l	97
45) 1,2-Dichloropropane	7.51	63	153822	50.890	ug/l	99
46) Dibromomethane	7.66	93	86585	49.221	ug/l	100
47) Bromodichloromethane	7.90	83	174974	50.714	ug/l	98
48) Methyl methacrylate	7.77	41	197516	52.196	ug/l	99
49) 1,4-Dioxane	7.74	88	61614	869.927	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1238504	253.844	ug/l	100
52) Toluene	8.78	92	326074	49.937	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	204548	51.514	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	225088	50.626	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	130960	50.604	ug/l	97
56) Ethyl methacrylate	9.18	69	240587	51.846	ug/l	99
57) 1,3-Dichloropropane	9.37	76	233462	50.667	ug/l	100
59) 2-Hexanone	9.49	43	925433	246.021	ug/l	100
60) Dibromochloromethane	9.58	129	129997	52.412	ug/l	98
61) 1,2-Dibromoethane	9.67	107	135653	50.788	ug/l	100
64) Tetrachloroethene	9.34	164	147353	60.958	ug/l	98
65) Chlorobenzene	10.13	112	330187	49.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120017	50.725	ug/l	100
67) Ethyl Benzene	10.25	91	608942	49.598	ug/l	100
68) m/p-Xylenes	10.36	106	443669	99.433	ug/l	100
69) o-Xylene	10.69	106	213306	49.131	ug/l	97
70) Stvrene	10.71	104	371793	49.417	ug/l	99
71) Bromoform	10.85	173	95914	50.883	ug/l #	100
73) Isopropylbenzene	11.02	105	570306	52.086	ug/l	100
74) N-amyl acetate	10.90	43	324369	51.595	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	204473	51.110	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	245354	69.560	ug/l	80
77) Bromobenzene	11.26	156	139416	50.466	ug/l	99
78) n-propylbenzene	11.36	91	656203	52.215	ug/l	99
79) 2-Chlorotoluene	11.42	91	390456	51.559	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	478518	52.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71708	52.193	ug/l	98
82) 4-Chlorotoluene	11.51	91	451436	51.328	ug/l	99
83) tert-Butylbenzene	11.77	119	459113	52.045	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	484081	51.758	ug/l	99
85) sec-Butylbenzene	11.94	105	547089	52.000	ug/l	100
86) p-Isopropyltoluene	12.06	119	495841	51.261	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	242656	50.186	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	239222	48.807	ug/l	100
89) n-Butylbenzene	12.38	91	458095	50.852	ug/l	100
90) Hexachloroethane	12.60	117	85745	53.739	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	237012	49.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45004	49.407	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	166958	48.442	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
Data File : VX008970.D
Acq On : 15 Apr 2019 19:05
Operator : JC/SP
Sample : K2385-09MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Quant Time: Apr 16 03:25:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 02:27:32 2019
Response via : Initial Calibration

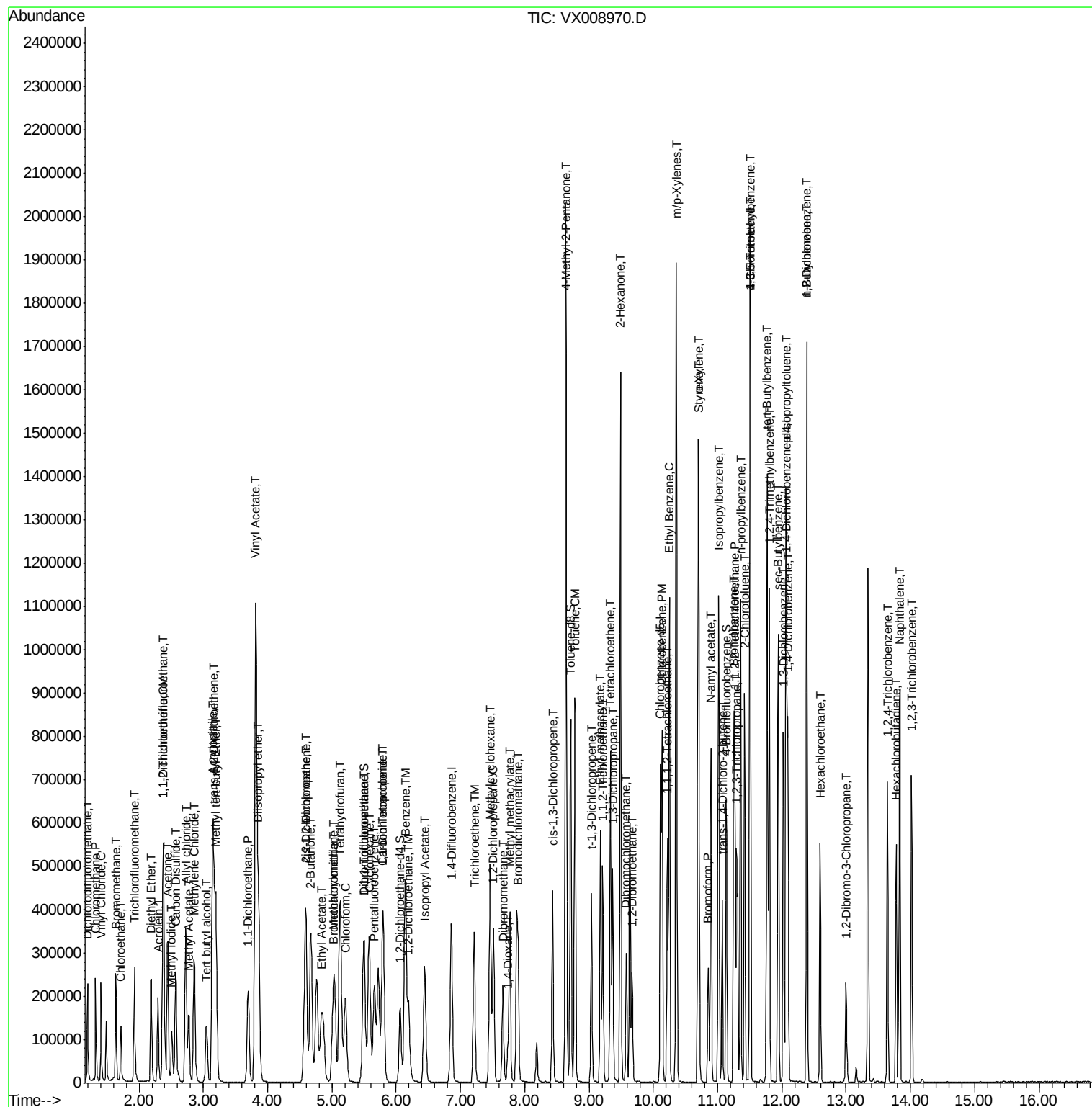
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	82965	48.264	ug/l	99
95) Naphthalene	13.83	128	547662	49.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	166294	48.901	ug/l	100

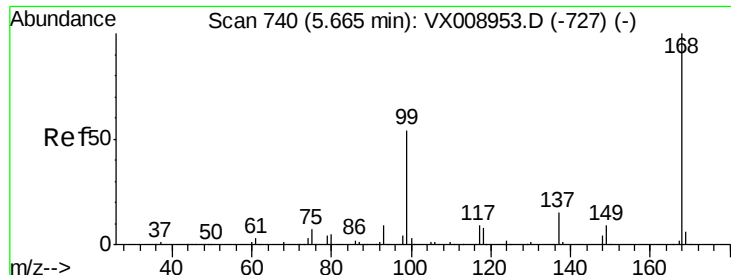
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041519\
 Data File : VX008970.D
 Acq On : 15 Apr 2019 19:05
 Operator : JC/SP
 Sample : K2385-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Quant Time: Apr 16 03:25:32 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

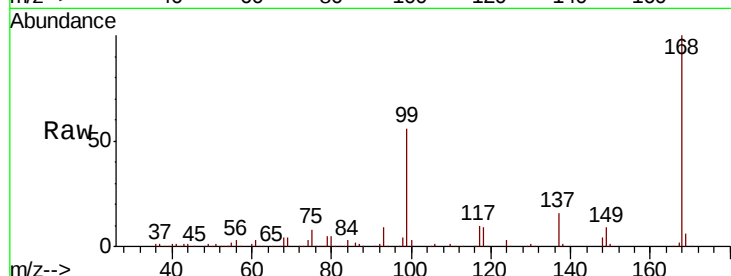
M-16-190410MS

Tot Ion:168 Resp: 217326

Ion Ratio Lower Upper

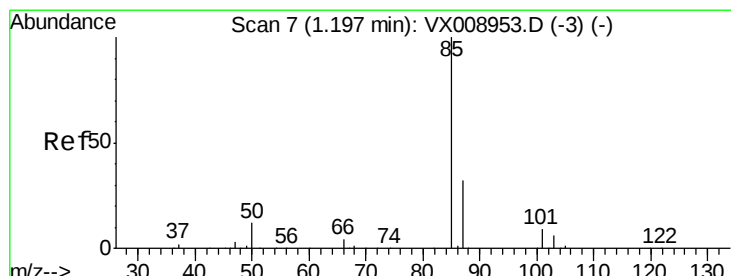
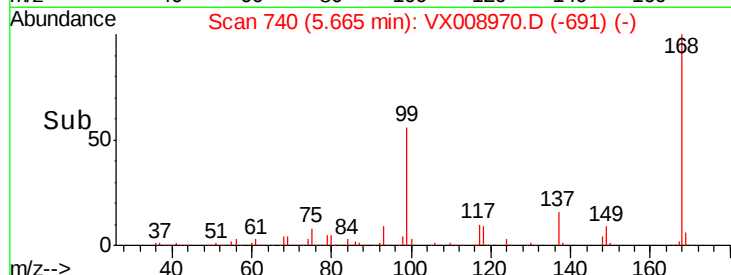
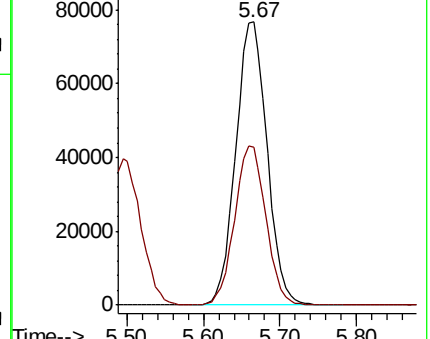
168 100

99 55.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.695 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008970.D

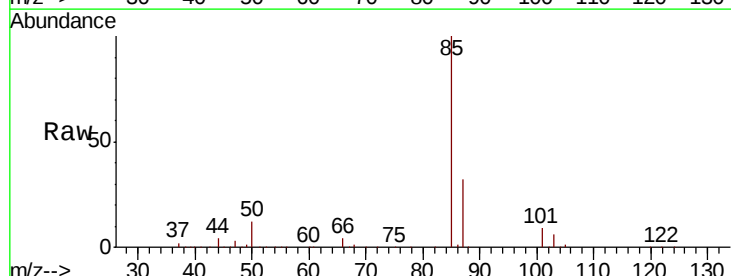
Acq: 15 Apr 2019 19:05

Tgt Ion: 85 Resp: 134408

Ion Ratio Lower Upper

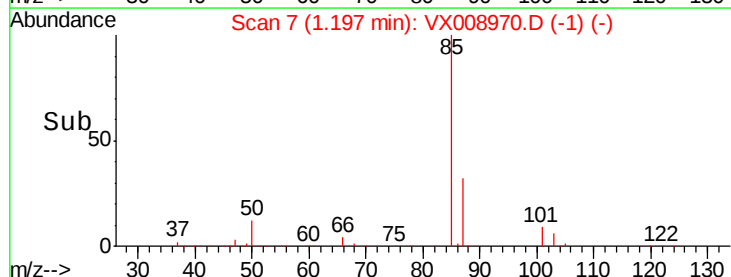
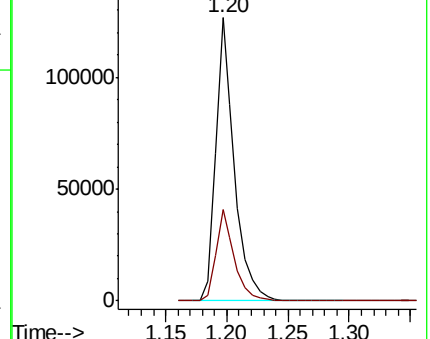
85 100

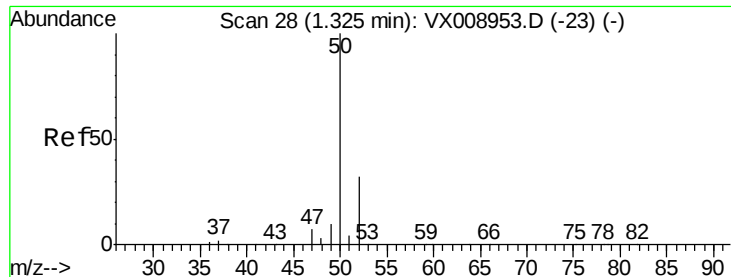
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.430 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

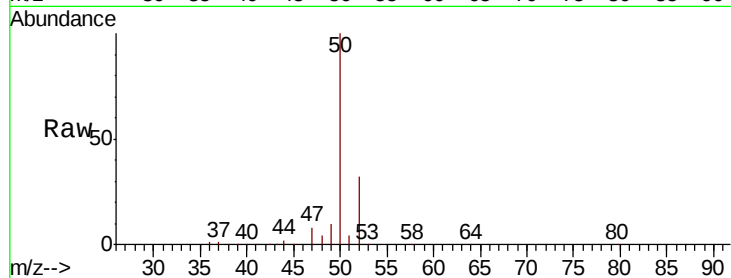
M-16-190410MS

Tot Ion: 50 Resp: 158049

Ion Ratio Lower Upper

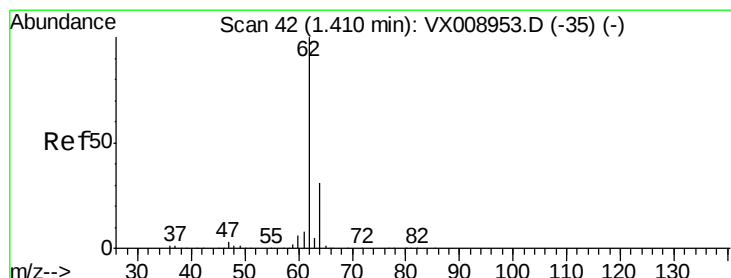
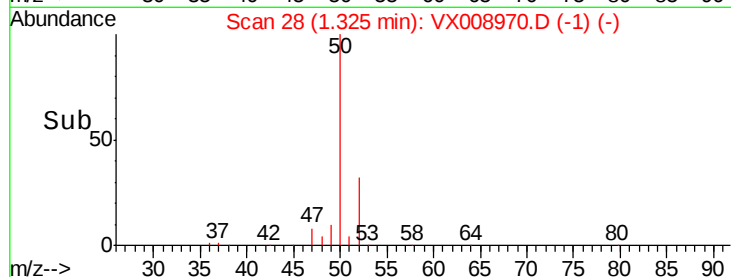
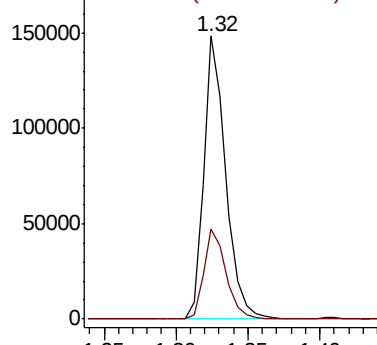
50 100

52 31.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.617 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008970.D

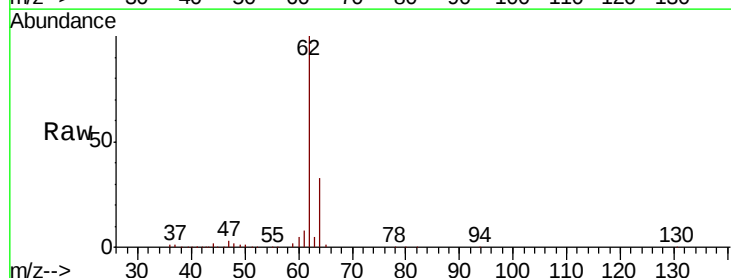
Acq: 15 Apr 2019 19:05

Tgt Ion: 62 Resp: 154389

Ion Ratio Lower Upper

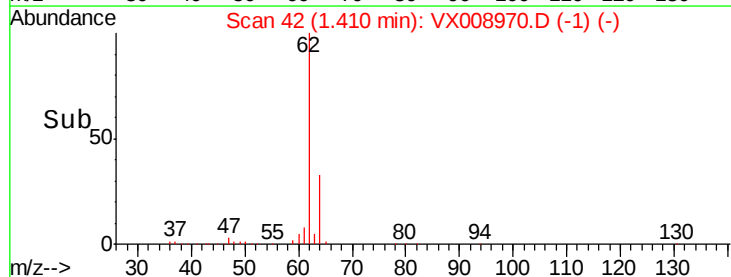
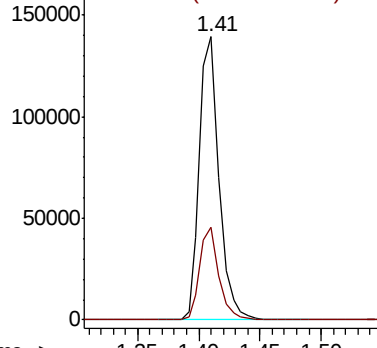
62 100

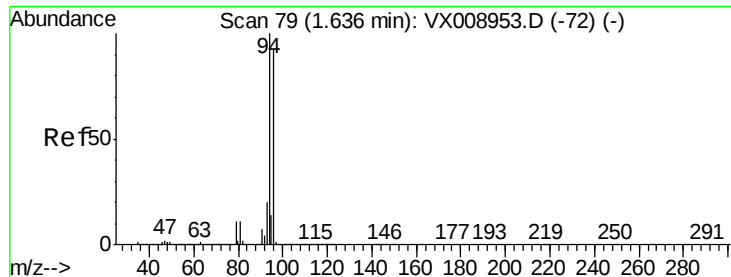
64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.178 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

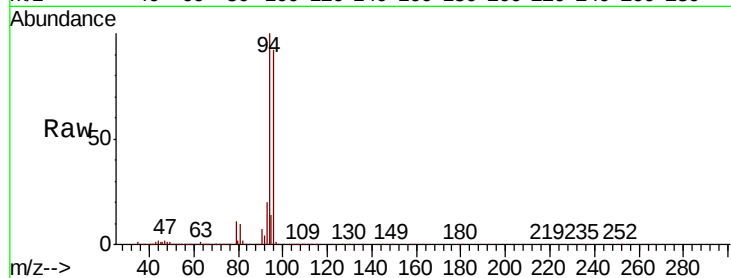
M-16-190410MS

Tot Ion: 94 Resp: 85894

Ion Ratio Lower Upper

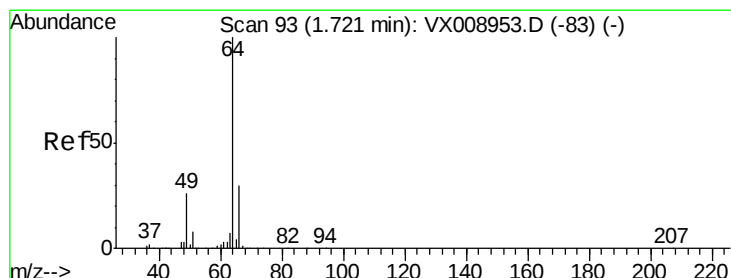
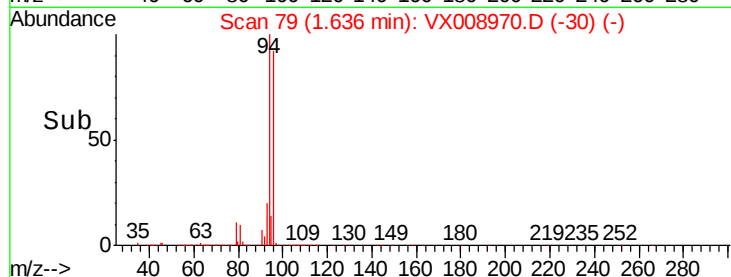
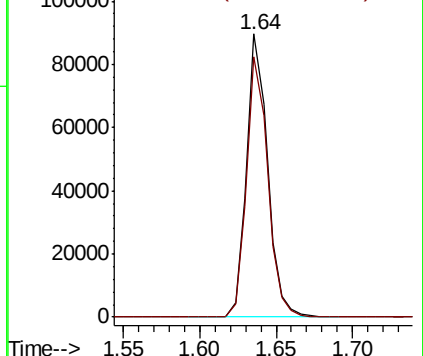
94 100

96 91.8 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.989 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008970.D

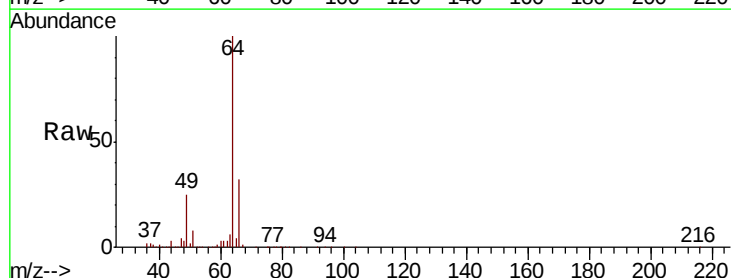
Acq: 15 Apr 2019 19:05

Tgt Ion: 64 Resp: 91440

Ion Ratio Lower Upper

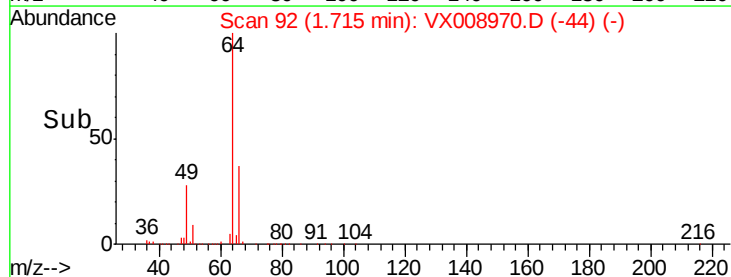
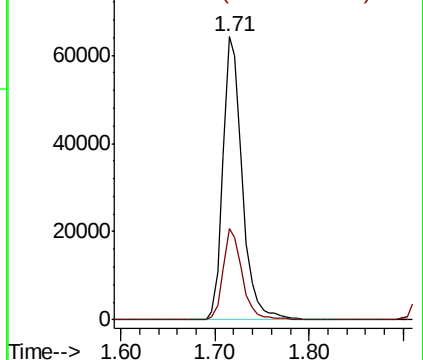
64 100

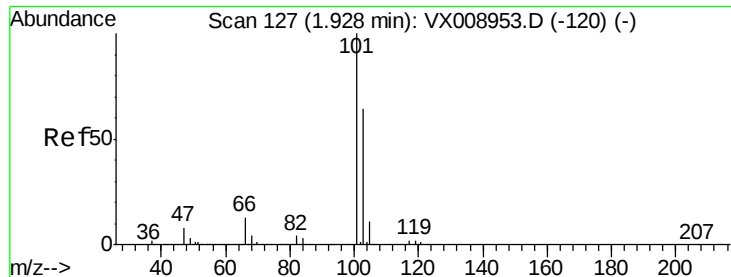
66 32.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



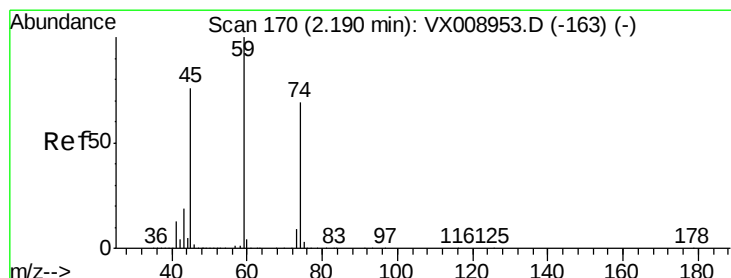
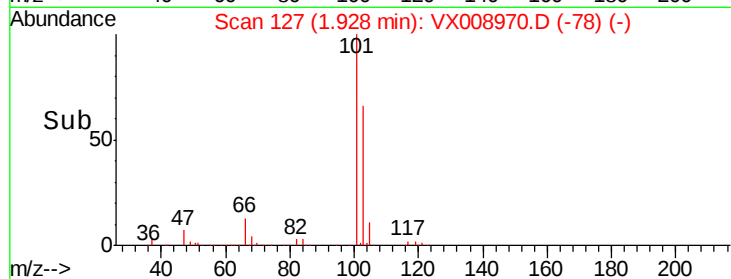
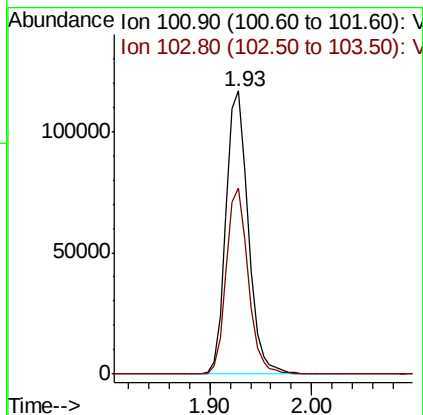
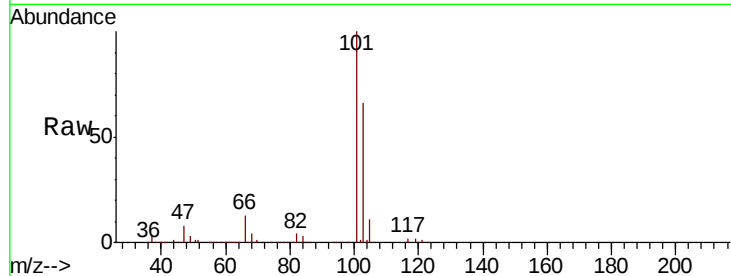


#7

Trichlorofluoromethane
 Concen: 50.452 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

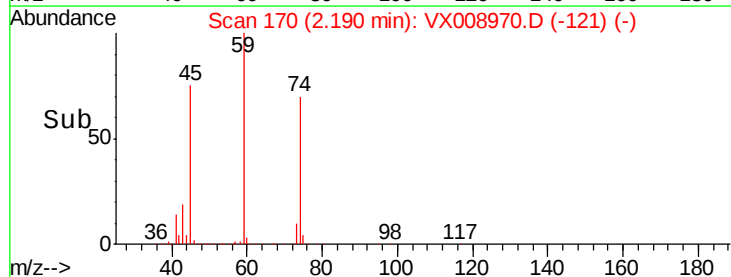
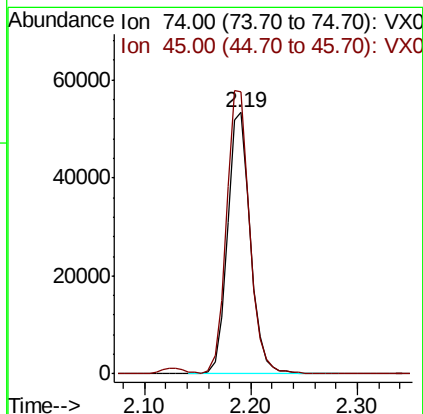
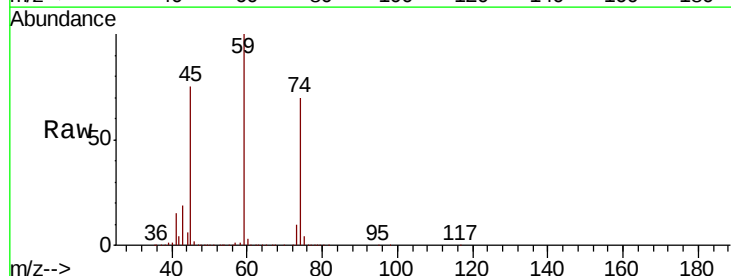
Tot Ion:101 Resp: 176189
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

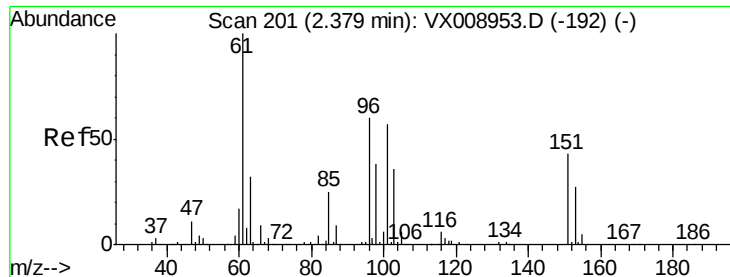


#8

Diethyl Ether
 Concen: 50.251 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 74 Resp: 80255
 Ion Ratio Lower Upper
 74 100
 45 109.7 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.420 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

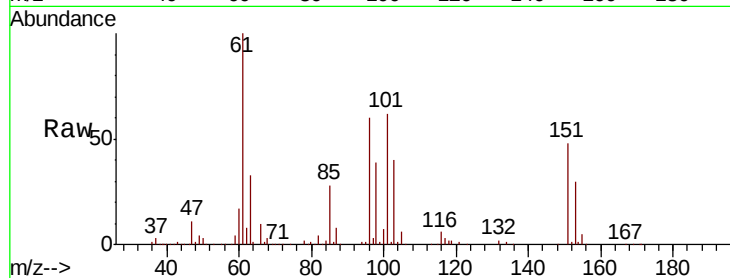
Tot Ion:101 Resp: 110346

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

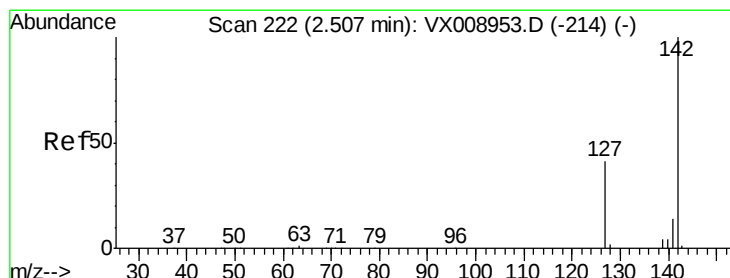
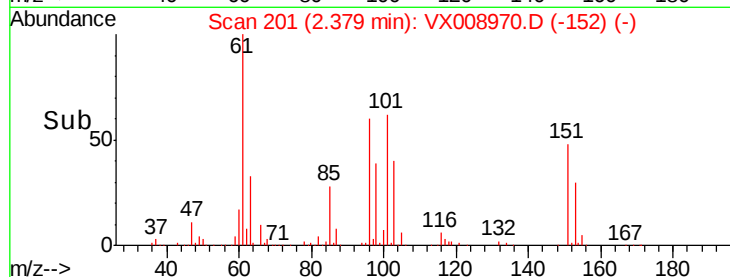
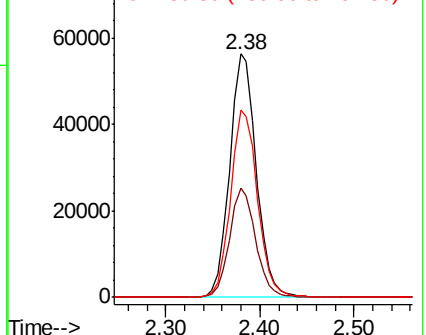
151 77.9 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.139 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

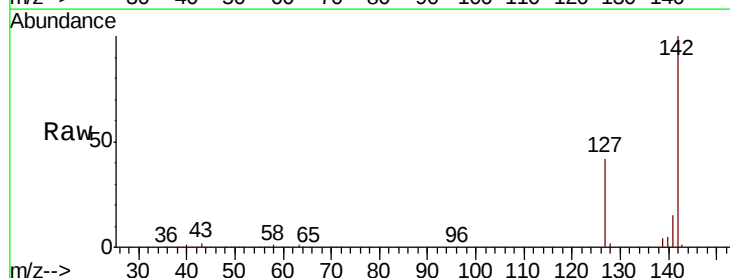
Tgt Ion:142 Resp: 125113

Ion Ratio Lower Upper

142 100

127 42.1 32.8 49.2

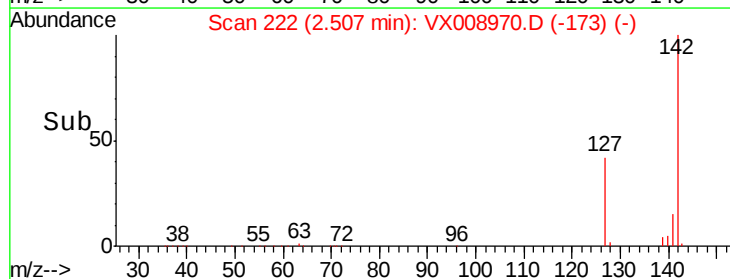
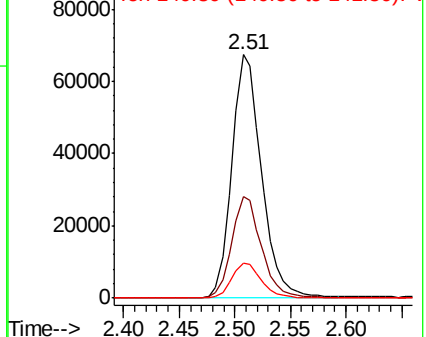
141 14.6 11.4 17.2

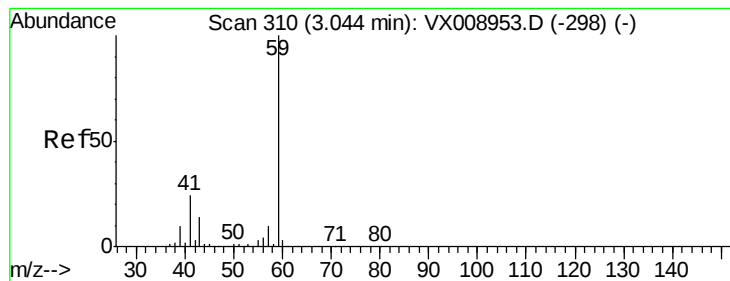


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



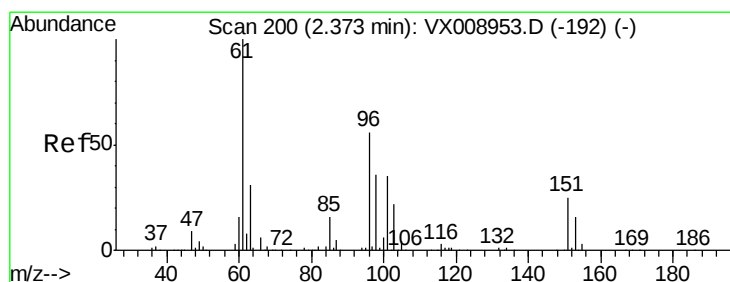
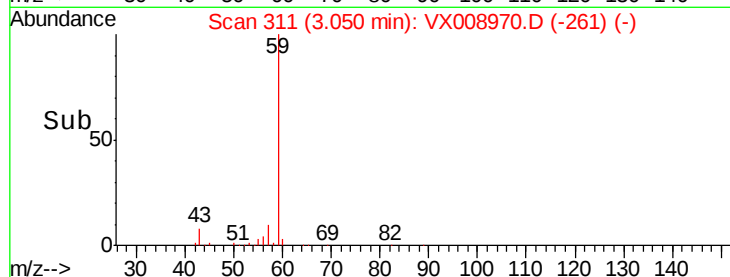
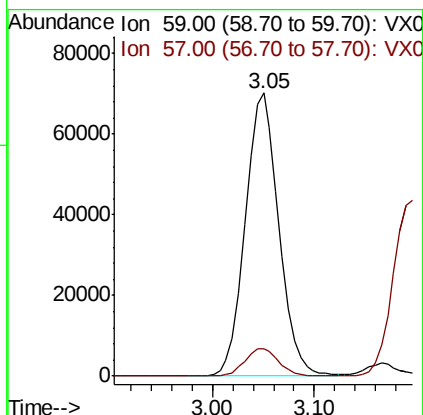
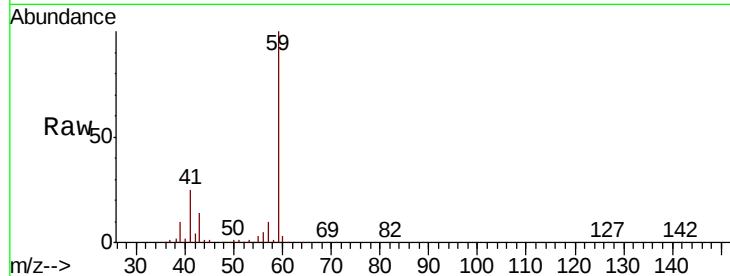


#11

Tert butyl alcohol
 Concen: 236.109 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

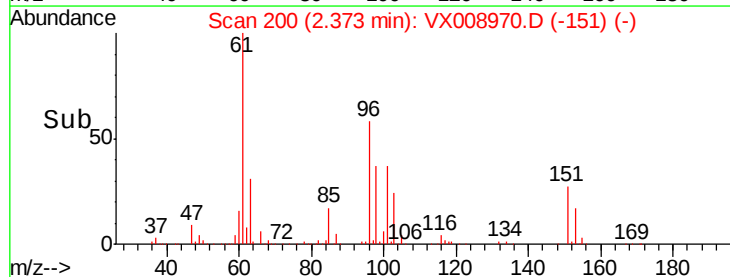
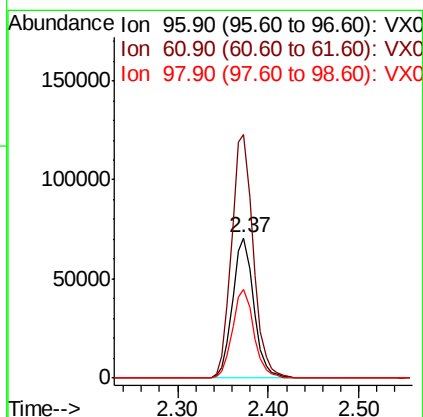
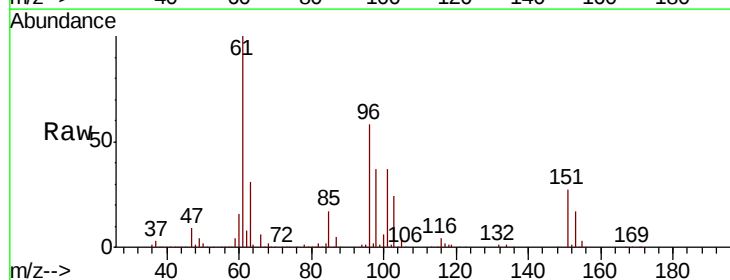
Tot Ion: 59 Resp: 160518
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

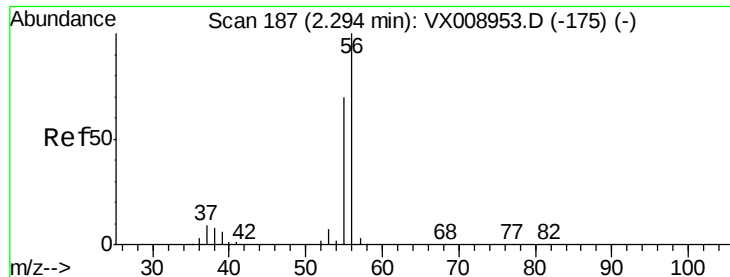


#12

1,1-Dichloroethene
 Concen: 49.413 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 96 Resp: 115161
 Ion Ratio Lower Upper
 96 100
 61 173.7 142.2 213.2
 98 63.5 50.9 76.3





#13

Acrolein

Concen: 245.391 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

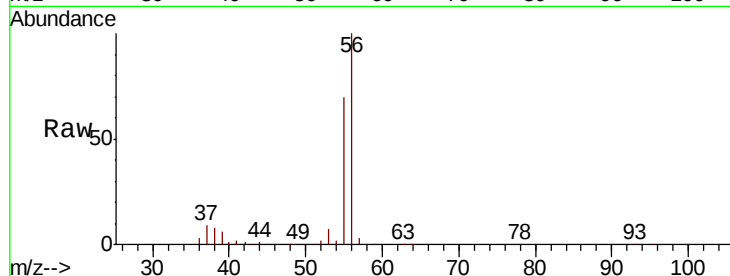
M-16-190410MS

Tot Ion: 56 Resp: 144146

Ion Ratio Lower Upper

56 100

55 70.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

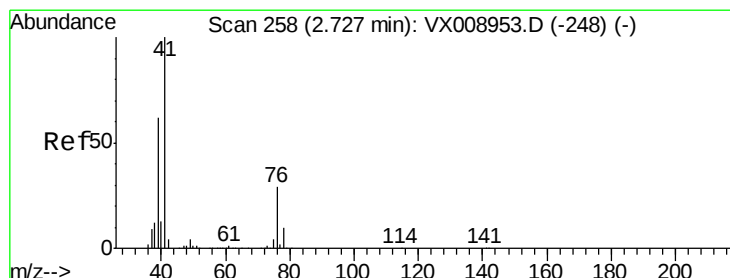
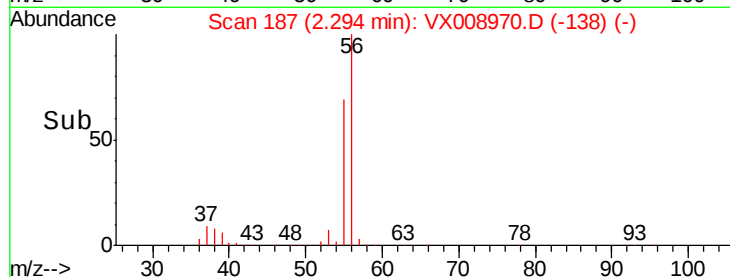
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.427 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

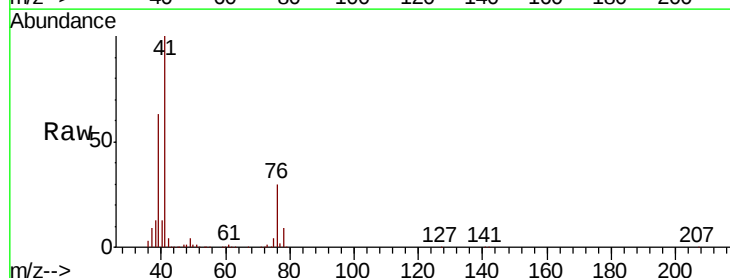
Tgt Ion: 41 Resp: 261486

Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

76 27.4 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

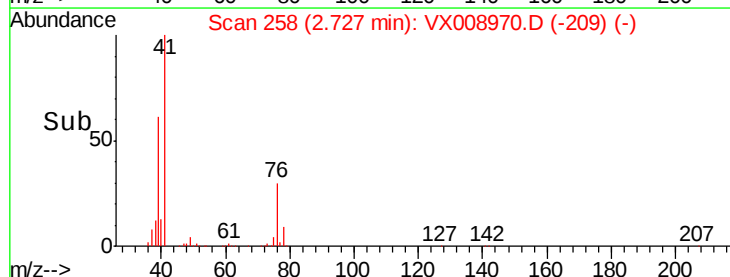
150000

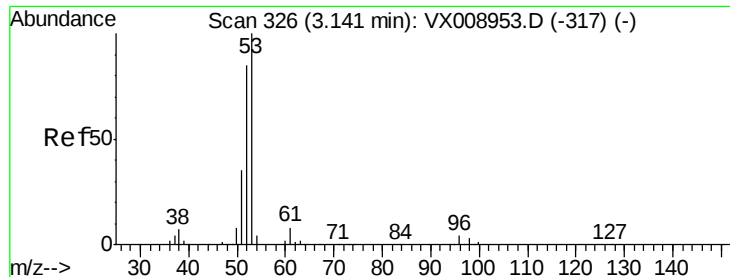
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 253.416 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

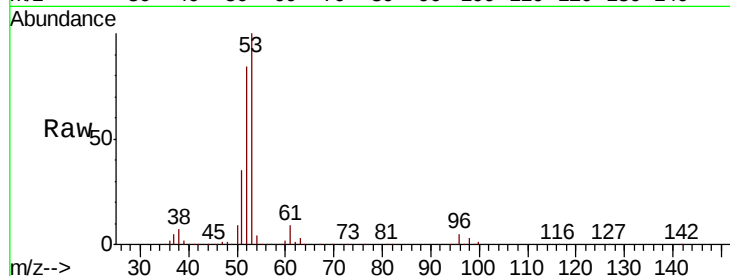
Tot Ion: 53 Resp: 437339

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

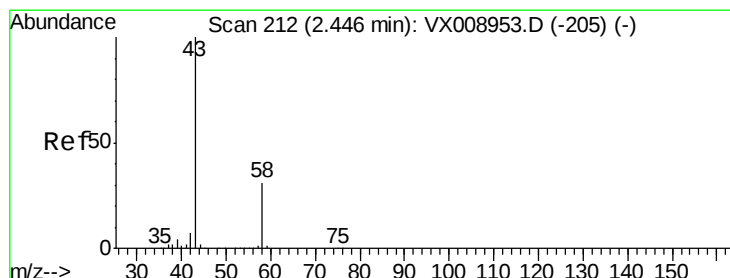
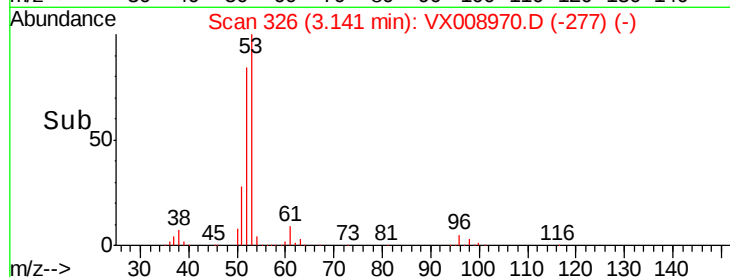
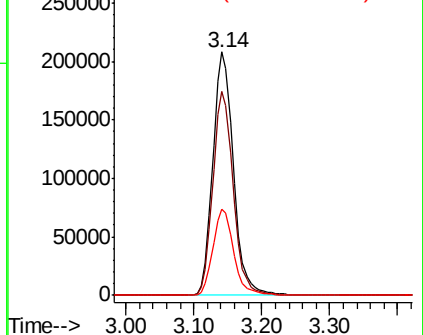
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 227.824 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008970.D

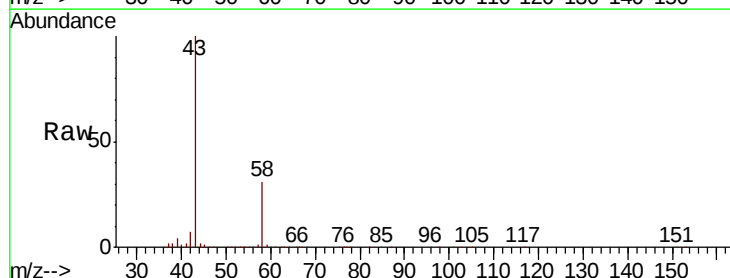
Acq: 15 Apr 2019 19:05

Tgt Ion: 43 Resp: 361846

Ion Ratio Lower Upper

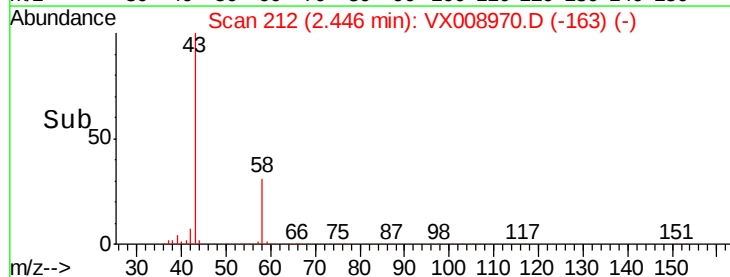
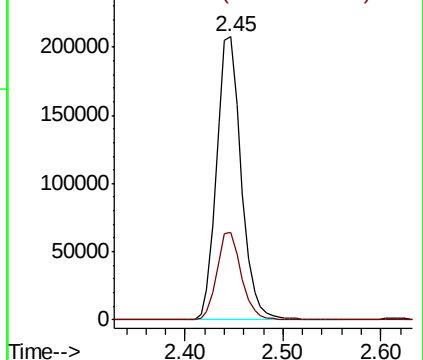
43 100

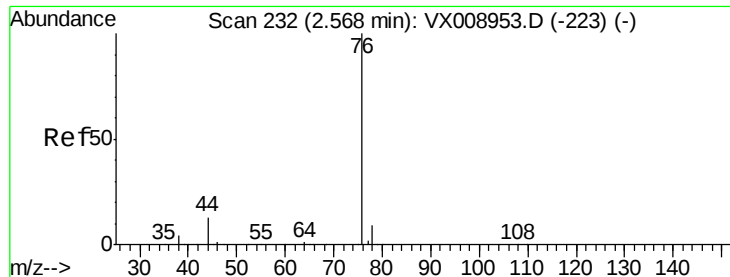
58 30.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

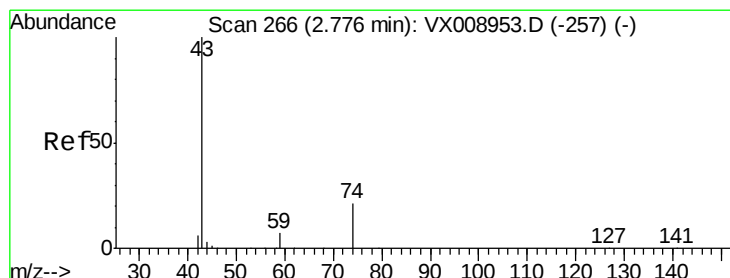
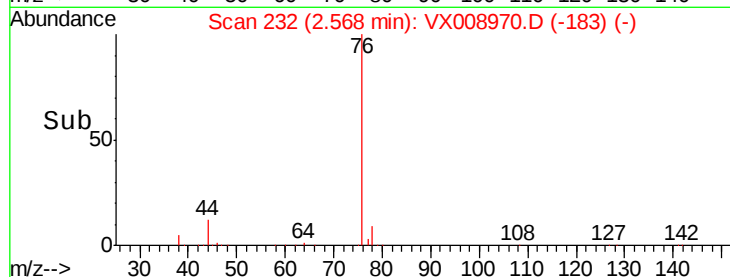
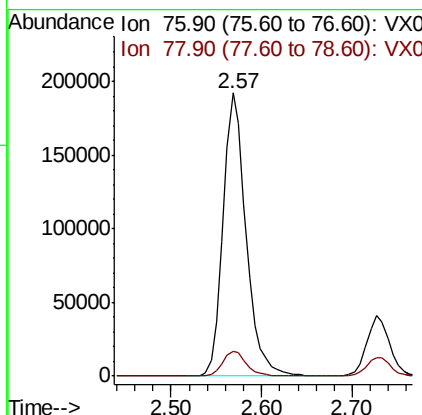
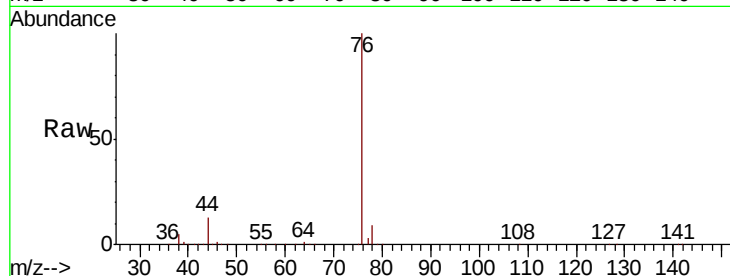




#17
Carbon Disulfide
Concen: 49.616 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

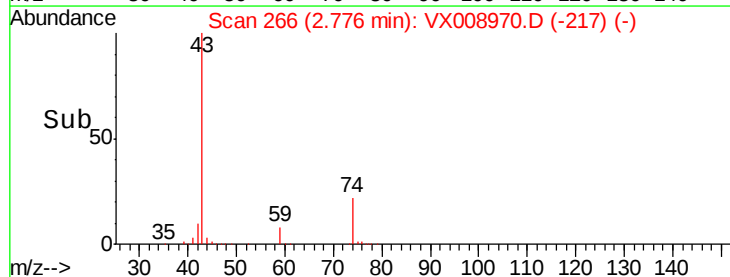
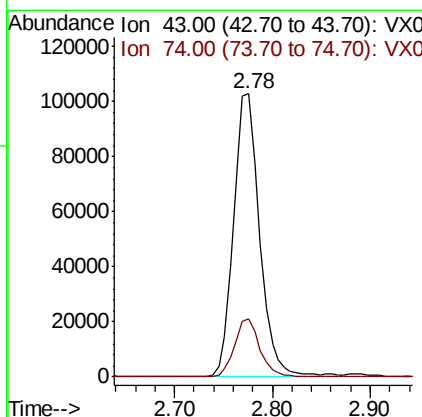
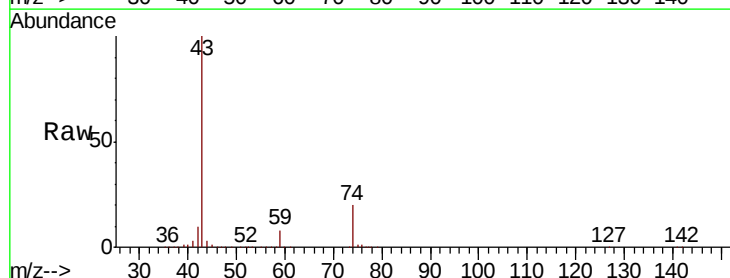
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

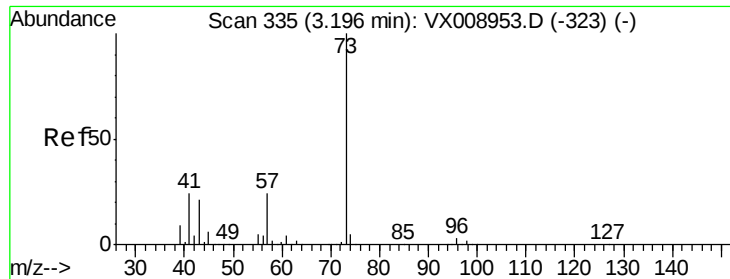
Tot Ion: 76 Resp: 339727
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 47.926 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion: 43 Resp: 189976
Ion Ratio Lower Upper
43 100
74 20.5 16.6 25.0

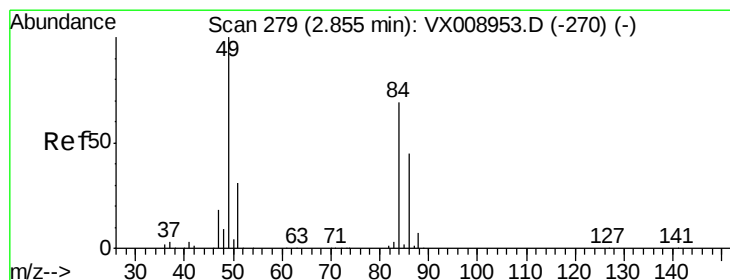
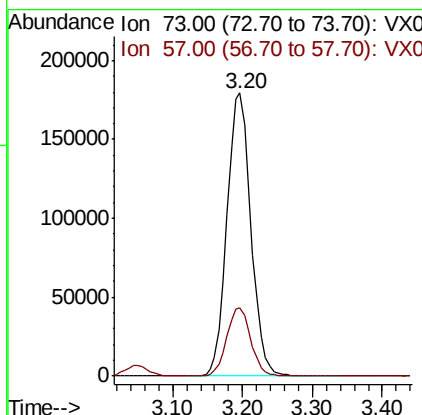
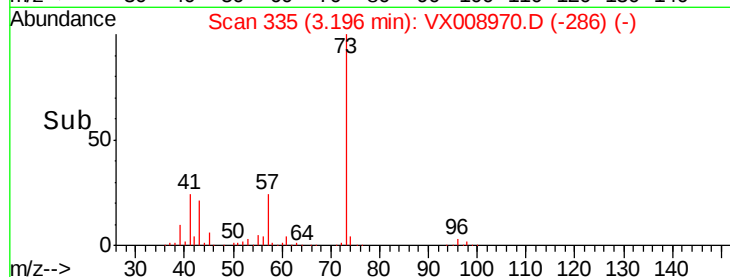
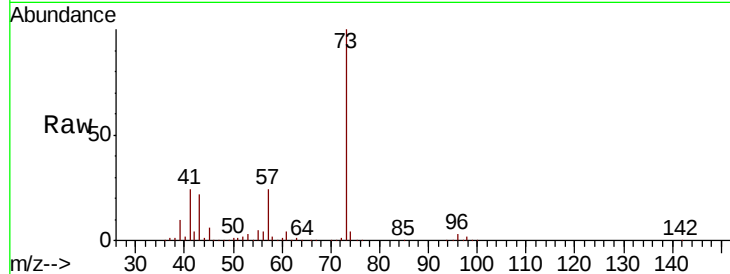




#19
Methyl tert-butyl Ether
Concen: 51.181 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

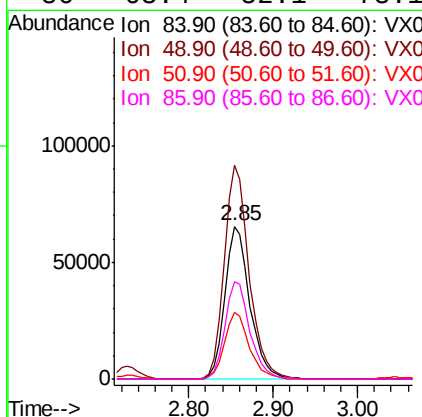
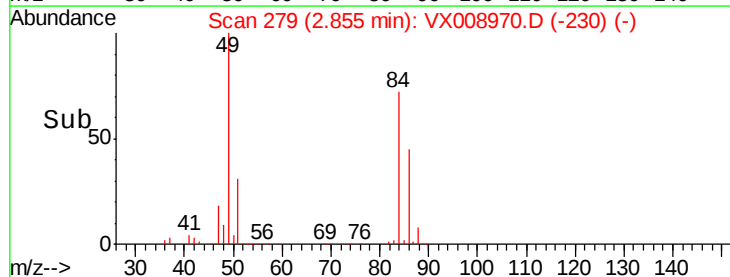
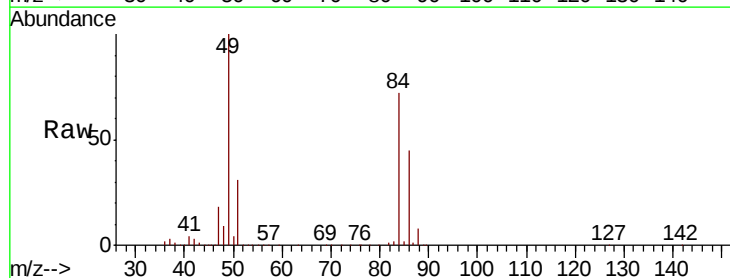
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

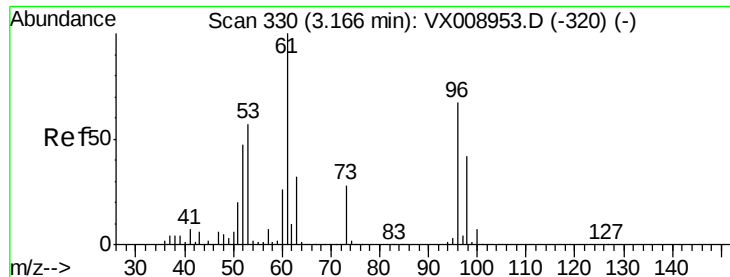
Tot Ion: 73 Resp: 425017
Ion Ratio Lower Upper
73 100
57 24.3 19.2 28.8



#20
Methylene Chloride
Concen: 48.779 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion: 84 Resp: 132491
Ion Ratio Lower Upper
84 100
49 139.6 115.4 173.0
51 43.5 35.8 53.6
86 63.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.307 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

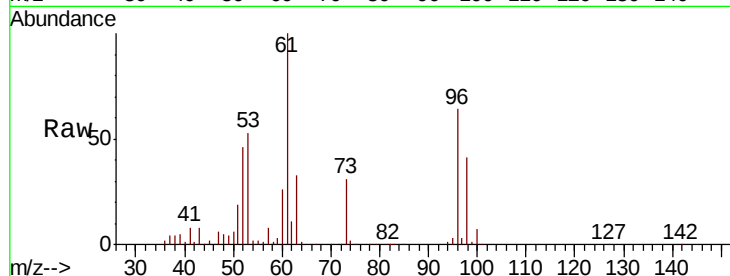
Tot Ion: 96 Resp: 122568

Ion Ratio Lower Upper

96 100

61 156.9 120.3 180.5

98 64.4 50.2 75.2

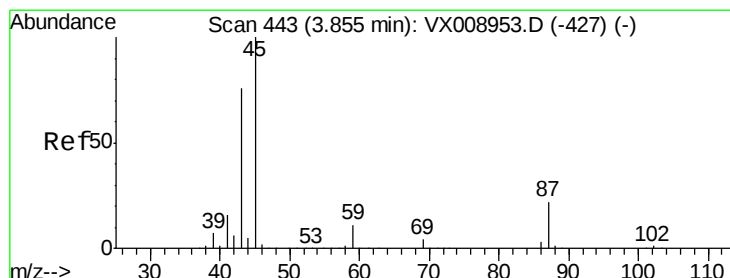
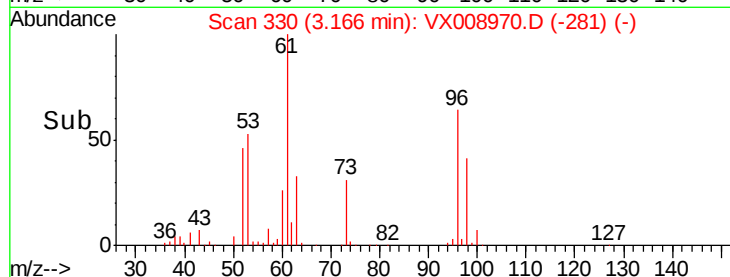
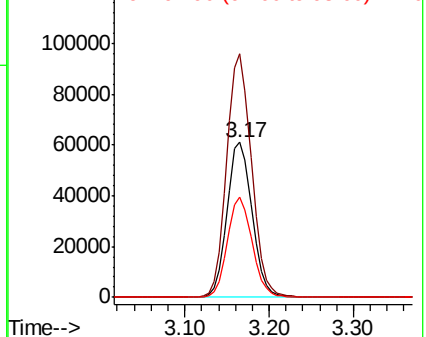


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.815 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion: 45 Resp: 511943

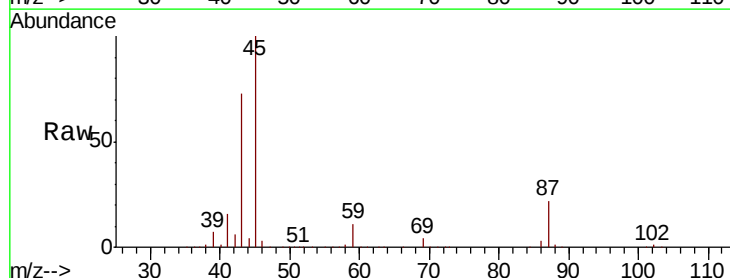
Ion Ratio Lower Upper

45 100

43 72.6 60.6 91.0

87 22.3 17.8 26.8

59 11.0 8.7 13.1



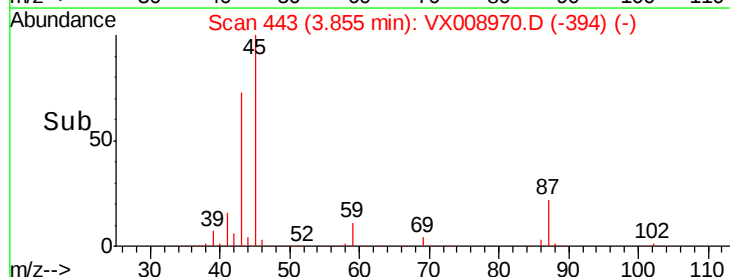
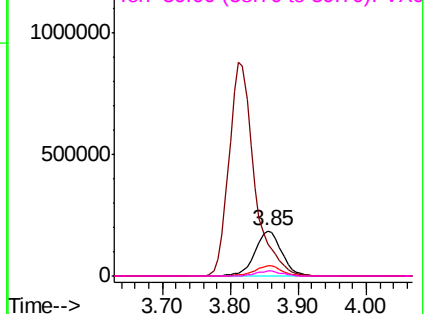
Abundance

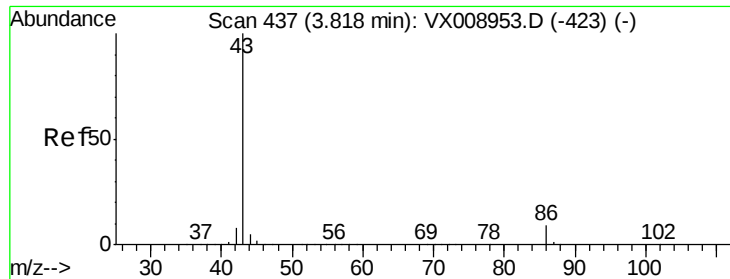
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.889 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

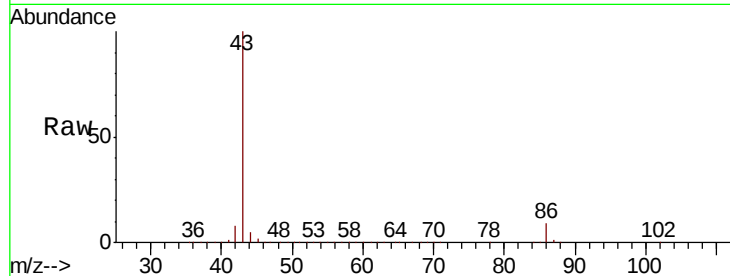
M-16-190410MS

Tot Ion: 43 Resp: 2274541

Ion Ratio Lower Upper

43 100

86 8.5 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

800000

600000

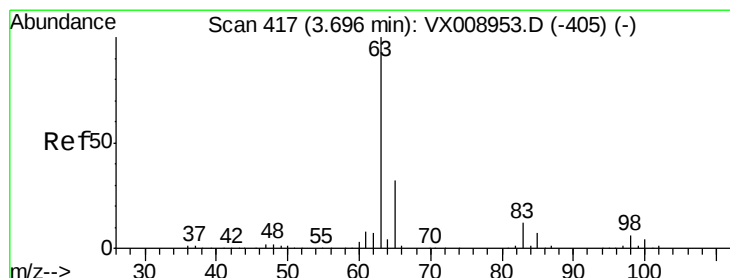
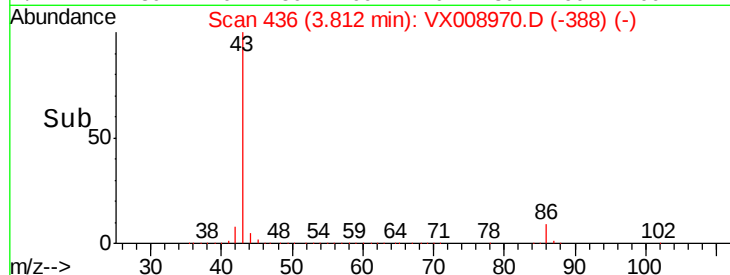
400000

200000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 50.797 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

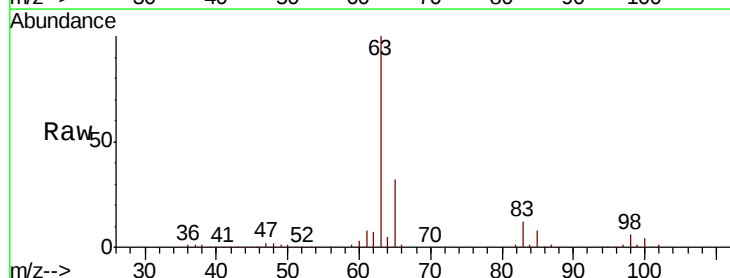
Tgt Ion: 63 Resp: 251941

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

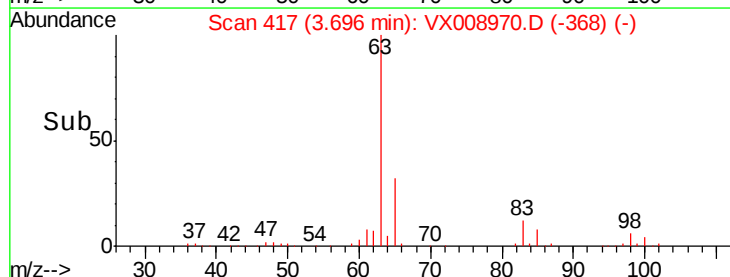
100000

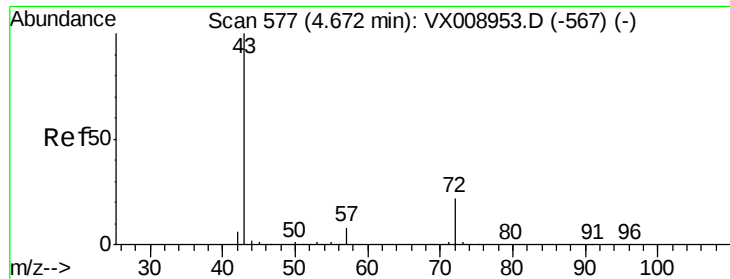
50000

0

Time-->

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 251.378 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

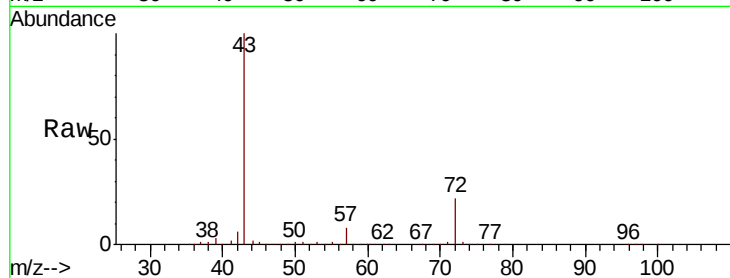
M-16-190410MS

Tot Ion: 43 Resp: 638183

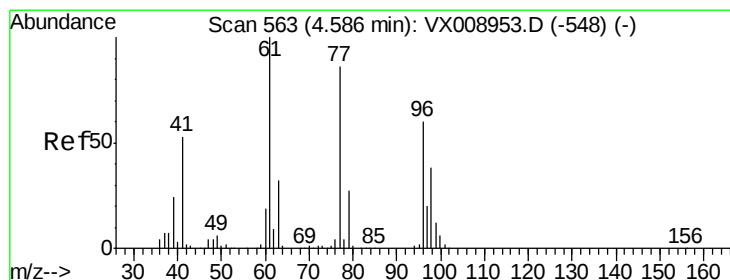
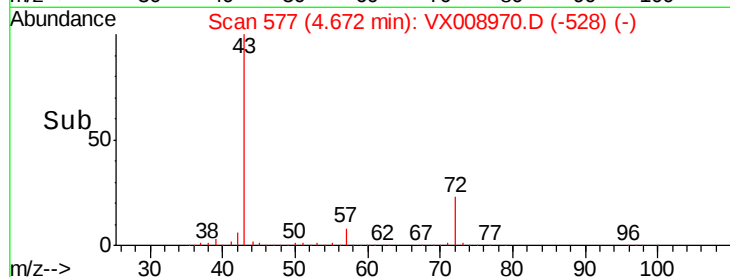
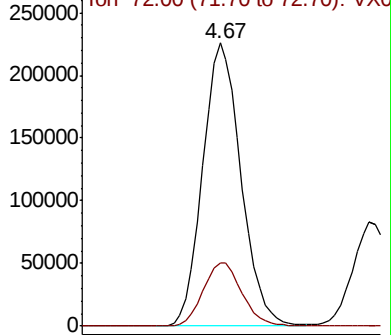
Ion Ratio Lower Upper

43 100

72 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 46.923 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008970.D

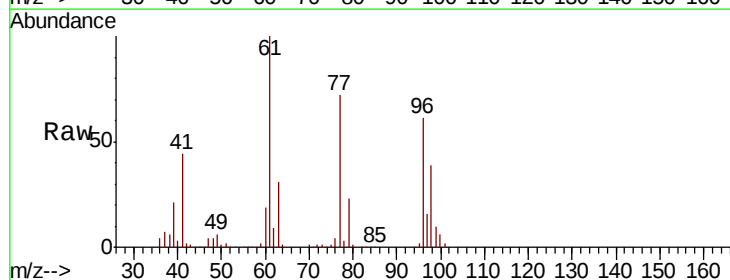
Acq: 15 Apr 2019 19:05

Tgt Ion: 77 Resp: 174448

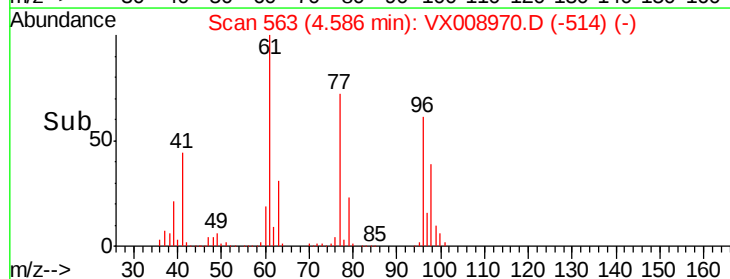
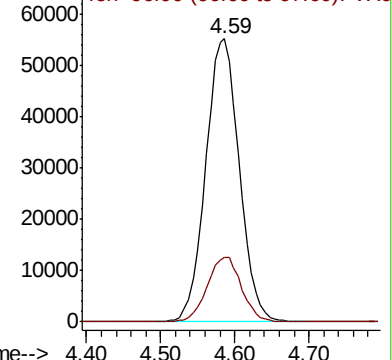
Ion Ratio Lower Upper

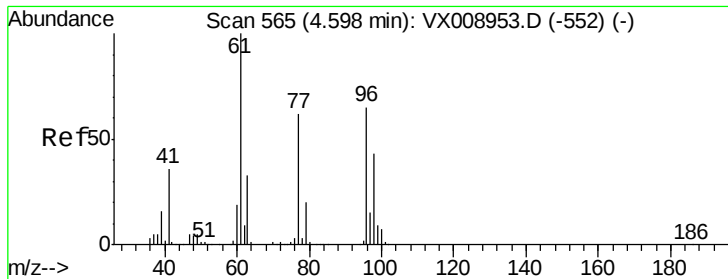
77 100

97 23.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0



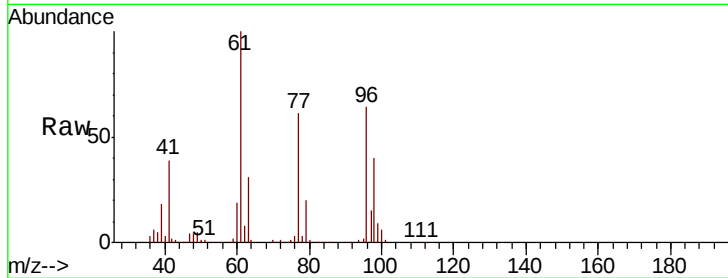


#27

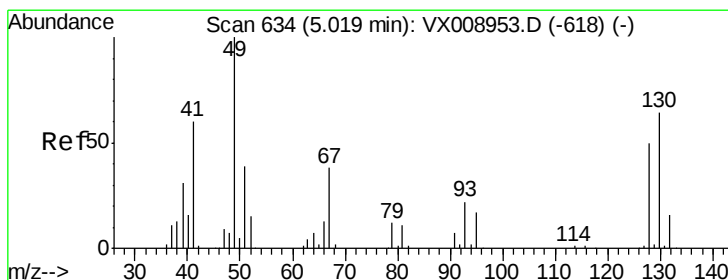
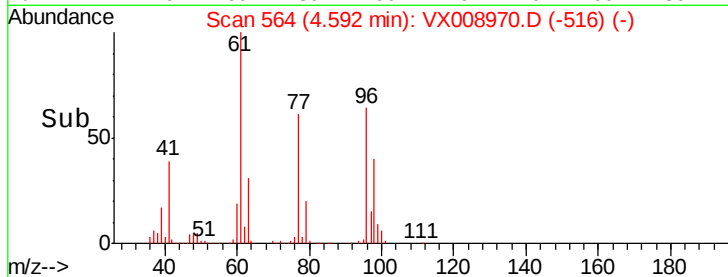
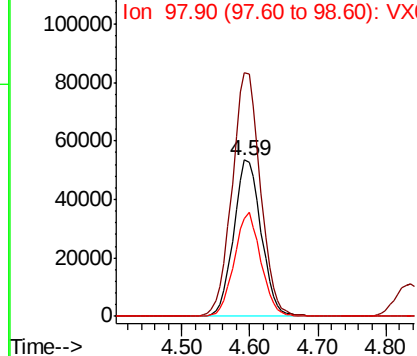
cis-1,2-Dichloroethene
Concen: 53.229 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	96	Resp	150229
Ion Ratio	Lower	Upper	
96	100		
61	160.1	0.0	322.0
98	64.2	0.0	128.4



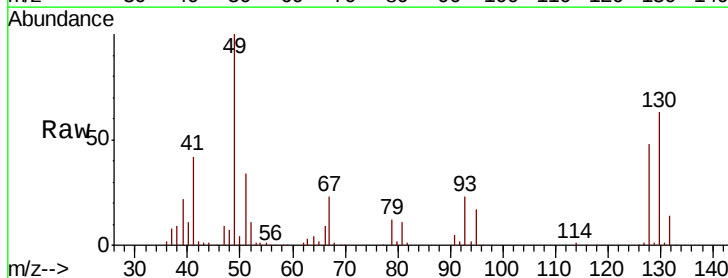
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



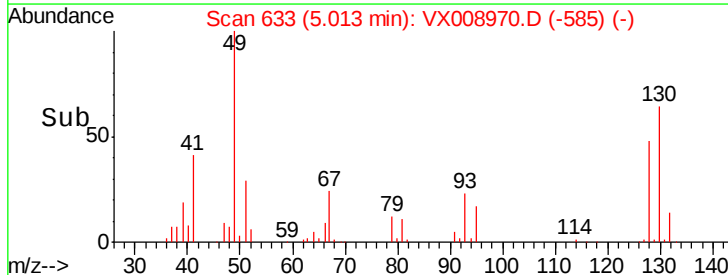
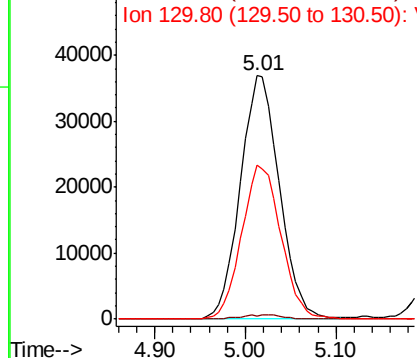
#28

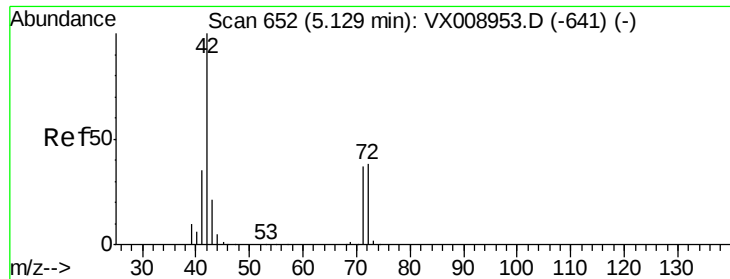
Bromochloromethane
Concen: 53.675 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	49	Resp	110282
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	63.5	50.4	75.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

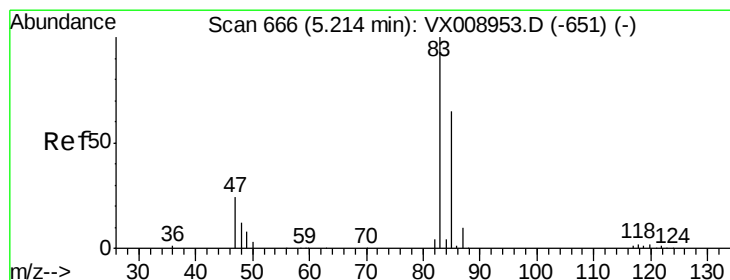
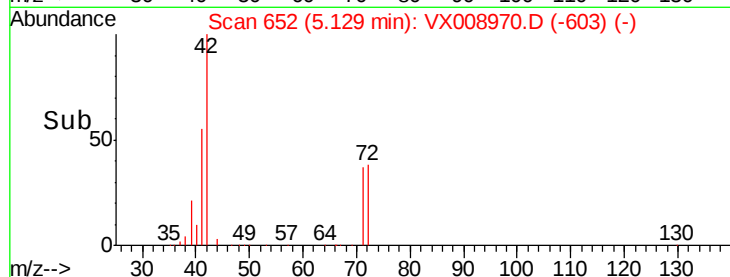
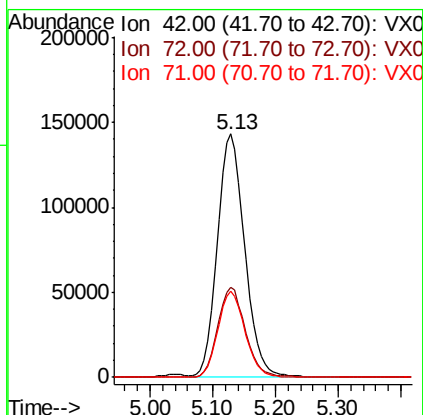
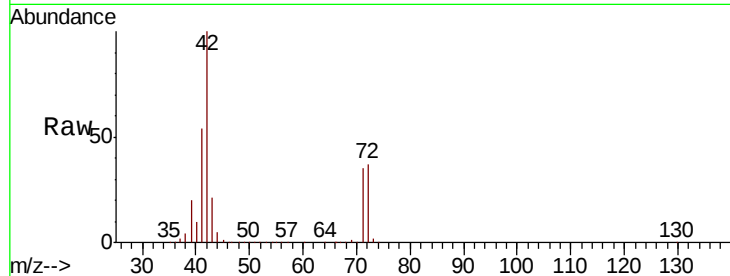




#29
Tetrahydrofuran
Concen: 253.471 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

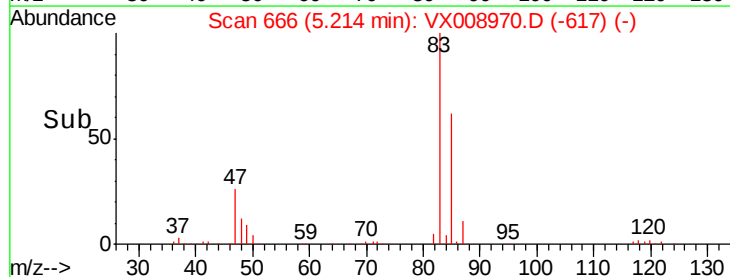
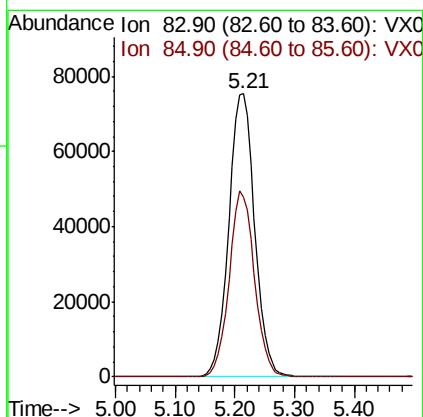
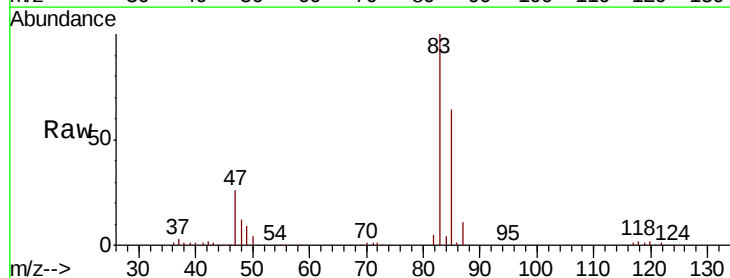
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

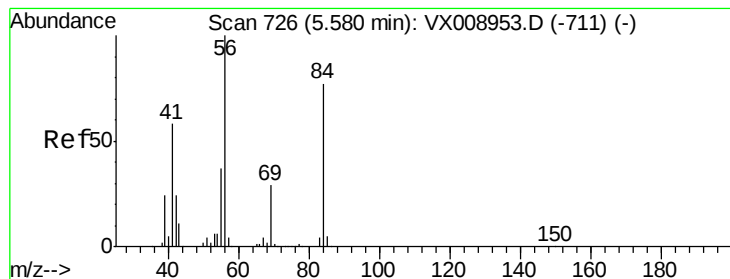
Tot Ion: 42 Resp: 430705
Ion Ratio Lower Upper
42 100
72 37.6 30.6 45.8
71 35.3 28.8 43.2



#30
Chloroform
Concen: 51.344 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion: 83 Resp: 227874
Ion Ratio Lower Upper
83 100
85 63.5 51.9 77.9





#31

Cyclohexane

Concen: 50.729 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

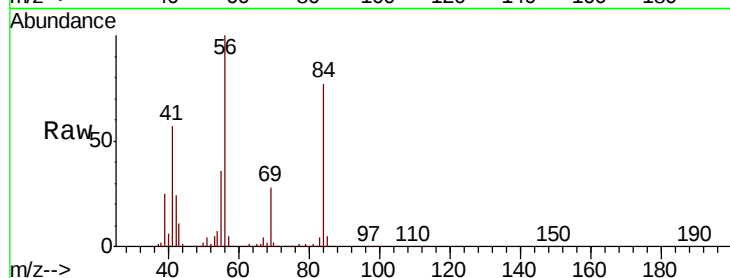
Tot Ion: 56 Resp: 247464

Ion Ratio Lower Upper

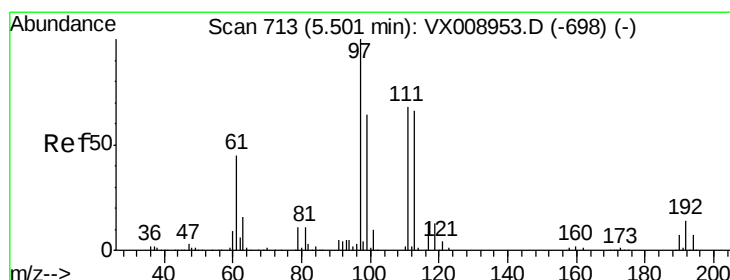
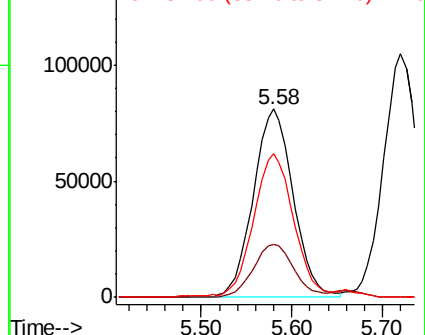
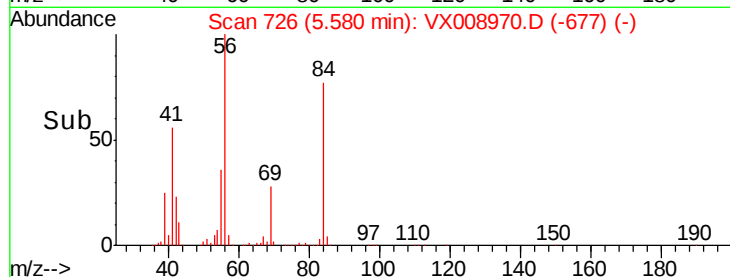
56 100

69 28.1 23.3 34.9

84 75.5 61.7 92.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.615 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

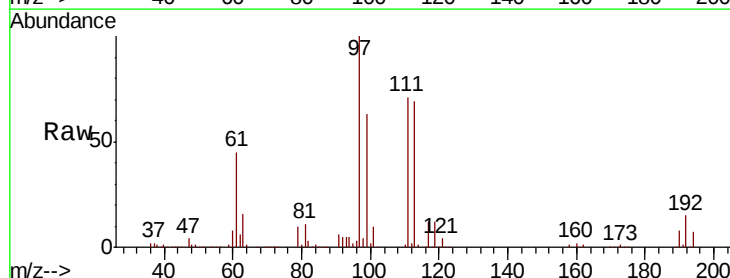
Tgt Ion: 97 Resp: 189863

Ion Ratio Lower Upper

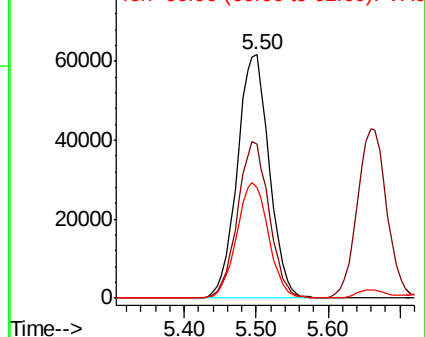
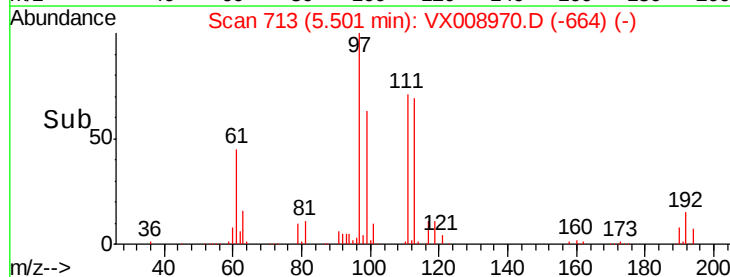
97 100

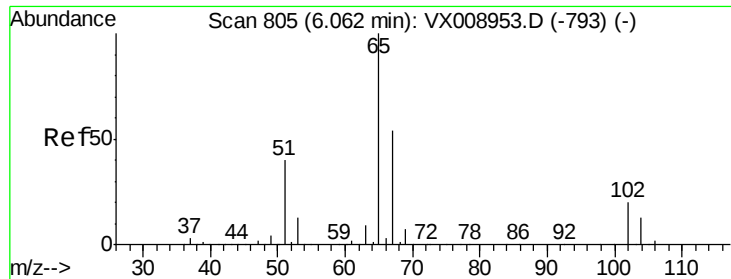
99 63.6 51.6 77.4

61 47.5 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

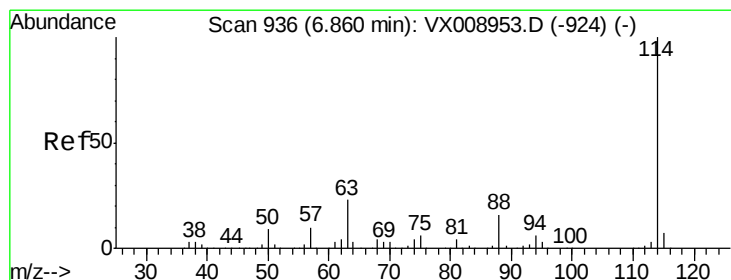
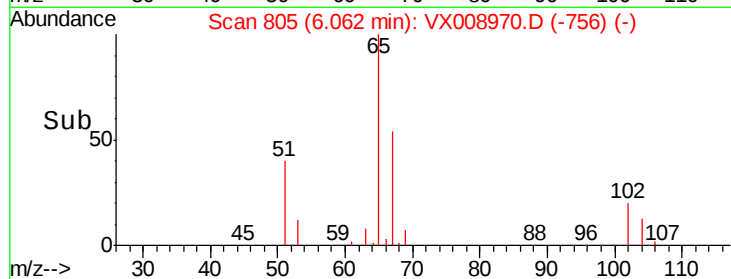
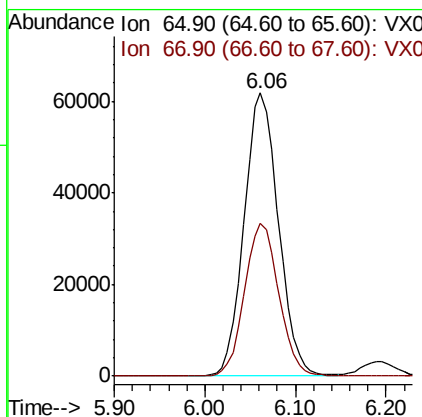
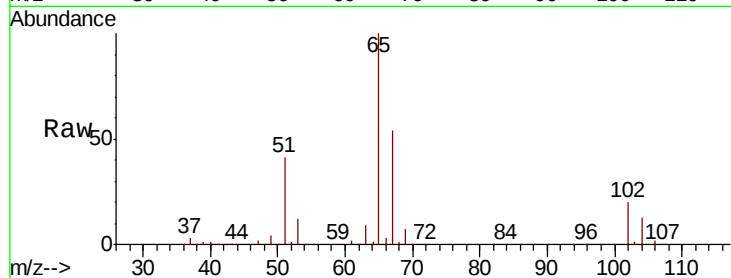




#33
 1,2-Dichloroethane-d4
 Concen: 52.967 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

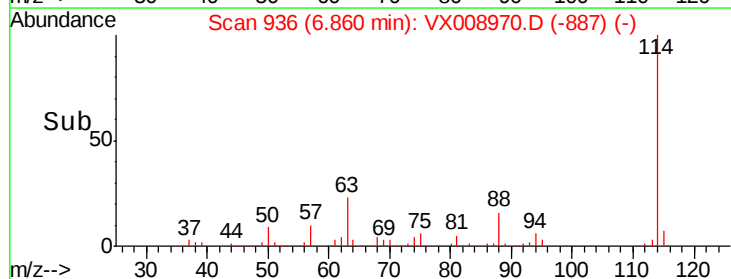
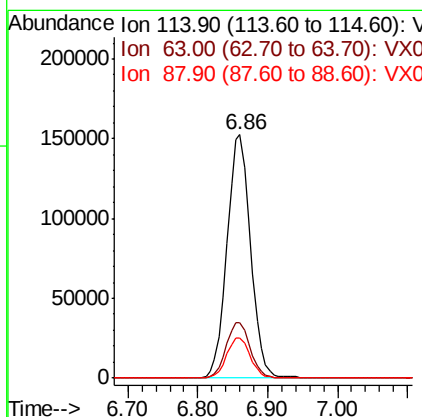
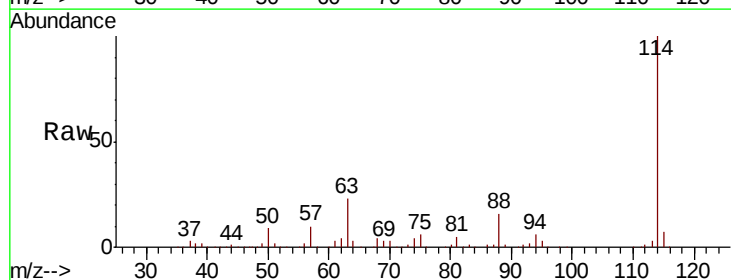
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

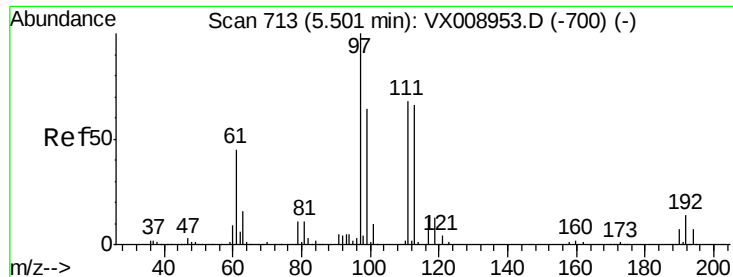
Tot Ion: 65 Resp: 162223
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 114 Resp: 357104
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.0
 88 16.2 0.0 32.6

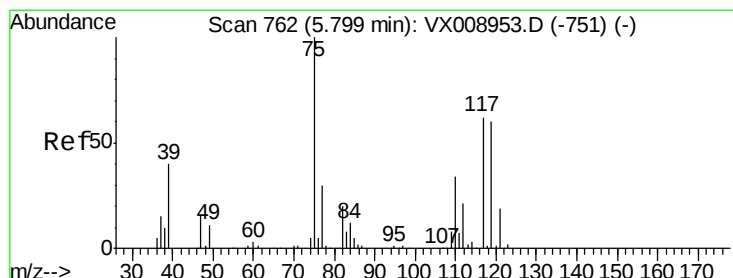
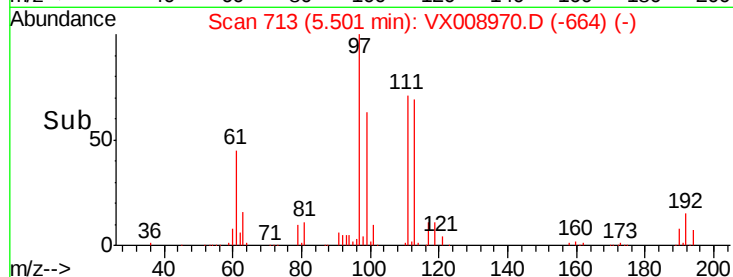
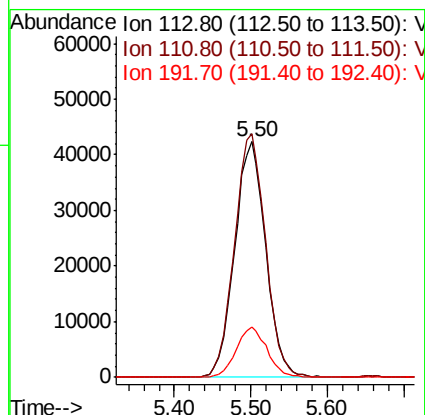
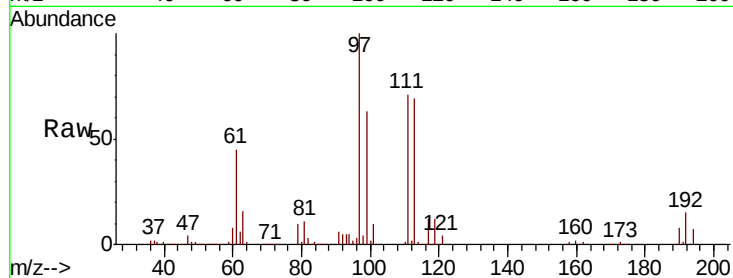




#35
 Dibromofluoromethane
 Concen: 52.013 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

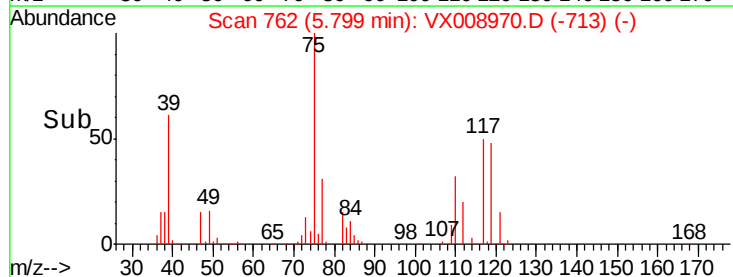
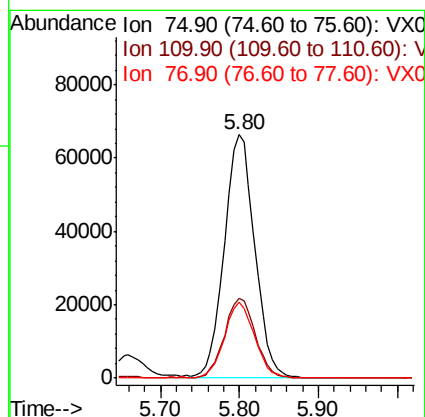
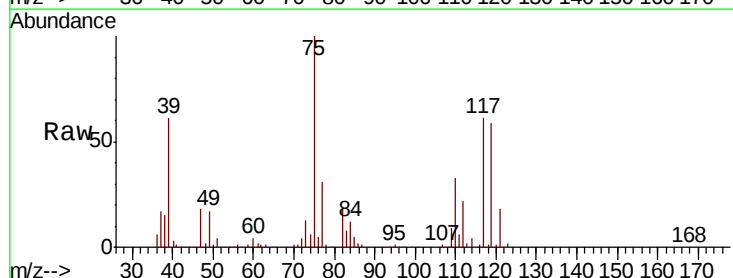
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

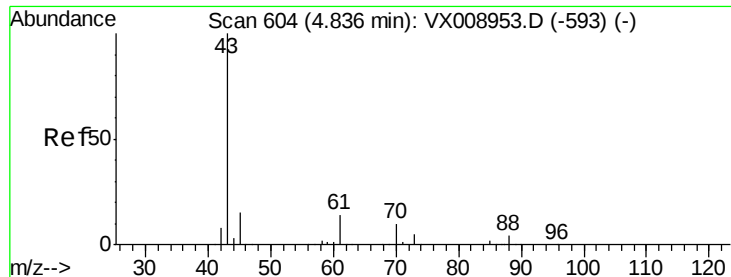
Tot Ion:113 Resp: 119203
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 21.1 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 48.168 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 75 Resp: 177897
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.7
 77 30.4 25.0 37.4





#37

Ethyl Acetate

Concen: 51.214 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

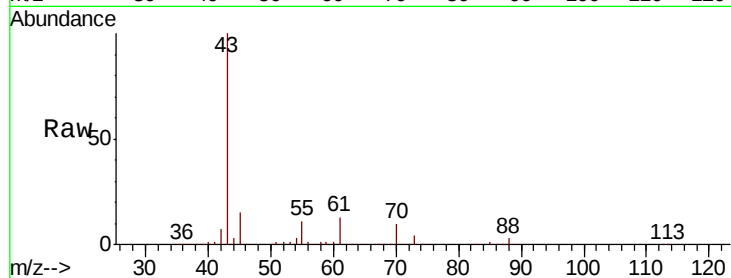
Tot Ion: 43 Resp: 243388

Ion Ratio Lower Upper

43 100

61 12.8 10.6 15.8

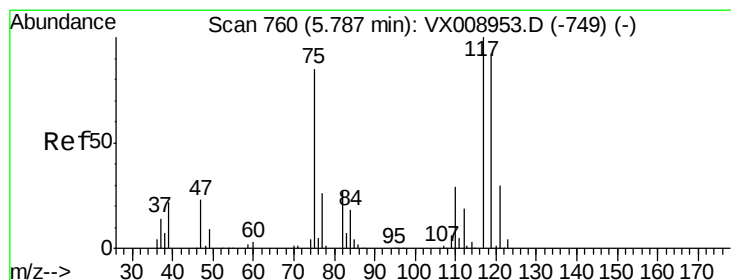
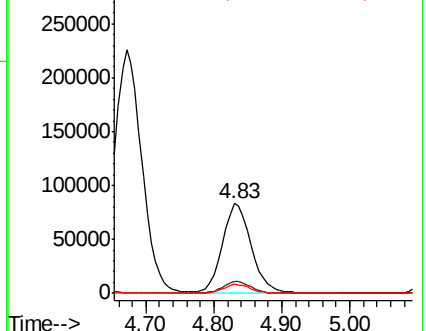
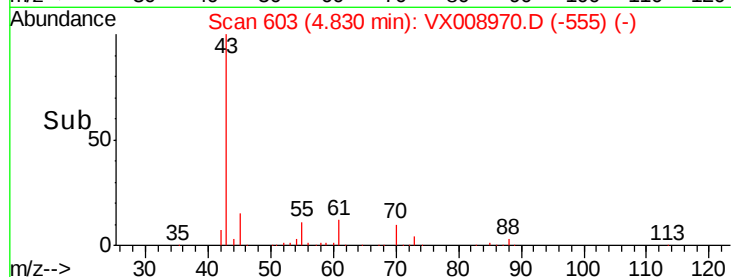
70 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.804 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

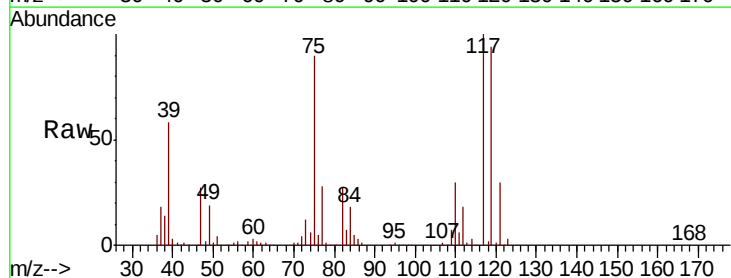
Tgt Ion: 117 Resp: 159068

Ion Ratio Lower Upper

117 100

119 93.7 73.8 110.8

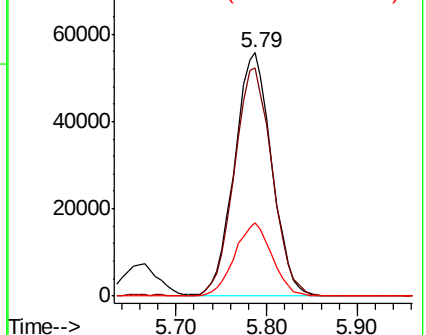
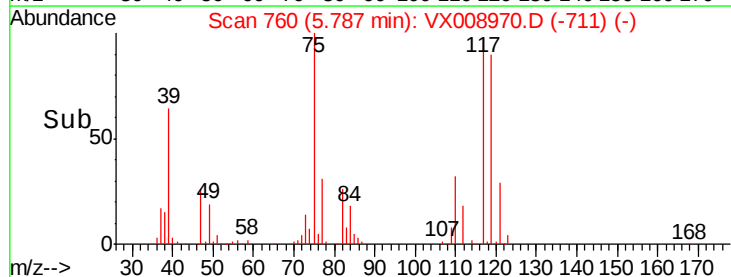
121 30.1 23.6 35.4

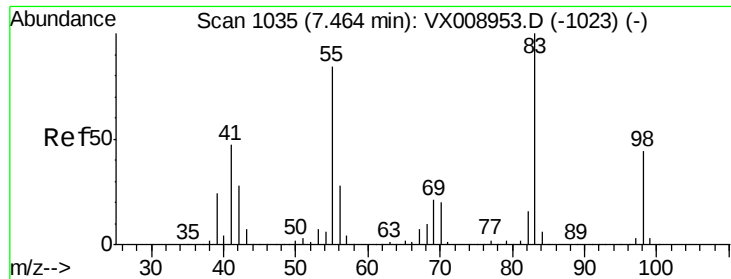


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

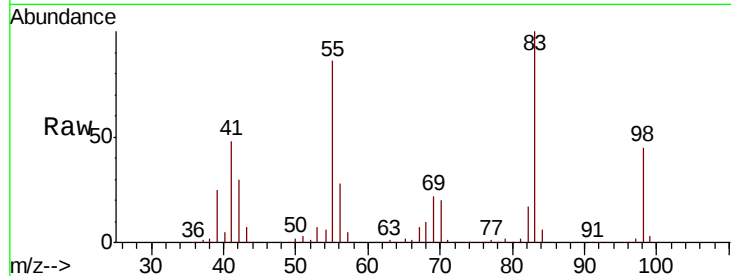




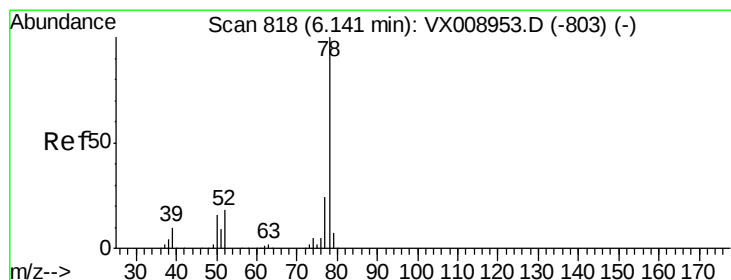
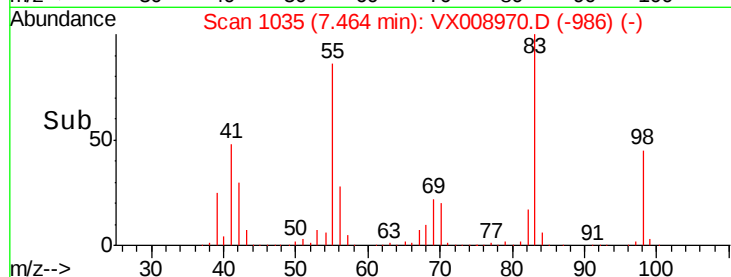
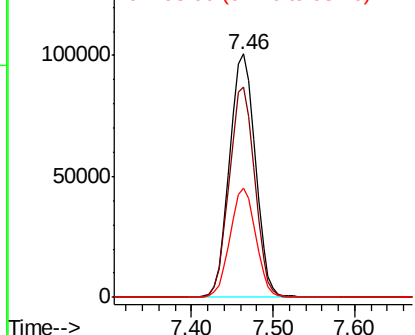
#39
Methvlcvclohexane
Concen: 48.991 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion: 83 Resp: 220294
Ion Ratio Lower Upper
83 100
55 86.3 67.1 100.7
98 45.1 35.1 52.7

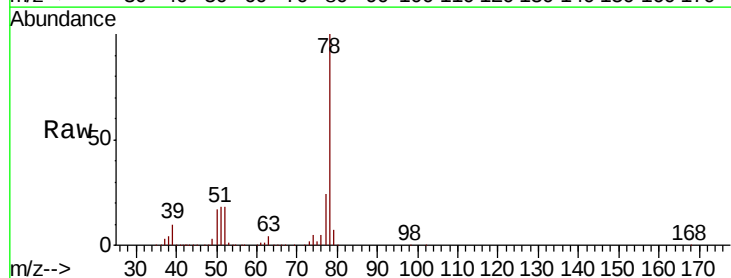


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

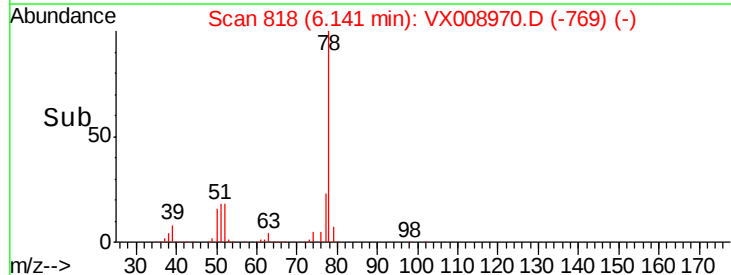
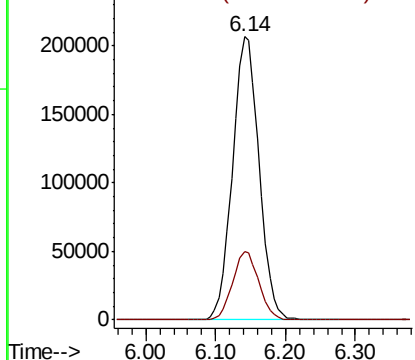


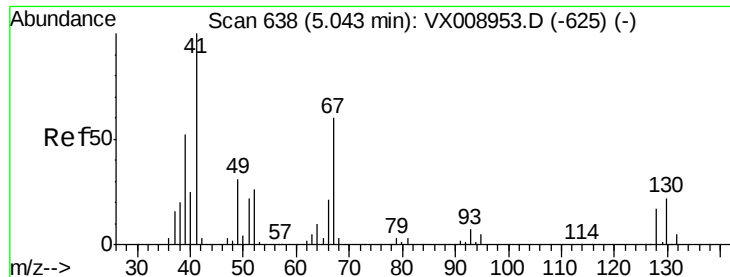
#40
Benzene
Concen: 49.972 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion: 78 Resp: 544460
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

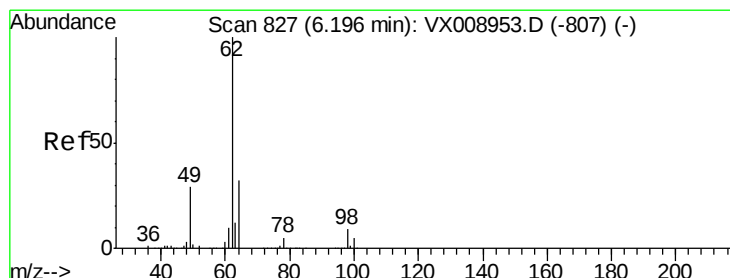
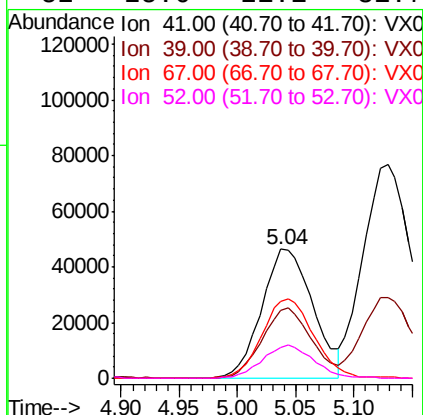
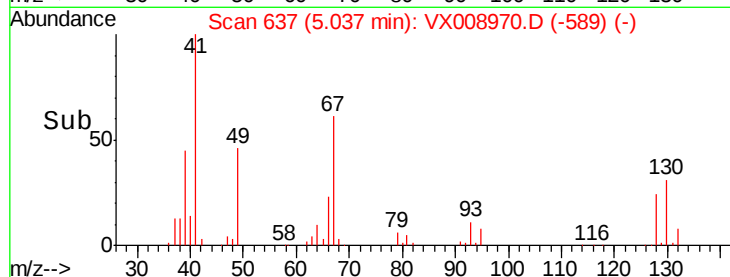
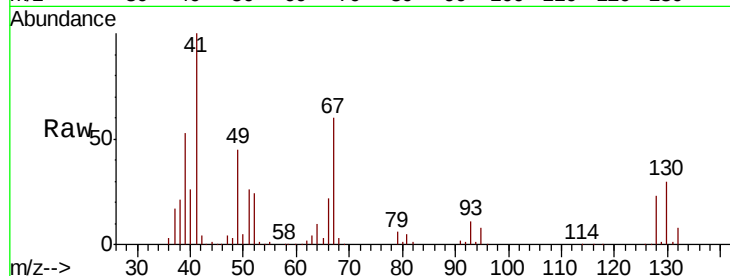




#41
Methacrylonitrile
Concen: 51.840 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

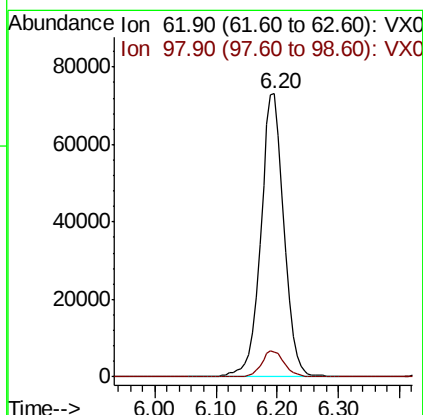
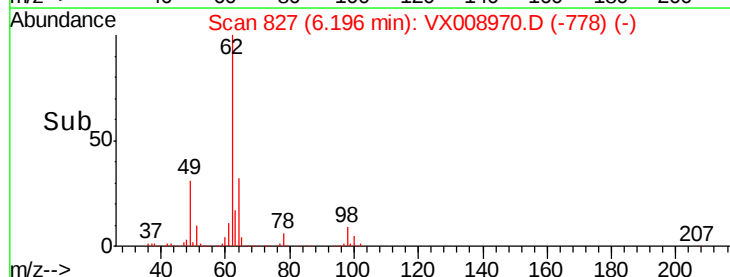
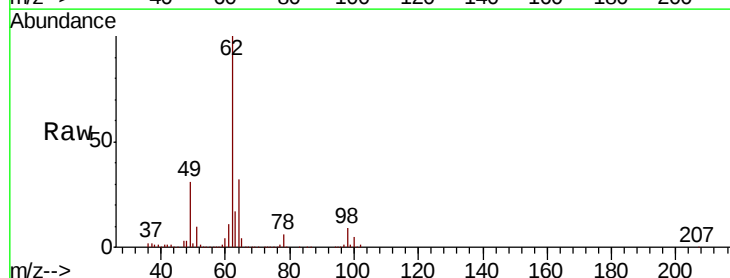
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

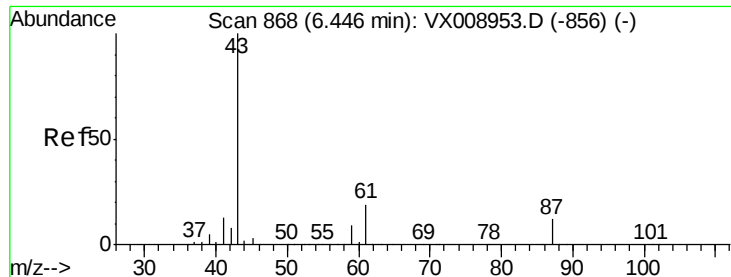
Tot Ion:	41	Resp:	141393
Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.8	62.6
67	62.1	50.2	75.4
52	25.6	21.1	31.7



#42
1,2-Dichloroethane
Concen: 50.006 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:	62	Resp:	193000
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4



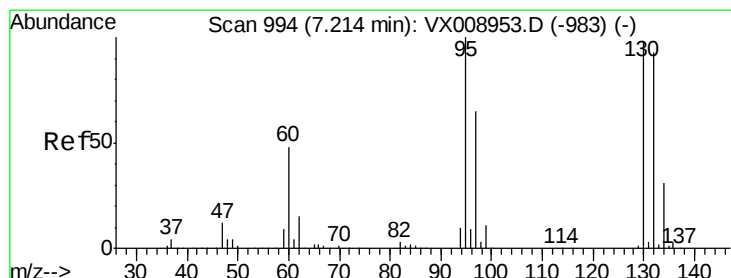
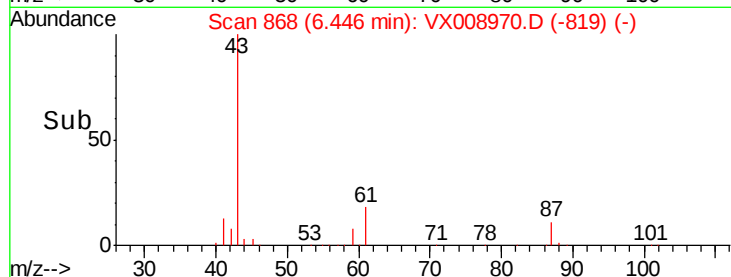
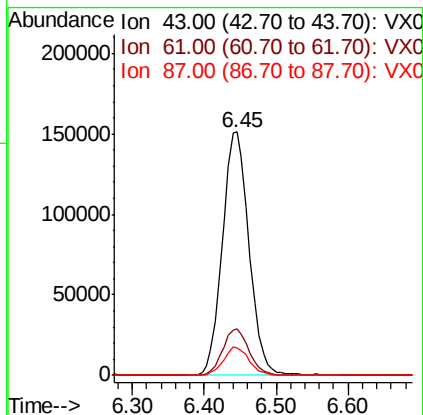
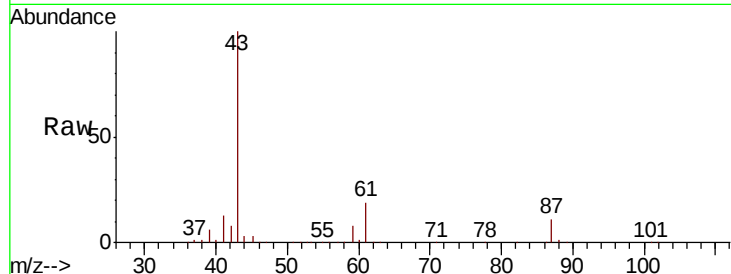


#43

Isopropyl Acetate
 Concen: 50.679 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

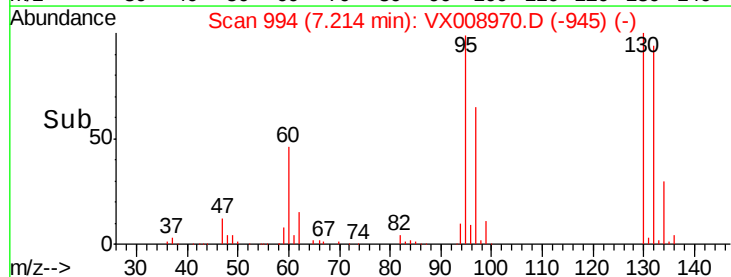
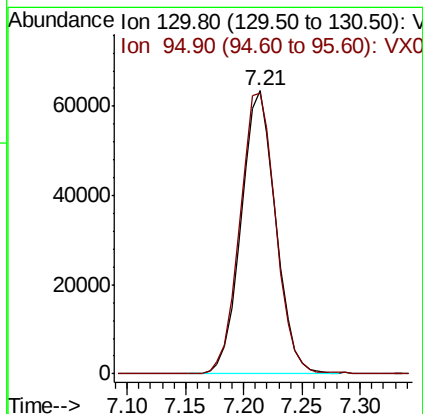
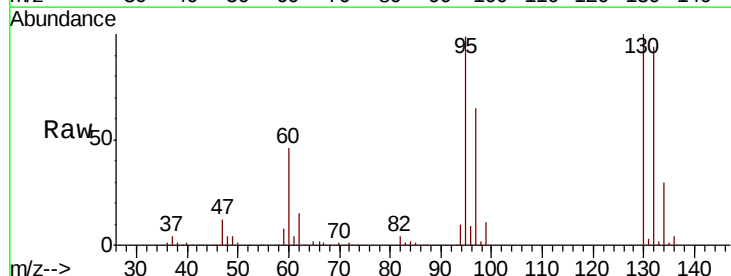
Tot Ion: 43 Resp: 388118
 Ion Ratio Lower Upper
 43 100
 61 19.0 15.4 23.0
 87 11.1 9.0 13.4

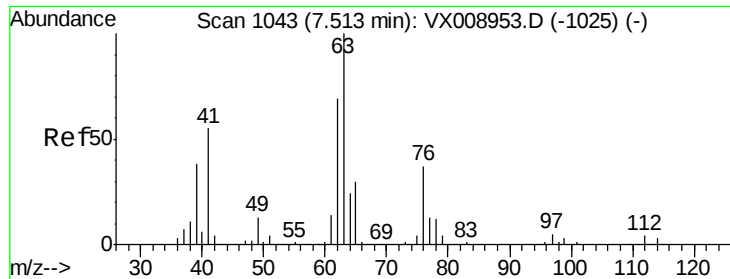


#44

Trichloroethene
 Concen: 49.307 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 130 Resp: 131627
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 203.2





#45

1,2-Dichloropropane

Concen: 50.890 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

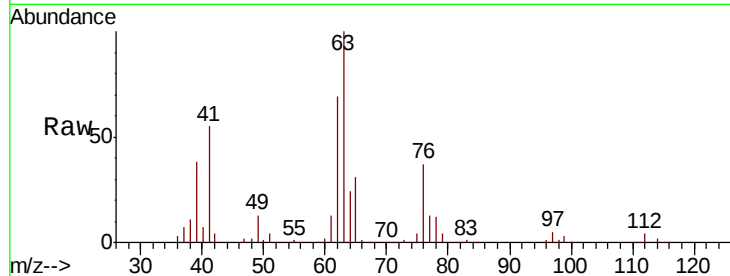
M-16-190410MS

Tot Ion: 63 Resp: 153822

Ion Ratio Lower Upper

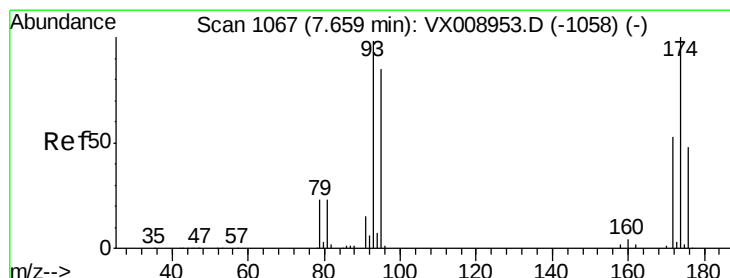
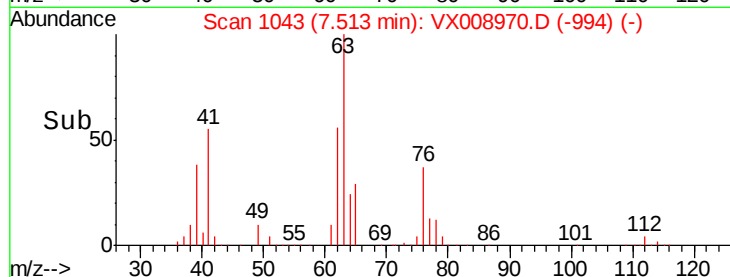
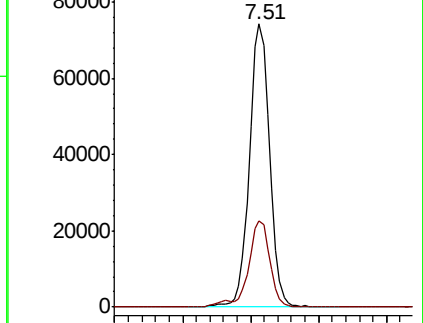
63 100

65 30.6 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.221 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

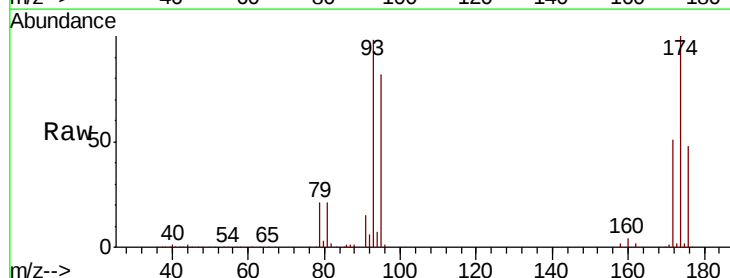
Tgt Ion: 93 Resp: 86585

Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.4

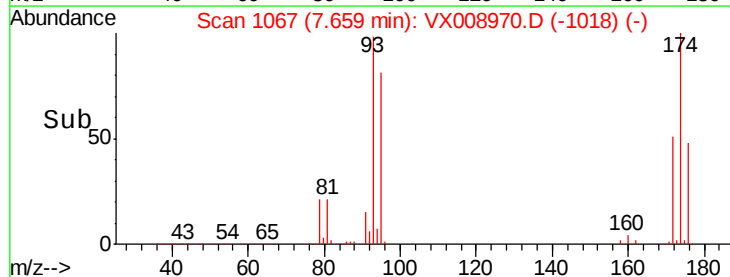
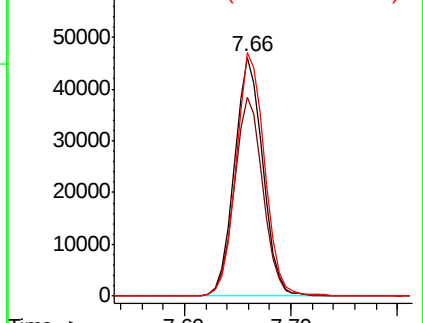
174 102.5 81.6 122.4

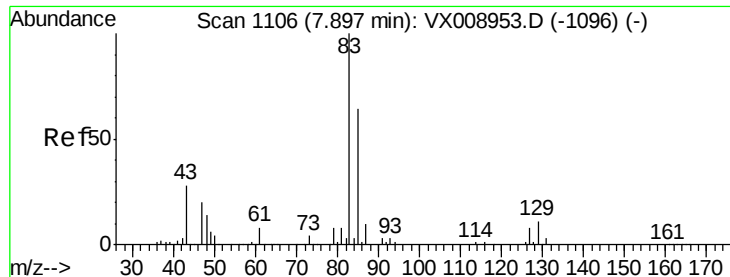


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.714 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

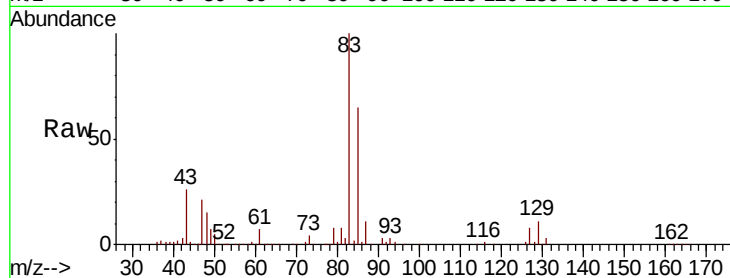
Tot Ion: 83 Resp: 174974

Ion Ratio Lower Upper

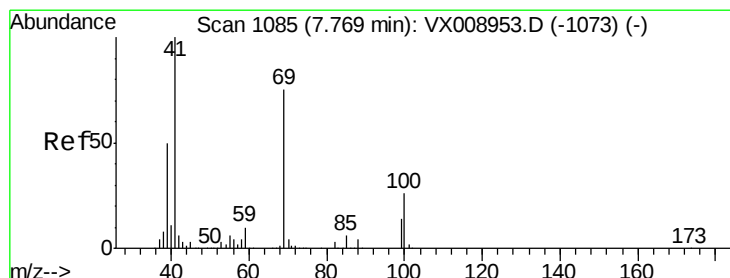
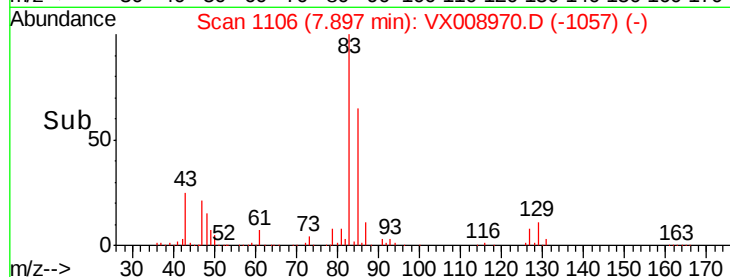
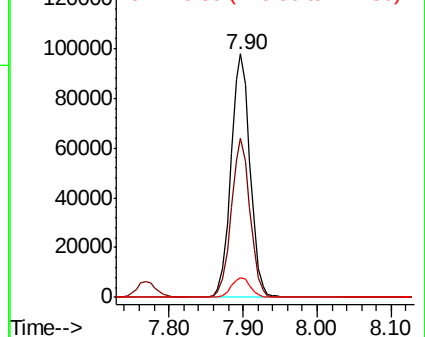
83 100

85 65.1 50.8 76.2

127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.196 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

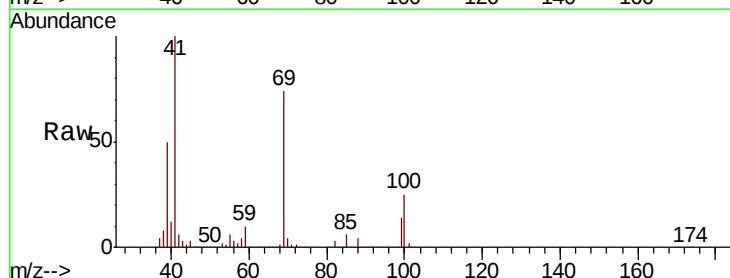
Tgt Ion: 41 Resp: 197516

Ion Ratio Lower Upper

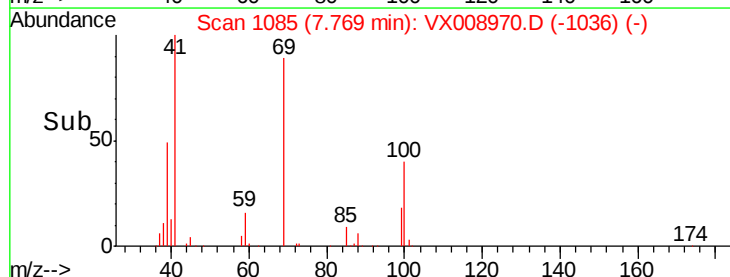
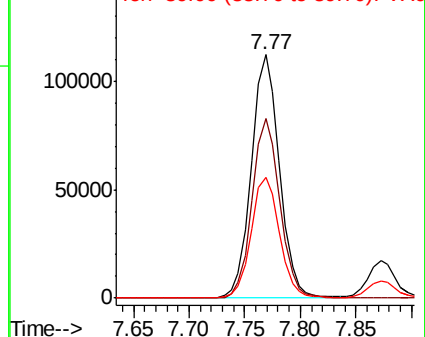
41 100

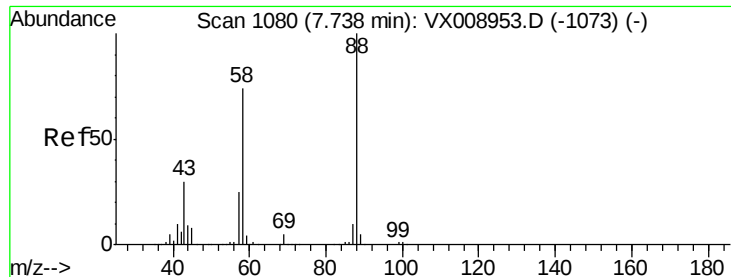
69 73.4 59.4 89.2

39 50.4 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 869.927 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

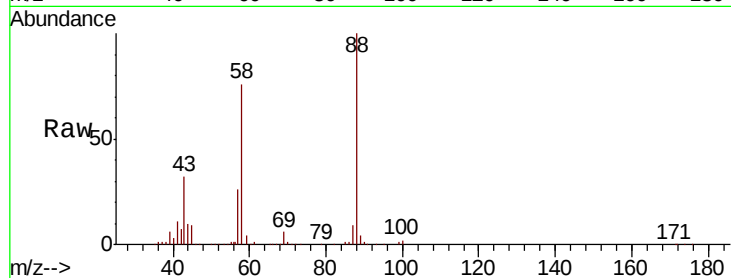
Tot Ion: 88 Resp: 61614

Ion Ratio Lower Upper

88 100

43 36.6 29.3 43.9

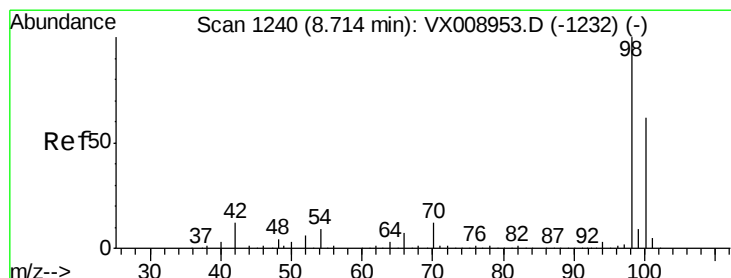
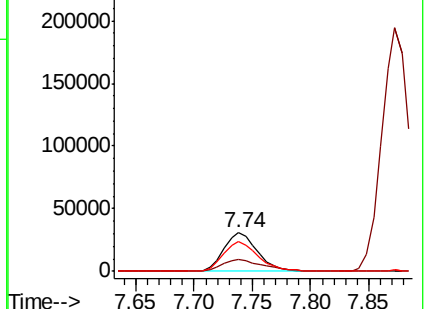
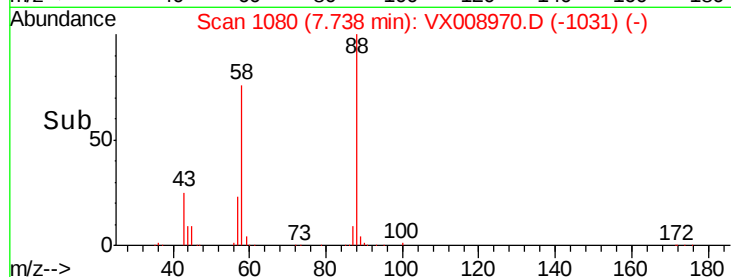
58 80.0 62.6 93.8



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.864 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008970.D

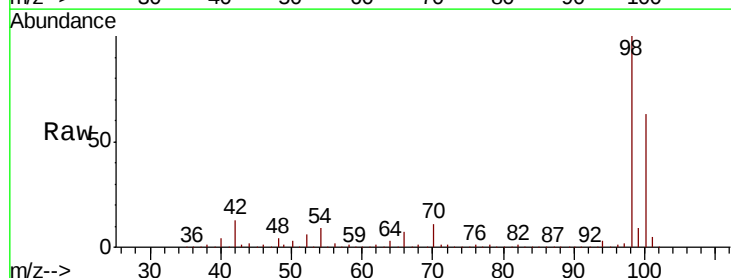
Acq: 15 Apr 2019 19:05

Tgt Ion: 98 Resp: 483165

Ion Ratio Lower Upper

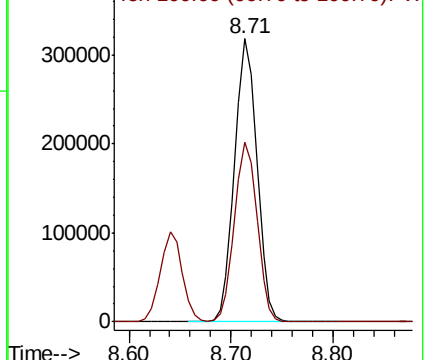
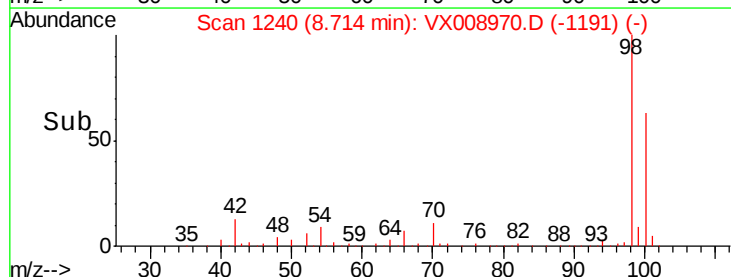
98 100

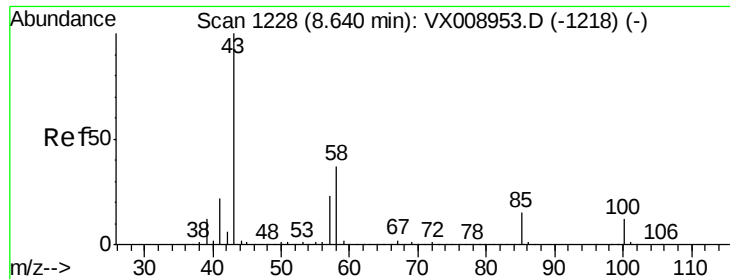
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

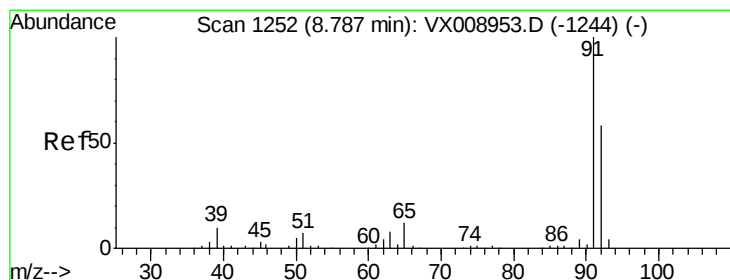
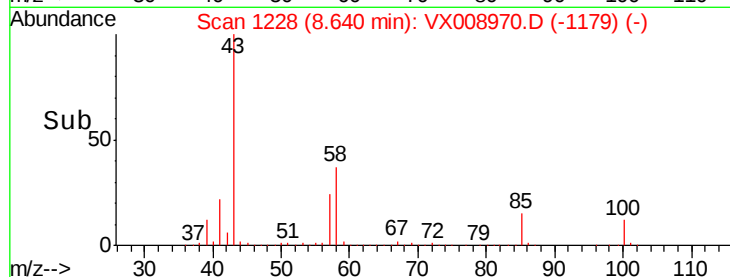
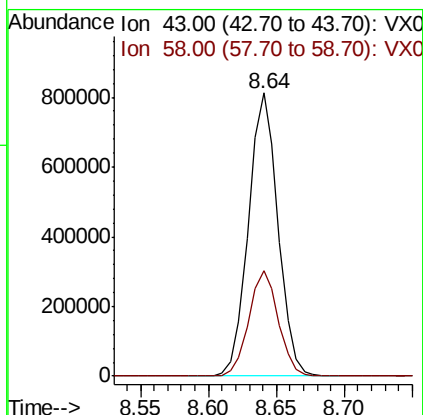
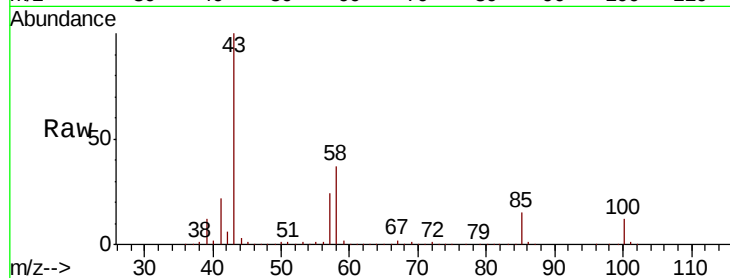




#51
 4-Methyl-2-Pentanone
 Concen: 253.844 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

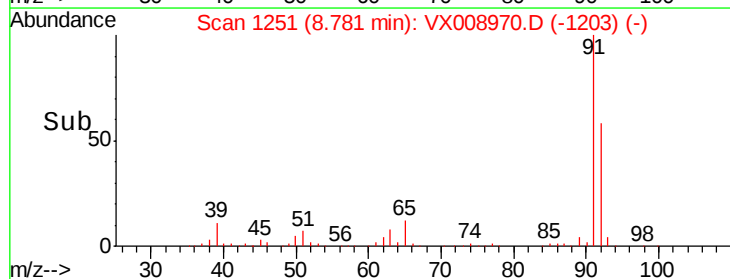
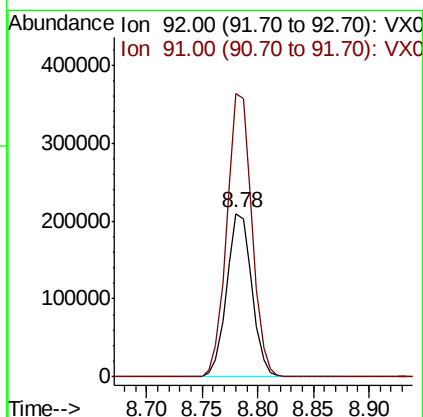
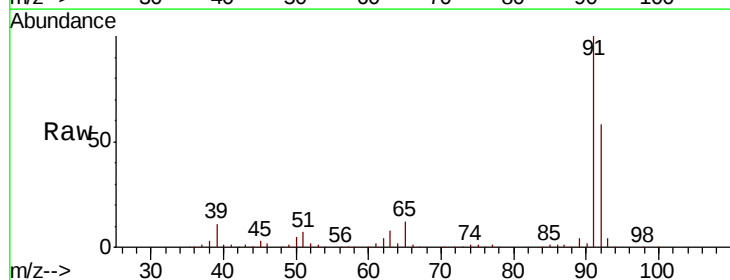
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

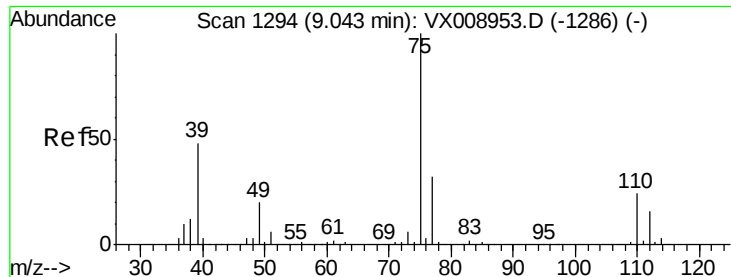
Tot Ion: 43 Resp: 1238504
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.6



#52
 Toluene
 Concen: 49.937 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 92 Resp: 326074
 Ion Ratio Lower Upper
 92 100
 91 173.3 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 51.514 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

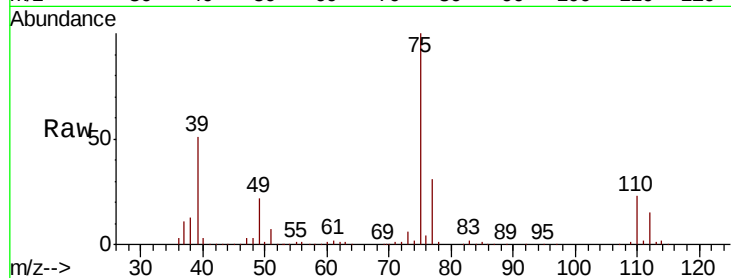
M-16-190410MS

Tot Ion: 75 Resp: 204548

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

150000

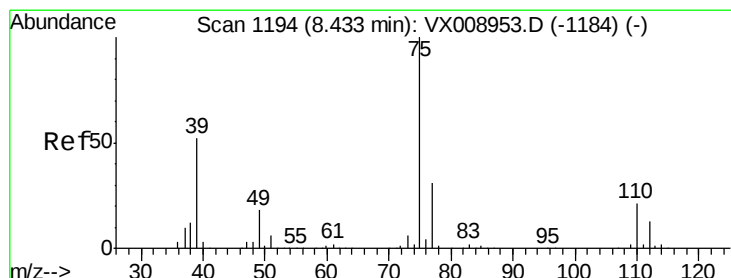
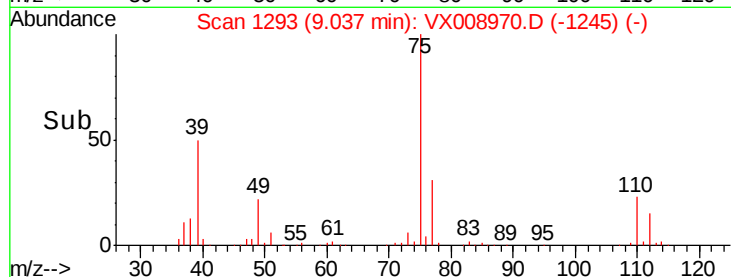
100000

50000

0

9.04

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 50.626 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

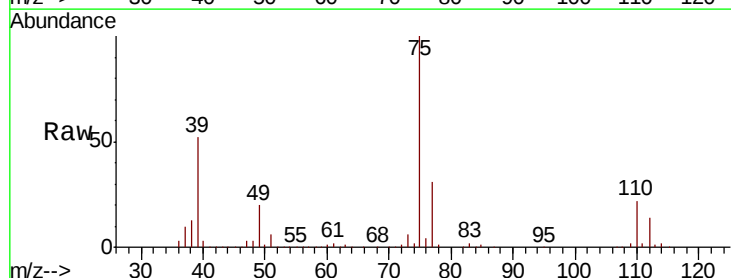
Tgt Ion: 75 Resp: 225088

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 52.3 41.8 62.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

150000

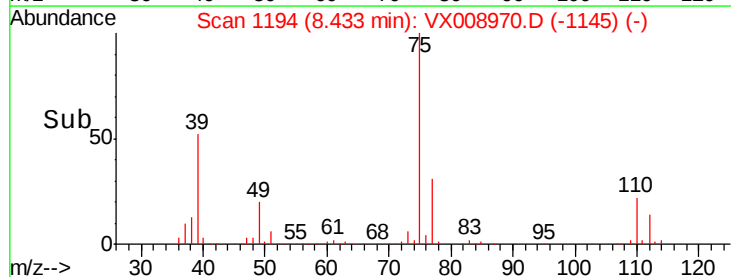
100000

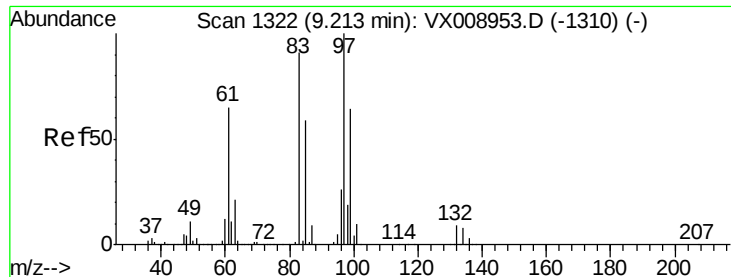
50000

0

8.43

Time--> 8.30 8.40 8.50 8.60

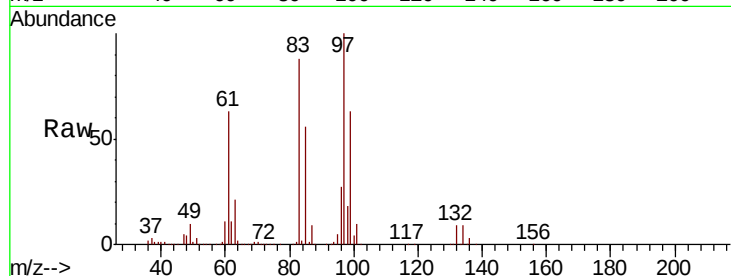




#55
 1,1,2-Trichloroethane
 Concen: 50.604 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	97	Resp	130960
Ion	Ratio	Lower	Upper
97	100		
83	87.7	72.6	108.8
85	56.3	46.9	70.3
99	62.5	51.0	76.6



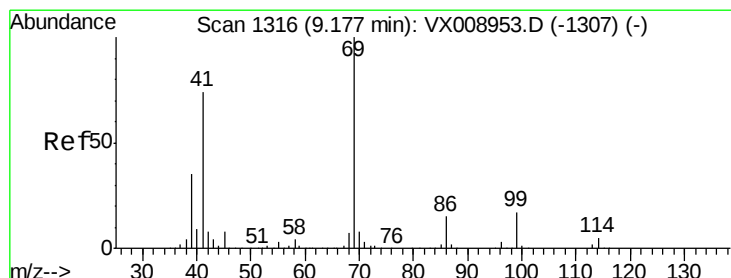
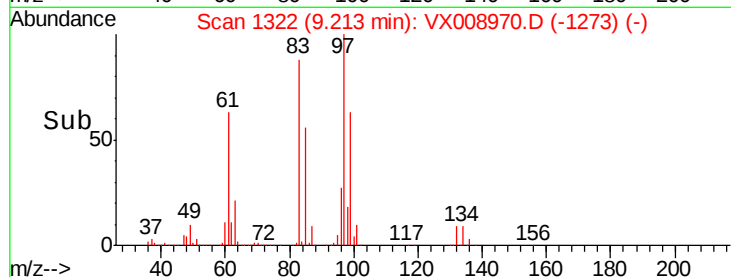
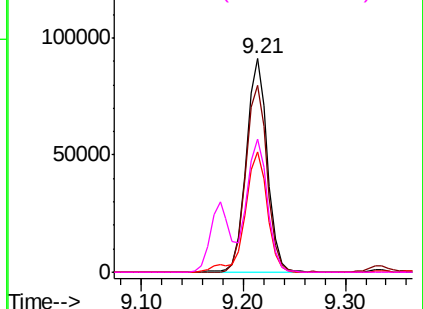
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

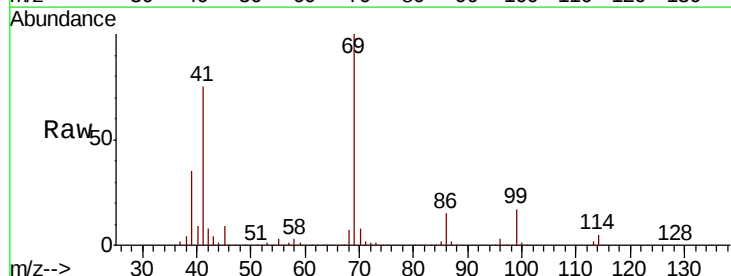
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 51.846 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	69	Resp	240587
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.2	90.2
39	35.4	27.9	41.9

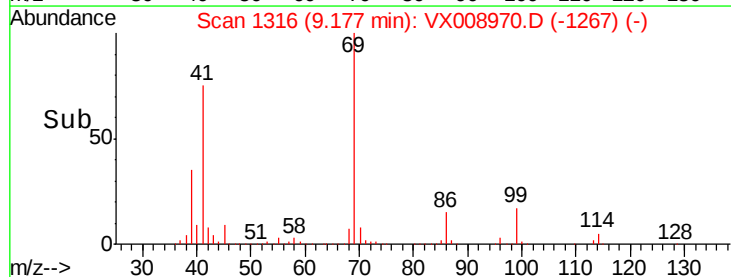
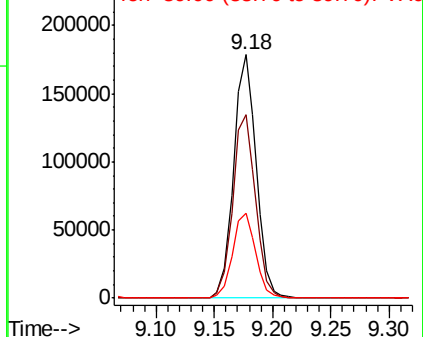


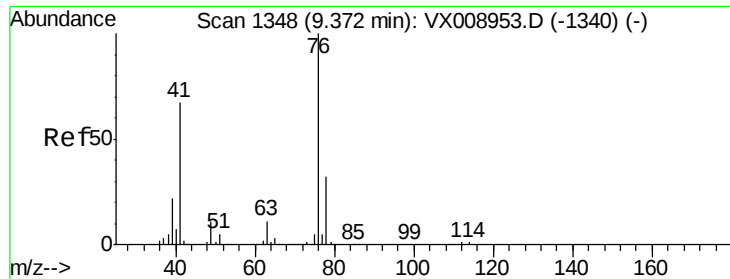
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

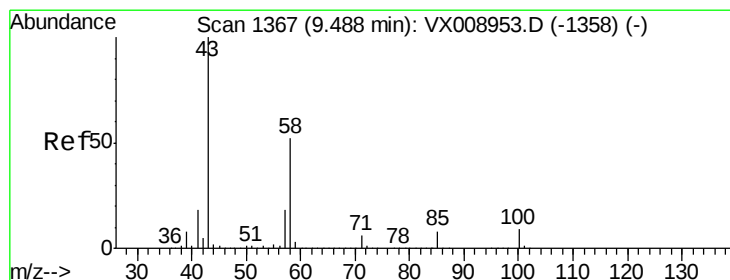
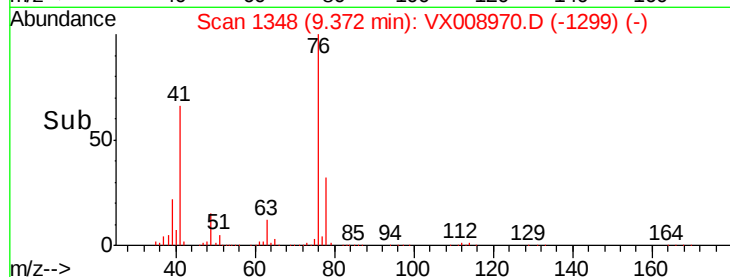
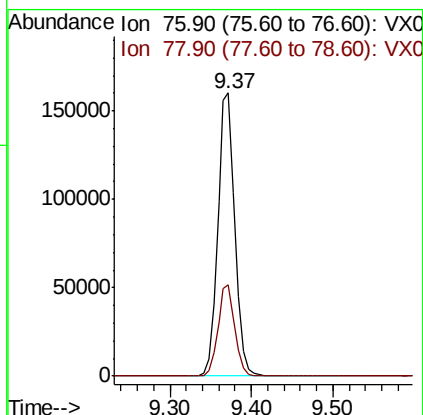
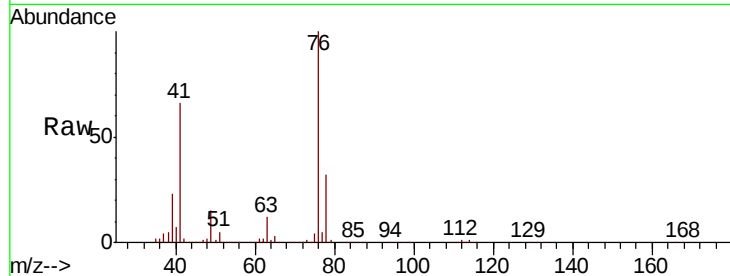




#57
 1,3-Dichloropropane
 Concen: 50.667 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

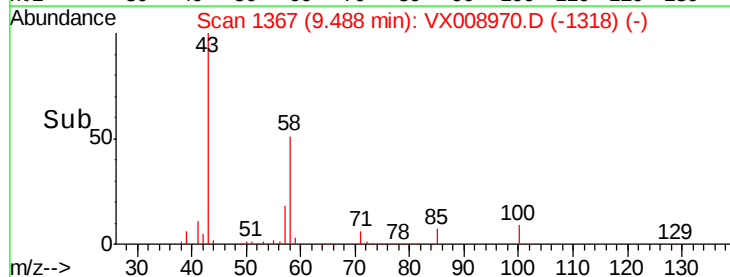
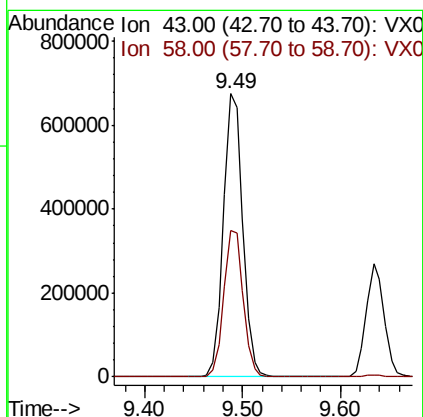
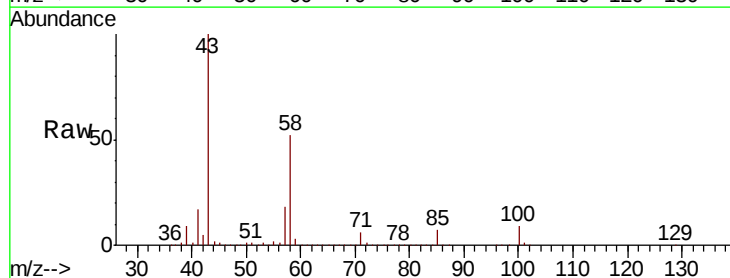
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

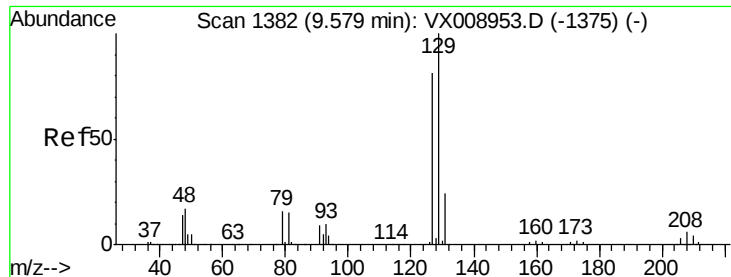
Tot Ion: 76 Resp: 233462
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#59
 2-Hexanone
 Concen: 246.021 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 43 Resp: 925433
 Ion Ratio Lower Upper
 43 100
 58 52.0 25.9 77.8





#60

Dibromochloromethane

Concen: 52.412 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

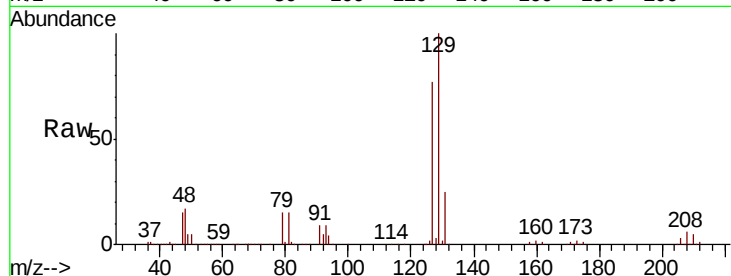
M-16-190410MS

Tot Ion:129 Resp: 129997

Ion Ratio Lower Upper

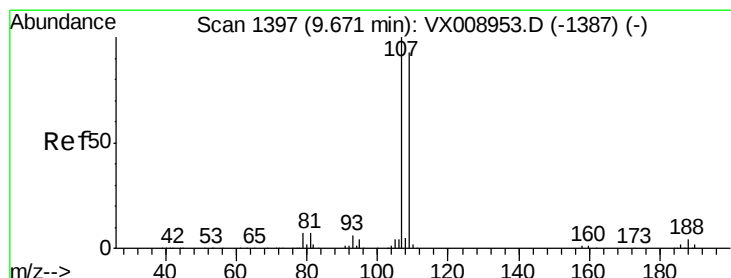
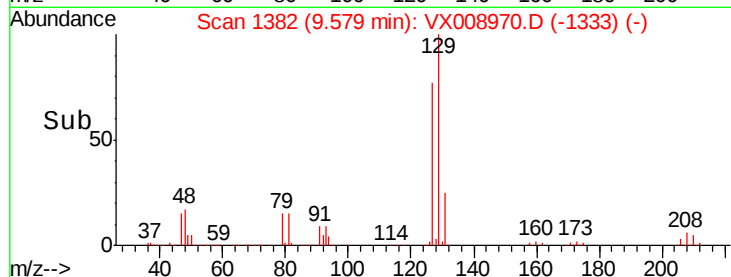
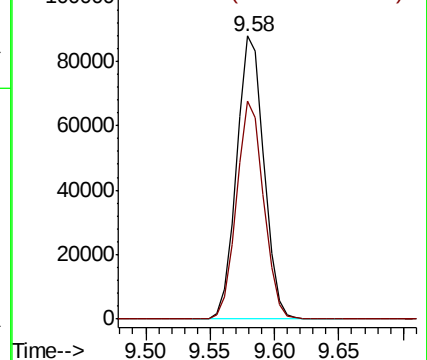
129 100

127 76.5 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.788 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008970.D

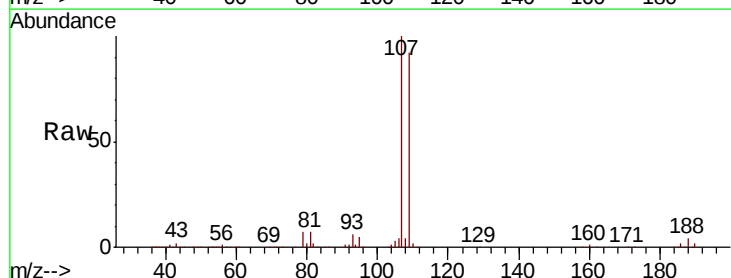
Acq: 15 Apr 2019 19:05

Tgt Ion:107 Resp: 135653

Ion Ratio Lower Upper

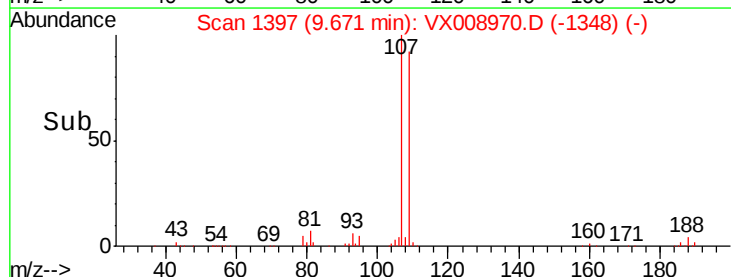
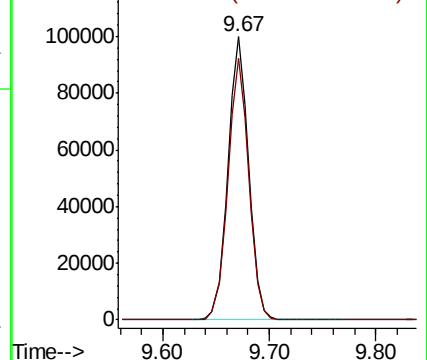
107 100

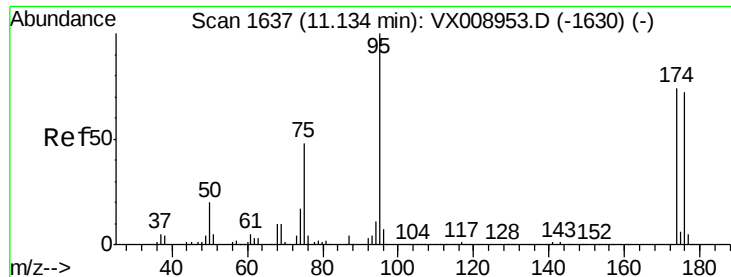
109 93.2 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

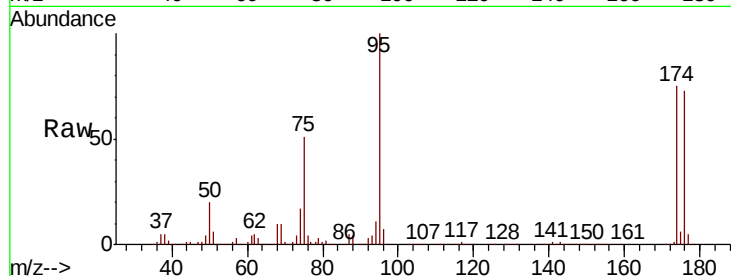
Tot Ion: 95 Resp: 169497

Ion Ratio Lower Upper

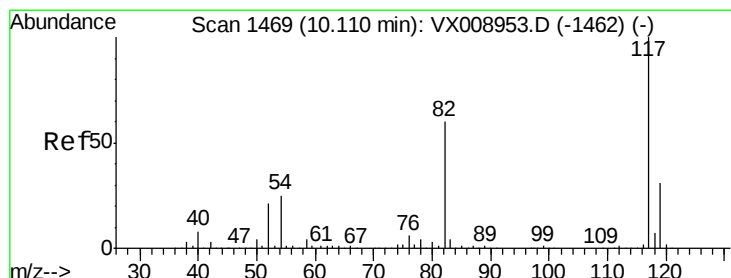
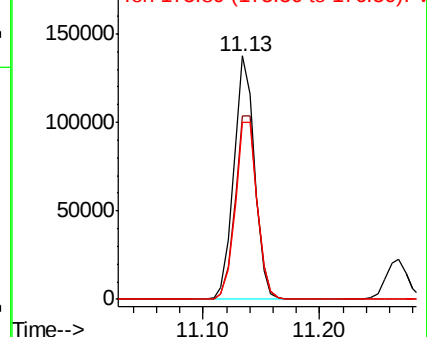
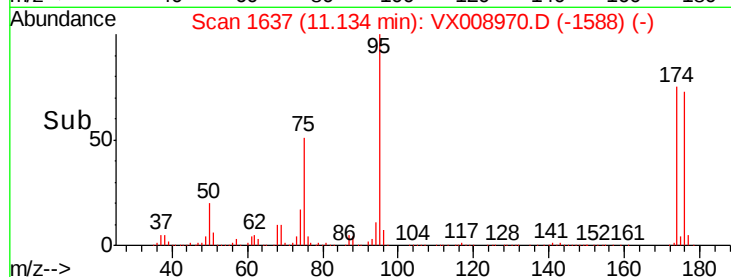
95 100

174 80.1 0.0 159.6

176 77.1 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008970.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

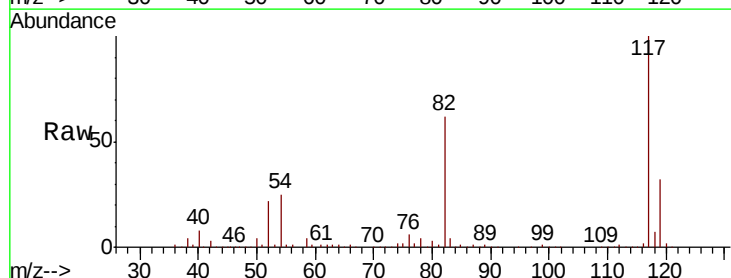
Tgt Ion: 117 Resp: 318196

Ion Ratio Lower Upper

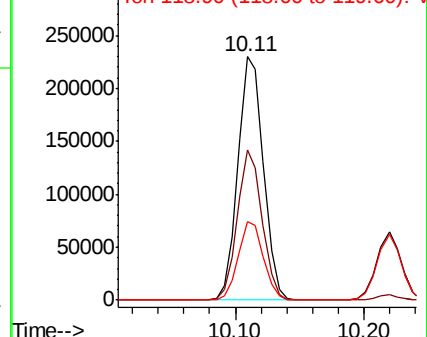
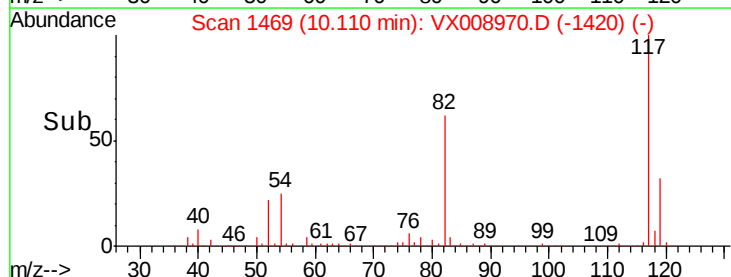
117 100

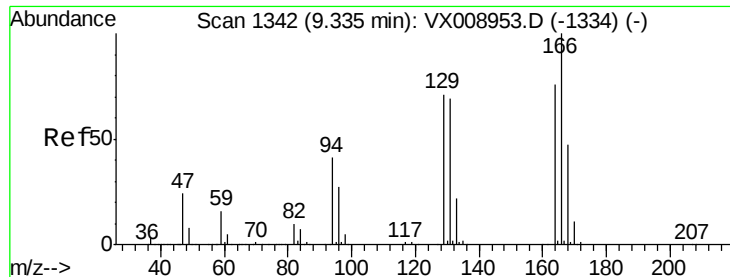
82 61.6 48.2 72.4

119 32.1 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008970.D (-1420) (-)





#64

Tetrachloroethene

Concen: 60.958 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion:164 Resp: 147353

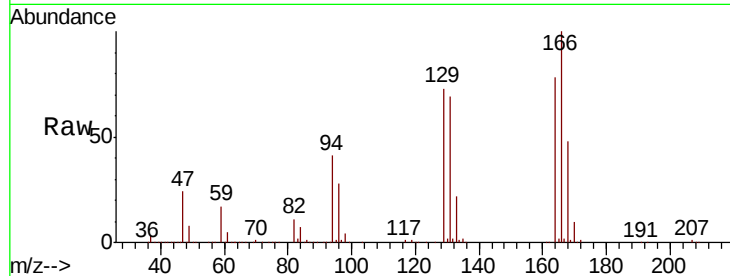
Ion Ratio Lower Upper

164 100

166 128.4 105.0 157.4

129 94.0 74.2 111.4

131 88.9 72.2 108.2

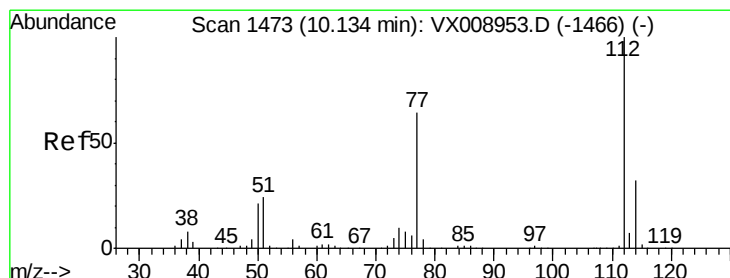
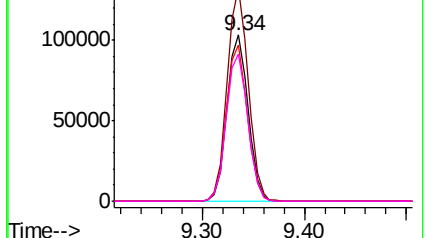
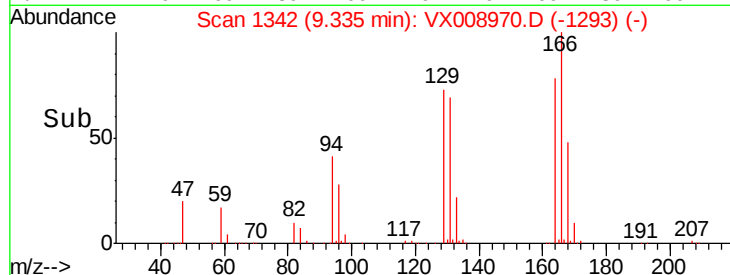


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.162 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008970.D

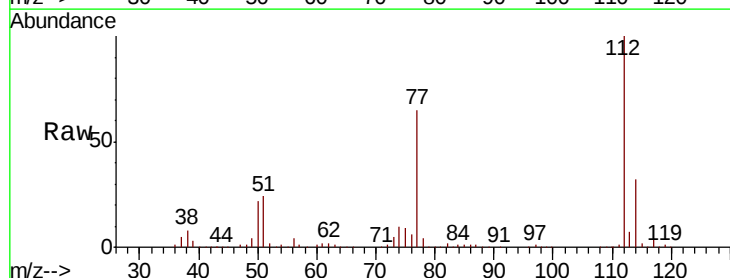
Acq: 15 Apr 2019 19:05

Tgt Ion:112 Resp: 330187

Ion Ratio Lower Upper

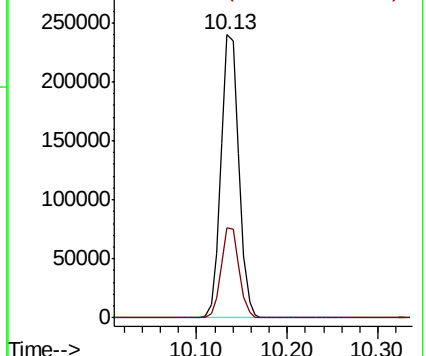
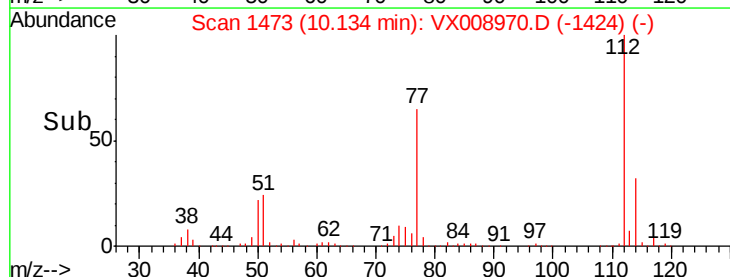
112 100

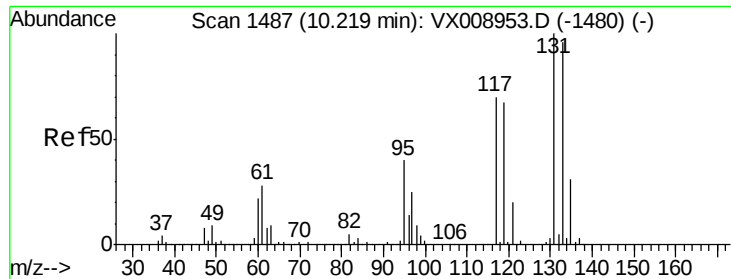
114 31.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

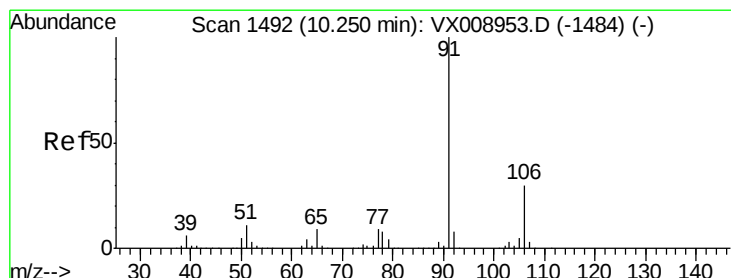
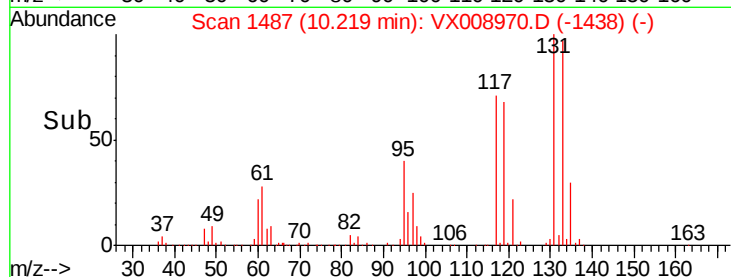
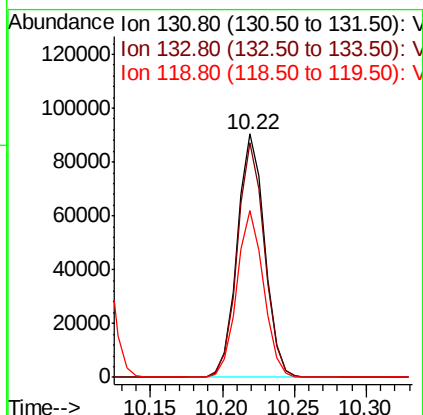
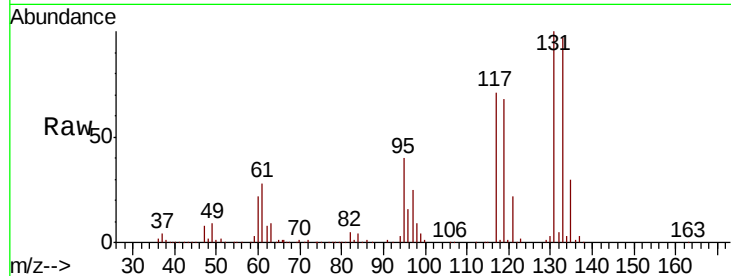




#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.725 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

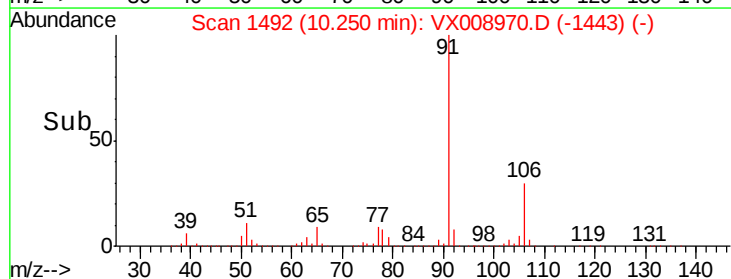
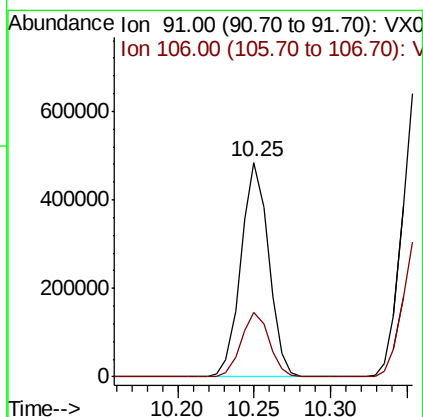
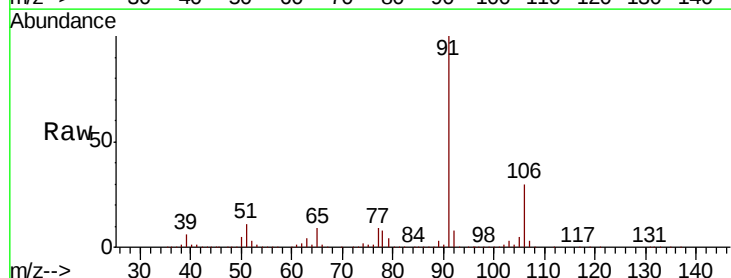
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

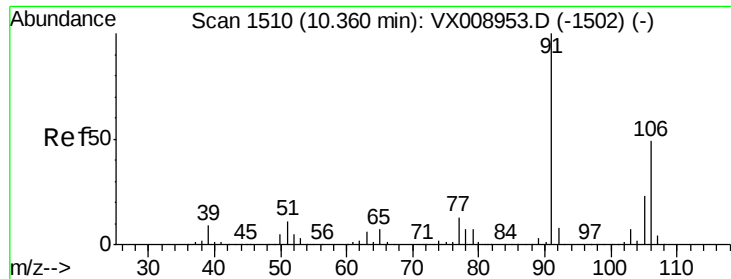
Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.2
119	67.3	33.7	101.1



#67
 Ethyl Benzene
 Concen: 49.598 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

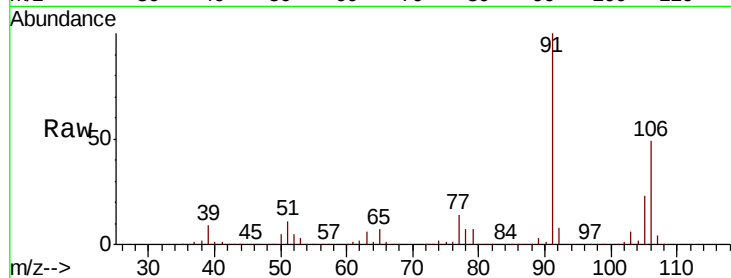




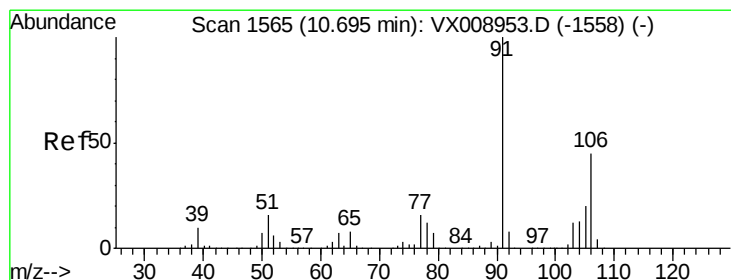
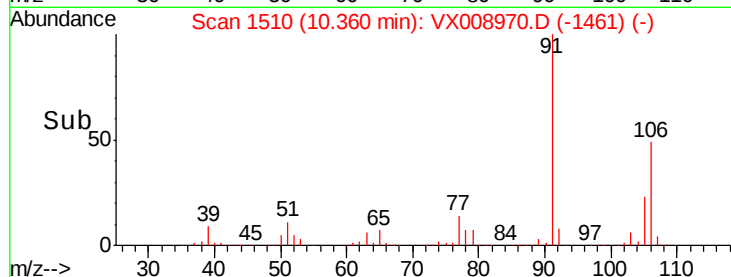
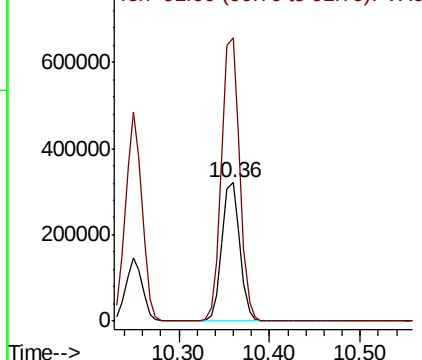
#68
m/p-Xylenes
Concen: 99.433 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion:106 Resp: 443669
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.2

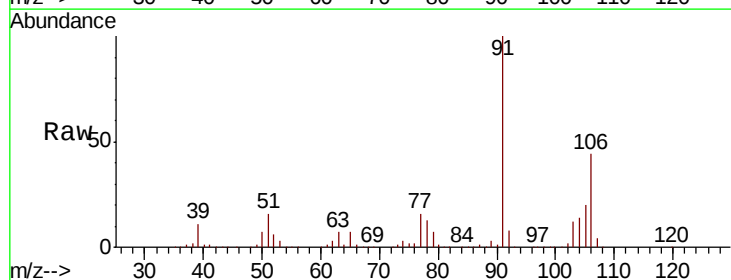


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

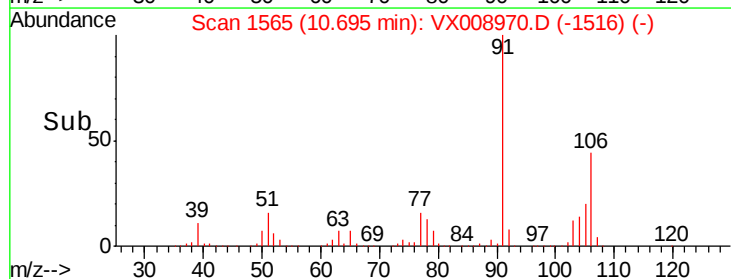
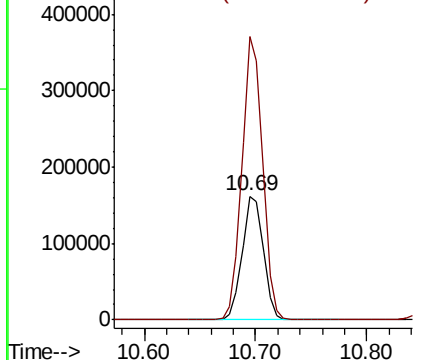


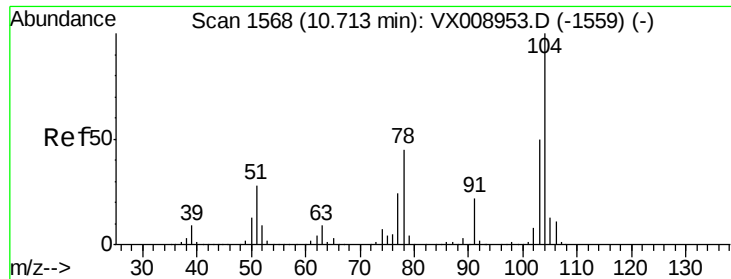
#69
o-Xylene
Concen: 49.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:106 Resp: 213306
Ion Ratio Lower Upper
106 100
91 222.8 108.9 326.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

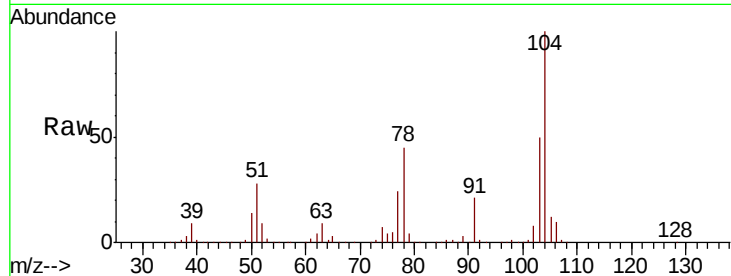




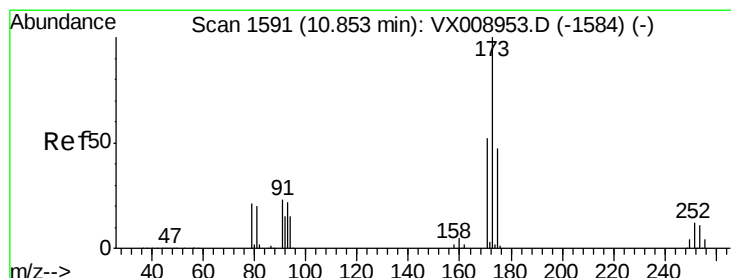
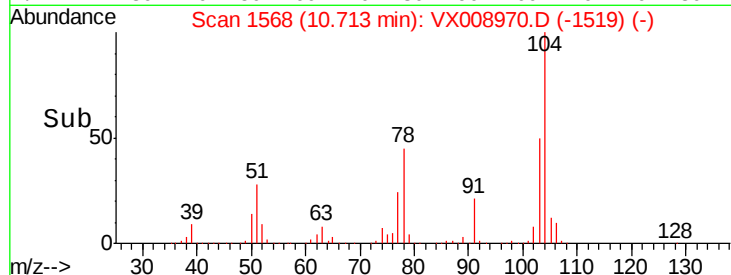
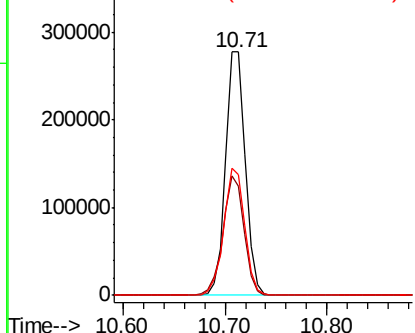
#70
Stvrene
Concen: 49.417 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion:104 Resp: 371793
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.6 43.9 65.9

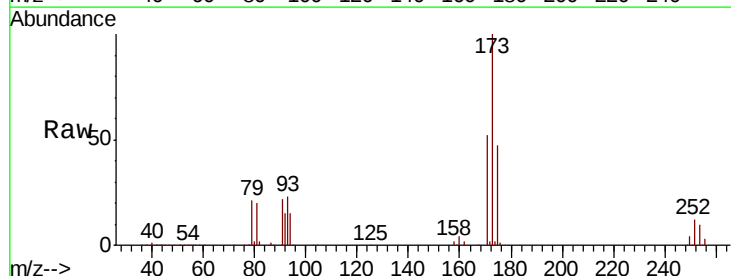


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

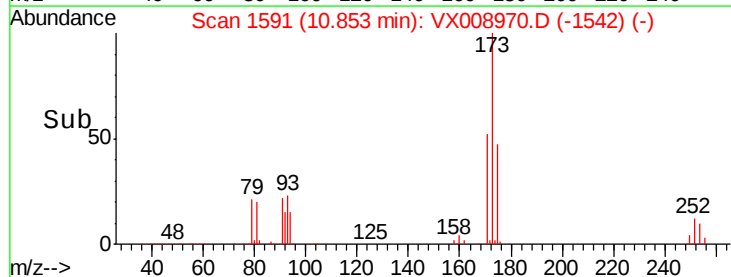
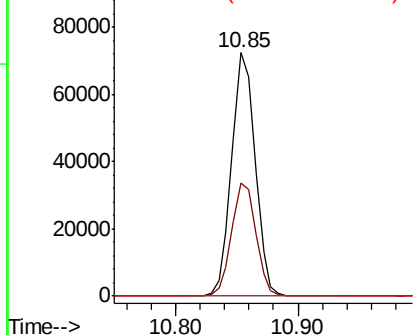


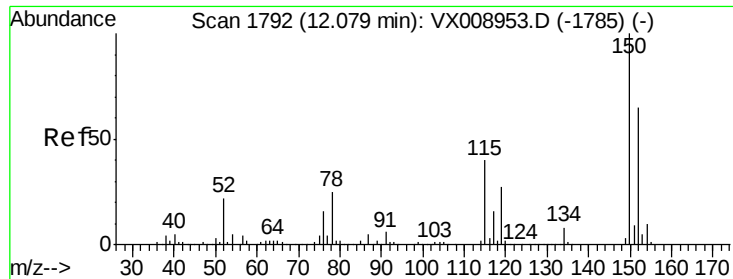
#71
Bromoform
Concen: 50.883 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:173 Resp: 95914
Ion Ratio Lower Upper
173 100
175 47.9 23.9 71.8
254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

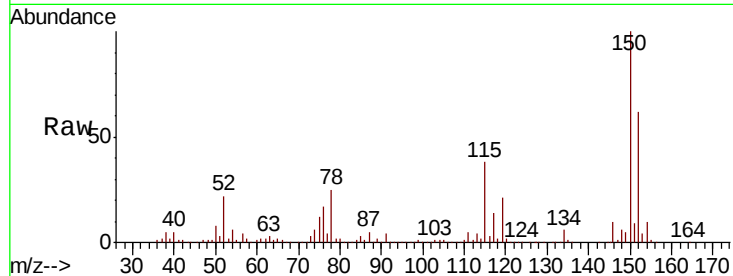
Tot Ion:152 Resp: 144451

Ion Ratio Lower Upper

152 100

115 85.7 41.4 124.2

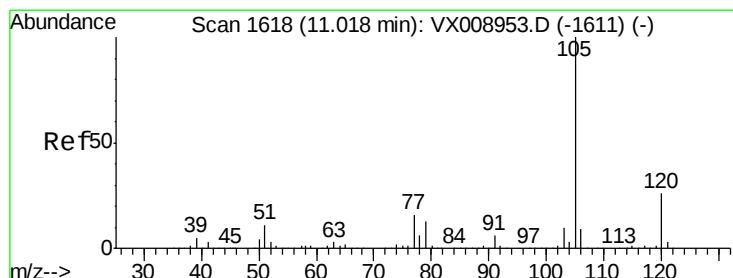
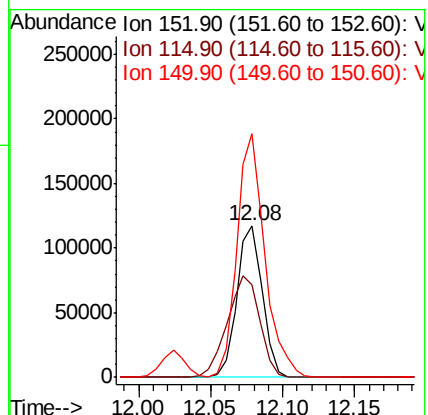
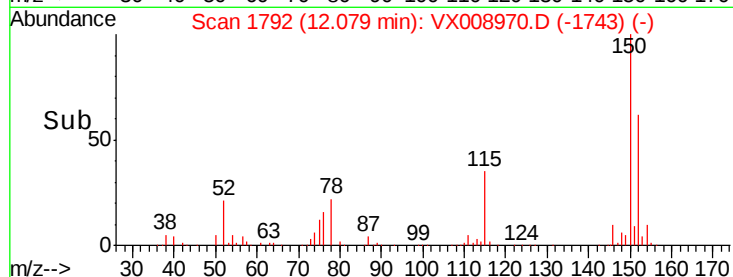
150 175.6 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.086 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008970.D

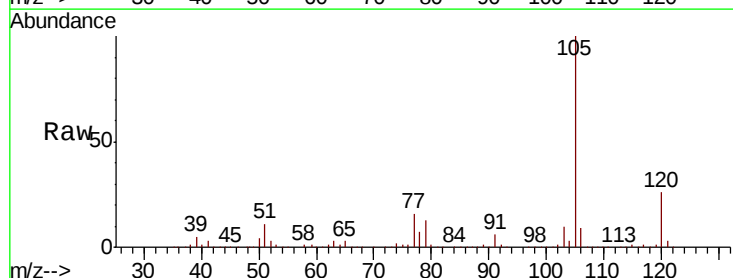
Acq: 15 Apr 2019 19:05

Tgt Ion:105 Resp: 570306

Ion Ratio Lower Upper

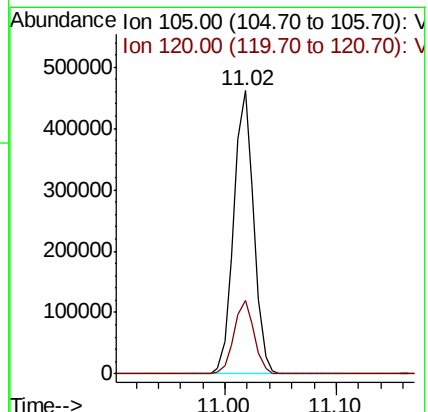
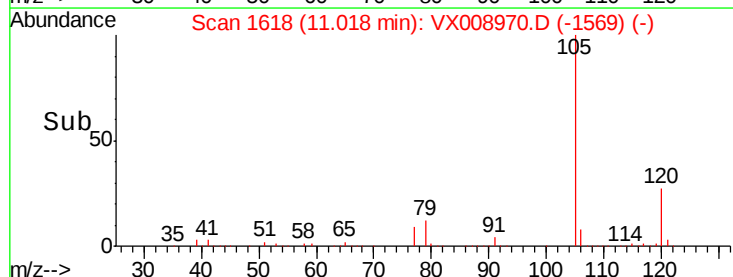
105 100

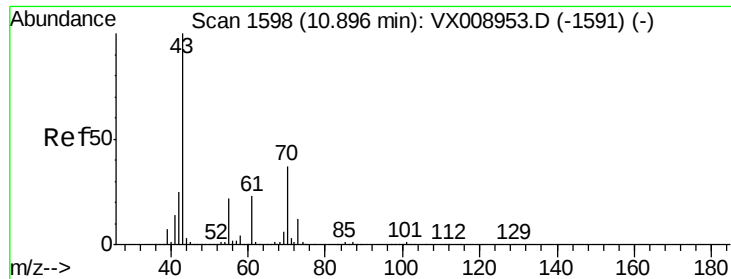
120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.595 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 43 Resp: 324369

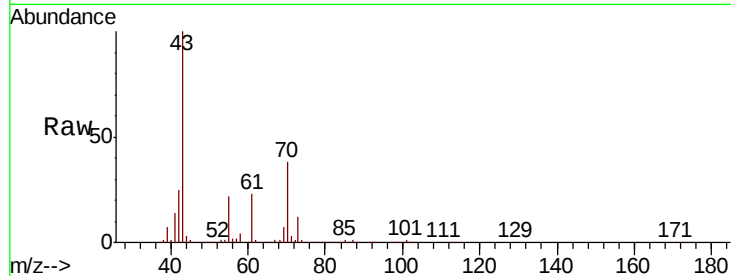
Ion Ratio Lower Upper

43 100

70 37.1 29.9 44.9

55 22.2 17.8 26.8

61 22.5 18.3 27.5

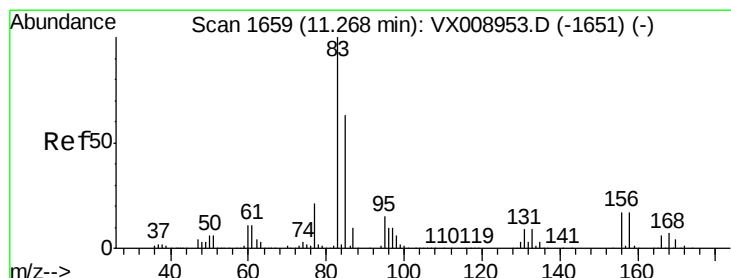
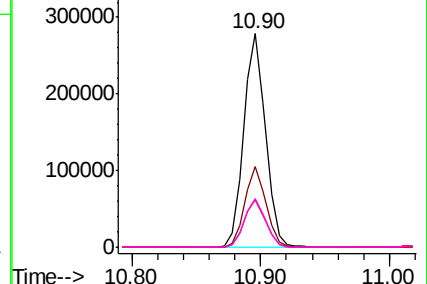
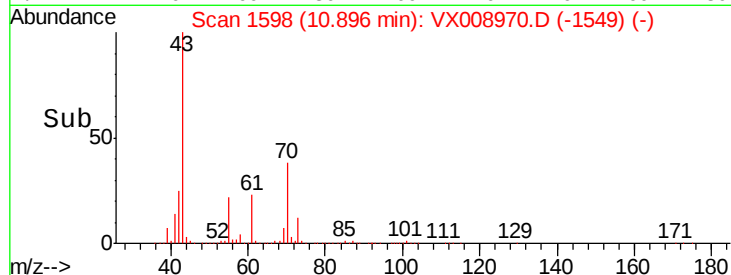


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.110 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

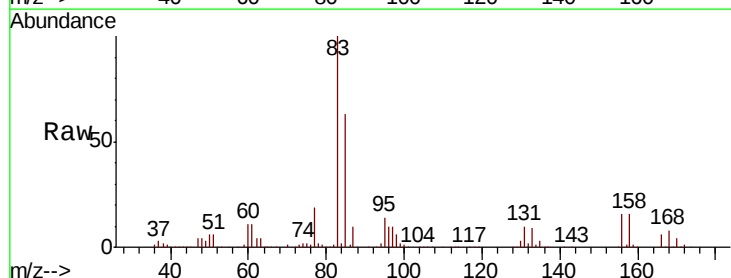
Tgt Ion: 83 Resp: 204473

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

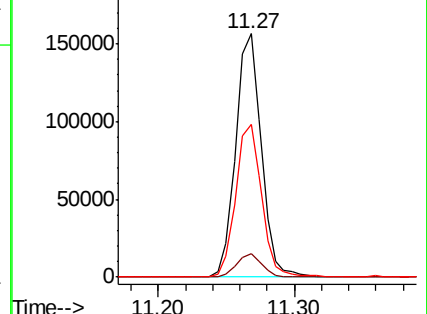
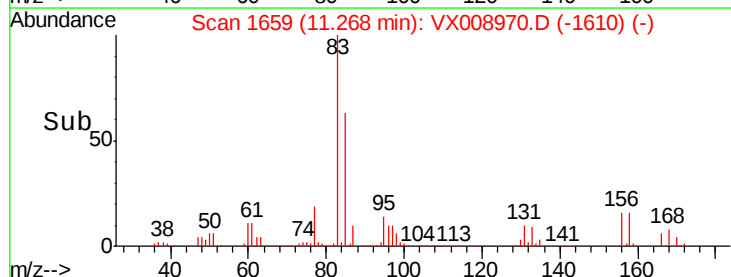
85 63.7 31.9 95.9

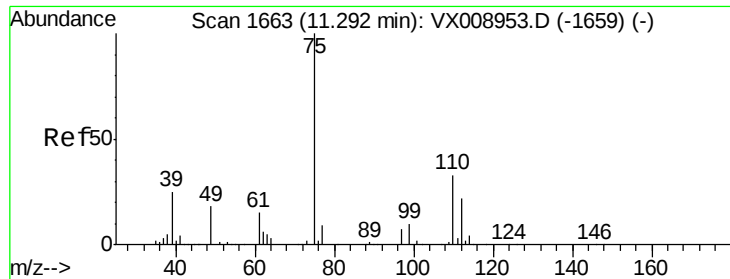


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

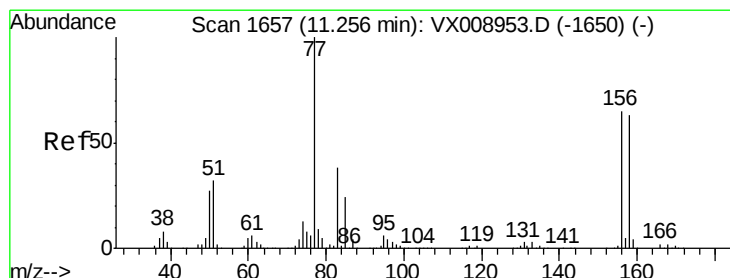
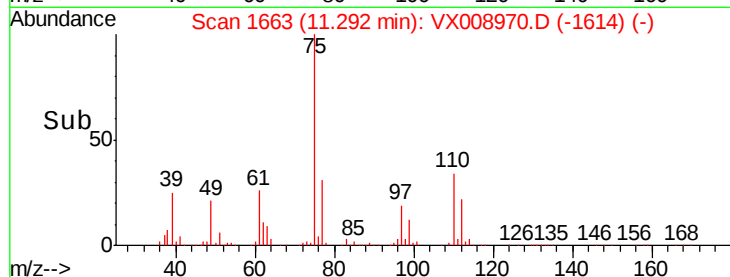
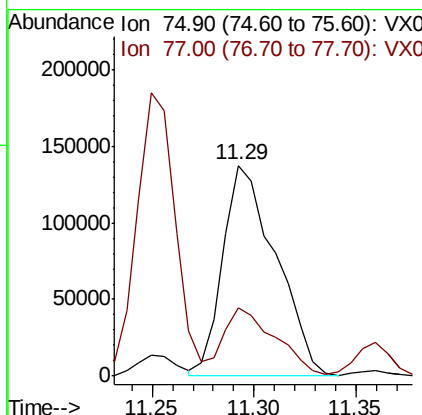
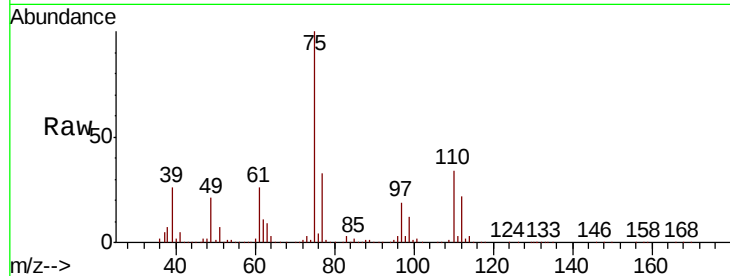




#76
 1,2,3-Trichloropropane
 Concen: 69.560 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

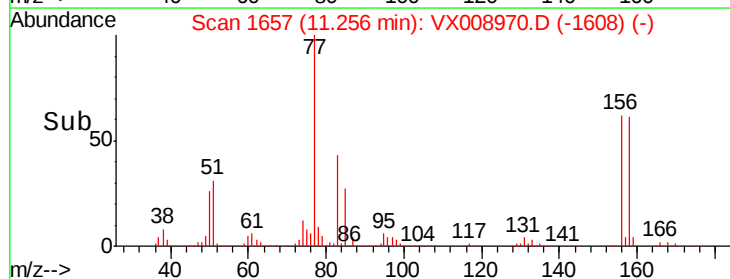
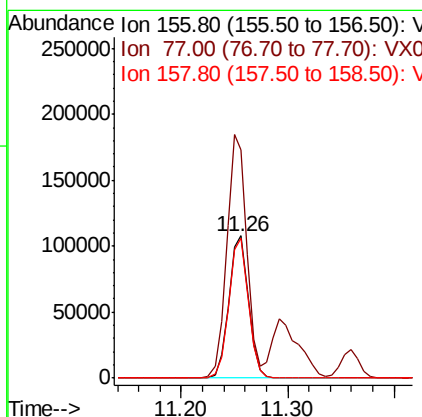
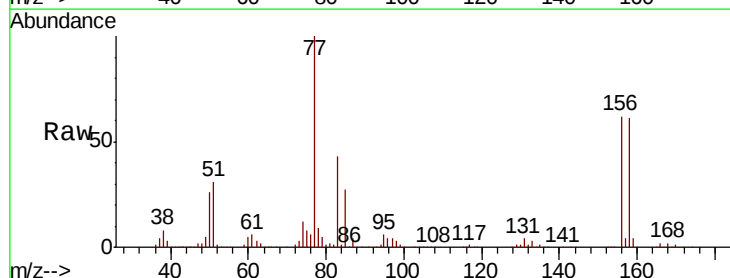
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

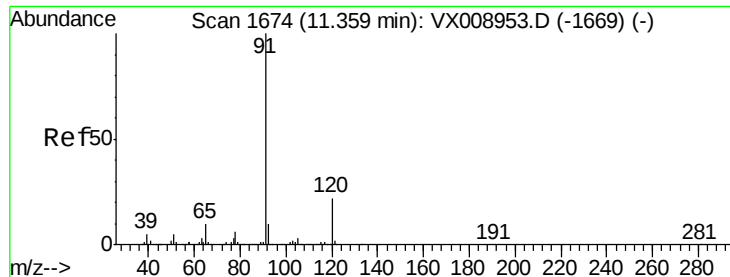
Tot Ion: 75 Resp: 245354
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 68.0



#77
 Bromobenzene
 Concen: 50.466 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 156 Resp: 139416
 Ion Ratio Lower Upper
 156 100
 77 172.5 85.4 256.1
 158 97.3 48.8 146.4





#78

n-propylbenzene

Concen: 52.215 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

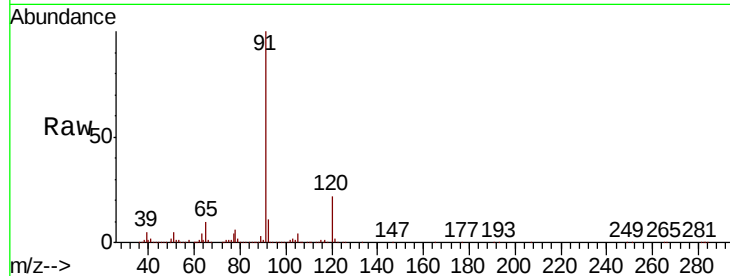
M-16-190410MS

Tot Ion: 91 Resp: 656203

Ion Ratio Lower Upper

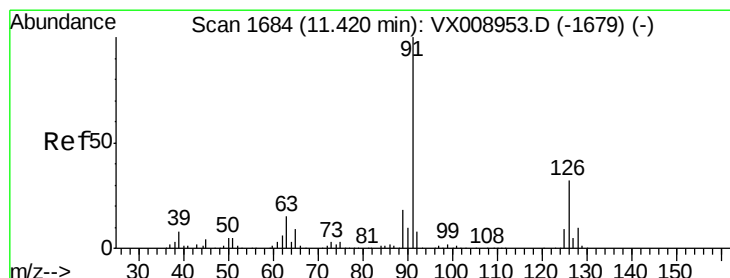
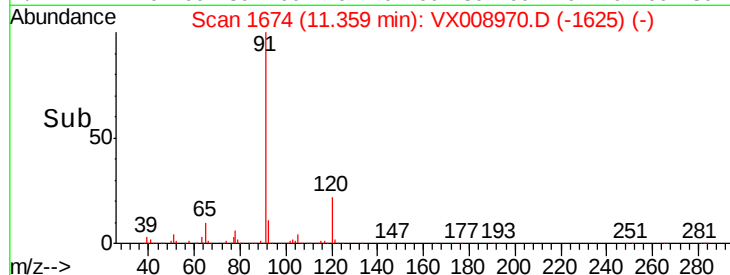
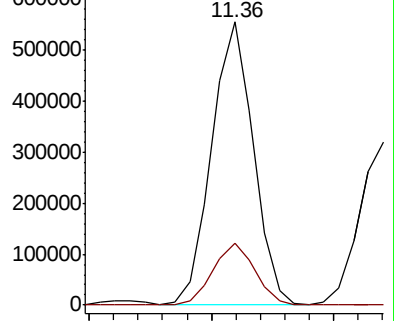
91 100

120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.559 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008970.D

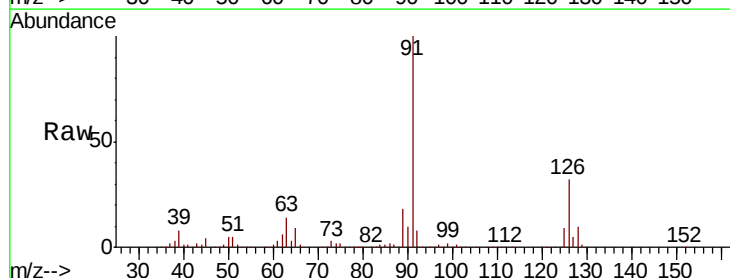
Acq: 15 Apr 2019 19:05

Tgt Ion: 91 Resp: 390456

Ion Ratio Lower Upper

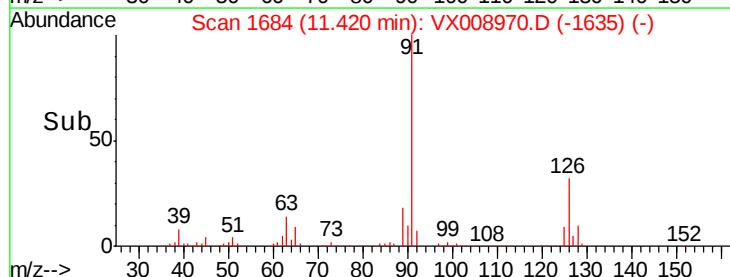
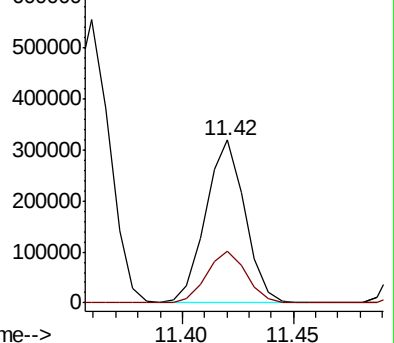
91 100

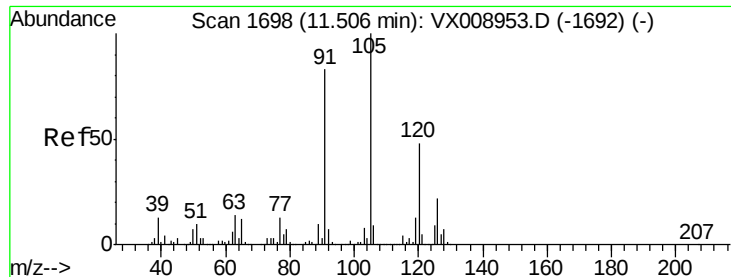
126 32.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

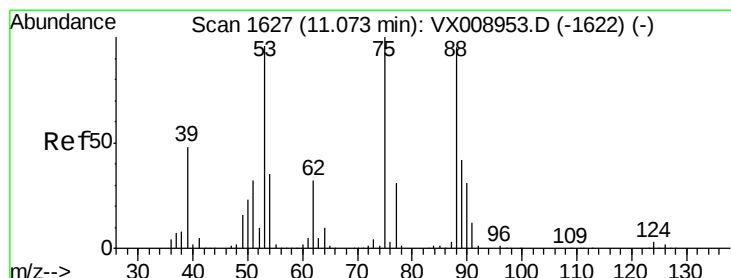
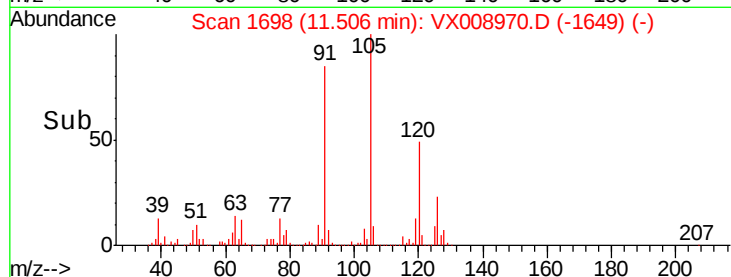
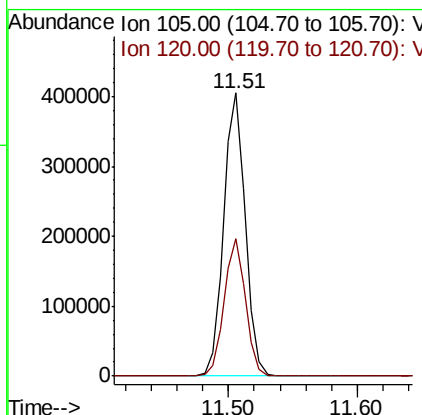
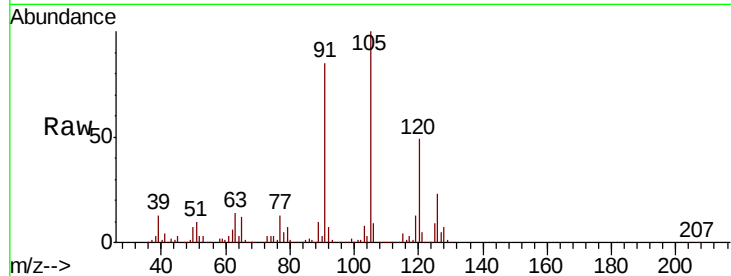




#80
 1,3,5-Trimethylbenzene
 Concen: 52.080 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

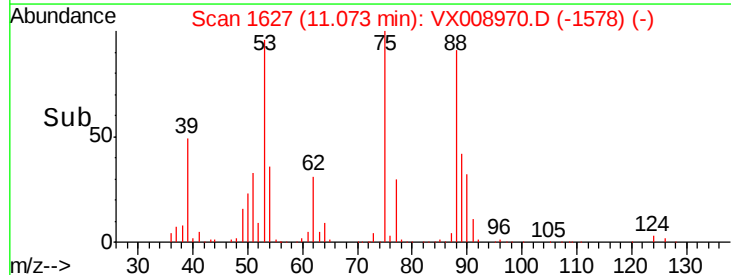
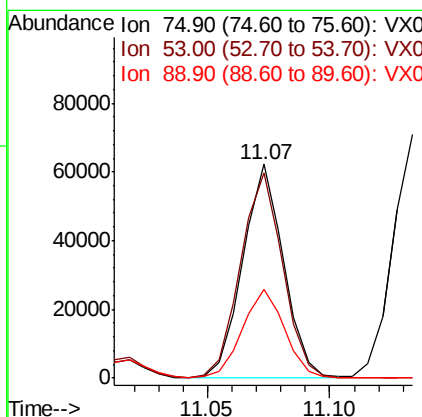
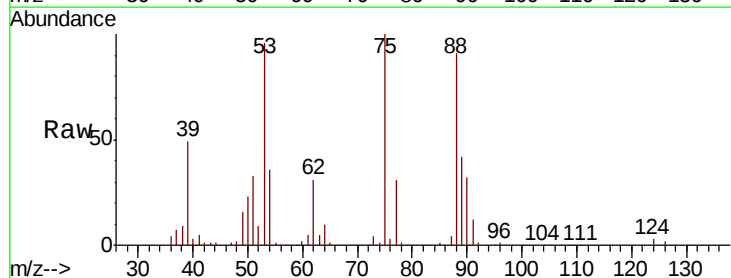
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

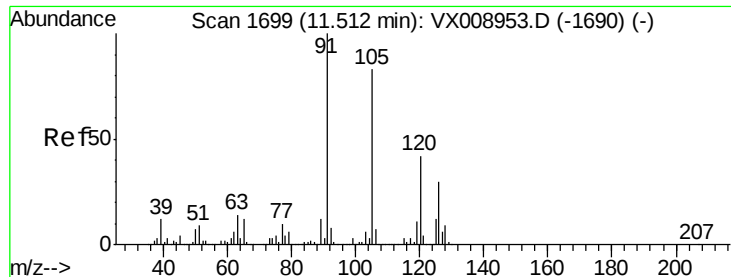
Tot Ion:105 Resp: 478518
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.193 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 75 Resp: 71708
 Ion Ratio Lower Upper
 75 100
 53 99.6 78.2 117.4
 89 43.1 36.0 54.0





#82

4-Chlorotoluene

Concen: 51.328 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

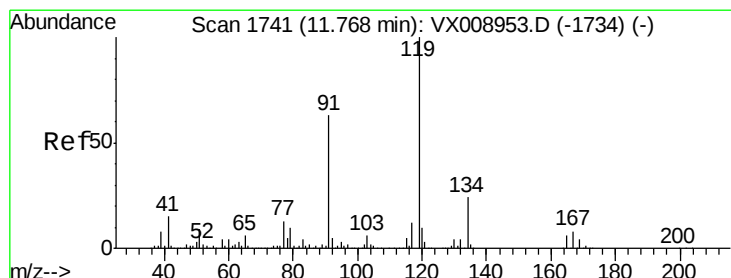
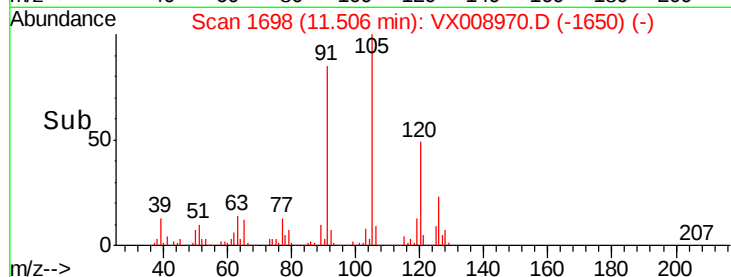
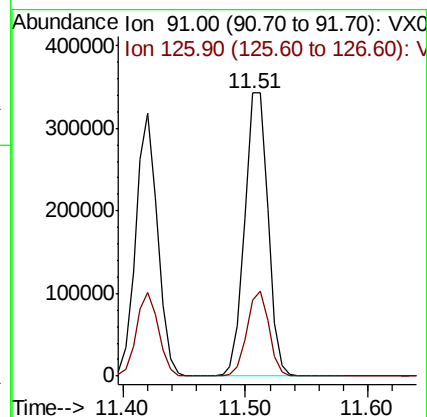
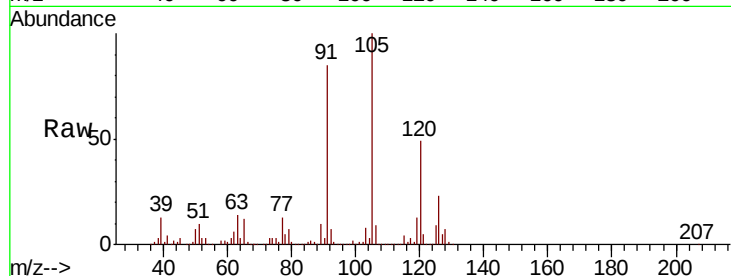
M-16-190410MS

Tot Ion: 91 Resp: 451436

Ion Ratio Lower Upper

91 100

126 28.3 14.3 42.9



#83

tert-Butylbenzene

Concen: 52.045 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

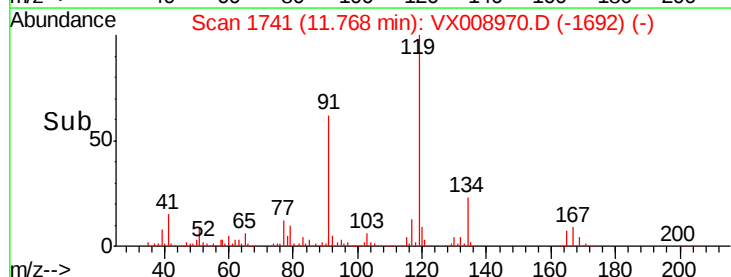
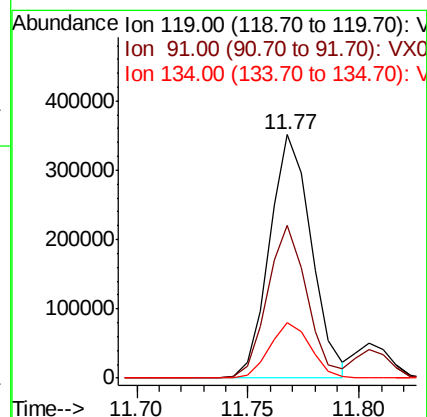
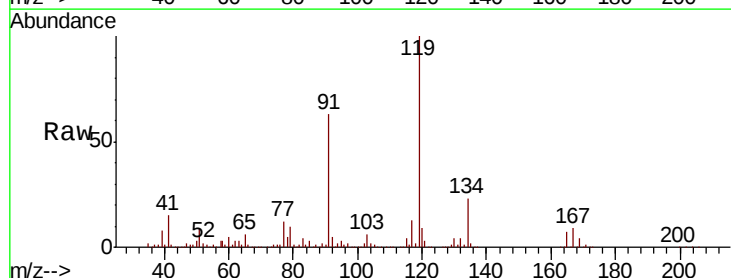
Tgt Ion: 119 Resp: 459113

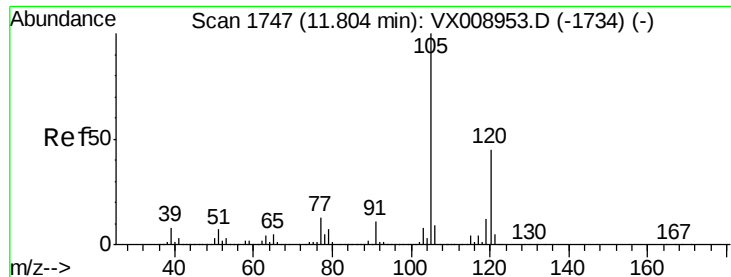
Ion Ratio Lower Upper

119 100

91 59.2 29.7 89.1

134 22.1 11.2 33.5

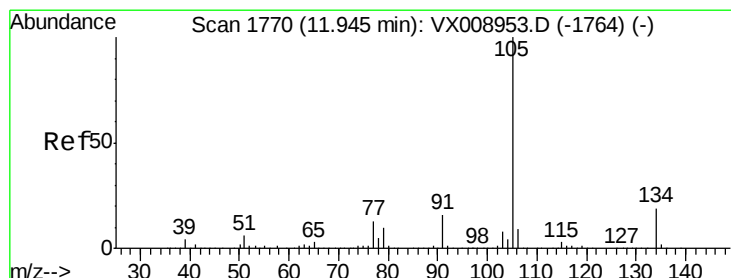
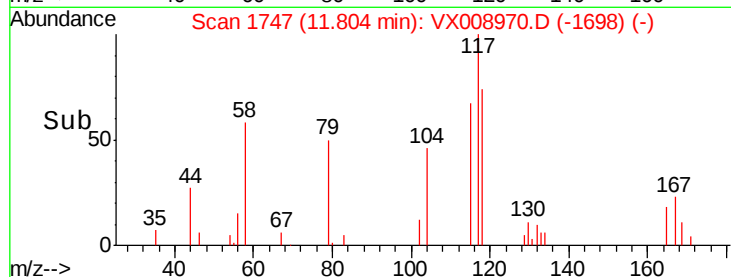
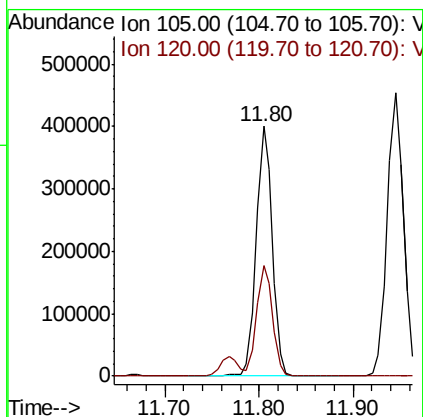
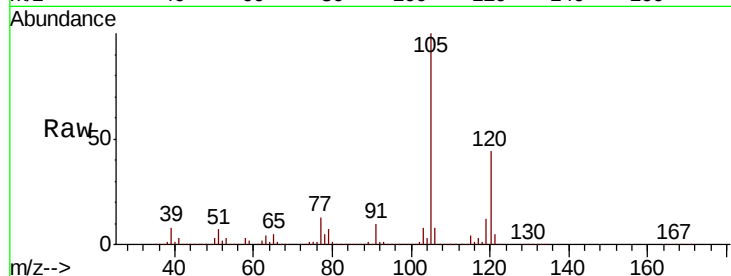




#84
 1,2,4-Trimethylbenzene
 Concen: 51.758 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

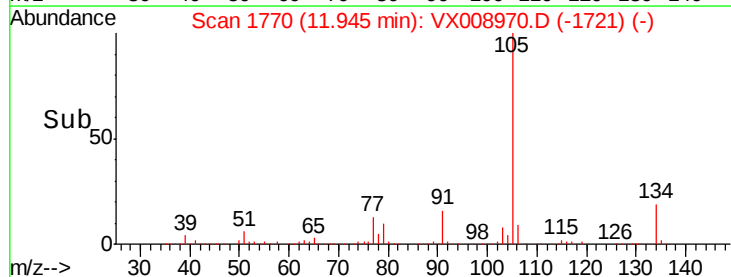
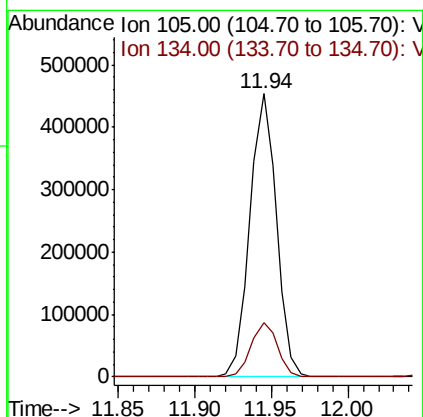
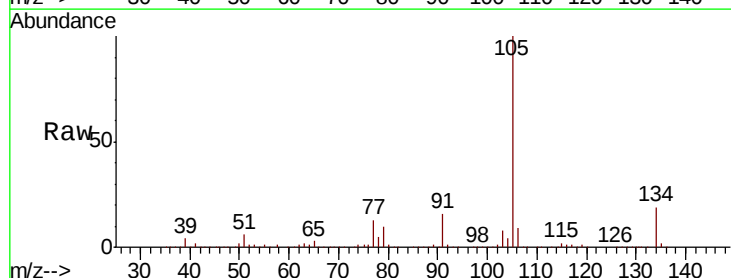
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

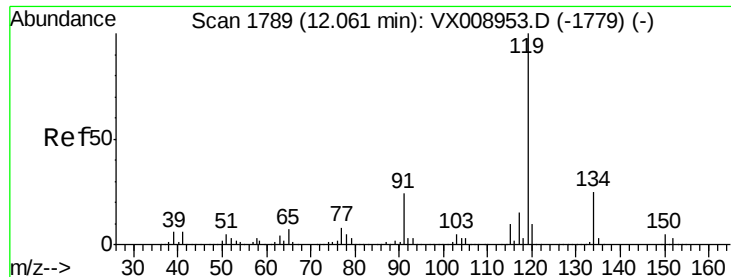
Tot Ion:105 Resp: 484081
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.8



#85
 sec-Butylbenzene
 Concen: 52.000 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion:105 Resp: 547089
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6





#86

p-Isopropyltoluene

Concen: 51.261 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

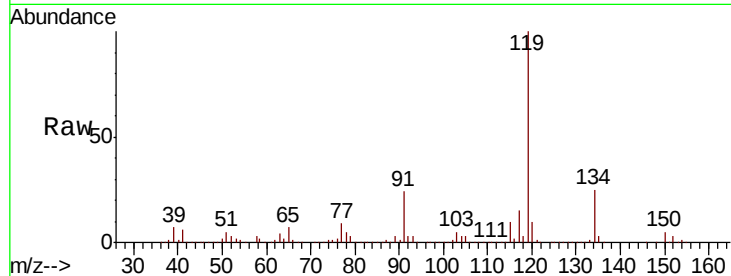
Tot Ion:119 Resp: 495841

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

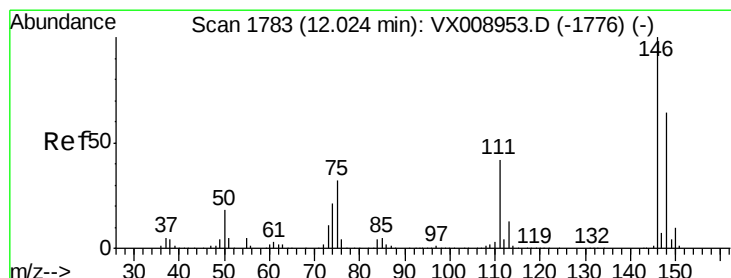
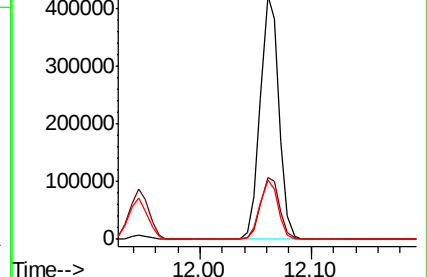
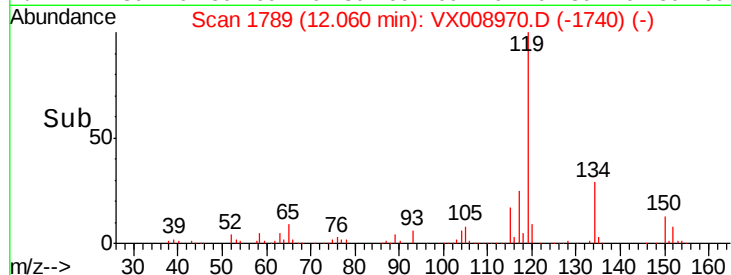
91 23.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



#87

1,3-Dichlorobenzene

Concen: 50.186 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

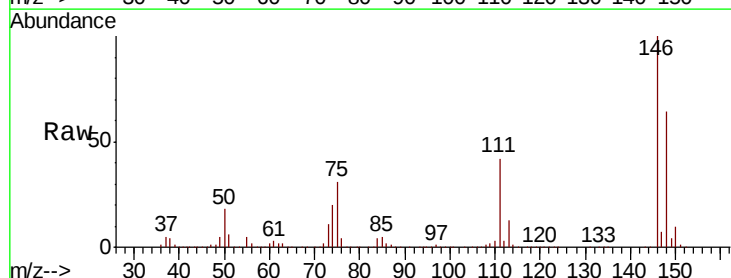
Tgt Ion:146 Resp: 242656

Ion Ratio Lower Upper

146 100

111 40.6 20.5 61.6

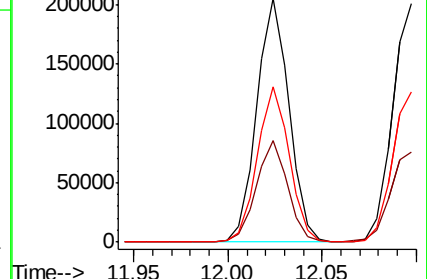
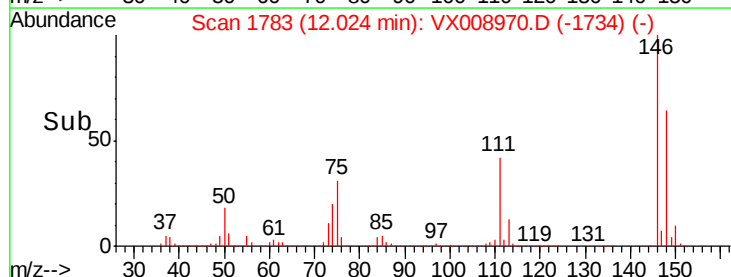
148 63.5 32.2 96.6

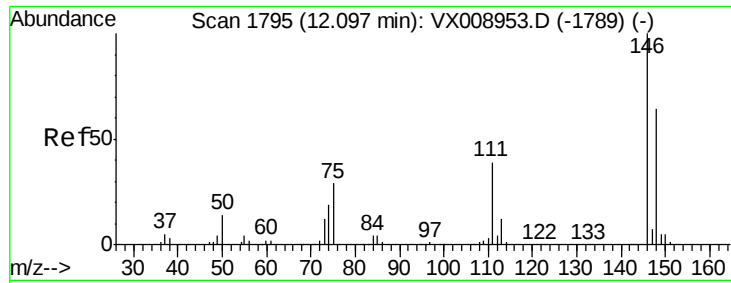


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 48.807 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

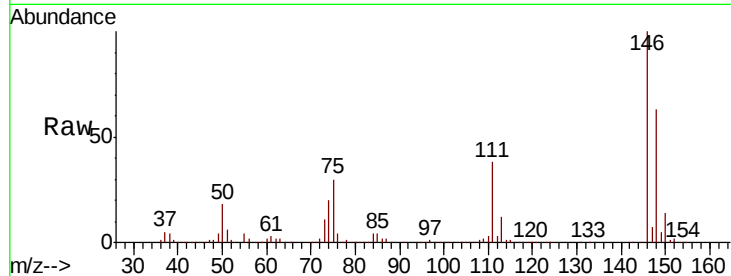
Tot Ion:146 Resp: 239222

Ion Ratio Lower Upper

146 100

111 39.7 20.0 59.9

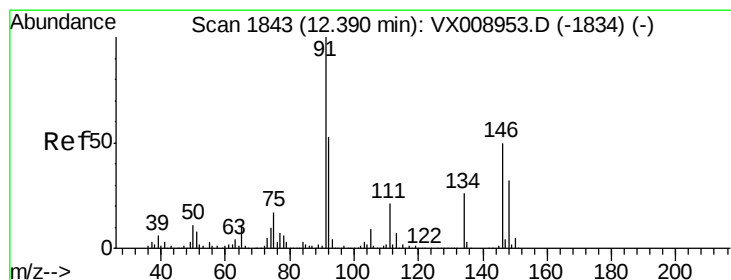
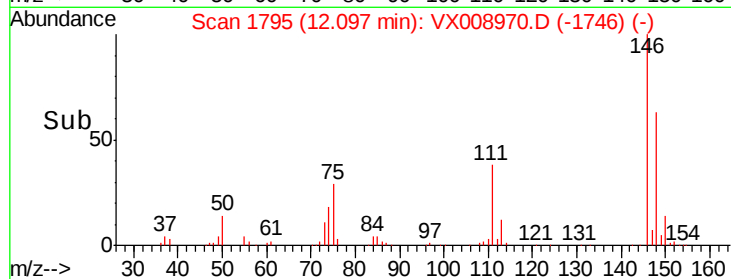
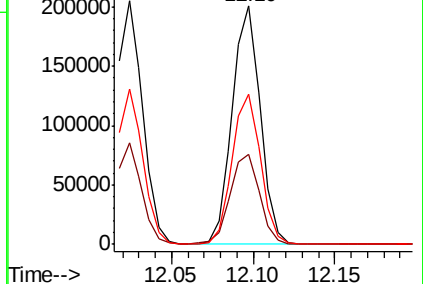
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.852 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

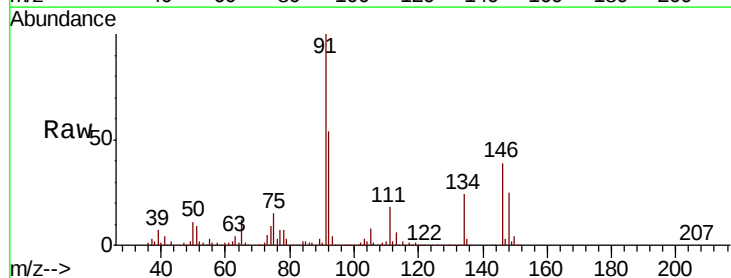
Tgt Ion: 91 Resp: 458095

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.8

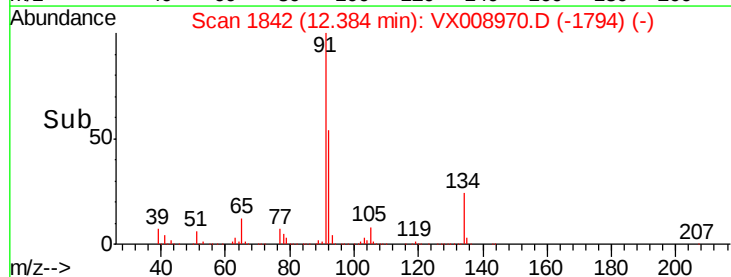
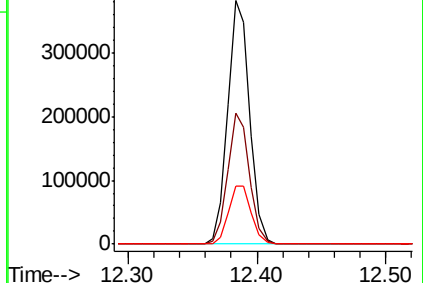
134 24.8 12.4 37.2

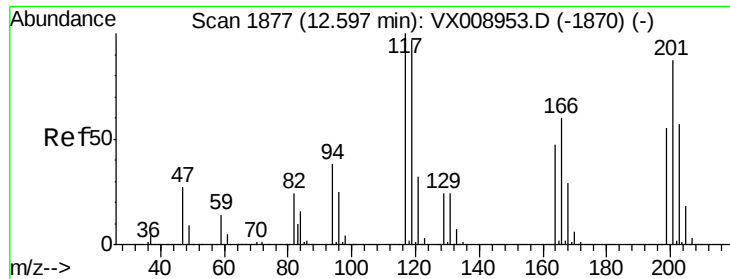


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

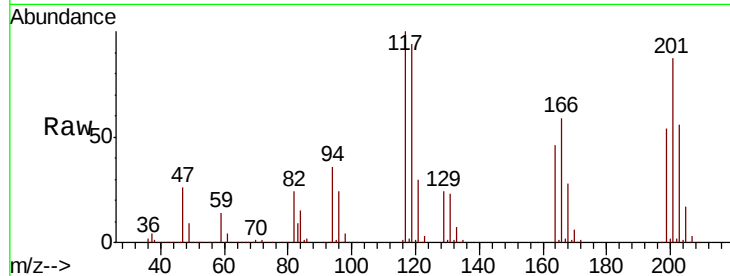




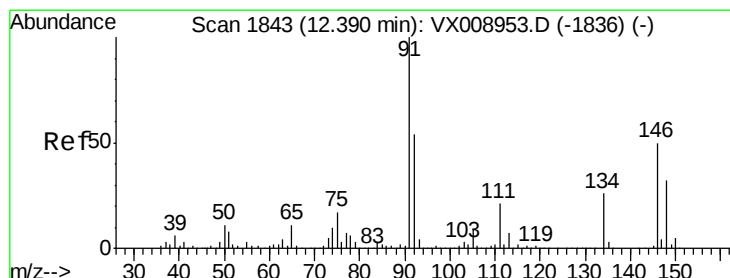
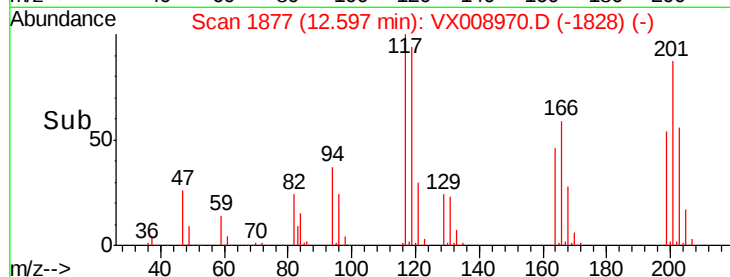
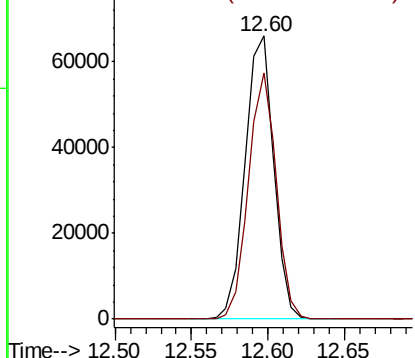
#90
Hexachloroethane
Concen: 53.739 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion:117 Resp: 85745
Ion Ratio Lower Upper
117 100
201 84.4 43.0 129.0

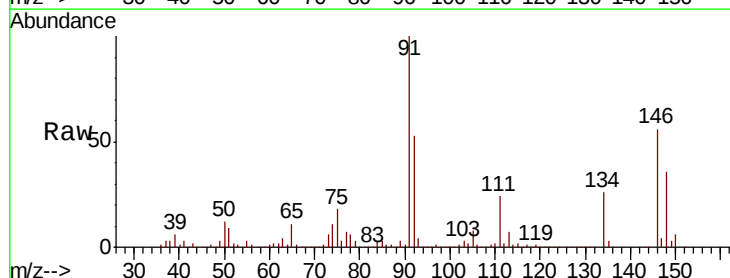


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

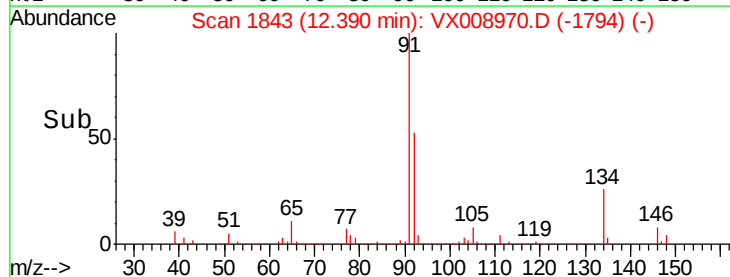
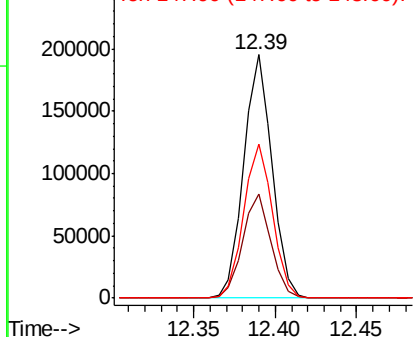


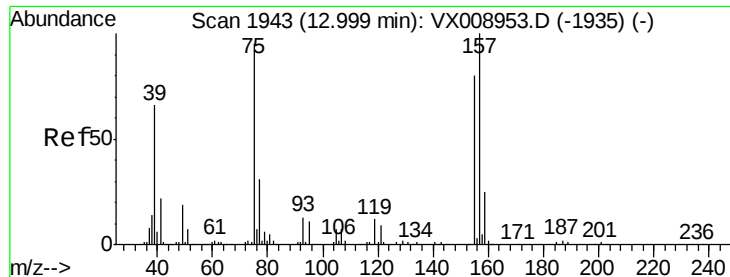
#91
1,2-Dichlorobenzene
Concen: 49.641 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:146 Resp: 237012
Ion Ratio Lower Upper
146 100
111 42.6 20.6 61.9
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.407 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

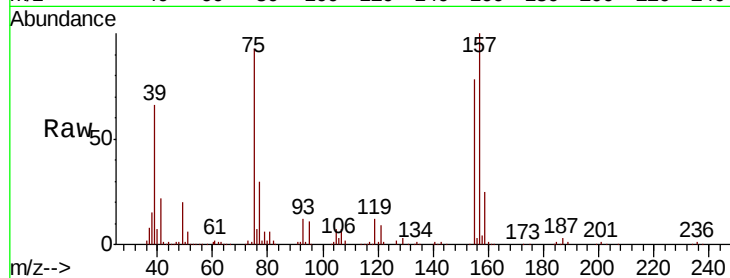
Tot Ion: 75 Resp: 45004

Ion	Ratio	Lower	Upper
75	100		
155	80.9	41.2	123.6
157	103.8	52.5	157.6

75 100

155 80.9 41.2 123.6

157 103.8 52.5 157.6

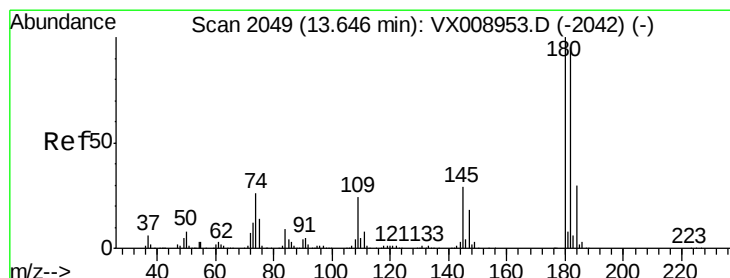
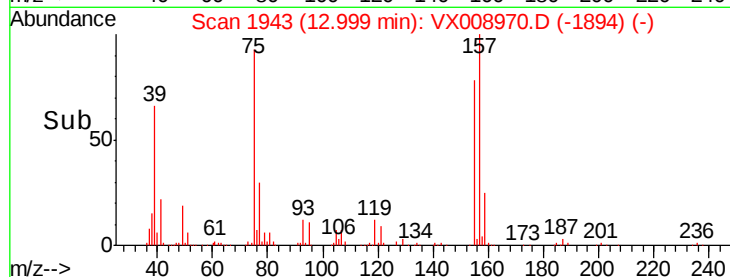
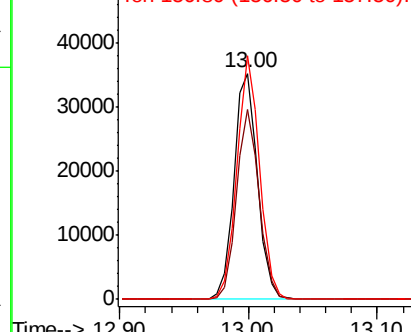


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 48.442 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

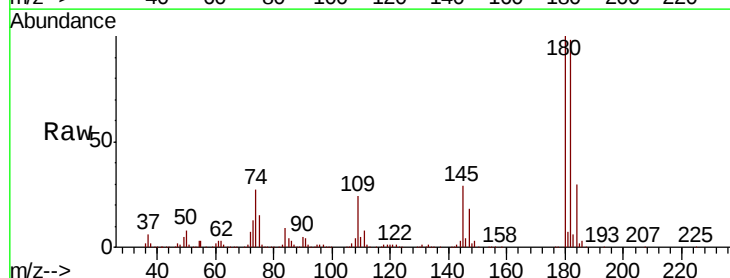
Tgt Ion:180 Resp: 166958

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.9
145	29.4	14.8	44.4

180 100

182 96.0 47.6 142.9

145 29.4 14.8 44.4

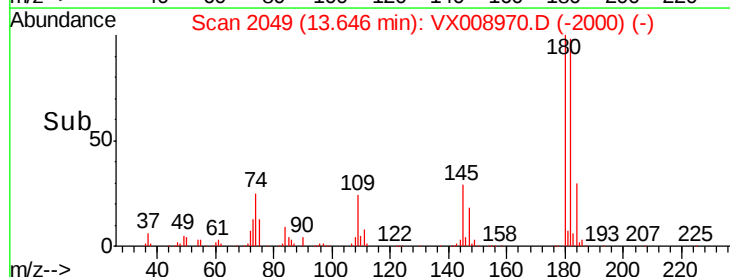
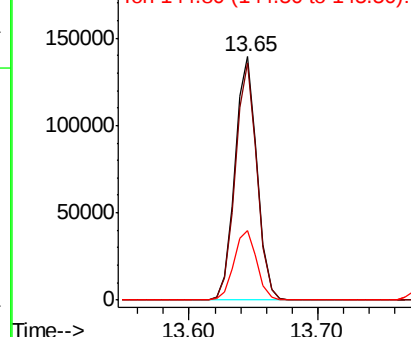


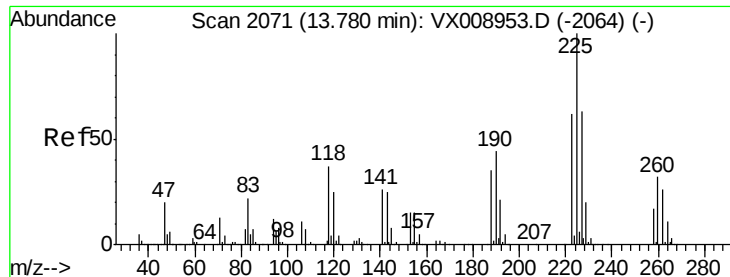
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.264 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

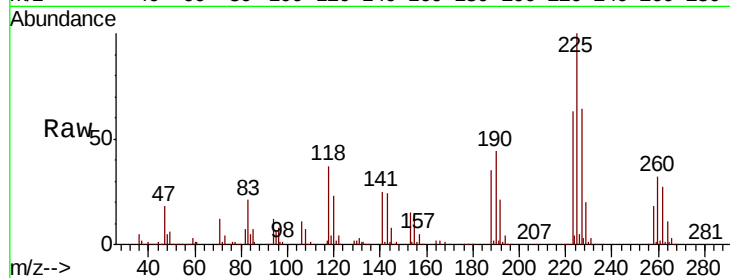
Tot Ion:225 Resp: 82965

Ion Ratio Lower Upper

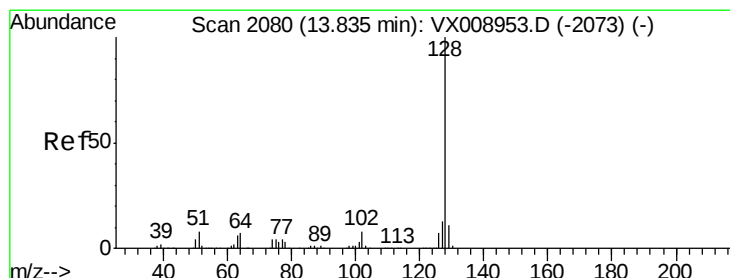
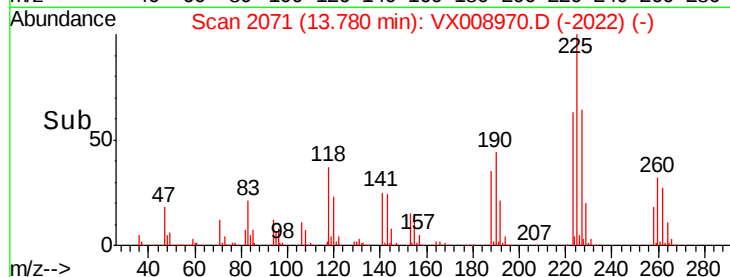
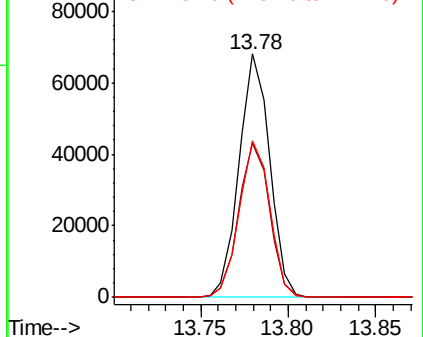
225 100

223 63.8 31.1 93.2

227 64.4 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 49.597 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

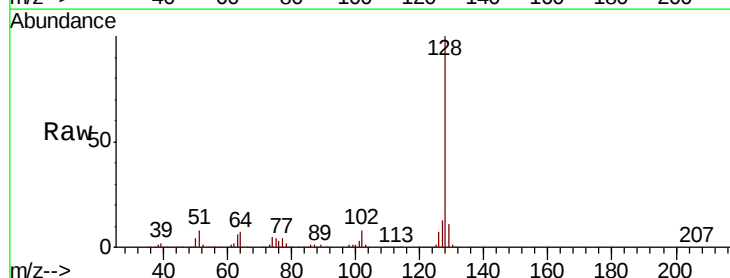
Tgt Ion:128 Resp: 547662

Ion Ratio Lower Upper

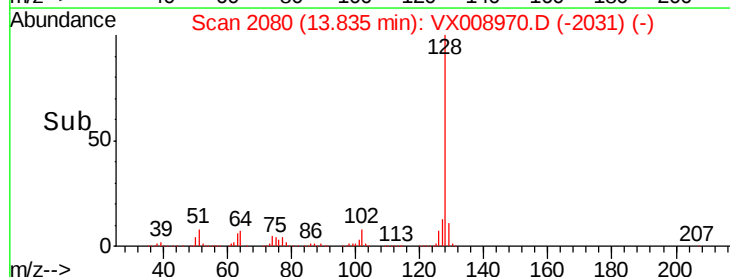
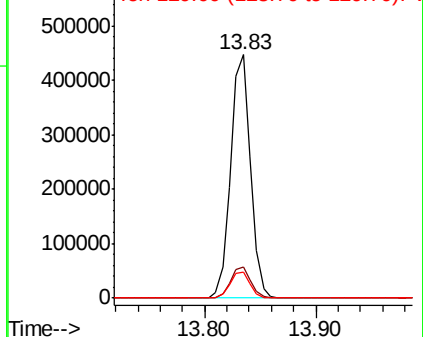
128 100

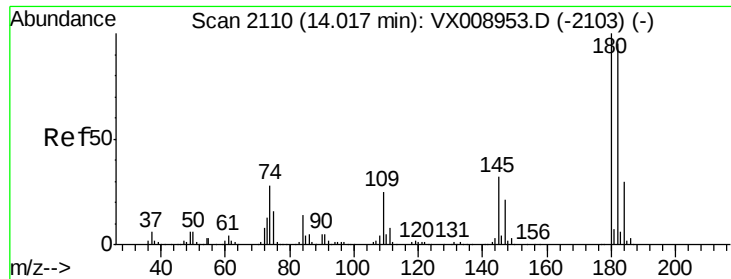
127 13.1 10.6 16.0

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

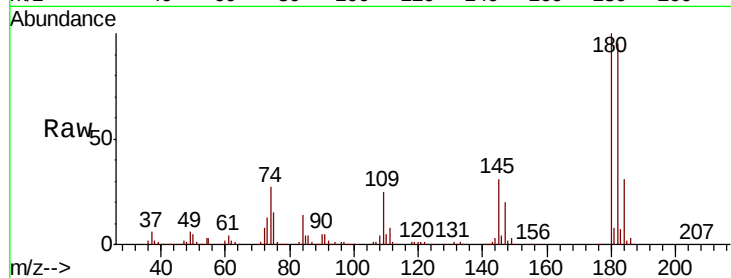




#96
 1,2,3-Trichlorobenzene
 Concen: 48.901 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	31.2	15.8	47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

