

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008960.D
 Acq On : 15 Apr 2019 15:13
 Operator : JC/SP
 Sample : VX0415WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Quant Time: Apr 16 03:22:29 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	5.66	168	251255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	394622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	175842	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	129426	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	8.71	98	538233	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	11.13	95	192447	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64328	22.228	ug/l	99
3) Chloromethane	1.32	50	76244	21.460	ug/l	98
4) Vinyl Chloride	1.41	62	71750	20.749	ug/l	99
5) Bromomethane	1.64	94	41968	21.738	ug/l	99
6) Chloroethane	1.72	64	43250	21.269	ug/l	96
7) Trichlorofluoromethane	1.93	101	84382	20.900	ug/l	99
8) Diethyl Ether	2.18	74	36648	19.848	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52576	20.367	ug/l	99
10) Methyl Iodide	2.51	142	51510	21.054	ug/l	100
11) Tert butyl alcohol	3.04	59	81744	104.002	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51519	19.121	ug/l	97
13) Acrolein	2.29	56	48251	71.049	ug/l	97
14) Allyl chloride	2.73	41	122199	20.788	ug/l	99
15) Acrylonitrile	3.14	53	202492	101.489	ug/l	100
16) Acetone	2.44	43	181787	99.000	ug/l	97
17) Carbon Disulfide	2.57	76	159937	20.946	ug/l	99
18) Methyl Acetate	2.77	43	87818	19.163	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	195960	20.411	ug/l	99
20) Methylene Chloride	2.85	84	62405	19.873	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	56981	19.827	ug/l	98
22) Diisopropyl ether	3.85	45	239396	20.958	ug/l	91
23) Vinyl Acetate	3.81	43	1060958	105.662	ug/l	99
24) 1,1-Dichloroethane	3.70	63	116685	20.350	ug/l	99
25) 2-Butanone	4.67	43	303086	103.263	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88683	20.633	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	65420	20.049	ug/l	99
28) Bromochloromethane	5.01	49	47040	18.537	ug/l	100
29) Tetrahydrofuran	5.12	42	199119	101.358	ug/l	99
30) Chloroform	5.21	83	104710	20.407	ug/l	100
31) Cyclohexane	5.57	56	118902	21.083	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	87098	20.481	ug/l	99
36) 1,1-Dichloropropene	5.79	75	83502	20.460	ug/l	99
37) Ethyl Acetate	4.83	43	113650	21.641	ug/l	100
38) Carbon Tetrachloride	5.78	117	72657	20.999	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008960.D
 Acq On : 15 Apr 2019 15:13
 Operator : JC/SP
 Sample : VX0415WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Quant Time: Apr 16 03:22:29 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	109135	21.963	ug/l	98
40) Benzene	6.14	78	252690	20.988	ug/l	99
41) Methacrylonitrile	5.04	41	63543	21.082	ug/l	98
42) 1,2-Dichloroethane	6.18	62	90084	21.122	ug/l	99
43) Isopropyl Acetate	6.44	43	178332	21.072	ug/l	100
44) Trichloroethene	7.21	130	60319	20.447	ug/l	97
45) 1,2-Dichloropropane	7.51	63	70603	21.137	ug/l	99
46) Dibromomethane	7.66	93	40197	20.678	ug/l	100
47) Bromodichloromethane	7.90	83	80275	21.055	ug/l	99
48) Methyl methacrylate	7.76	41	90323	21.600	ug/l	99
49) 1,4-Dioxane	7.73	88	33483	427.801	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	583368	108.200	ug/l	100
52) Toluene	8.78	92	152687	21.160	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92876	21.166	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	102931	20.950	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	61389	21.466	ug/l	95
56) Ethyl methacrylate	9.18	69	112048	21.851	ug/l	100
57) 1,3-Dichloropropane	9.37	76	107069	21.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	201359	72.919	ug/l	100
59) 2-Hexanone	9.49	43	454119	109.247	ug/l	99
60) Dibromochloromethane	9.58	129	59163	21.585	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62618	21.215	ug/l	100
64) Tetrachloroethene	9.34	164	56913	21.265	ug/l	97
65) Chlorobenzene	10.13	112	155393	20.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54830	20.931	ug/l	100
67) Ethyl Benzene	10.25	91	292866	21.545	ug/l	99
68) m/p-Xylenes	10.35	106	210727	42.656	ug/l	99
69) o-Xylene	10.69	106	101325	21.079	ug/l	97
70) Styrene	10.71	104	179136	21.505	ug/l	100
71) Bromoform	10.85	173	43437	20.813	ug/l #	99
73) Isopropylbenzene	11.02	105	277986	21.877	ug/l	100
74) N-amyl acetate	10.90	43	155869	21.364	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	97839	21.074	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	116880	28.554	ug/l	80
77) Bromobenzene	11.25	156	67314	20.997	ug/l	99
78) n-propylbenzene	11.36	91	320762	21.994	ug/l	100
79) 2-Chlorotoluene	11.42	91	189675	21.582	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234625	22.004	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	33130	20.779	ug/l	94
82) 4-Chlorotoluene	11.51	91	218231	21.381	ug/l	100
83) tert-Butylbenzene	11.77	119	220225	21.512	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	233606	21.523	ug/l	100
85) sec-Butylbenzene	11.94	105	271019	22.197	ug/l	100
86) p-Isopropyltoluene	12.06	119	246898	21.995	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	119369	21.274	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	119864	21.073	ug/l	99
89) n-Butylbenzene	12.38	91	230891	22.086	ug/l	99
90) Hexachloroethane	12.60	117	40129	21.672	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	116025	20.940	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21603	20.437	ug/l	97

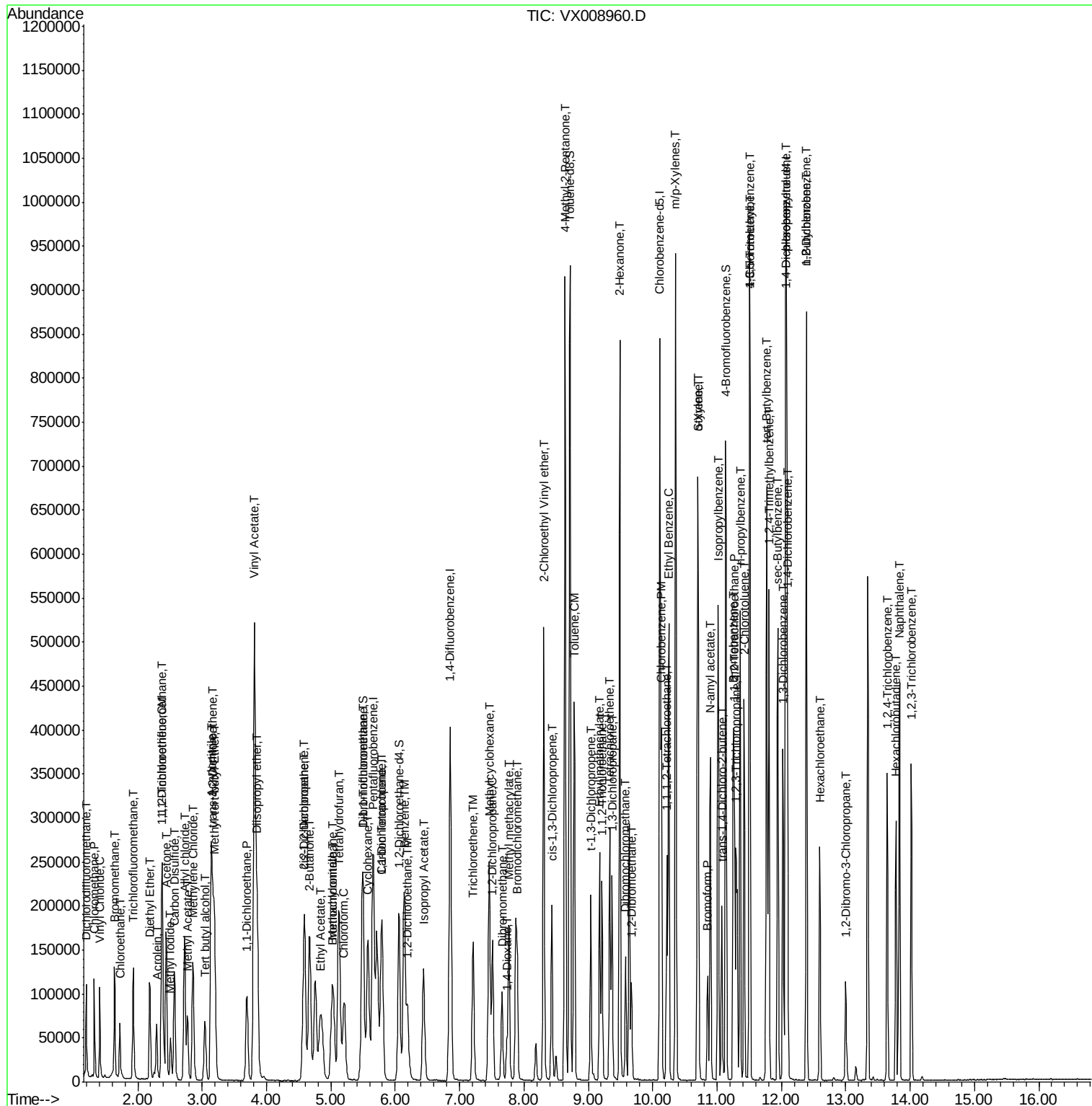
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041519\
Data File : VX008960.D
Acq On : 15 Apr 2019 15:13
Operator : JC/SP
Sample : VX0415WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

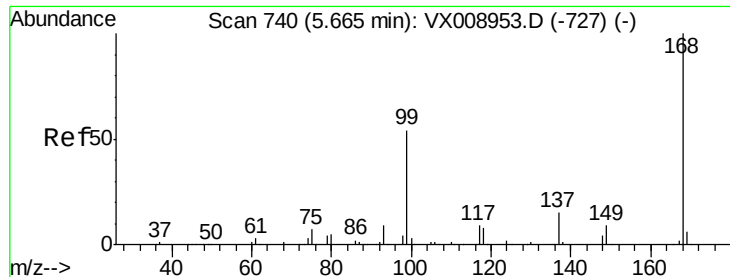
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Quant Time: Apr 16 03:22:29 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85217	21.306	ug/l	99
94) Hexachlorobutadiene	13.78	225	43515	21.813	ug/l	99
95) Naphthalene	13.83	128	266402	20.789	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	83889	21.257	ug/l	100

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

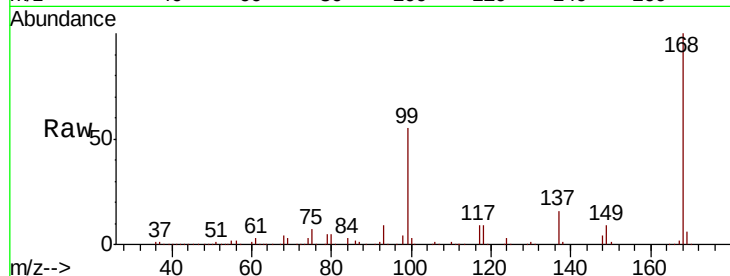
VX0415WBS01

Tot Ion:168 Resp: 251255

Ion Ratio Lower Upper

168 100

99 54.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

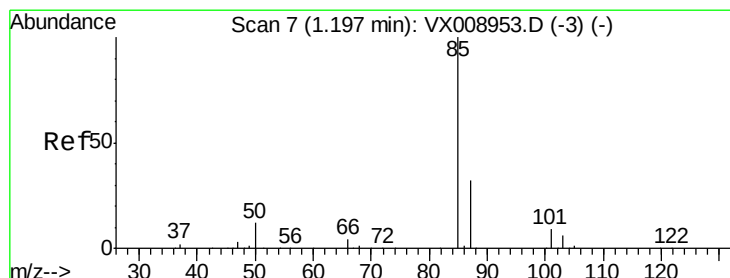
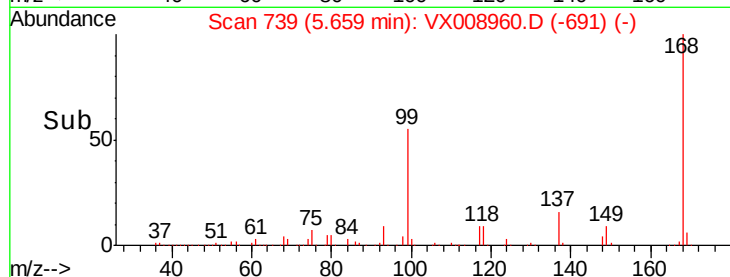
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.228 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008960.D

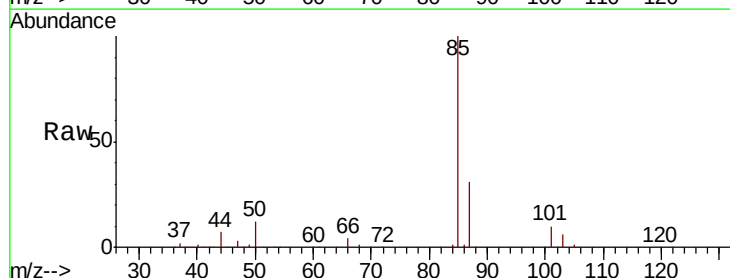
Acq: 15 Apr 2019 15:13

Tgt Ion: 85 Resp: 64328

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

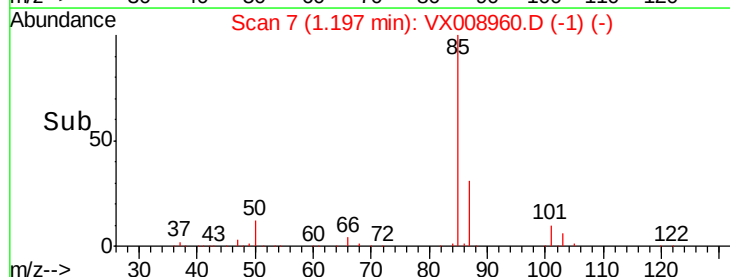
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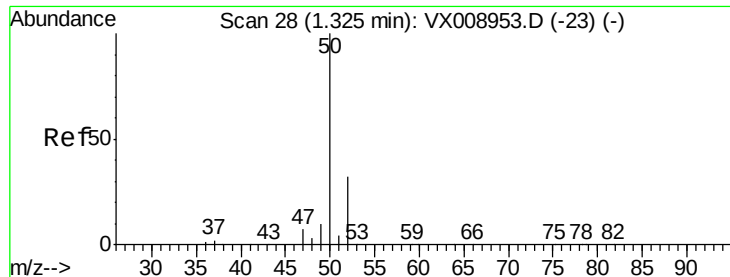
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.460 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

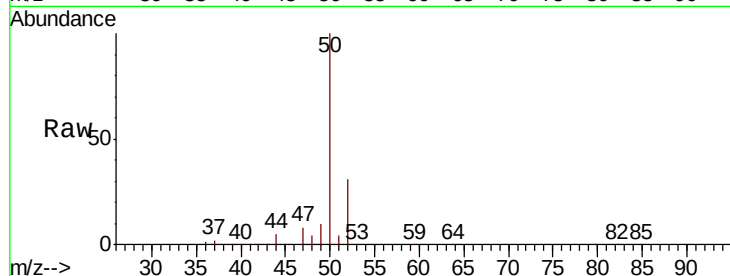
VX0415WBS01

Tot Ion: 50 Resp: 76244

Ion Ratio Lower Upper

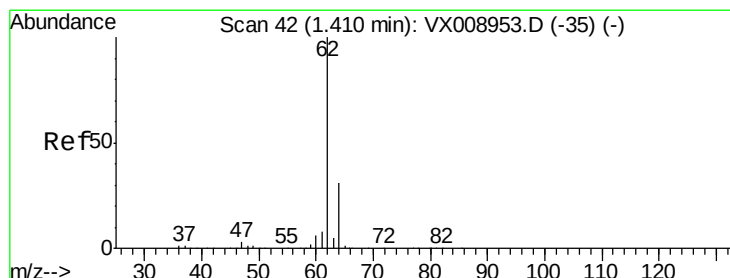
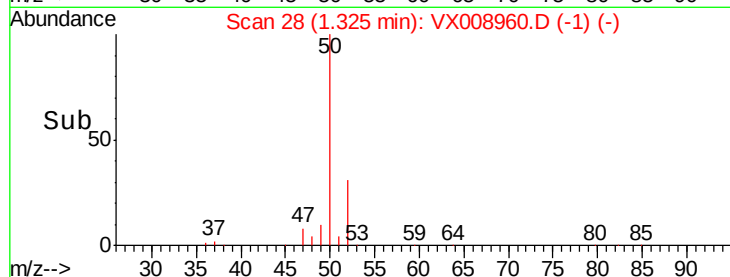
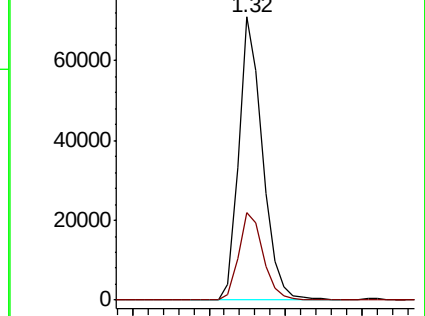
50 100

52 30.8 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: 20.749 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008960.D

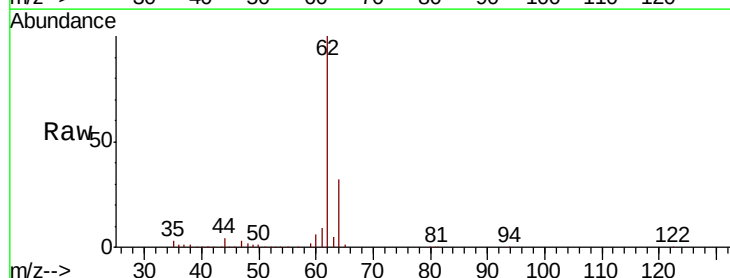
Acq: 15 Apr 2019 15:13

Tgt Ion: 62 Resp: 71750

Ion Ratio Lower Upper

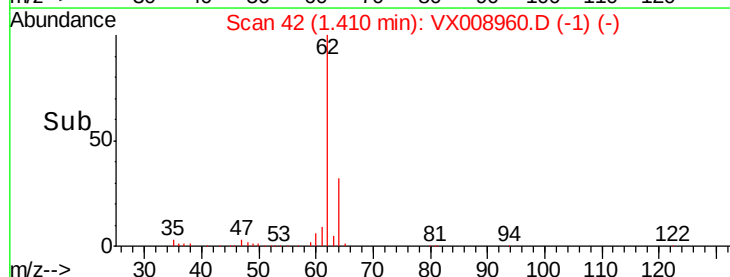
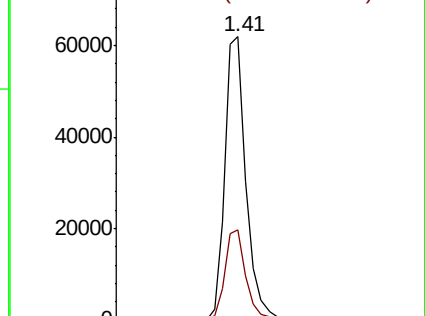
62 100

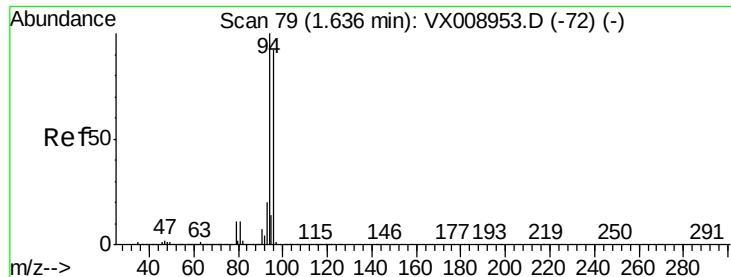
64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.738 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

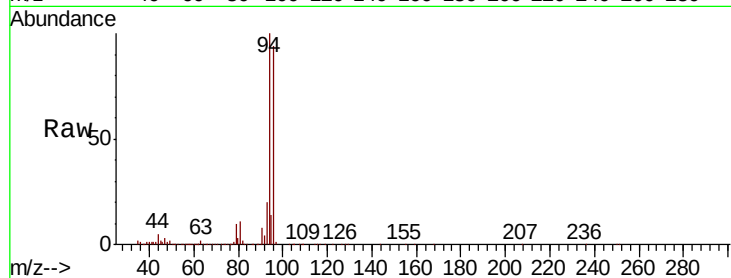
VX0415WBS01

Tot Ion: 94 Resp: 41968

Ion Ratio Lower Upper

94 100

96 93.7 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

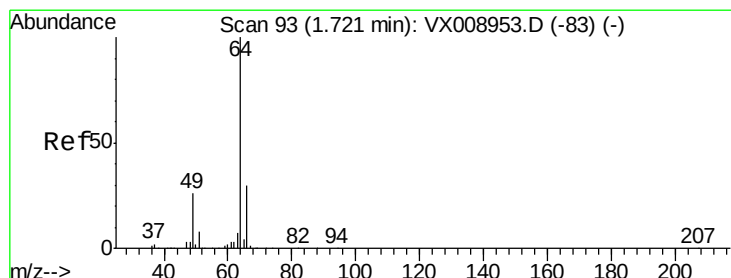
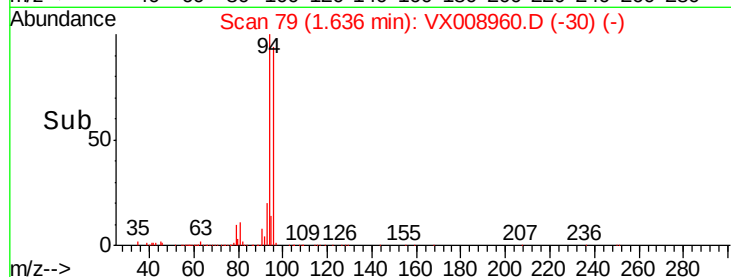
20000

10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 21.269 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008960.D

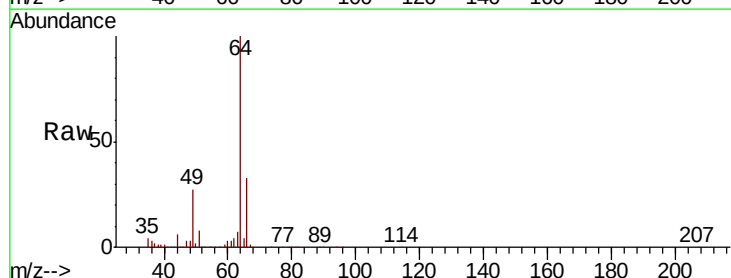
Acq: 15 Apr 2019 15:13

Tgt Ion: 64 Resp: 43250

Ion Ratio Lower Upper

64 100

66 32.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

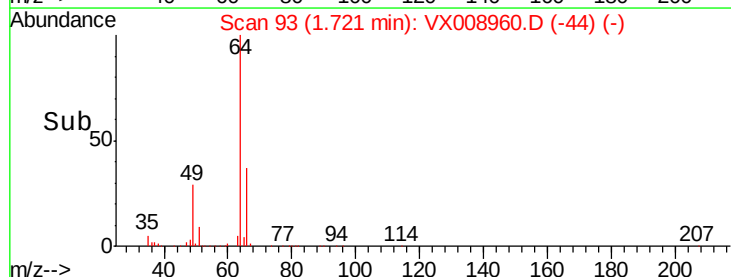
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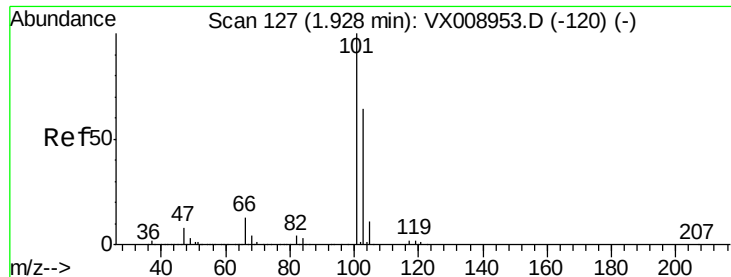
10000

0

Time-->

1.65 1.70 1.75 1.80 1.85



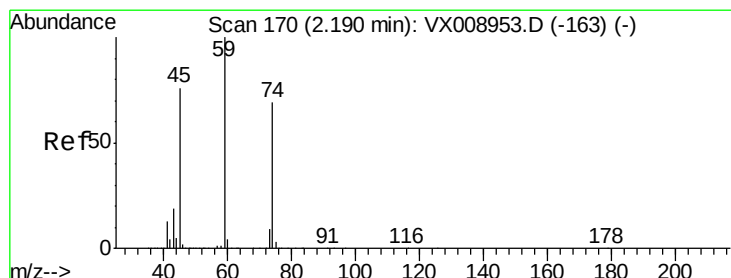
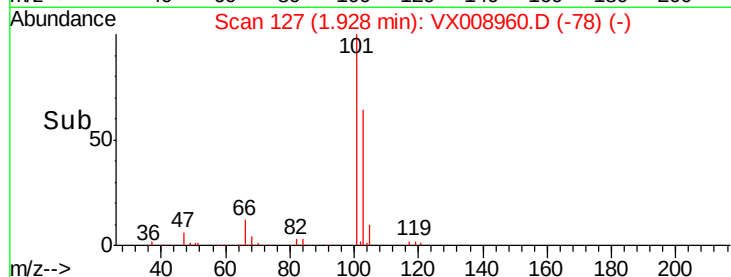
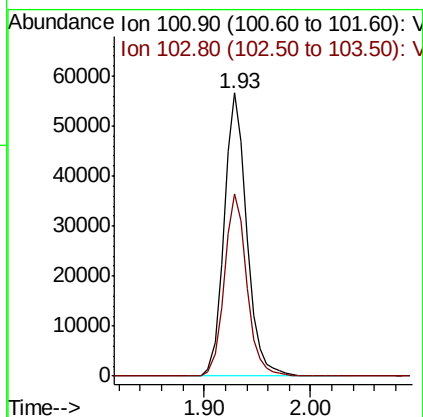
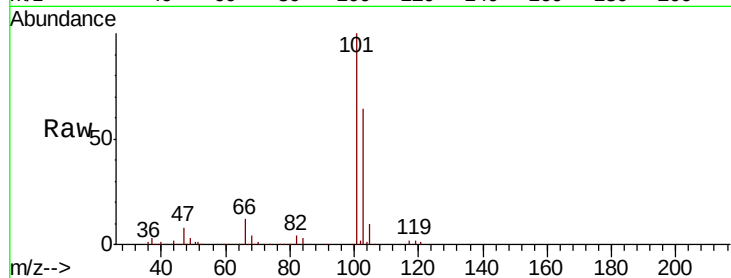


#7

Trichlorofluoromethane
Concen: 20.900 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

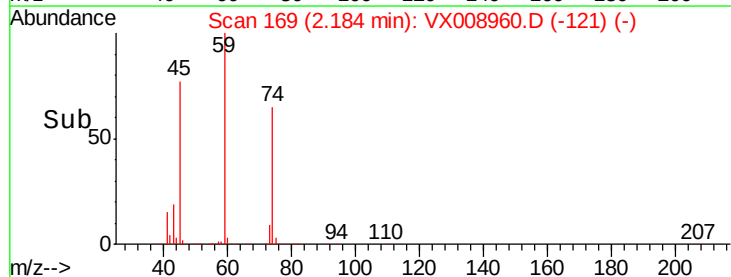
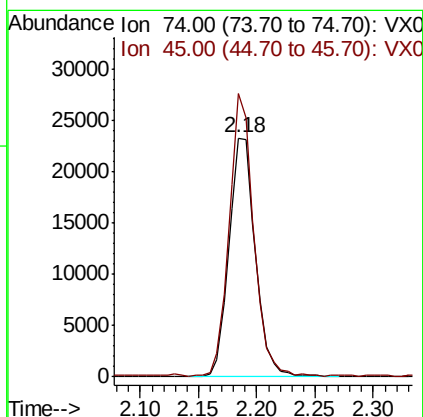
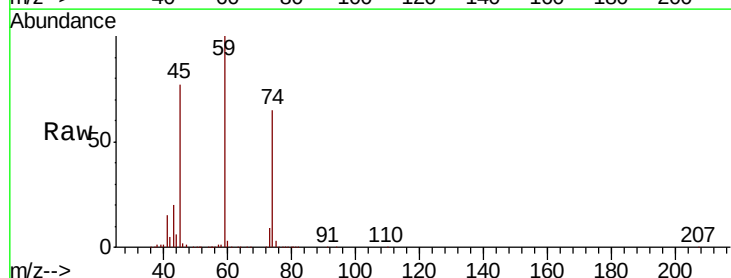
Tot Ion:101 Resp: 84382
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

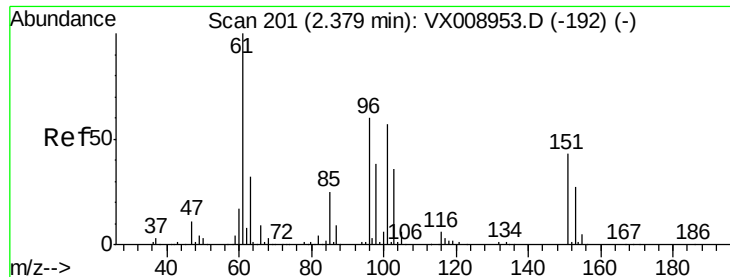


#8

Diethyl Ether
Concen: 19.848 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 74 Resp: 36648
Ion Ratio Lower Upper
74 100
45 110.3 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.367 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

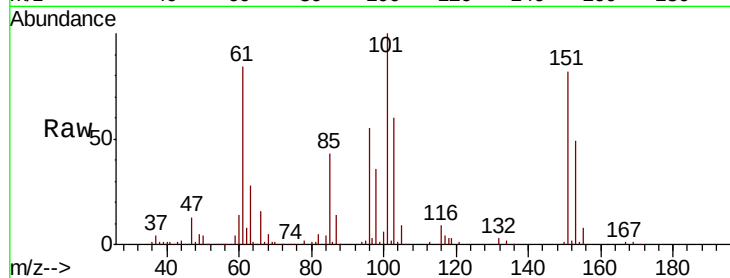
Tot Ion:101 Resp: 52576

Ion Ratio Lower Upper

101 100

85 43.6 35.7 53.5

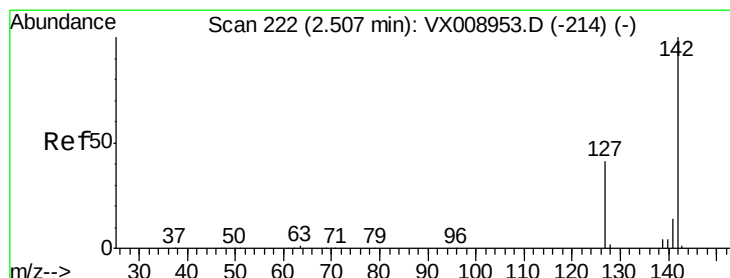
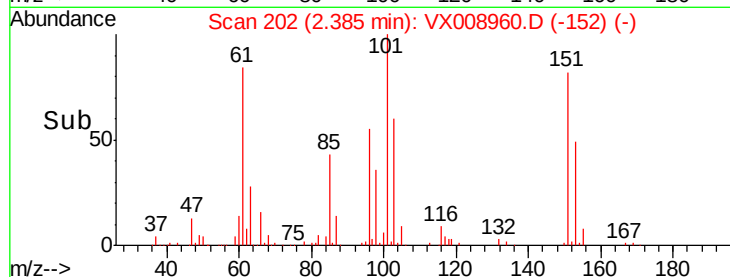
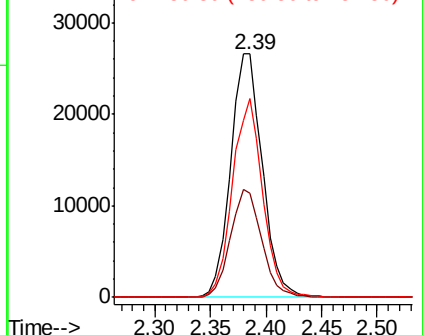
151 77.7 62.7 94.1



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: 21.054 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

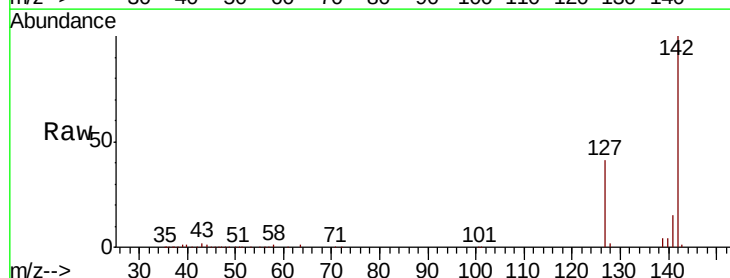
Tgt Ion:142 Resp: 51510

Ion Ratio Lower Upper

142 100

127 40.7 32.8 49.2

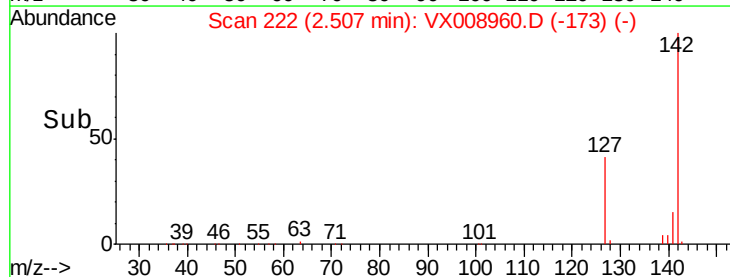
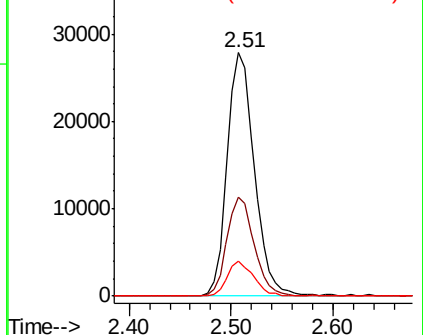
141 14.2 11.4 17.2

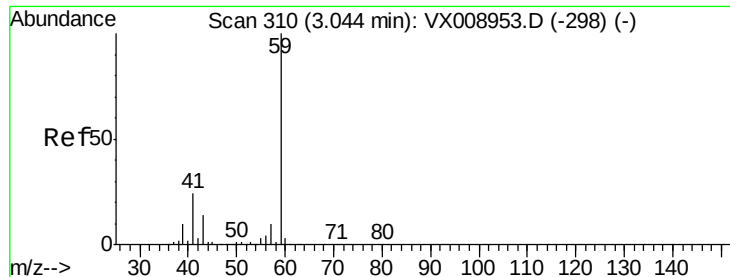


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

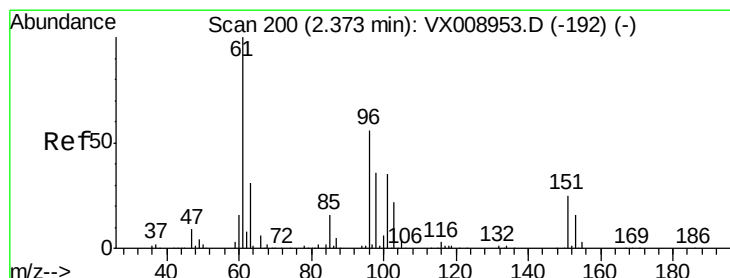
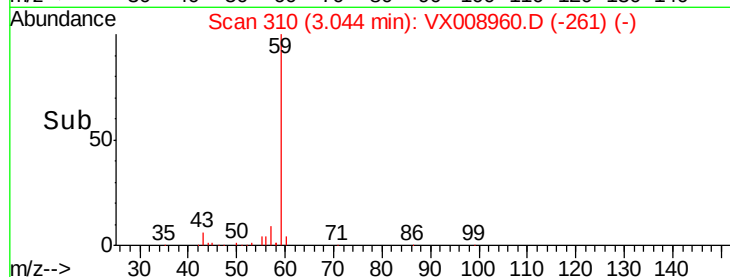
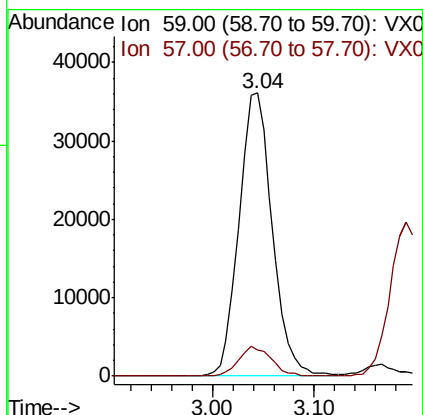
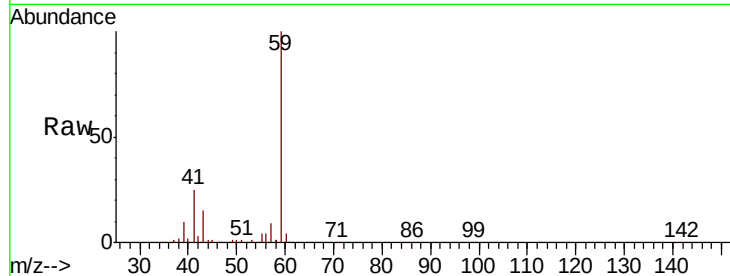




#11
Tert butyl alcohol
Concen: 104.002 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

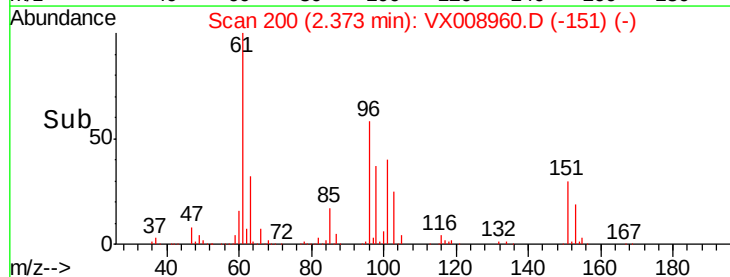
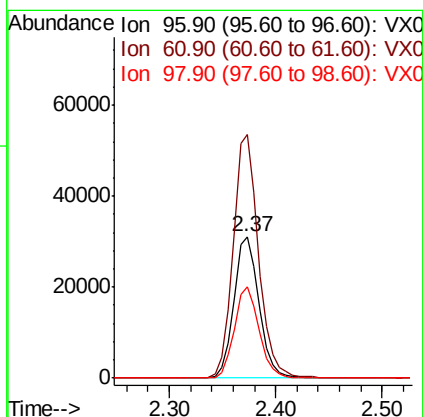
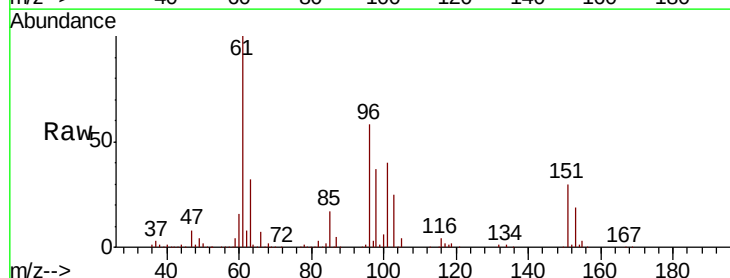
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

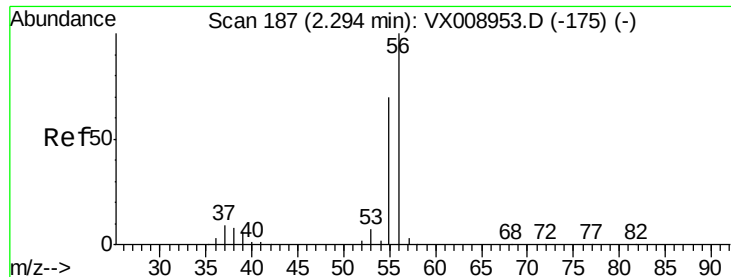
Tot Ion: 59 Resp: 81744
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 19.121 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 96 Resp: 51519
Ion Ratio Lower Upper
96 100
61 171.7 142.2 213.2
98 64.0 50.9 76.3





#13

Acrolein

Concen: 71.049 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

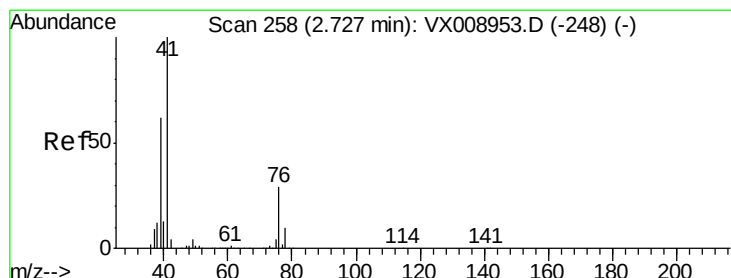
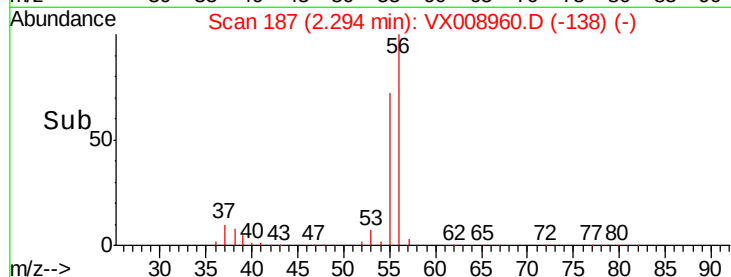
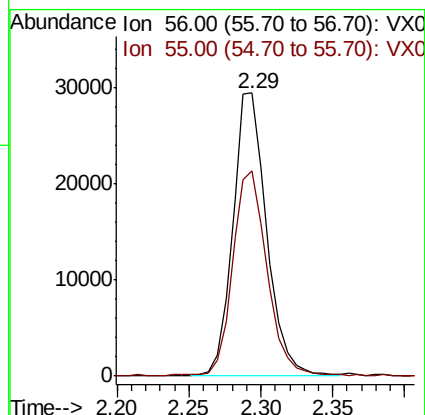
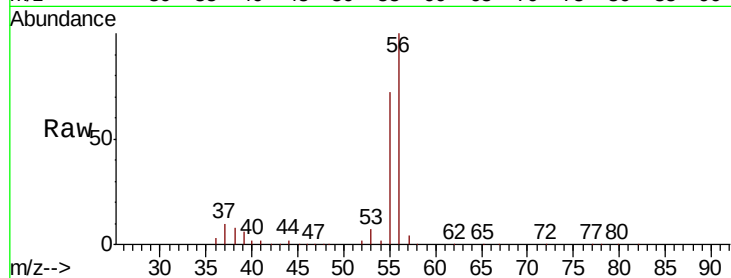
VX0415WBS01

Tot Ion: 56 Resp: 48251

Ion Ratio Lower Upper

56 100

55 73.0 56.6 84.8



#14

Allyl chloride

Concen: 20.788 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

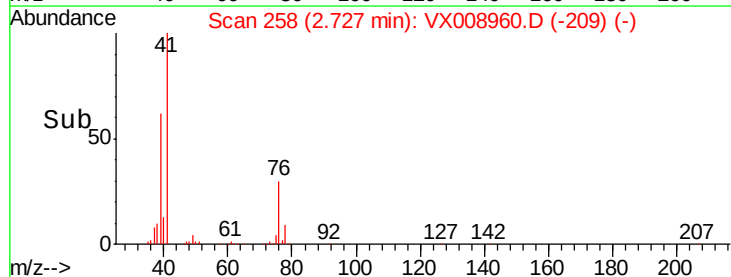
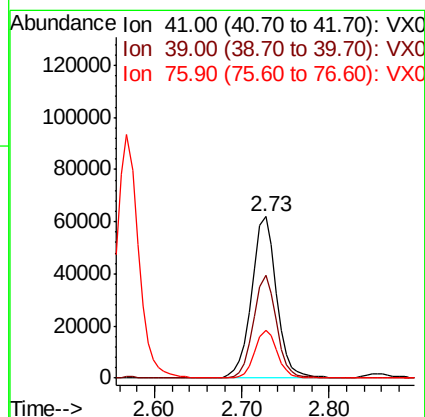
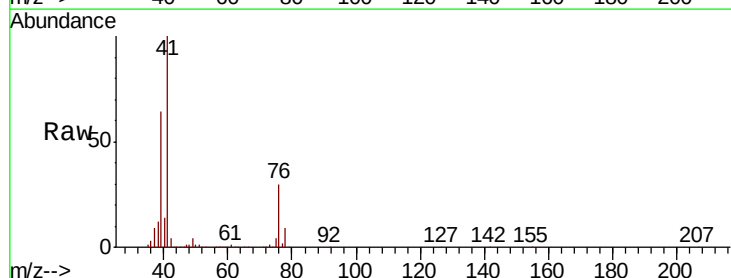
Tgt Ion: 41 Resp: 122199

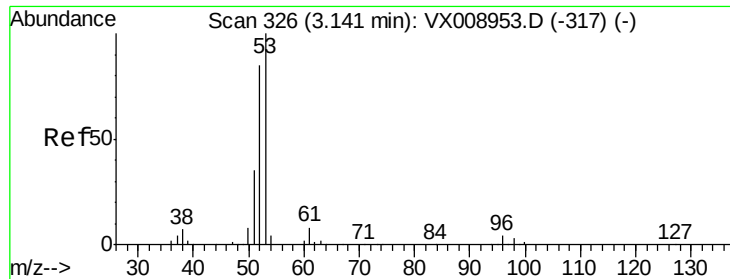
Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 27.0 22.0 33.0





#15

Acrylonitrile

Concen: 101.489 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

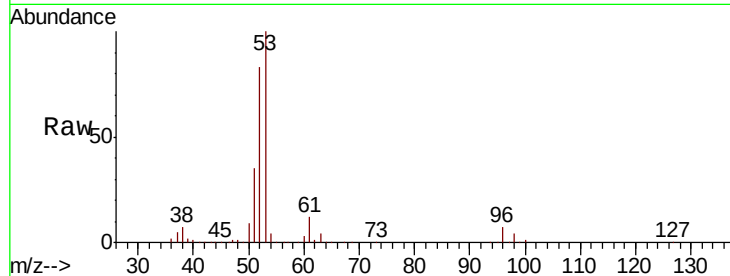
Tot Ion: 53 Resp: 202492

Ion Ratio Lower Upper

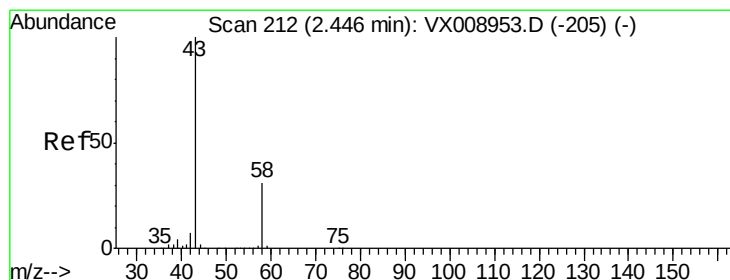
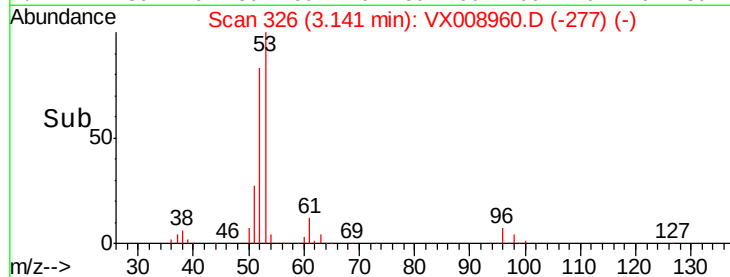
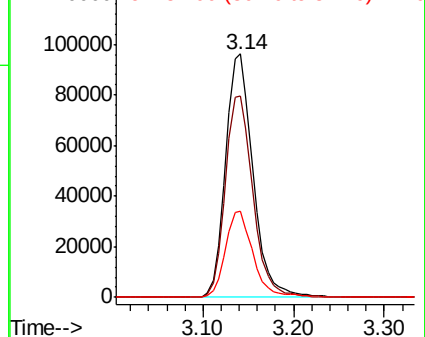
53 100

52 83.5 66.6 100.0

51 35.9 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: 99.000 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008960.D

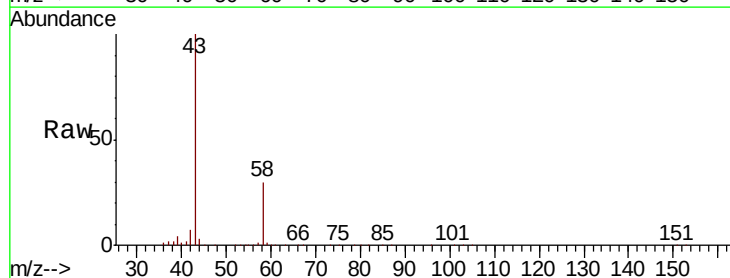
Acq: 15 Apr 2019 15:13

Tgt Ion: 43 Resp: 181787

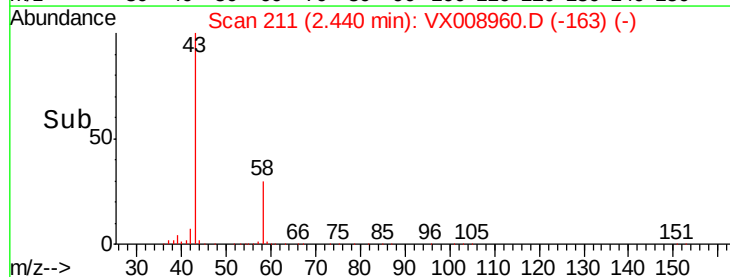
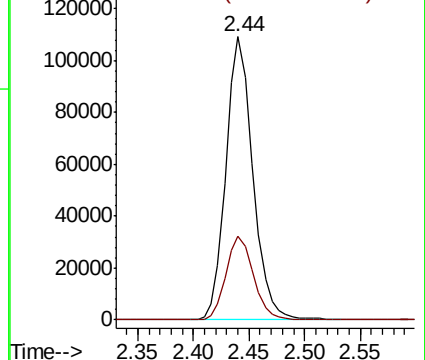
Ion Ratio Lower Upper

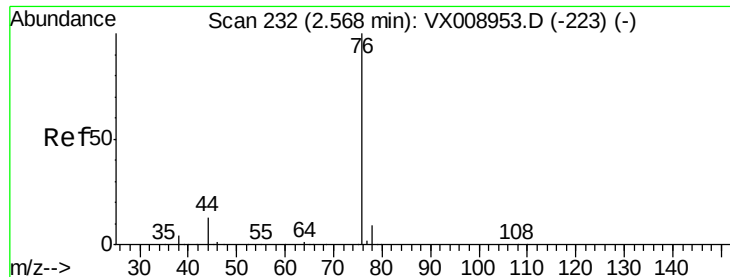
43 100

58 29.6 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: 20.946 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampled :

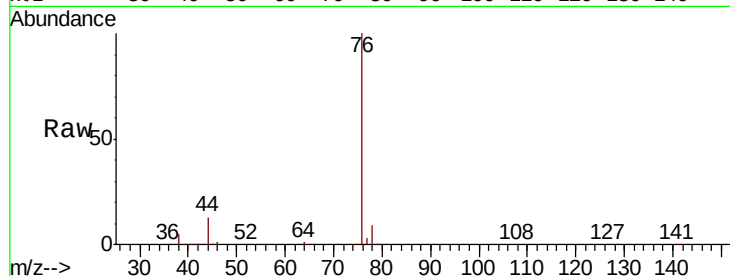
VX0415WBS01

Tot Ion: 76 Resp: 159937

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

60000

40000

20000

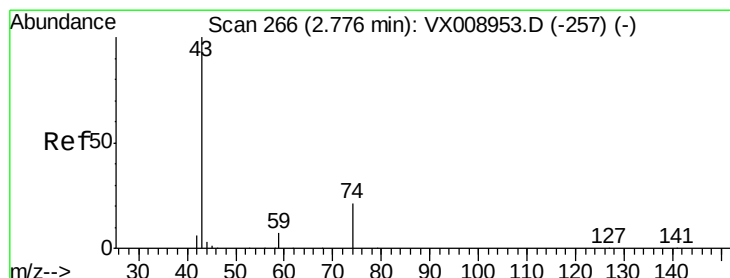
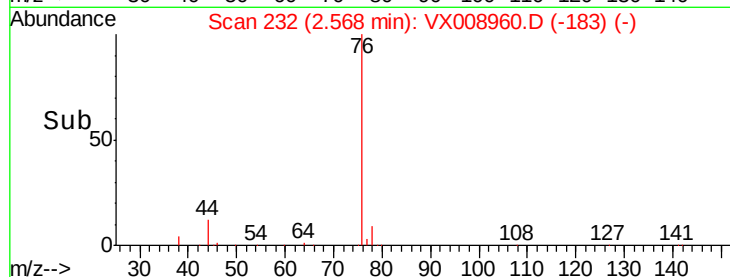
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 19.163 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008960.D

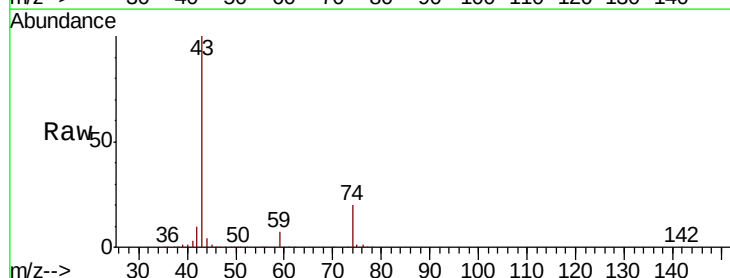
Acq: 15 Apr 2019 15:13

Tgt Ion: 43 Resp: 87818

Ion Ratio Lower Upper

43 100

74 21.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

50000

40000

30000

20000

10000

0

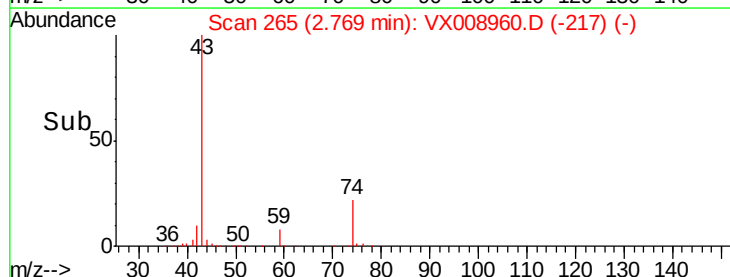
Time-->

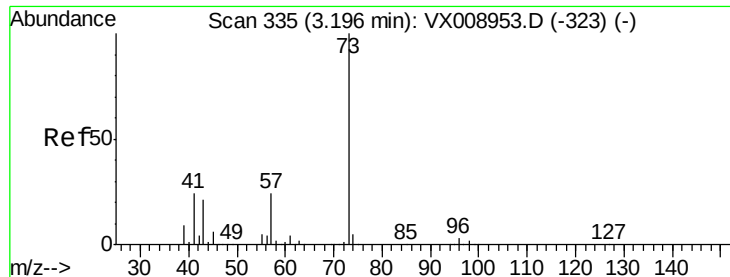
2.70

2.75

2.80

2.85



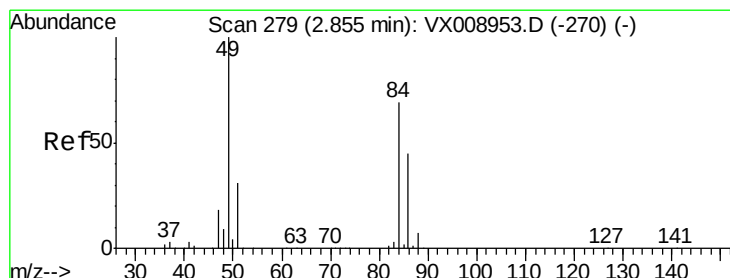
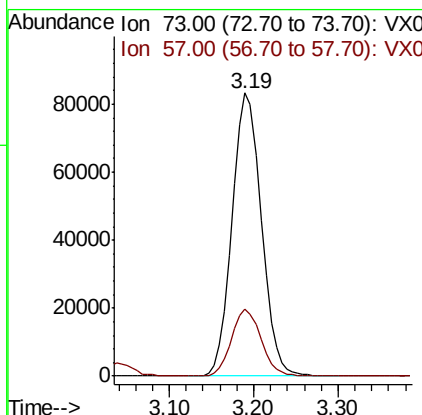
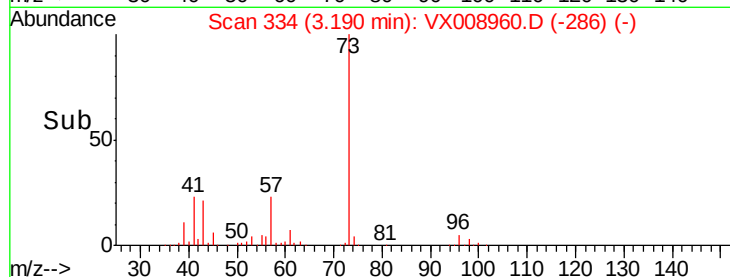
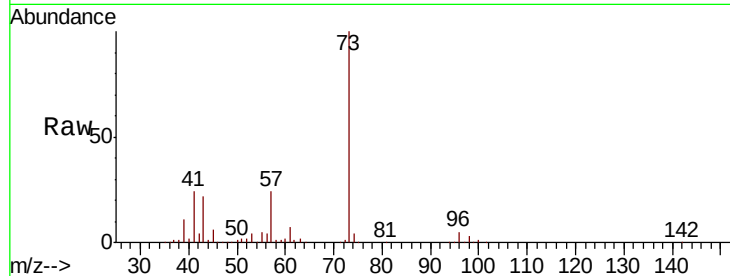


#19

Methyl tert-butyl Ether
 Concen: 20.411 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

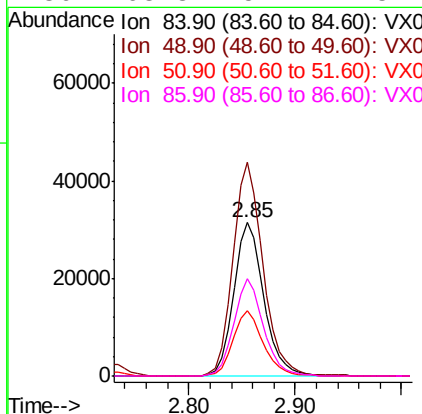
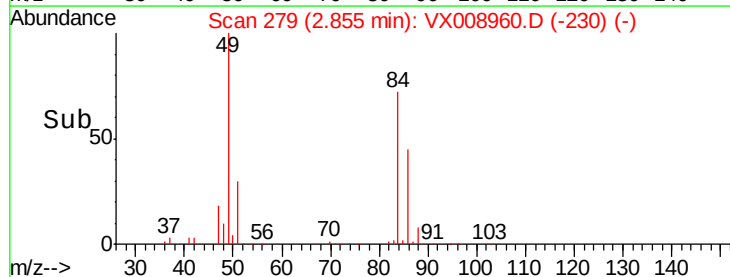
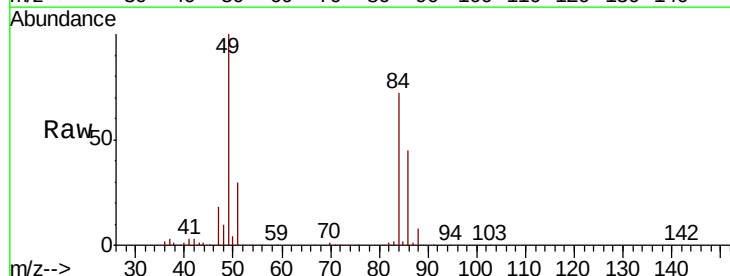
Tot Ion: 73 Resp: 195960
 Ion Ratio Lower Upper
 73 100
 57 23.5 19.2 28.8

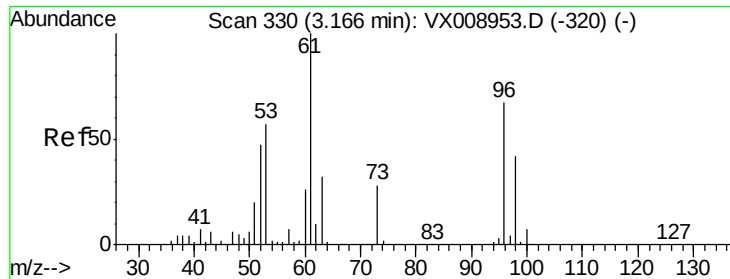


#20

Methylene Chloride
 Concen: 19.873 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 84 Resp: 62405
 Ion Ratio Lower Upper
 84 100
 49 139.0 115.4 173.0
 51 42.4 35.8 53.6
 86 63.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.827 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

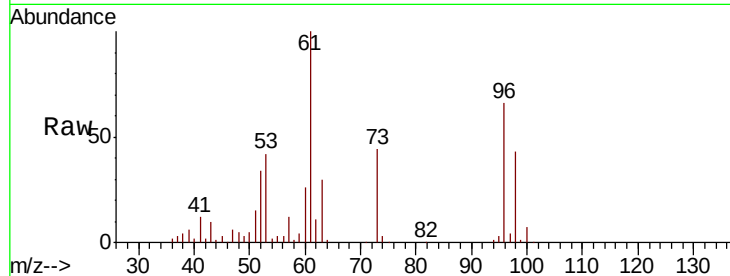
Tot Ion: 96 Resp: 56981

Ion Ratio Lower Upper

96 100

61 152.0 120.3 180.5

98 65.0 50.2 75.2

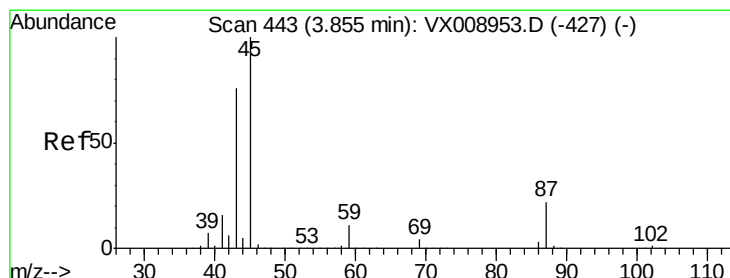
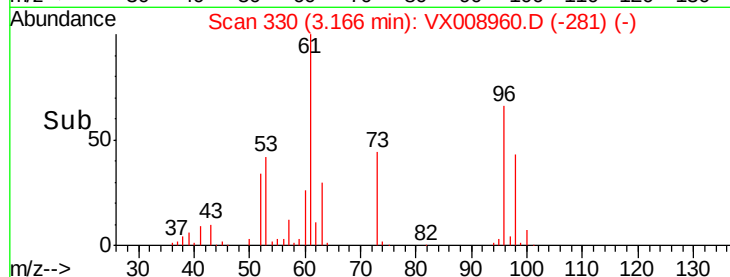
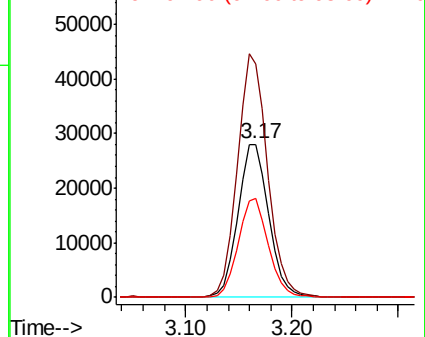


Abundance

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: 20.958 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion: 45 Resp: 239396

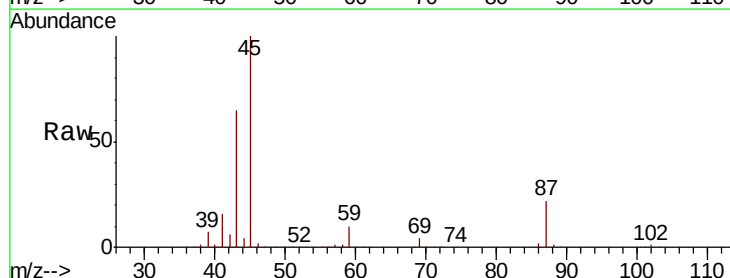
Ion Ratio Lower Upper

45 100

43 65.3 60.6 91.0

87 22.0 17.8 26.8

59 10.3 8.7 13.1



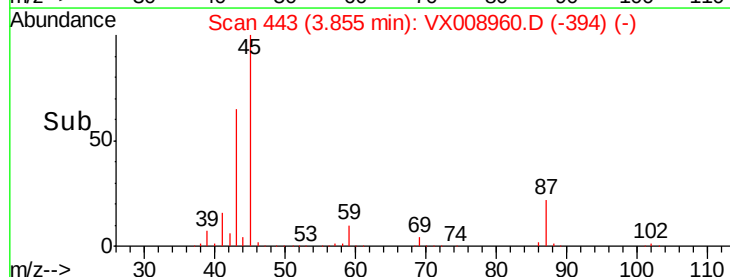
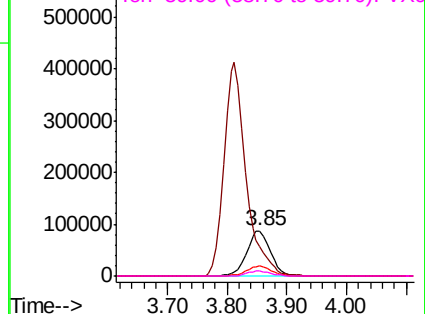
Abundance

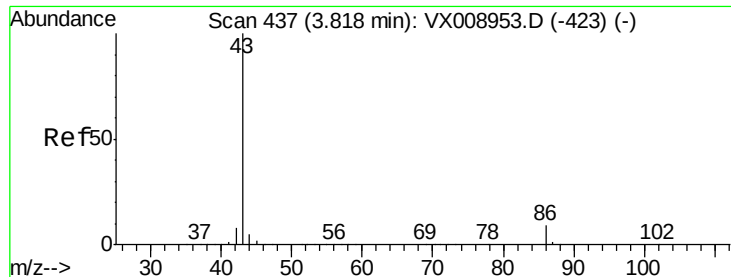
Ion 45.00 (44.70 to 45.70): VX0

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: 105.662 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

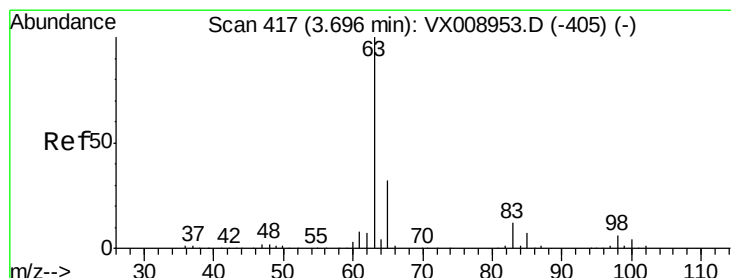
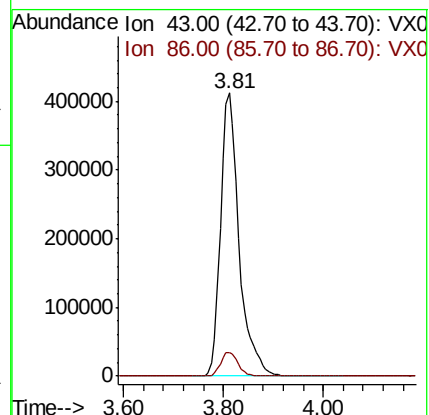
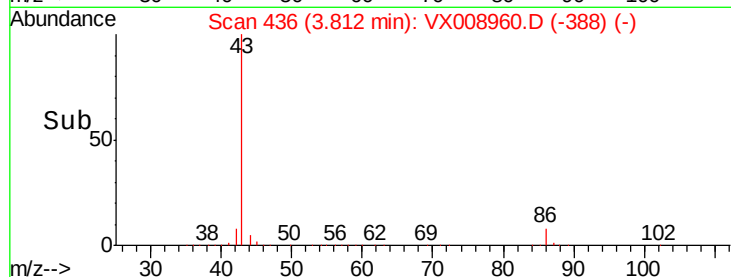
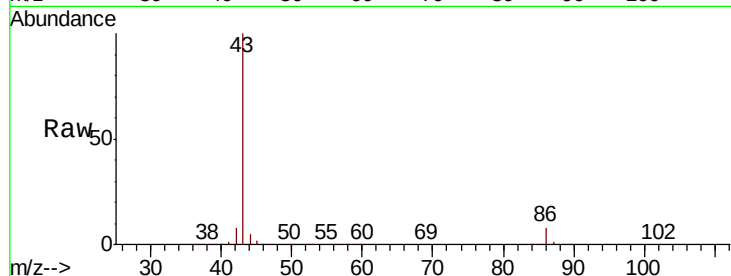
VX0415WBS01

Tot Ion: 43 Resp: 1060958

Ion Ratio Lower Upper

43 100

86 8.4 7.1 10.7



#24

1,1-Dichloroethane

Concen: 20.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

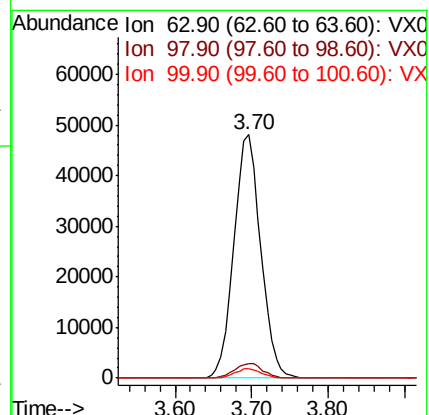
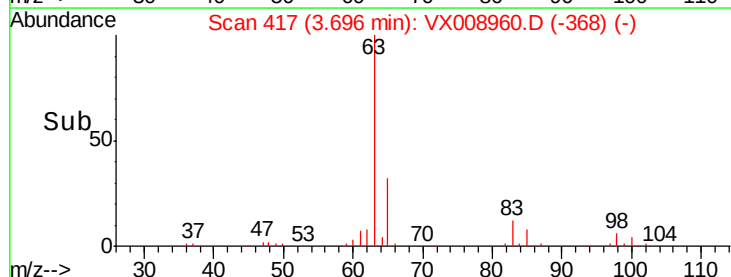
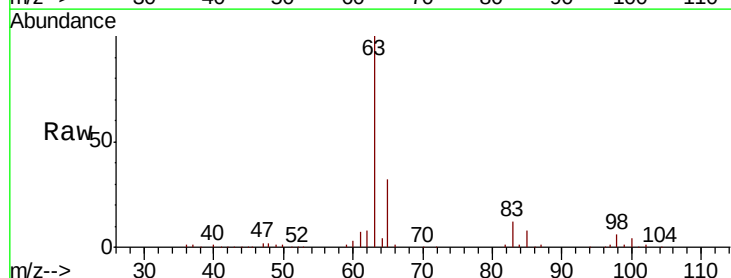
Tgt Ion: 63 Resp: 116685

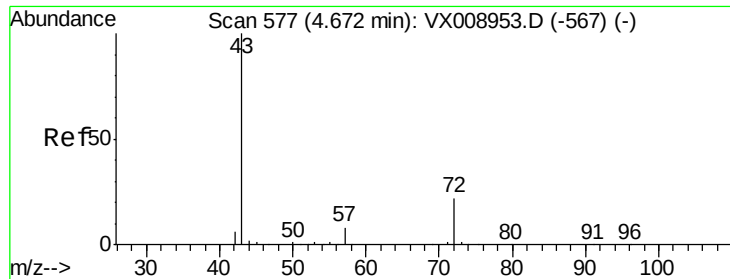
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 103.263 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

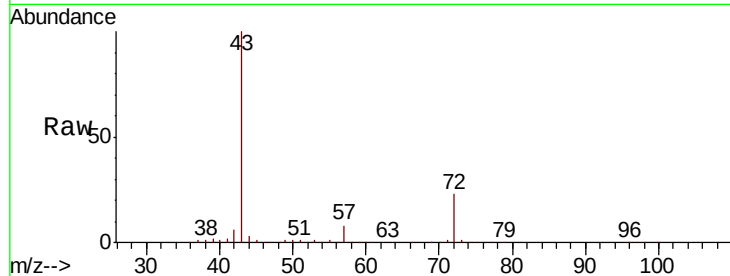
VX0415WBS01

Tot Ion: 43 Resp: 303086

Ion Ratio Lower Upper

43 100

72 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

120000

100000

80000

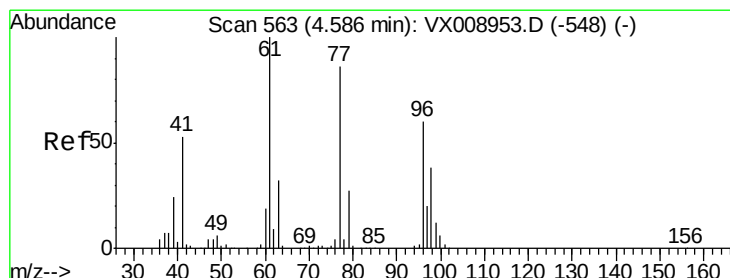
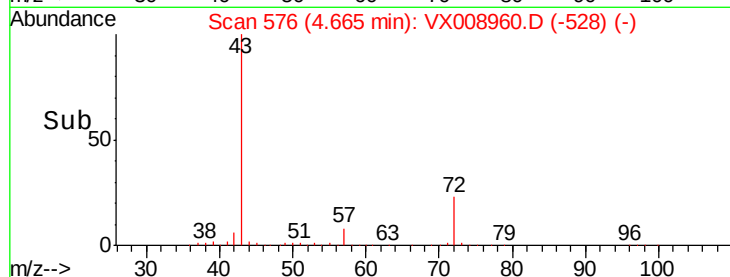
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.633 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008960.D

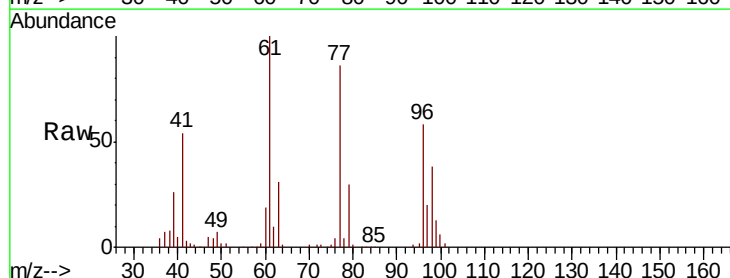
Acq: 15 Apr 2019 15:13

Tgt Ion: 77 Resp: 88683

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

25000

20000

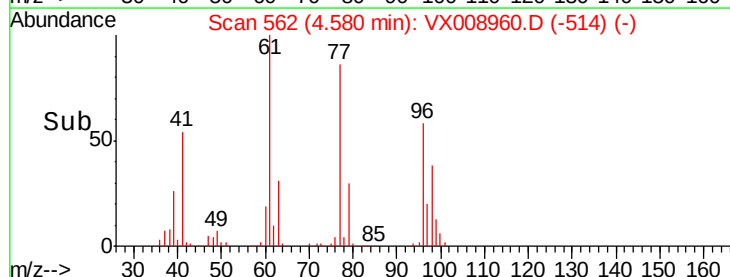
15000

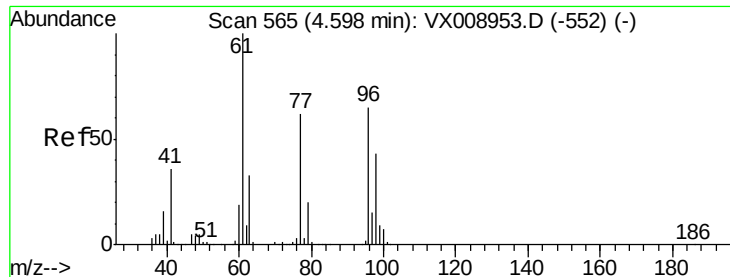
10000

5000

0

Time-->



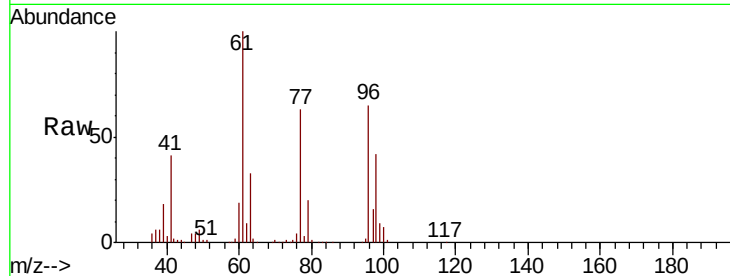


#27

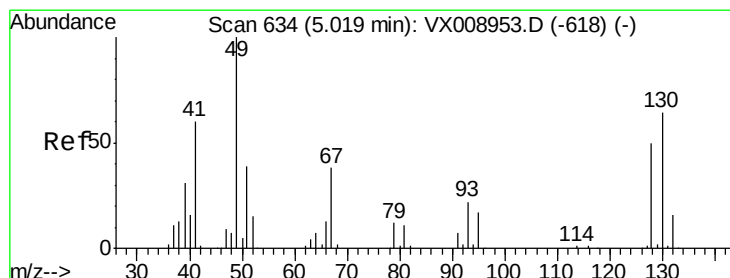
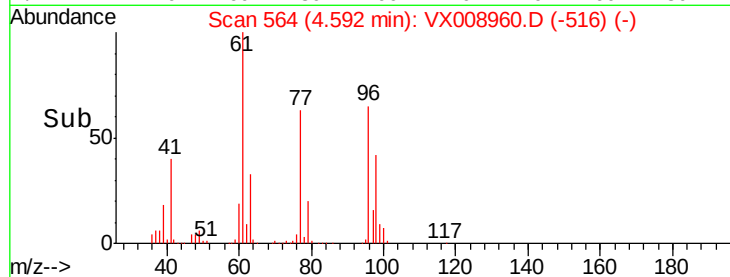
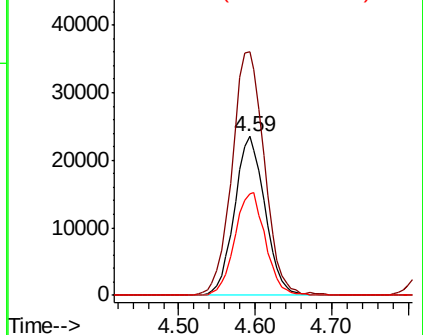
cis-1,2-Dichloroethene
Concen: 20.049 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion: 96 Resp: 65420
Ion Ratio Lower Upper
96 100
61 161.8 0.0 322.0
98 64.9 0.0 128.4



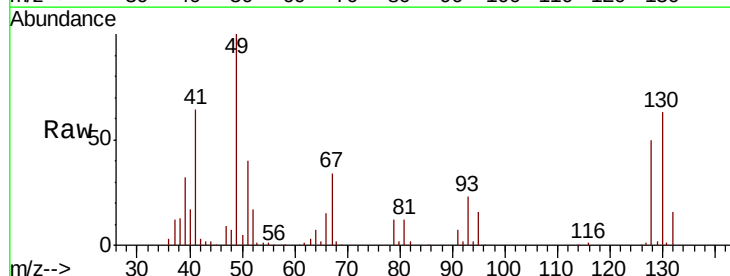
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



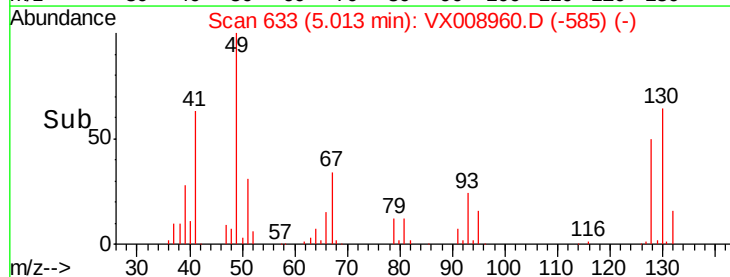
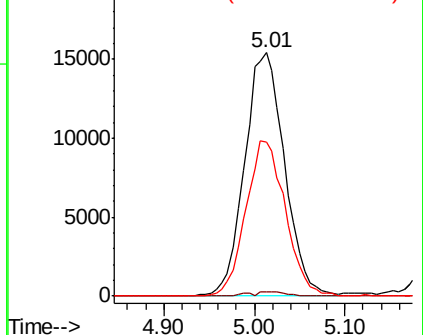
#28

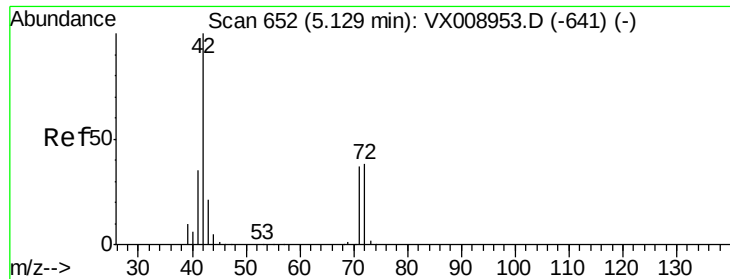
Bromochloromethane
Concen: 18.537 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 49 Resp: 47040
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.6
130 63.0 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: 101.358 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

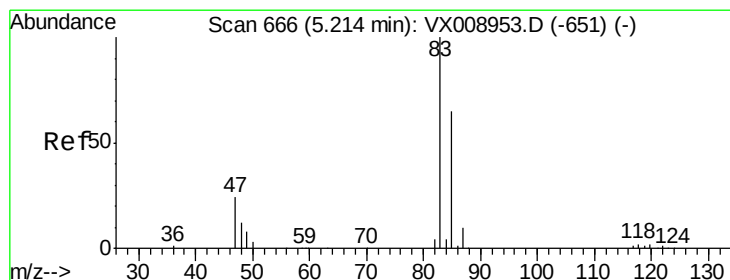
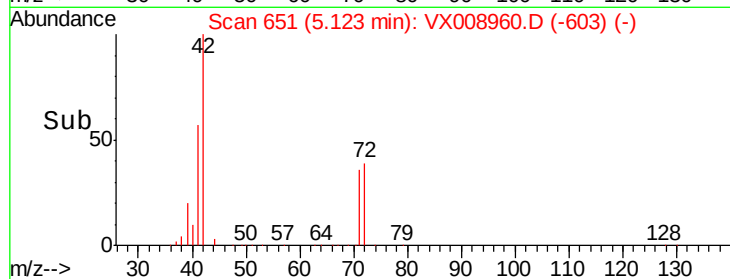
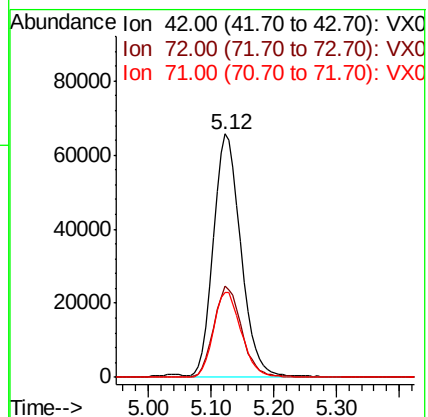
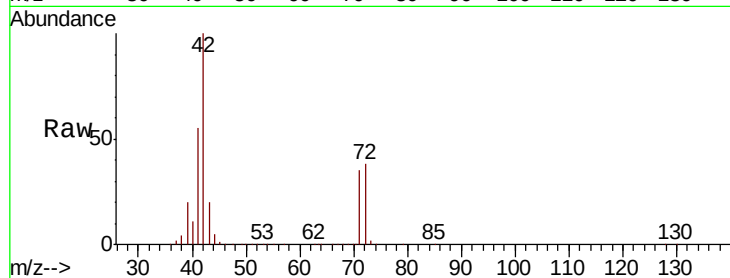
Tot Ion: 42 Resp: 199119

Ion Ratio Lower Upper

42 100

72 38.1 30.6 45.8

71 35.4 28.8 43.2



#30

Chloroform

Concen: 20.407 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX008960.D

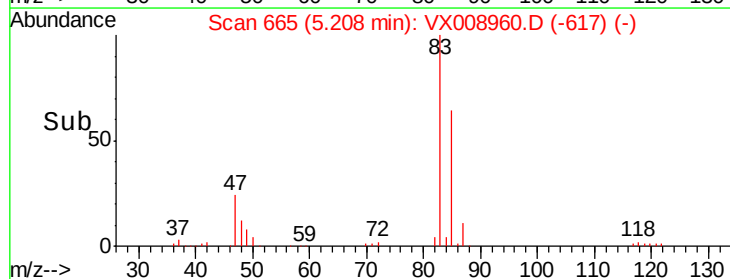
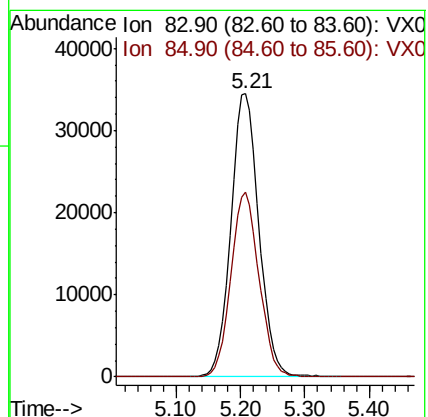
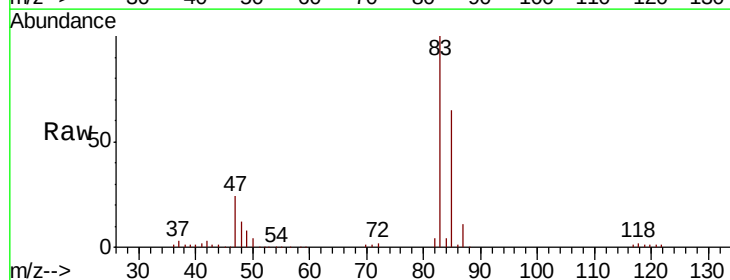
Acq: 15 Apr 2019 15:13

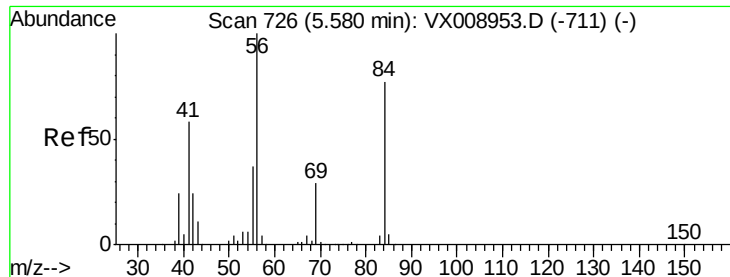
Tgt Ion: 83 Resp: 104710

Ion Ratio Lower Upper

83 100

85 65.2 51.9 77.9

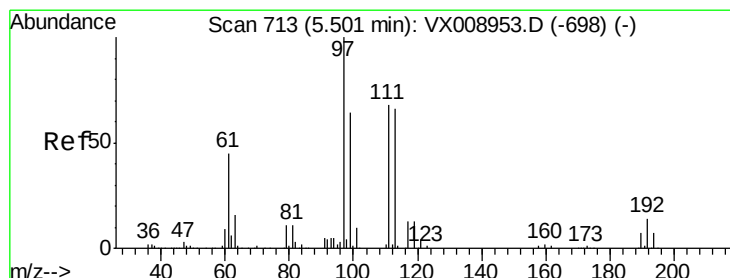
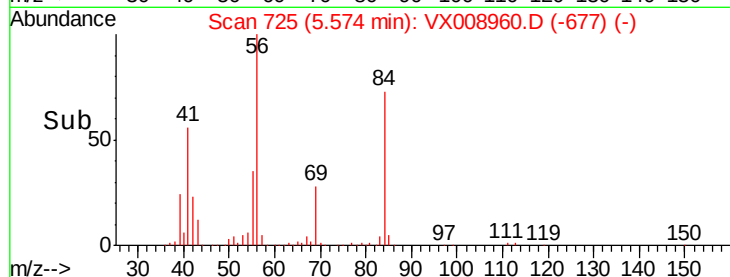
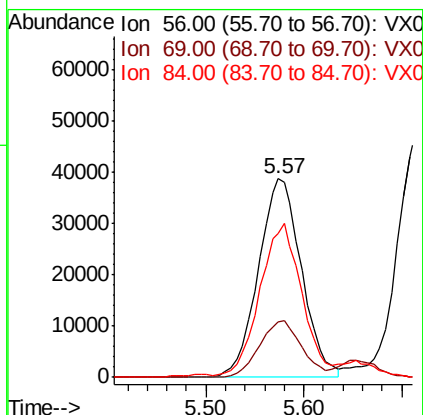
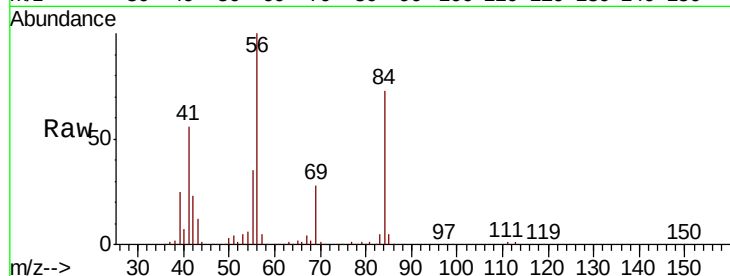




#31
Cyclohexane
Concen: 21.083 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

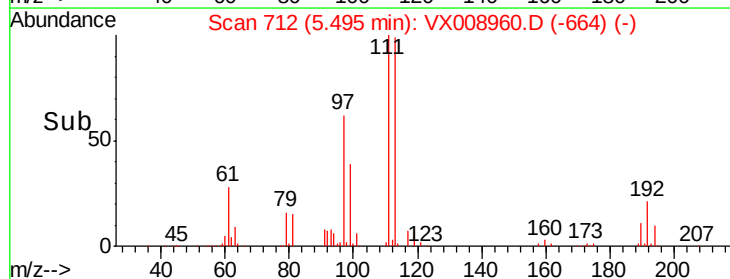
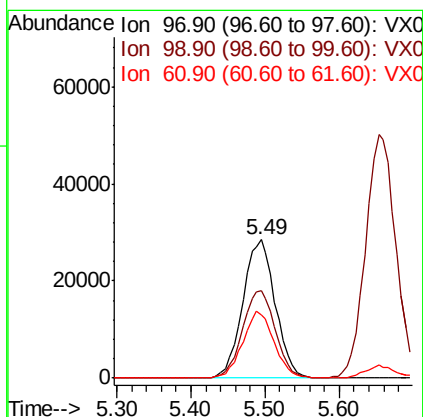
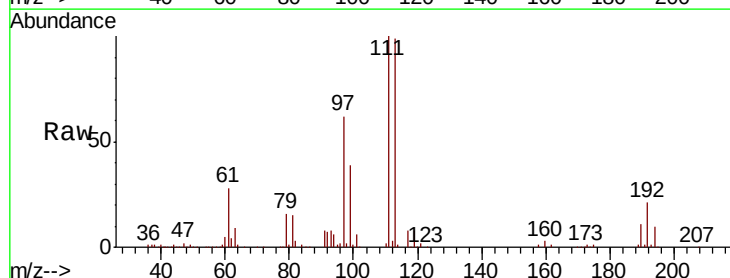
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

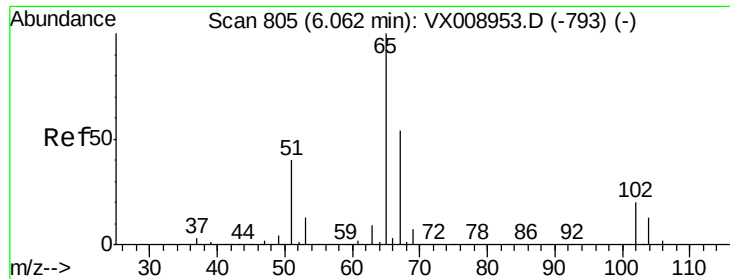
Tot Ion: 56 Resp: 118902
Ion Ratio Lower Upper
56 100
69 27.7 23.3 34.9
84 71.7 61.7 92.5



#32
1,1,1-Trichloroethane
Concen: 20.481 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 97 Resp: 87098
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 46.9 37.9 56.9

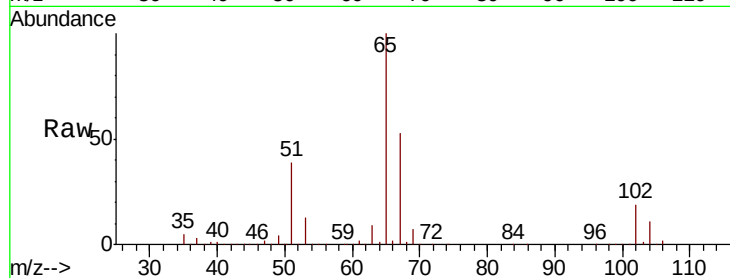




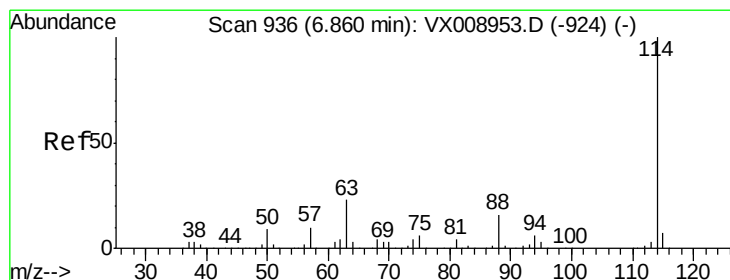
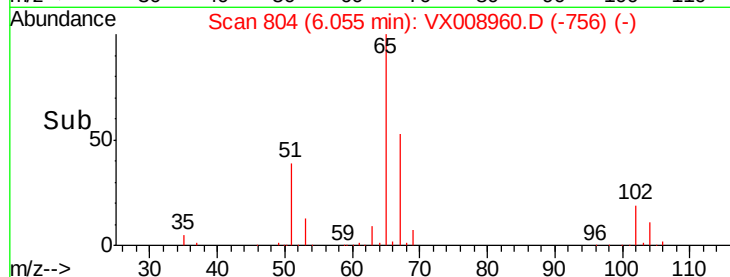
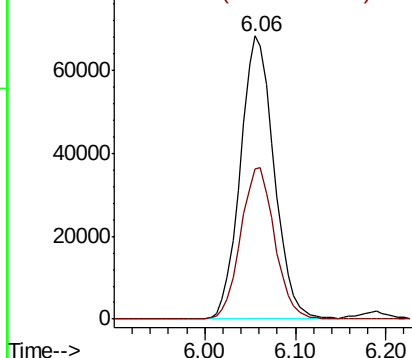
#33
 1,2-Dichloroethane-d4
 Concen: 49.660 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion: 65 Resp: 175842
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6

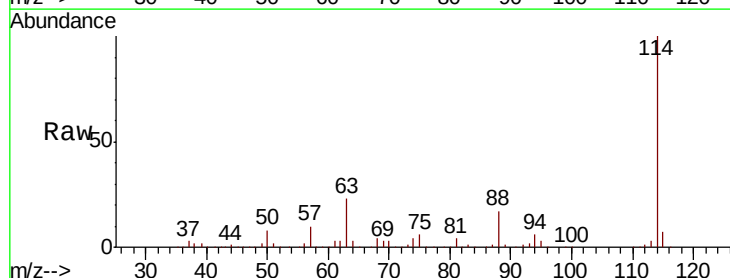


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

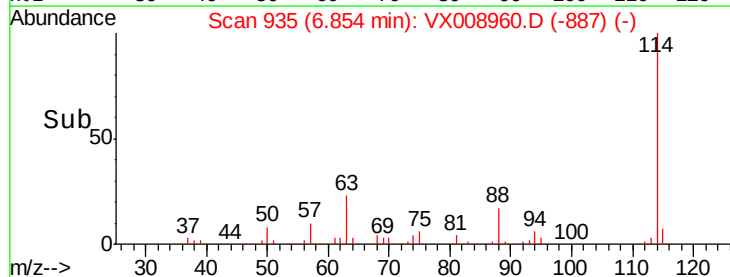
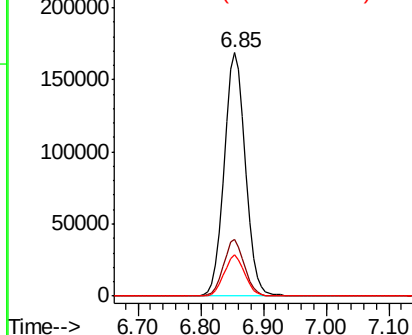


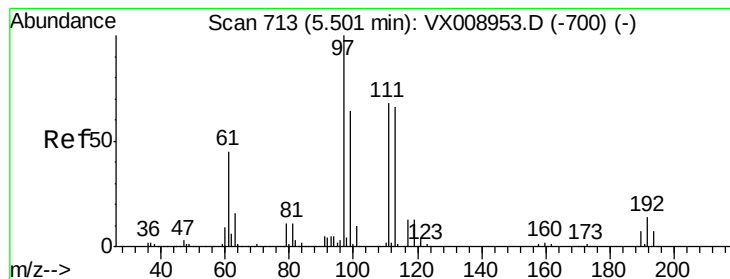
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 114 Resp: 394622
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 16.9 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.104 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

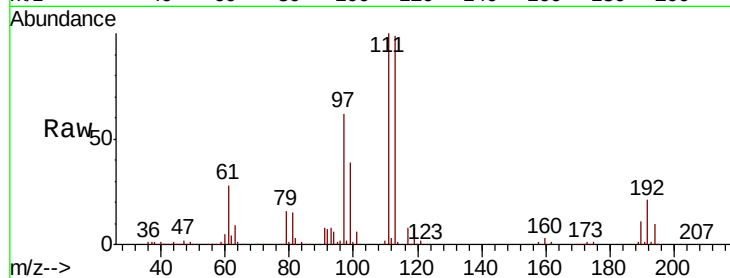
Tot Ion:113 Resp: 129426

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

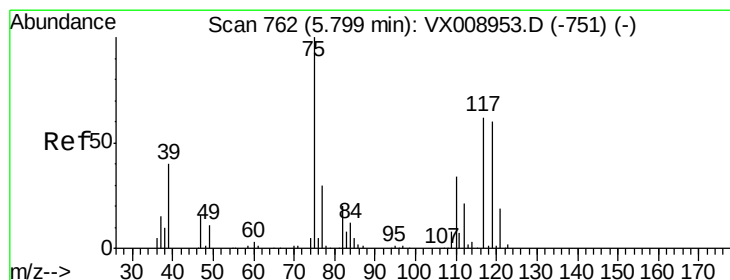
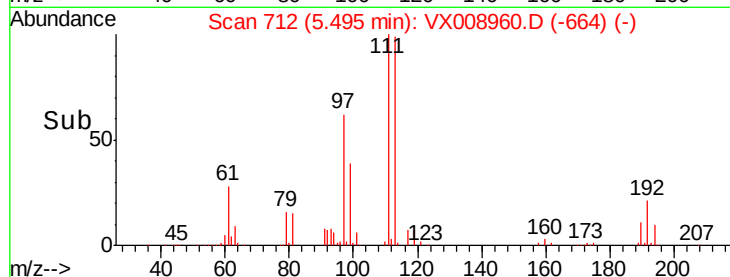
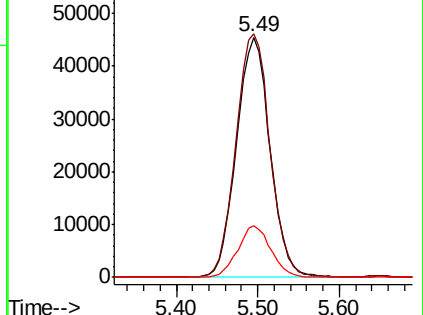
192 21.2 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.460 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

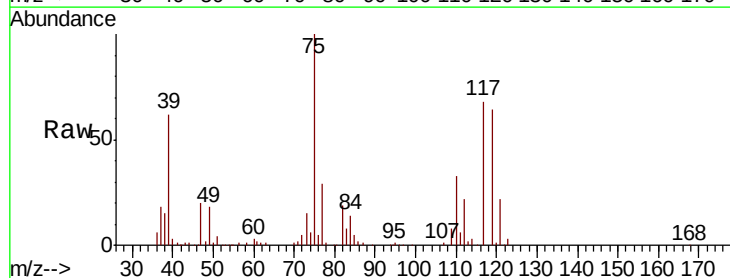
Tgt Ion: 75 Resp: 83502

Ion Ratio Lower Upper

75 100

110 33.2 16.9 50.7

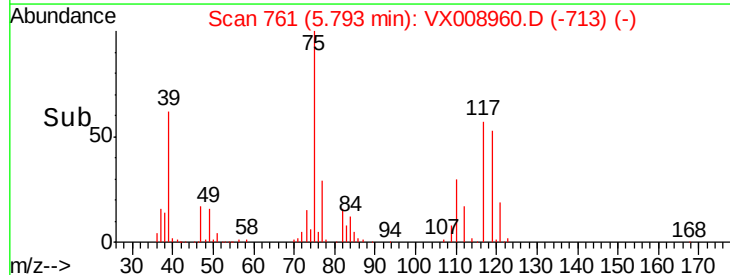
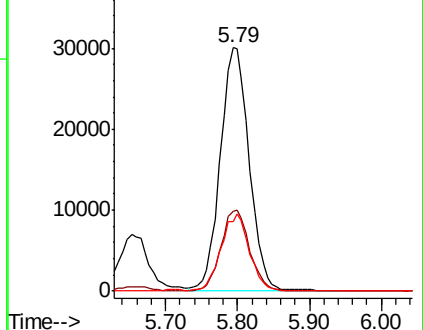
77 31.2 25.0 37.4

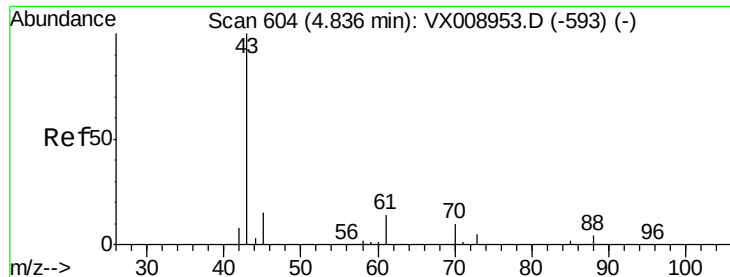


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 21.641 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampled :

VX0415WBS01

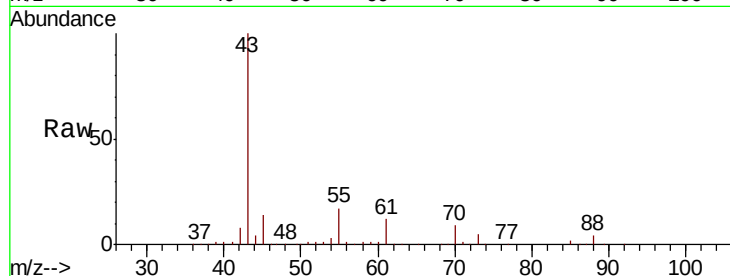
Tot Ion: 43 Resp: 113650

Ion Ratio Lower Upper

43 100

61 13.0 10.6 15.8

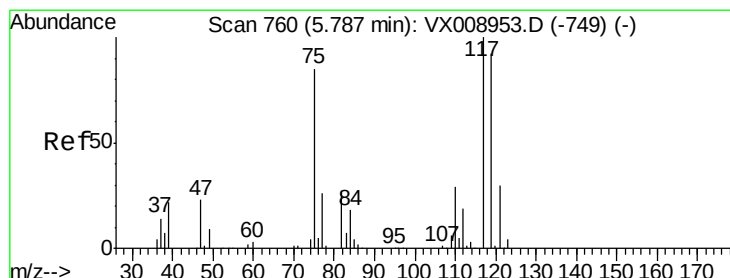
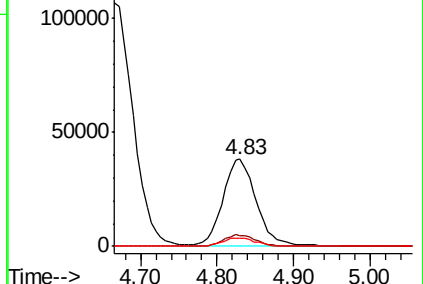
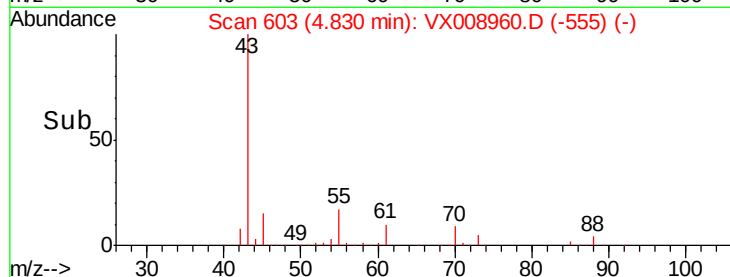
70 9.6 7.7 11.5



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: 20.999 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

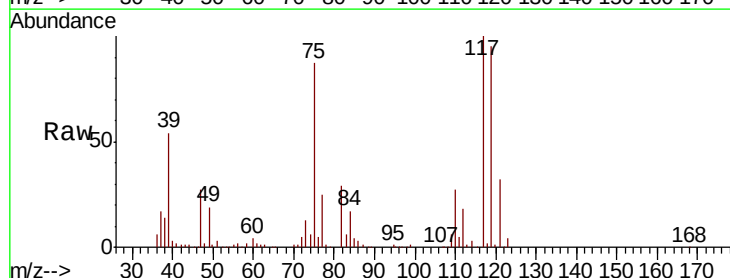
Tgt Ion: 117 Resp: 72657

Ion Ratio Lower Upper

117 100

119 95.0 73.8 110.8

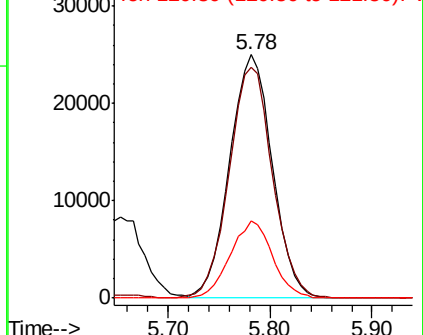
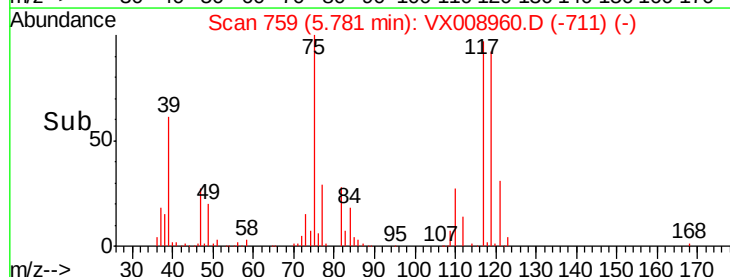
121 31.6 23.6 35.4

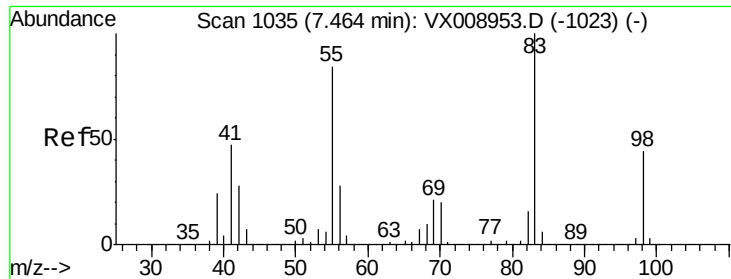


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

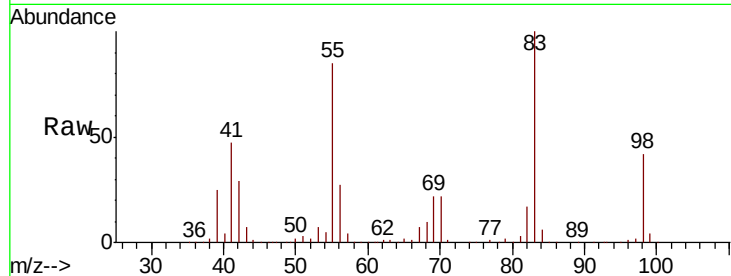




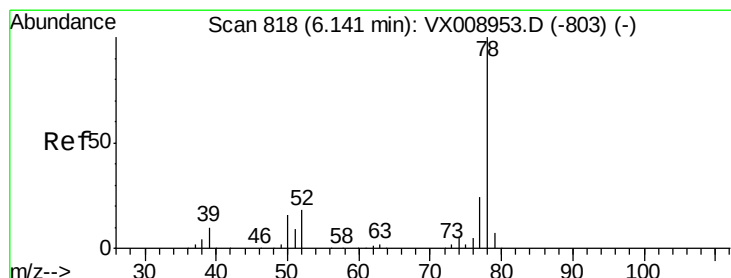
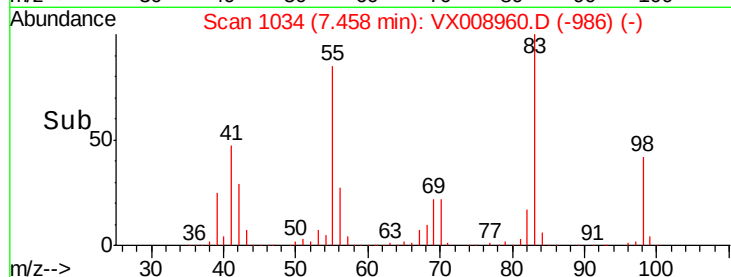
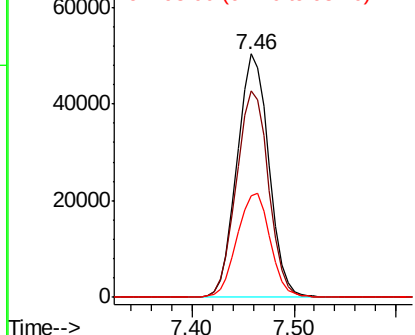
#39
Methylvlcyclohexane
Concen: 21.963 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion: 83 Resp: 109135
Ion Ratio Lower Upper
83 100
55 84.8 67.1 100.7
98 41.8 35.1 52.7

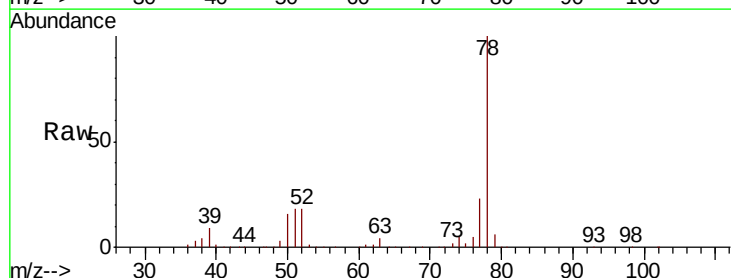


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

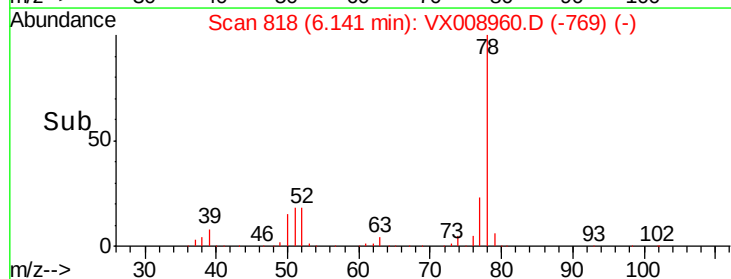
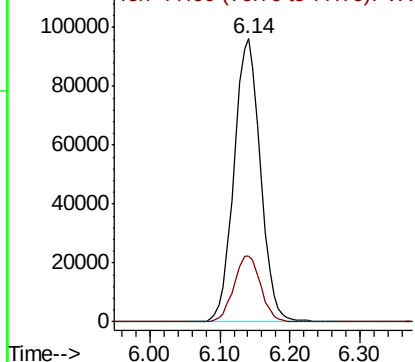


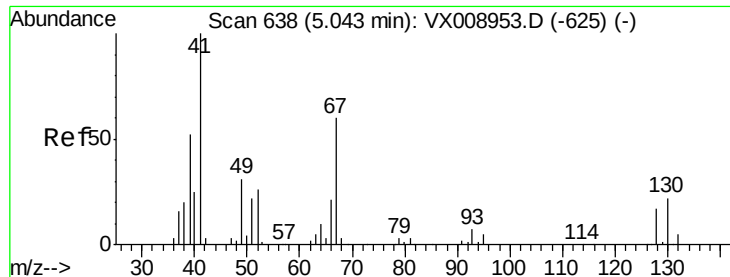
#40
Benzene
Concen: 20.988 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 78 Resp: 252690
Ion Ratio Lower Upper
78 100
77 23.2 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: 21.082 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampled :

VX0415WBS01

Tot Ion: 41 Resp: 63543

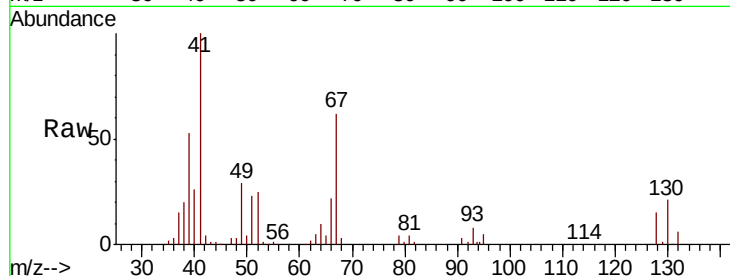
Ion Ratio Lower Upper

41 100

39 52.8 41.8 62.6

67 64.2 50.2 75.4

52 27.5 21.1 31.7

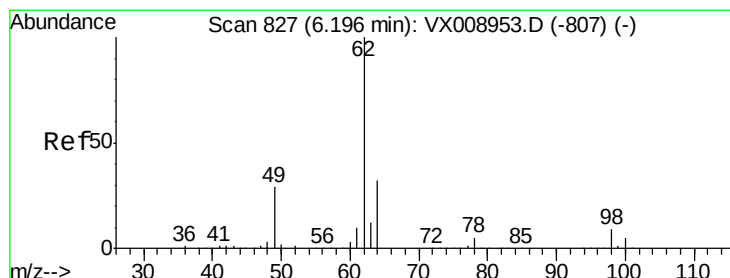
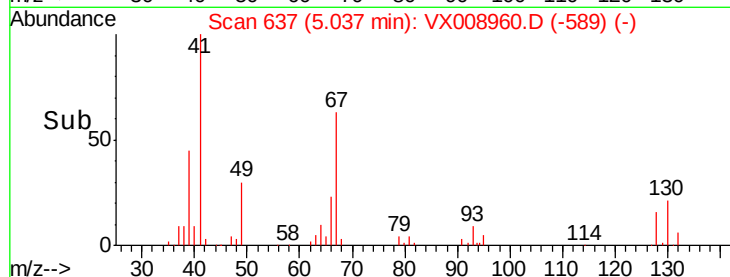
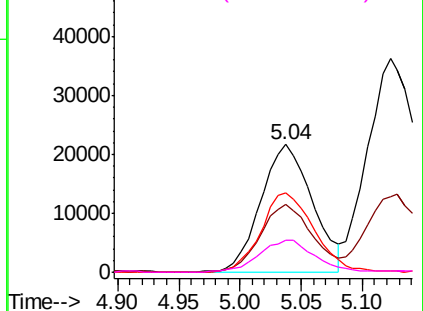


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.122 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX008960.D

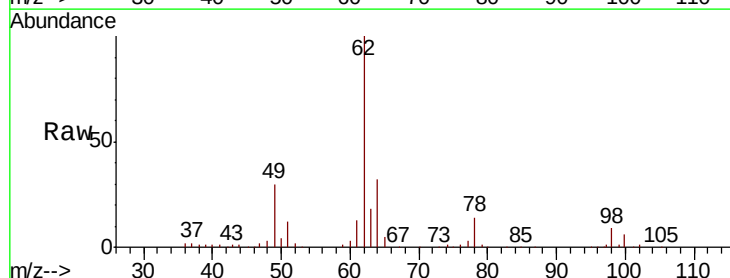
Acq: 15 Apr 2019 15:13

Tgt Ion: 62 Resp: 90084

Ion Ratio Lower Upper

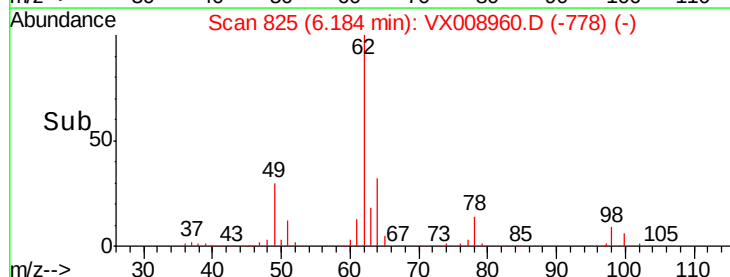
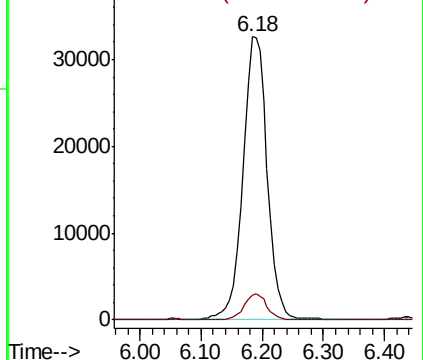
62 100

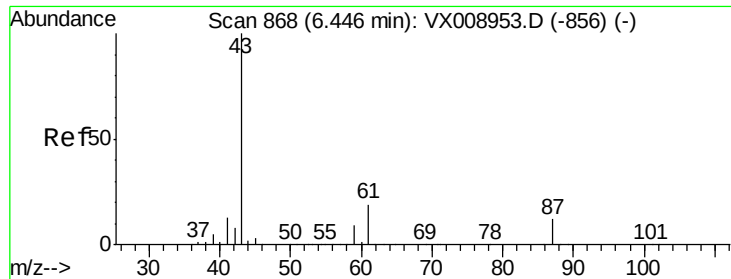
98 8.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.072 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

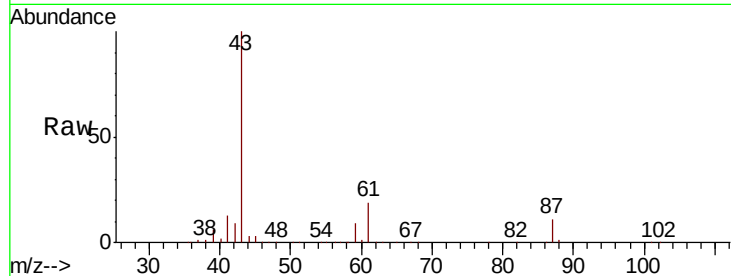
Tot Ion: 43 Resp: 178332

Ion Ratio Lower Upper

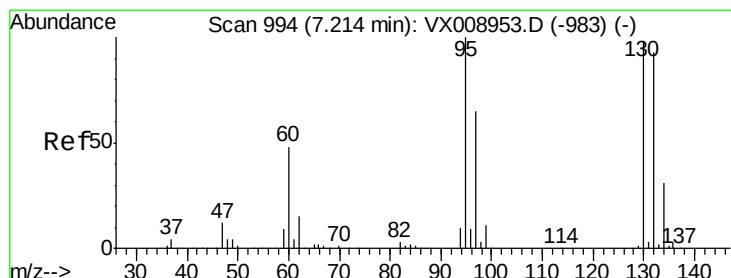
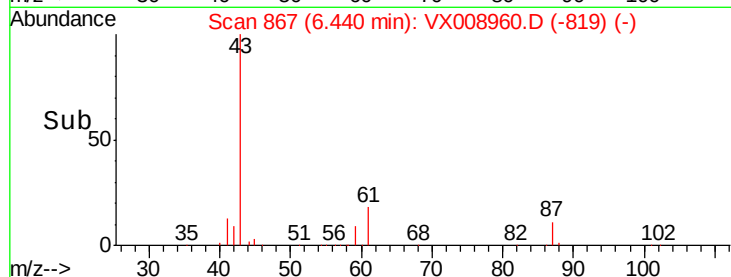
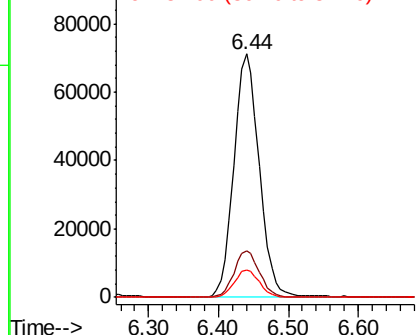
43 100

61 19.4 15.4 23.0

87 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 20.447 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008960.D

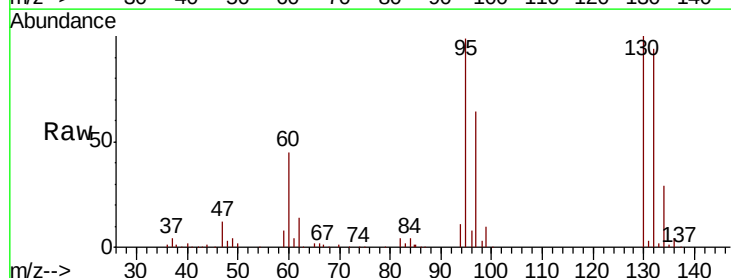
Acq: 15 Apr 2019 15:13

Tgt Ion:130 Resp: 60319

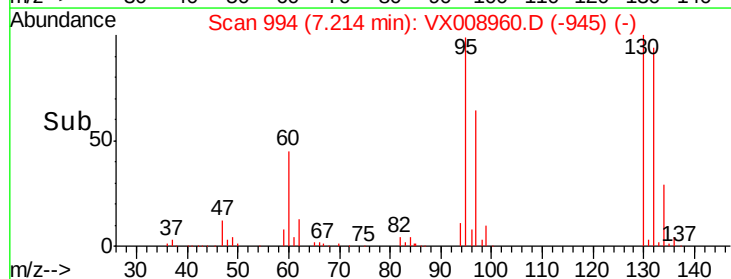
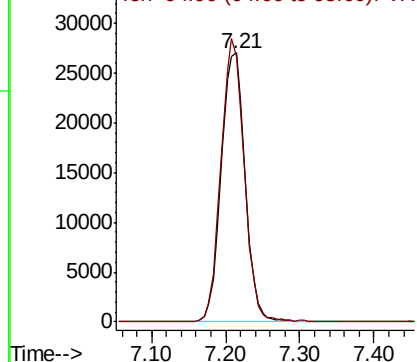
Ion Ratio Lower Upper

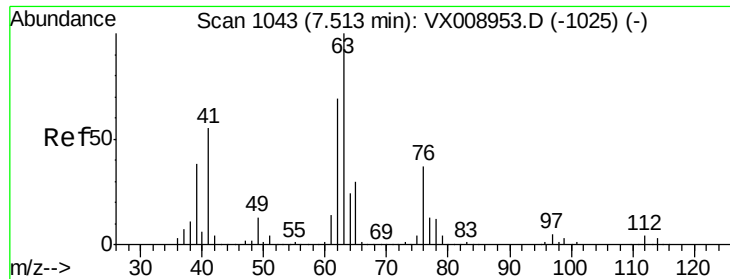
130 100

95 98.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.137 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

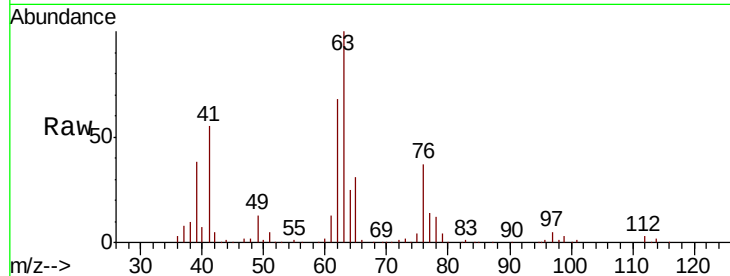
VX0415WBS01

Tot Ion: 63 Resp: 70603

Ion Ratio Lower Upper

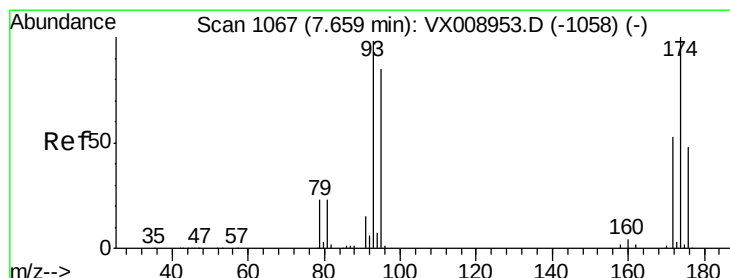
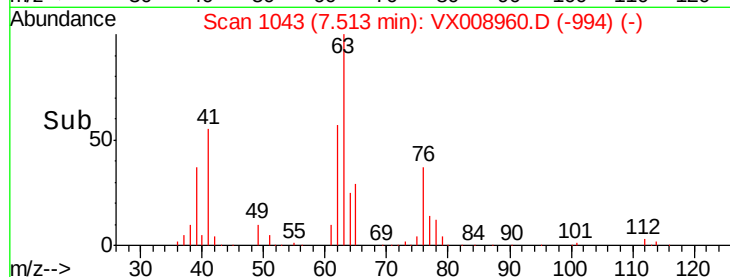
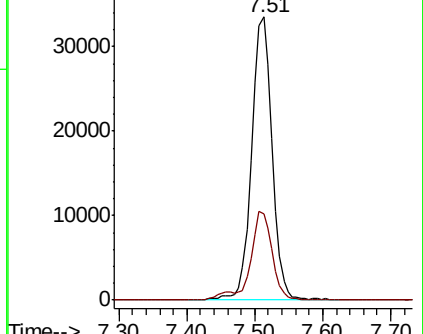
63 100

65 30.5 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: 20.678 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

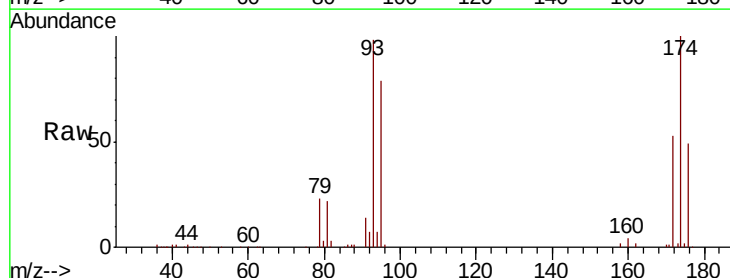
Tgt Ion: 93 Resp: 40197

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

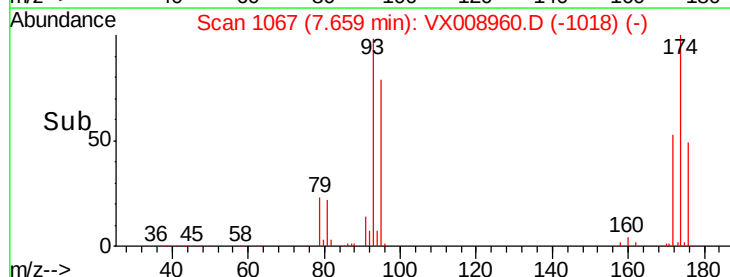
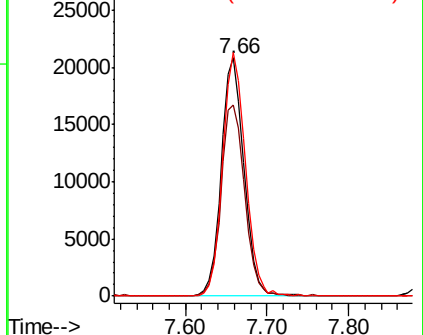
174 102.2 81.6 122.4

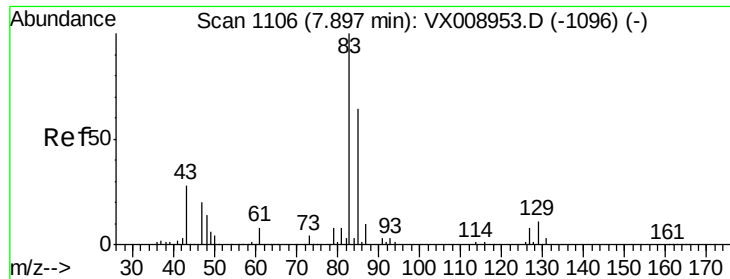


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.055 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

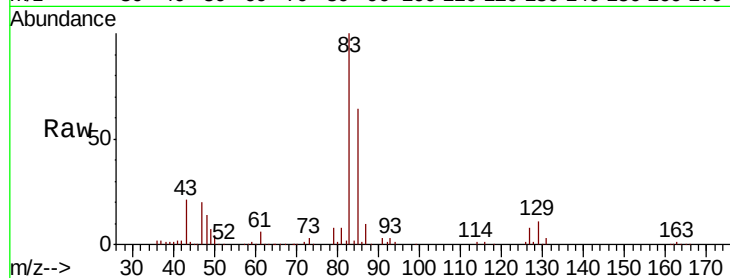
Tot Ion: 83 Resp: 80275

Ion Ratio Lower Upper

83 100

85 64.0 50.8 76.2

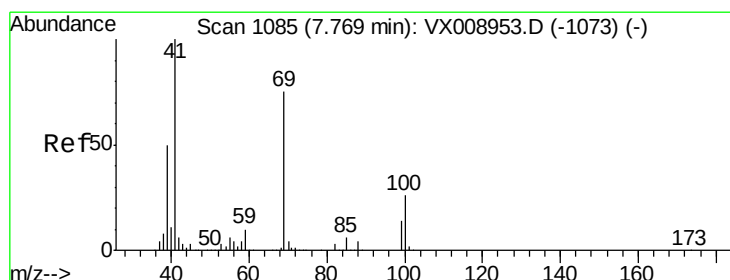
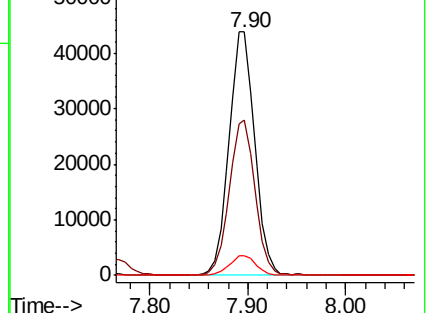
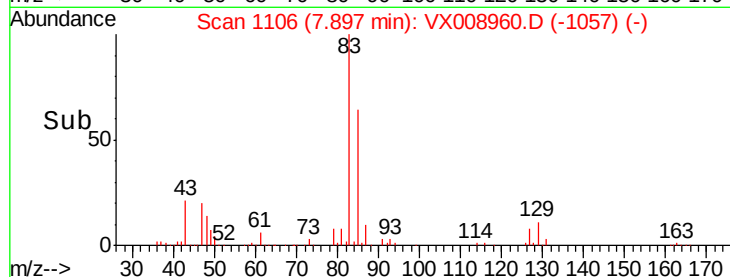
127 8.2 6.4 9.6



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: 21.600 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

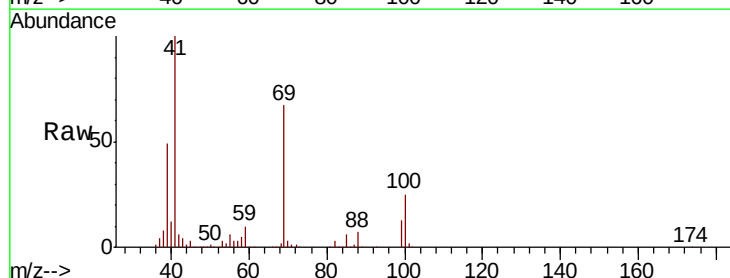
Tgt Ion: 41 Resp: 90323

Ion Ratio Lower Upper

41 100

69 73.6 59.4 89.2

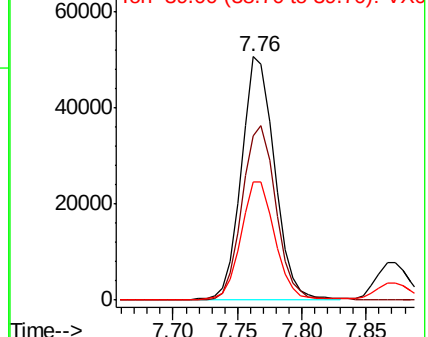
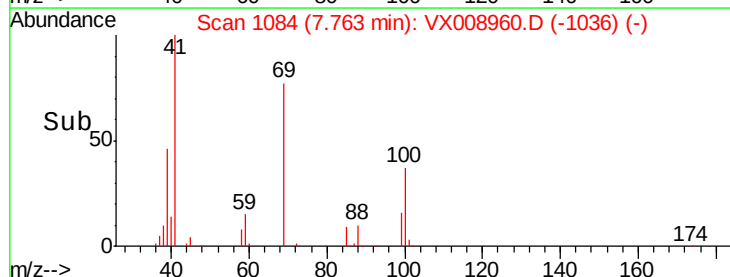
39 49.6 39.8 59.6

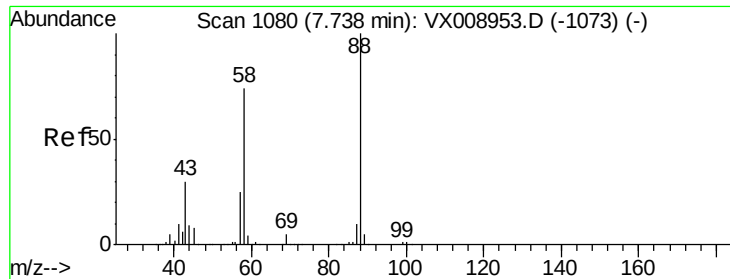


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

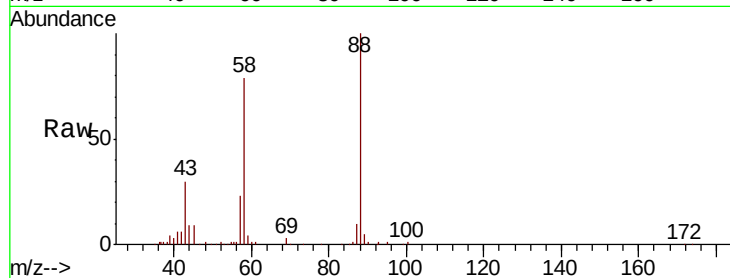




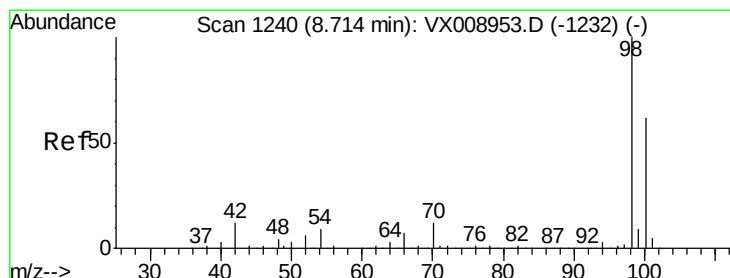
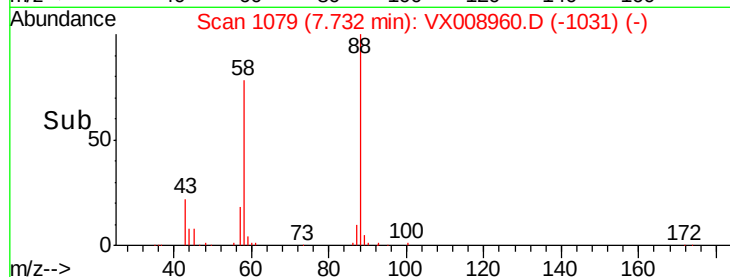
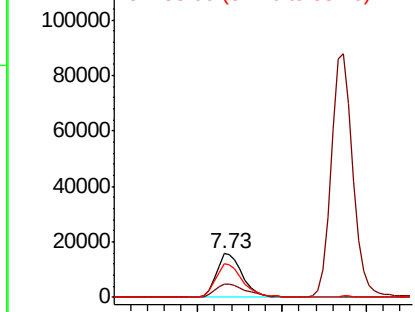
#49
 1,4-Dioxane
 Concen: 427.801 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion: 88 Resp: 33483
 Ion Ratio Lower Upper
 88 100
 43 36.2 29.3 43.9
 58 79.9 62.6 93.8

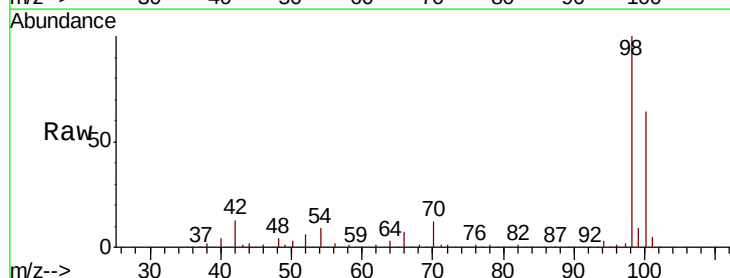


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

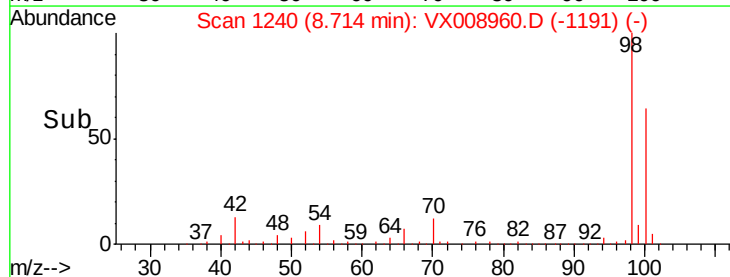
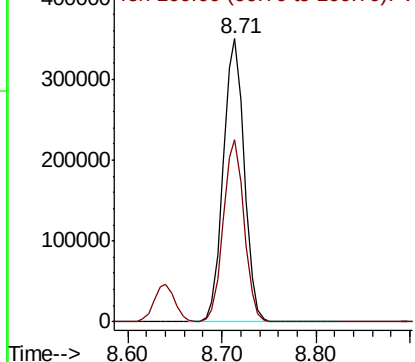


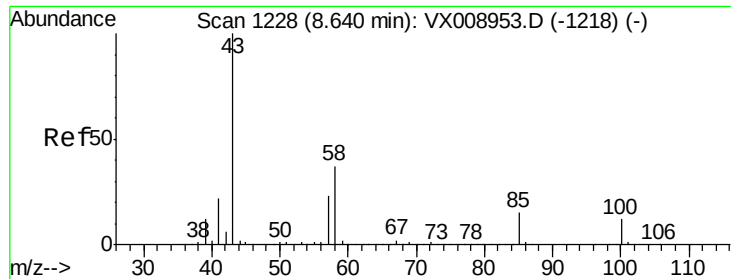
#50
 Toluene-d8
 Concen: 53.290 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 98 Resp: 538233
 Ion Ratio Lower Upper
 98 100
 100 63.8 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: 108.200 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

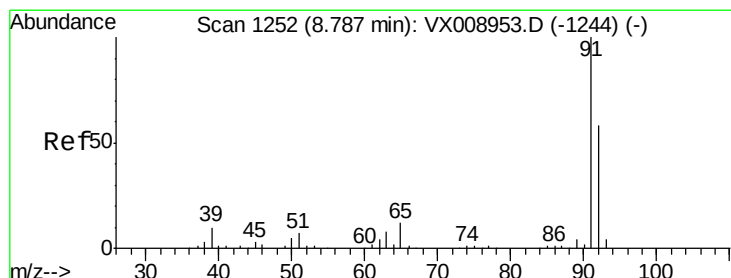
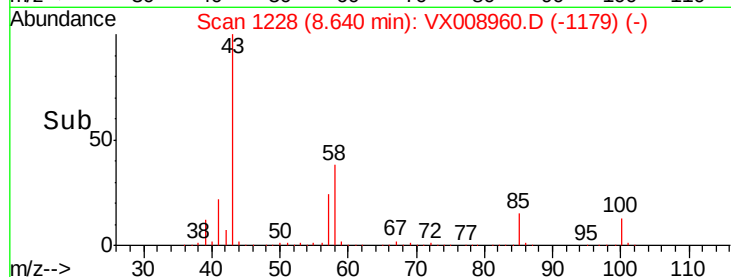
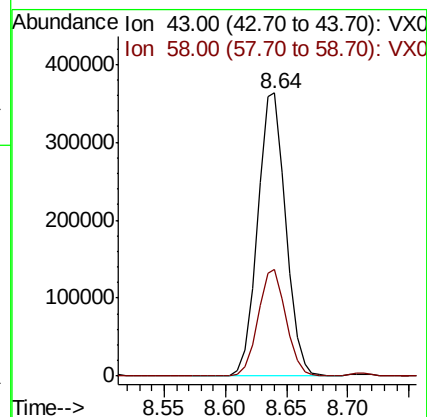
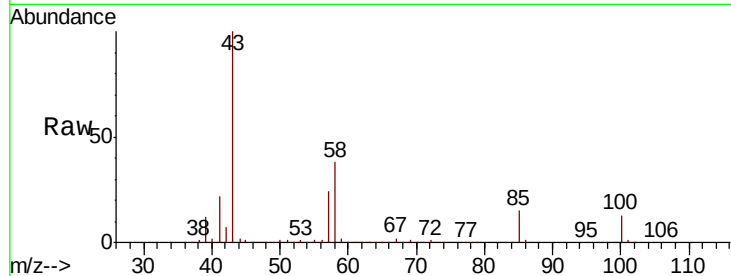
VX0415WBS01

Tot Ion: 43 Resp: 583368

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.6



#52

Toluene

Concen: 21.160 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008960.D

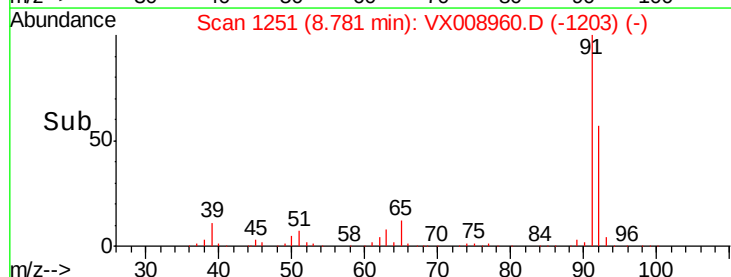
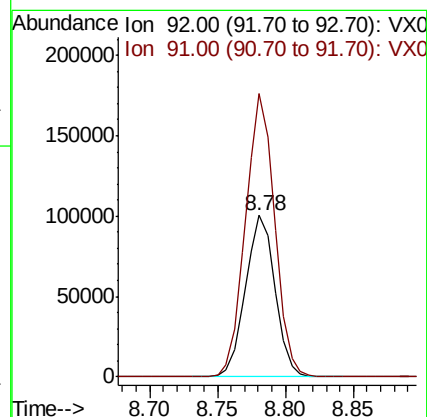
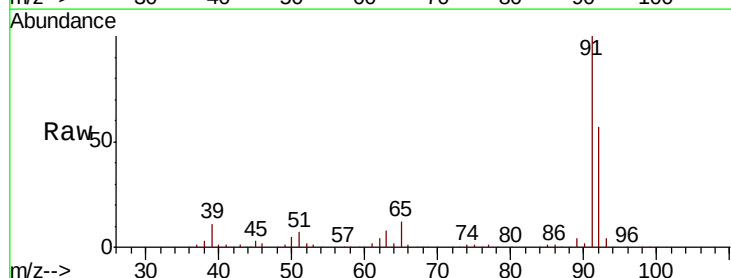
Acq: 15 Apr 2019 15:13

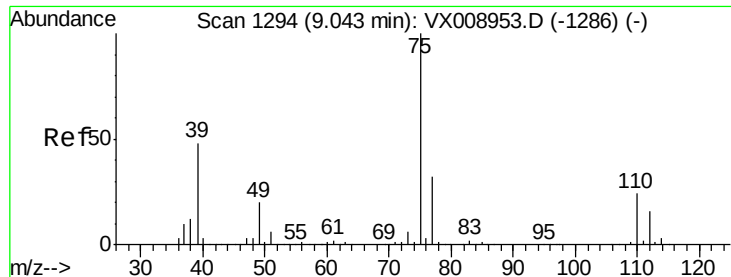
Tgt Ion: 92 Resp: 152687

Ion Ratio Lower Upper

92 100

91 173.8 138.5 207.7

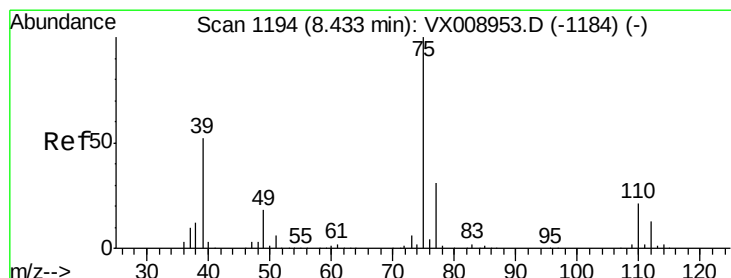
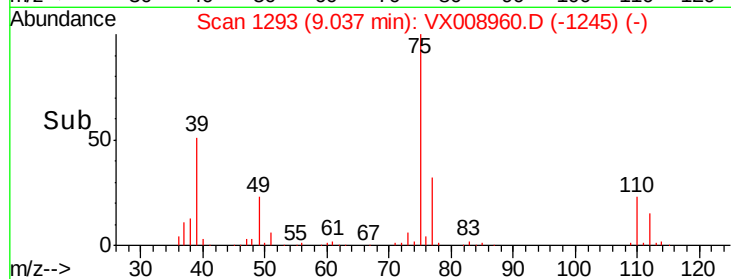
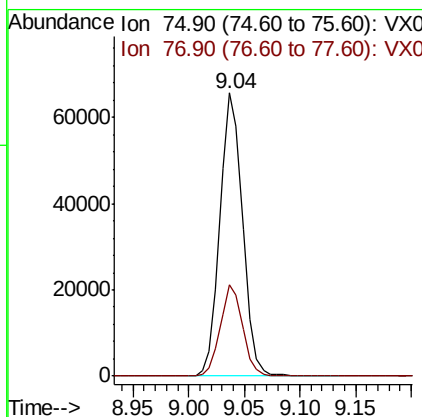
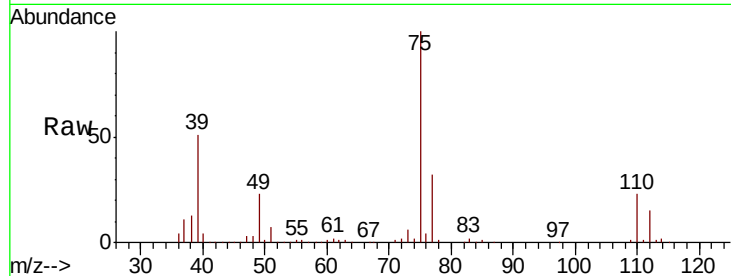




#53
 t-1,3-Dichloropropene
 Concen: 21.166 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

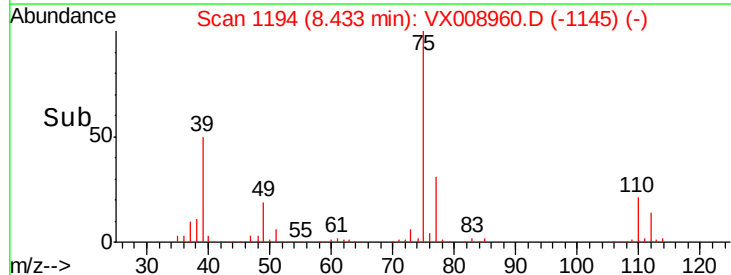
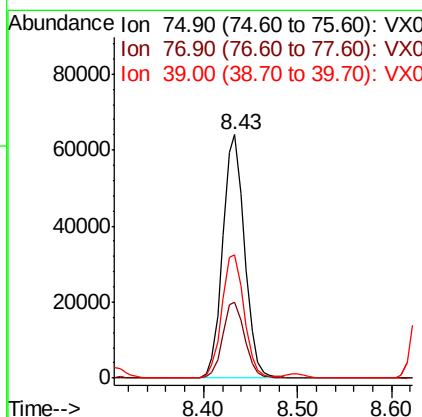
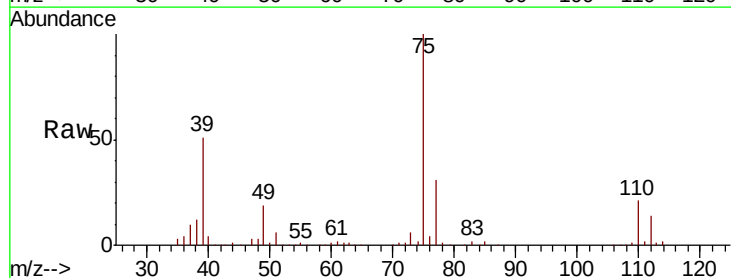
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

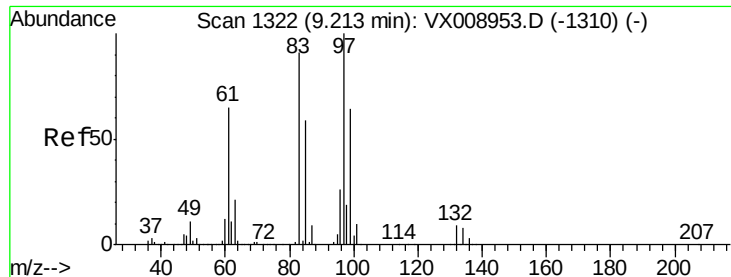
Tot Ion: 75 Resp: 92876
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.950 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 75 Resp: 102931
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2
 39 50.5 41.8 62.6

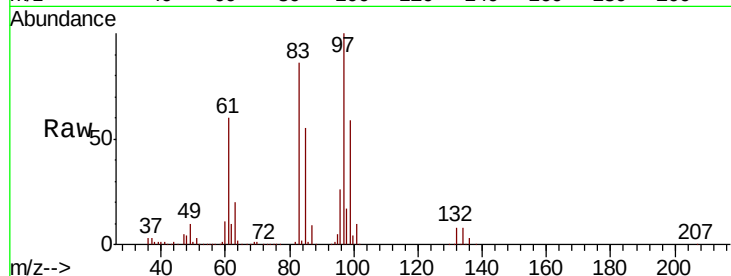




#55
 1,1,2-Trichloroethane
 Concen: 21.466 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	97	Resp	61389
Ion	Ratio	Lower	Upper
97	100		
83	86.2	72.6	108.8
85	55.3	46.9	70.3
99	59.3	51.0	76.6



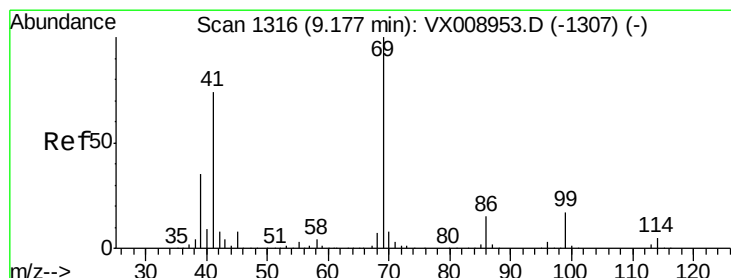
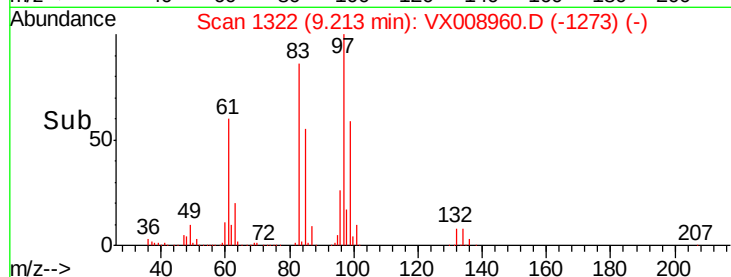
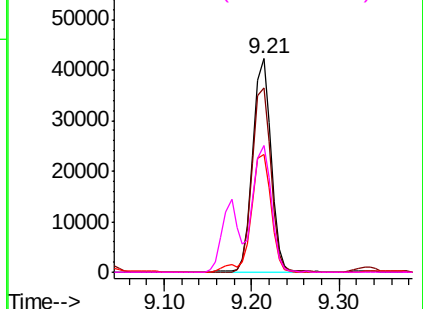
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

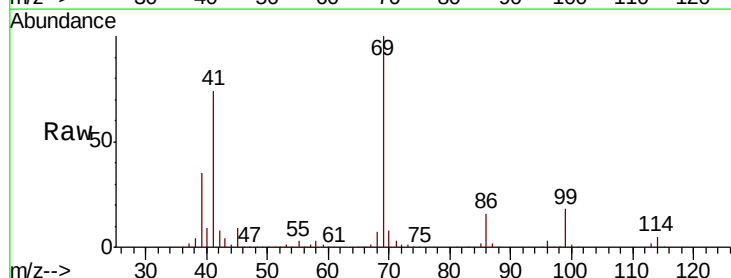
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 21.851 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	69	Resp	112048
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.2	90.2
39	35.2	27.9	41.9

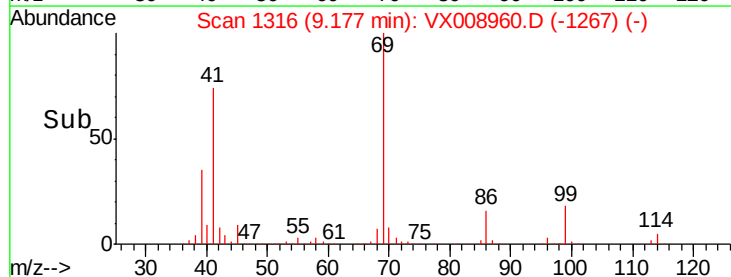
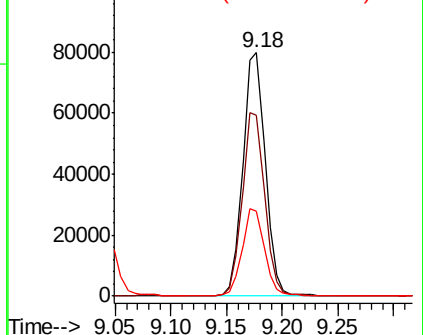


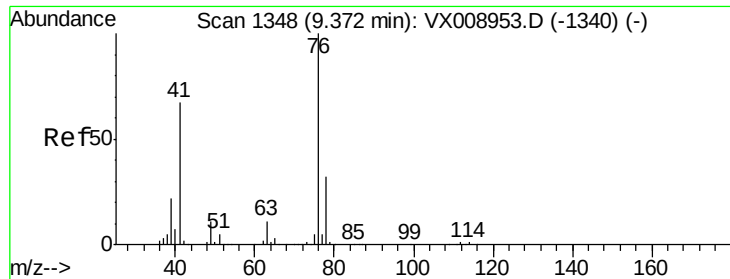
Abundance

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

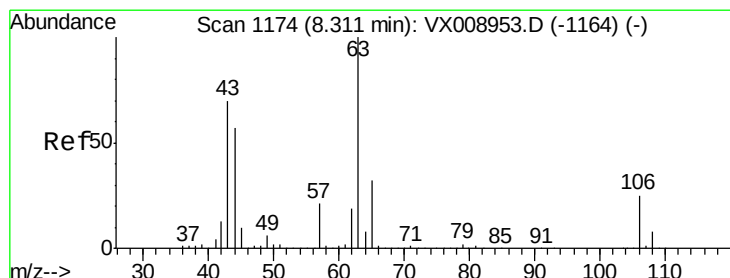
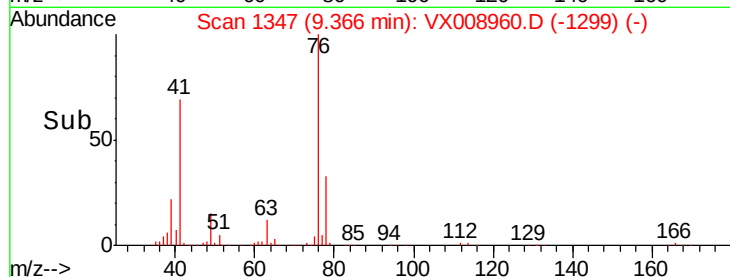
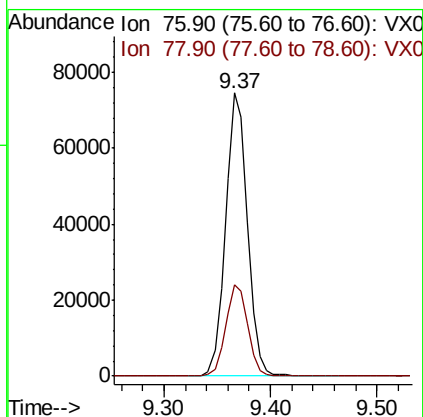
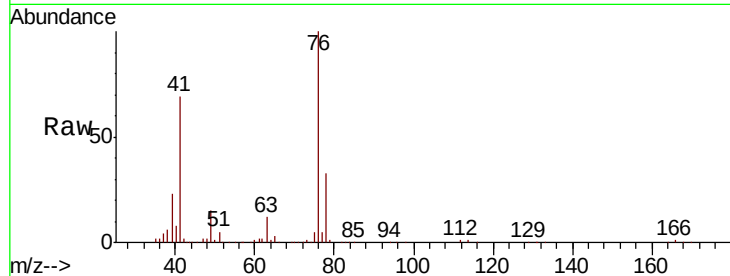




#57
 1,3-Dichloropropane
 Concen: 21.027 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

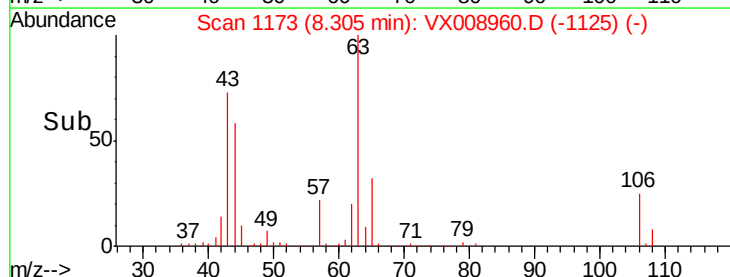
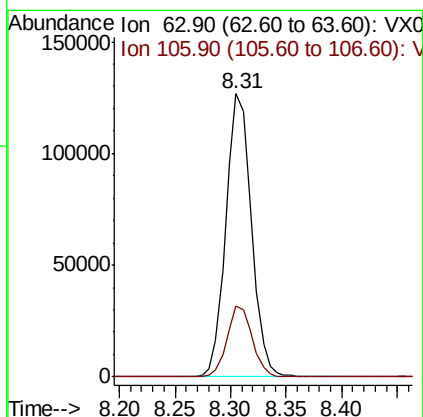
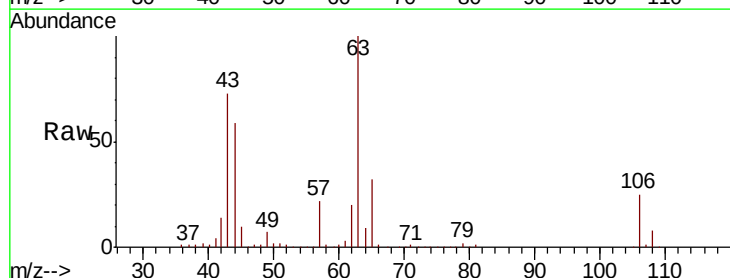
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

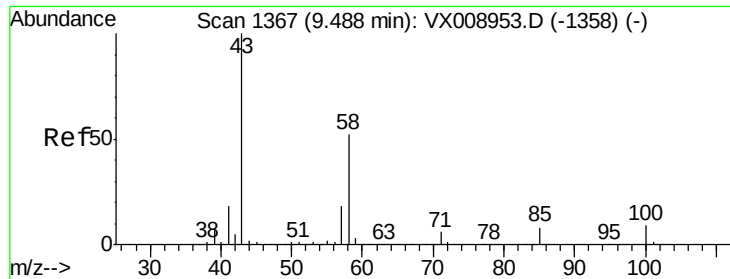
Tot Ion: 76 Resp: 107069
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 72.919 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 63 Resp: 201359
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.6

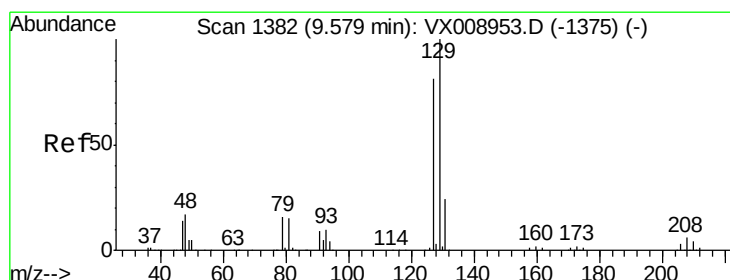
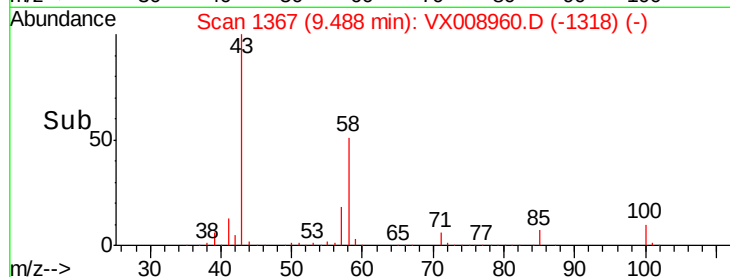
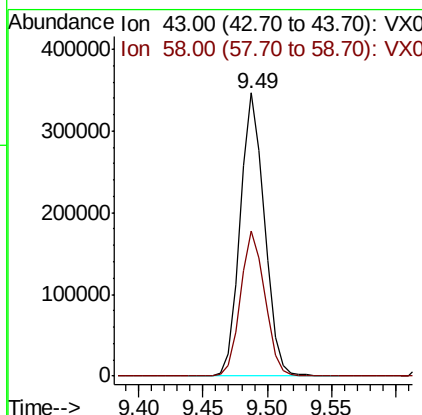
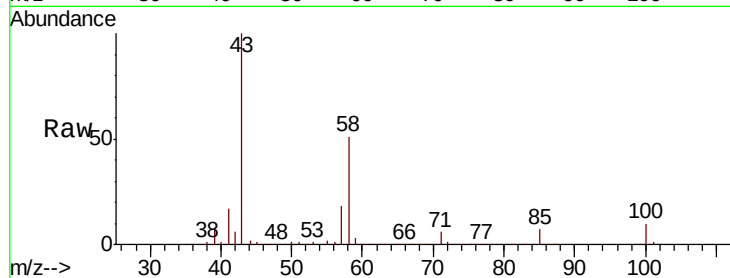




#59
2-Hexanone
Concen: 109.247 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

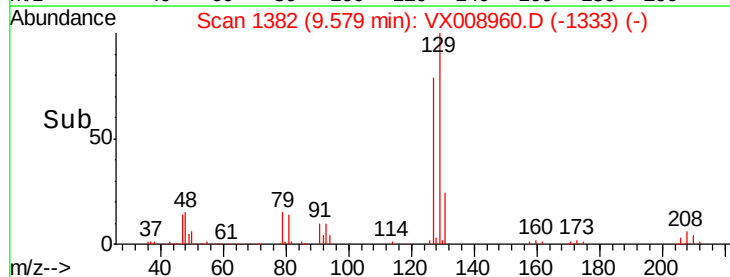
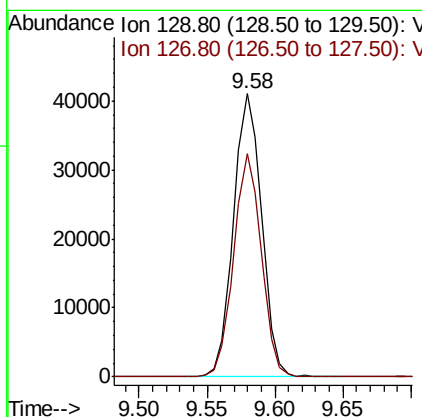
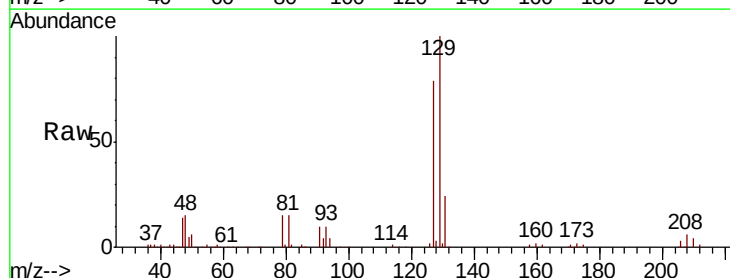
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

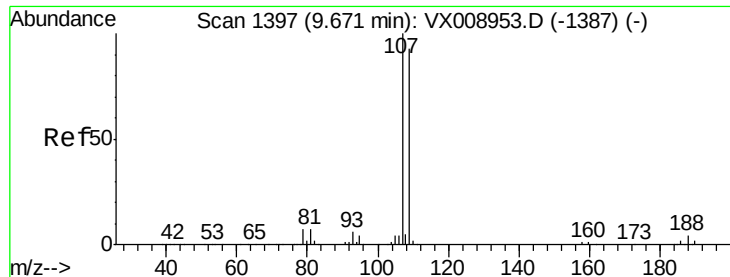
Tot Ion: 43 Resp: 454119
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8



#60
Dibromochloromethane
Concen: 21.585 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:129 Resp: 59163
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.215 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

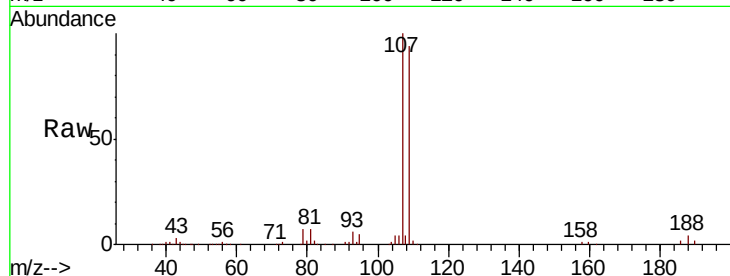
VX0415WBS01

Tot Ion: 107 Resp: 62618

Ion Ratio Lower Upper

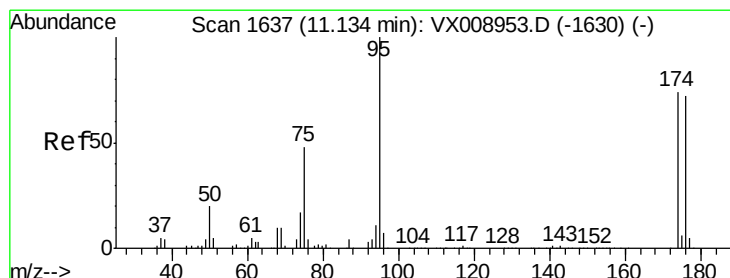
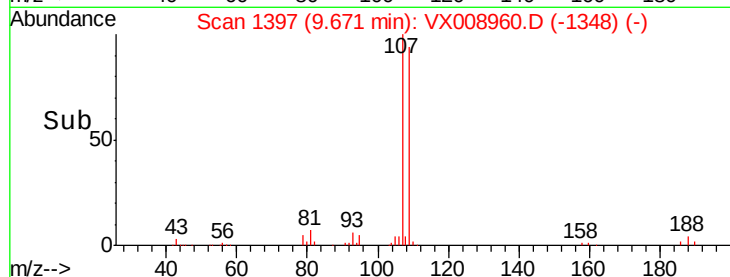
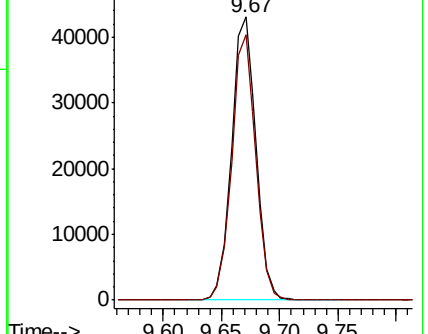
107 100

109 92.5 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: 53.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

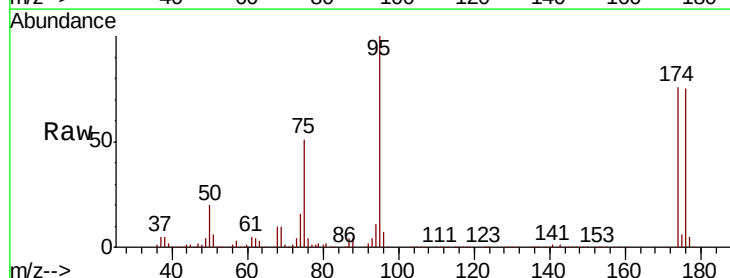
Tgt Ion: 95 Resp: 192447

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

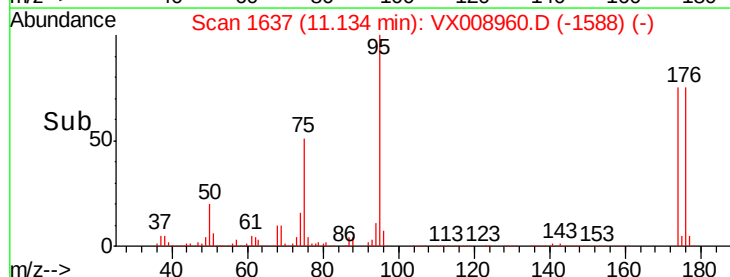
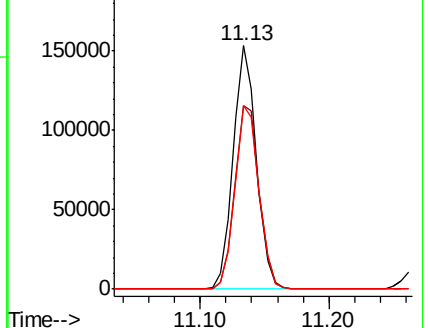
176 77.9 0.0 154.8

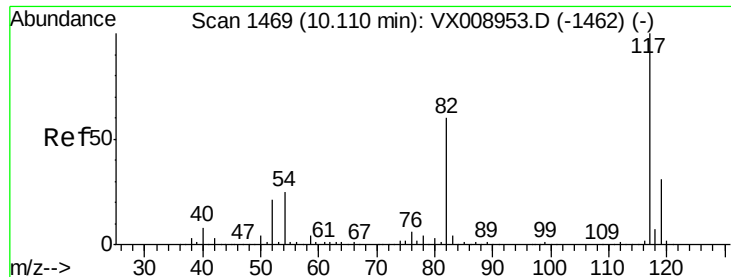


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

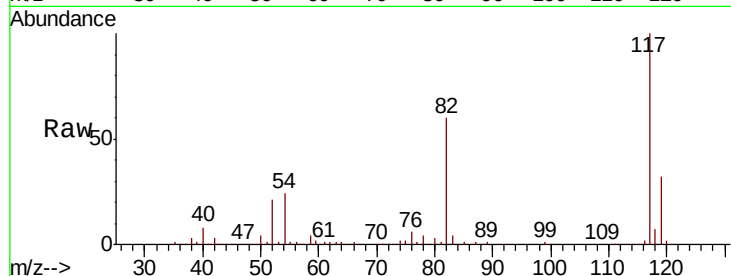




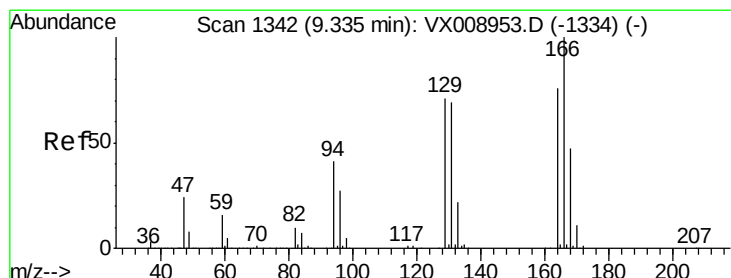
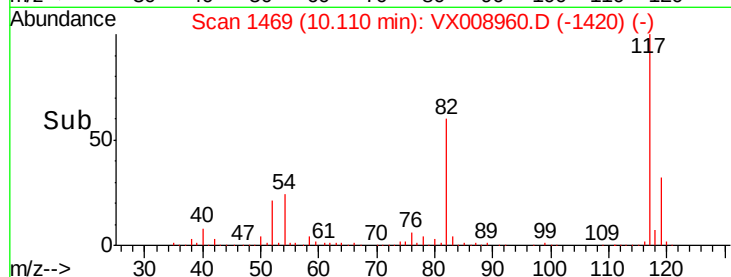
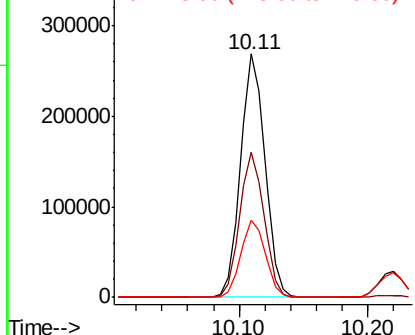
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion:117 Resp: 352297
Ion Ratio Lower Upper
117 100
82 59.7 48.2 72.4
119 31.7 25.0 37.6



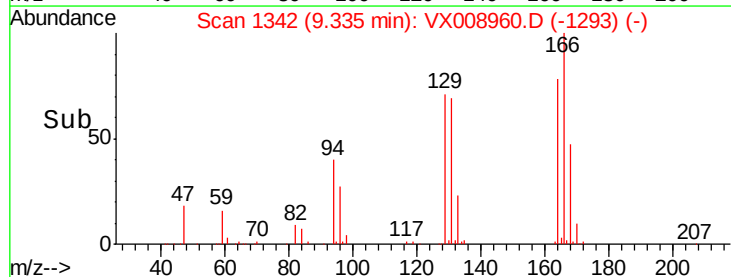
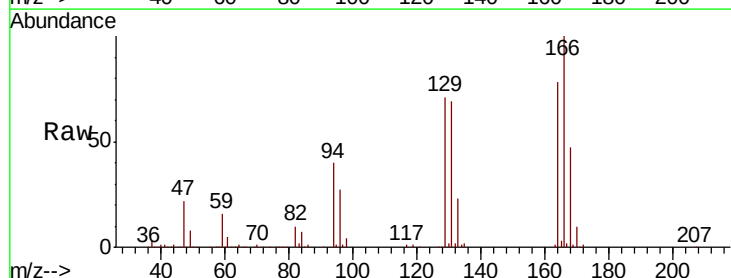
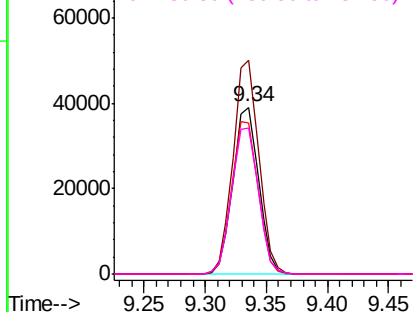
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

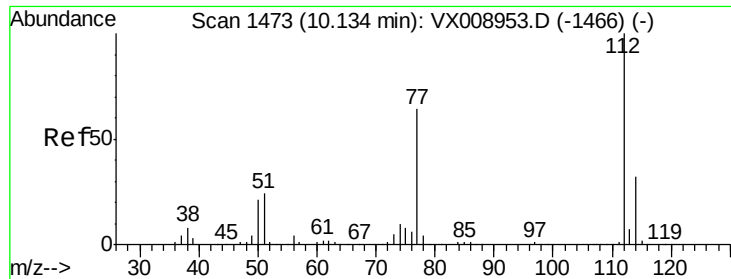


#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:164 Resp: 56913
Ion Ratio Lower Upper
164 100
166 127.9 105.0 157.4
129 90.2 74.2 111.4
131 87.6 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

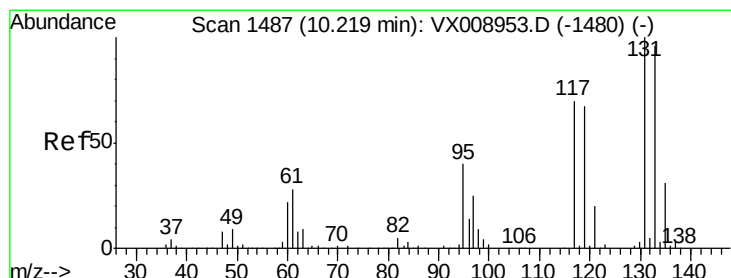
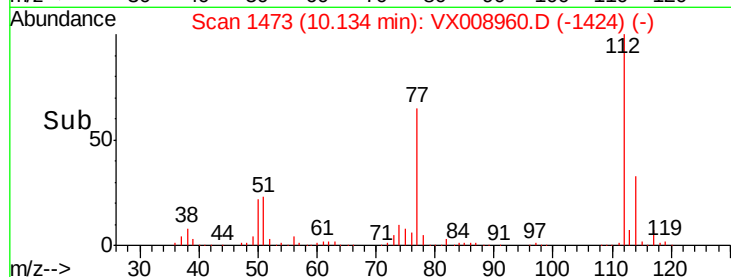
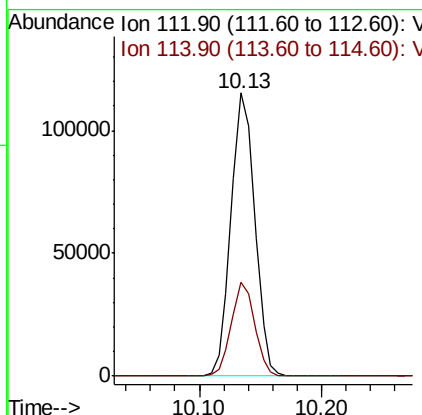
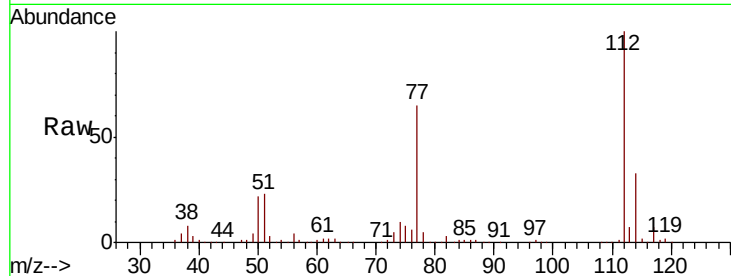




#65
Chlorobenzene
Concen: 20.897 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

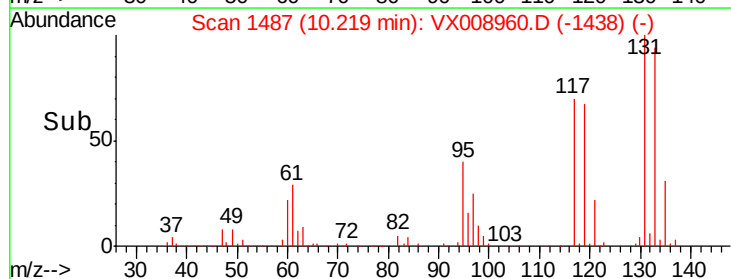
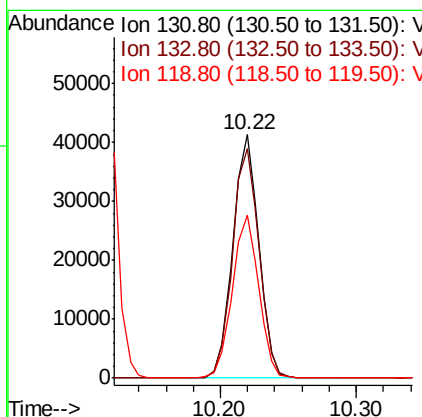
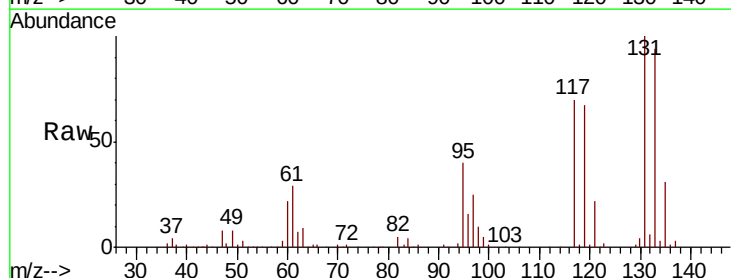
Instrument :
MSVOA_X
ClientSampled :
VX0415WBS01

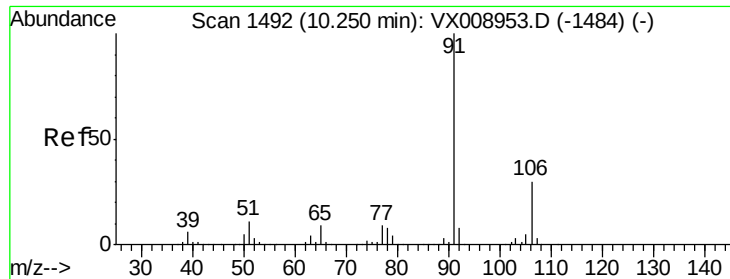
Tot Ion:112 Resp: 155393
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.931 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:131 Resp: 54830
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 68.1 33.7 101.1

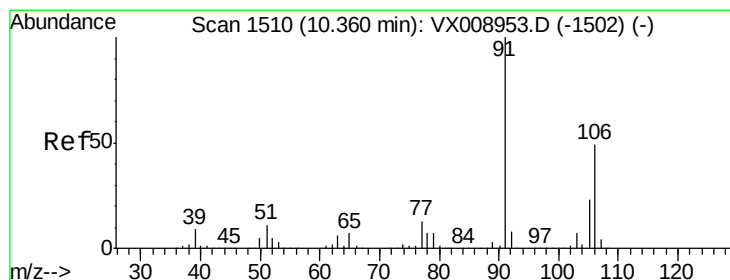
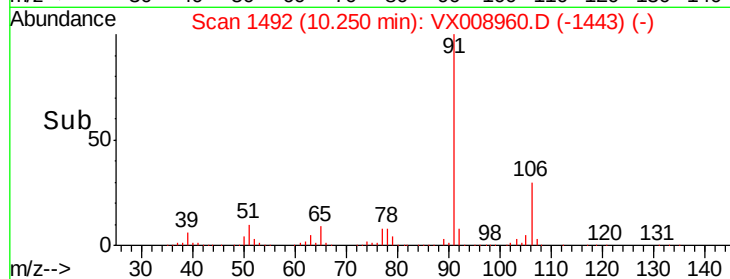
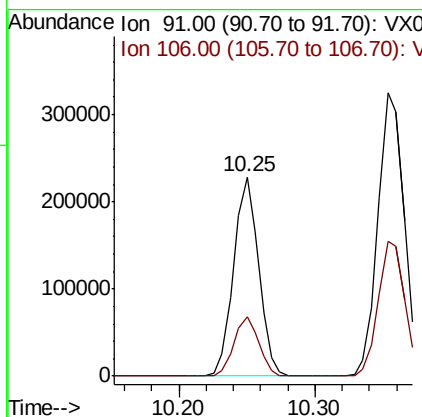
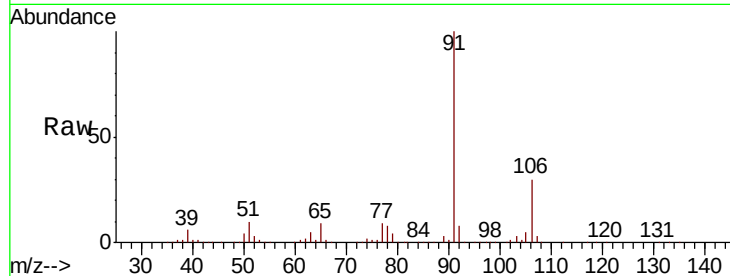




#67
Ethyl Benzene
Concen: 21.545 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

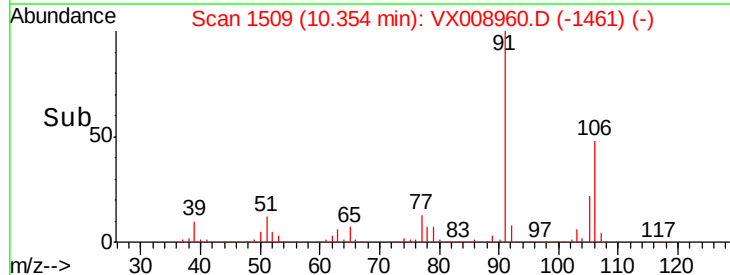
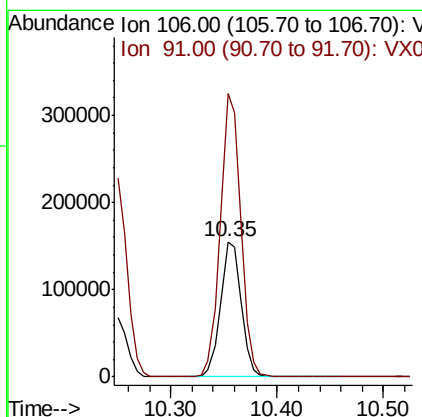
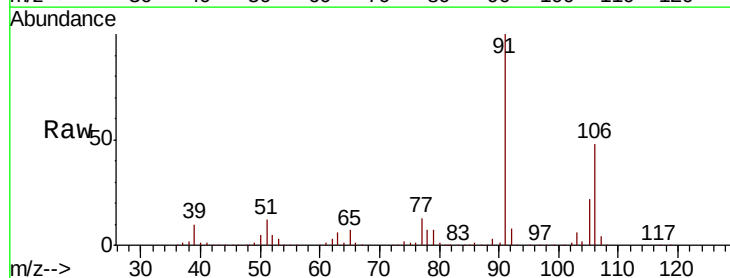
Instrument :
MSVOA_X
ClientSampled :
VX0415WBS01

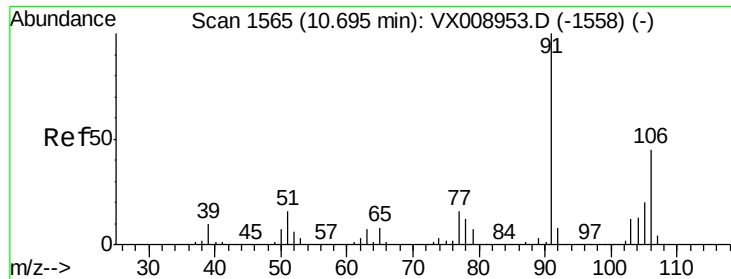
Tot Ion: 91 Resp: 292866
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 42.656 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 106 Resp: 210727
Ion Ratio Lower Upper
106 100
91 207.7 165.4 248.2

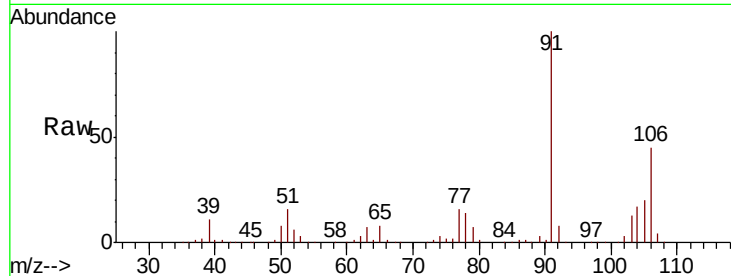




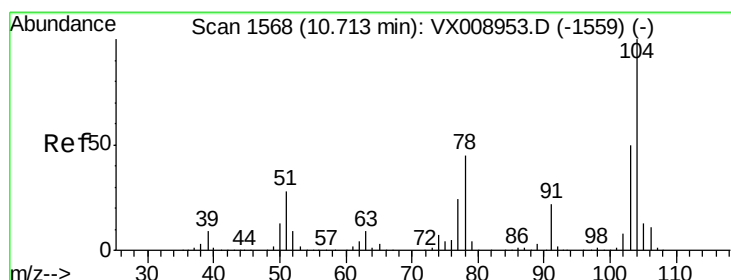
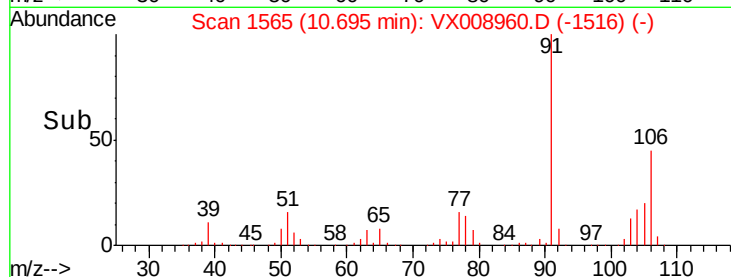
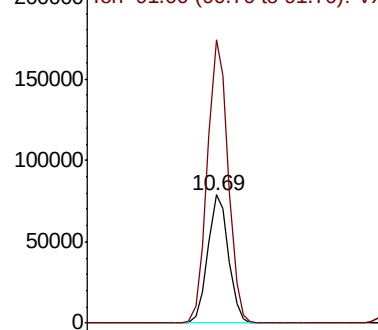
#69
o-Xylene
Concen: 21.079 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion:106 Resp: 101325
Ion Ratio Lower Upper
106 100
91 221.9 108.9 326.7

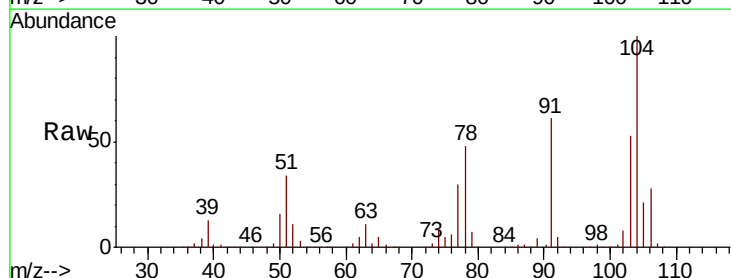


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

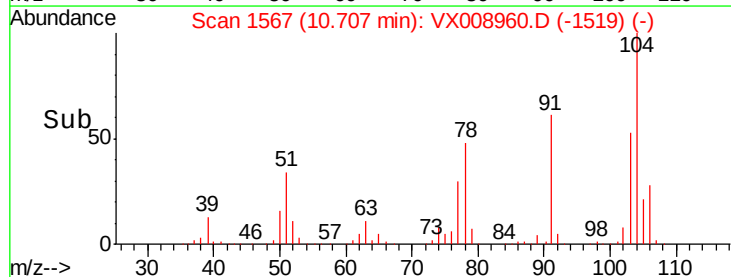
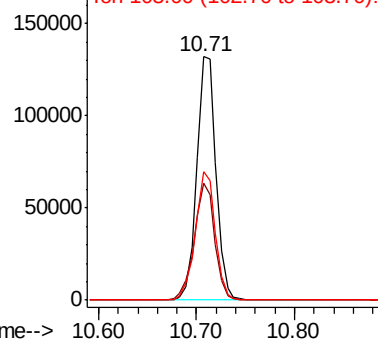


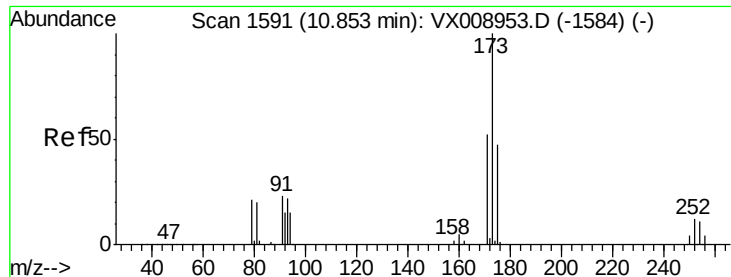
#70
Styrene
Concen: 21.505 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:104 Resp: 179136
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.0 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

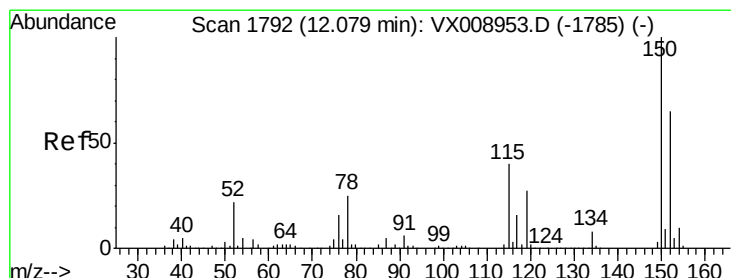
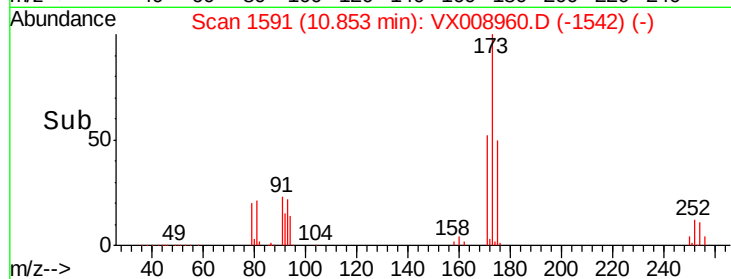
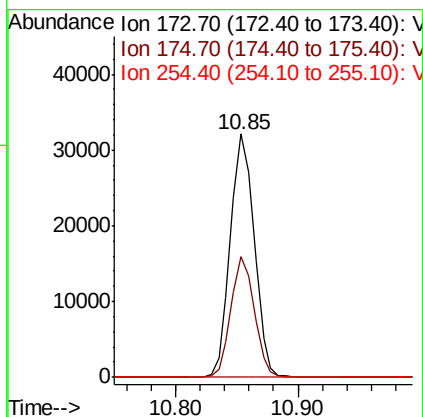
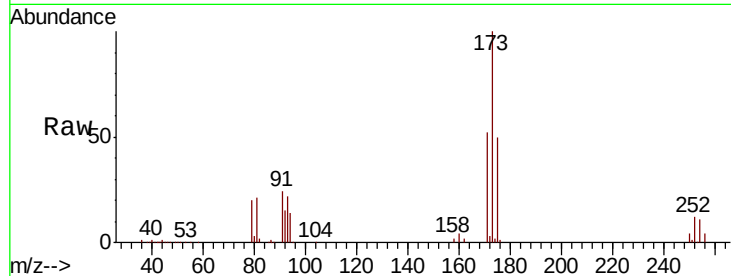




#71
Bromoform
Concen: 20.813 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

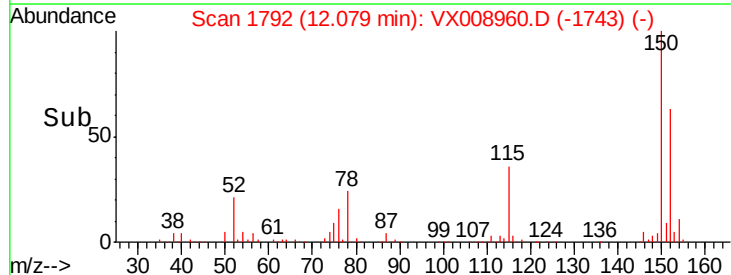
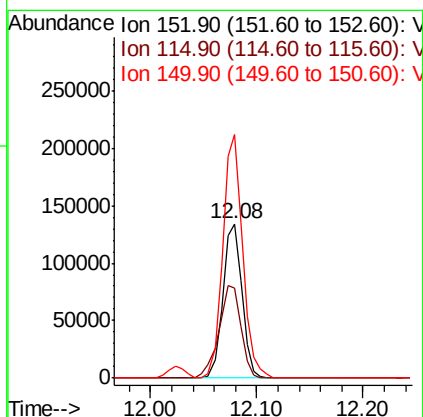
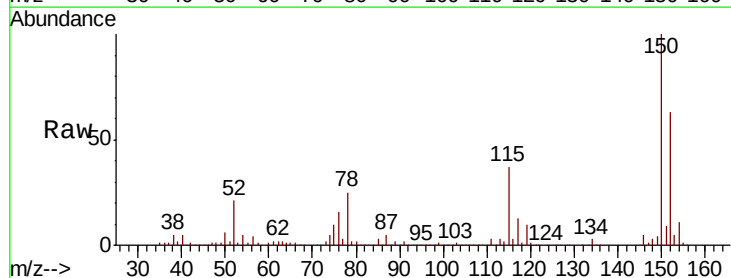
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

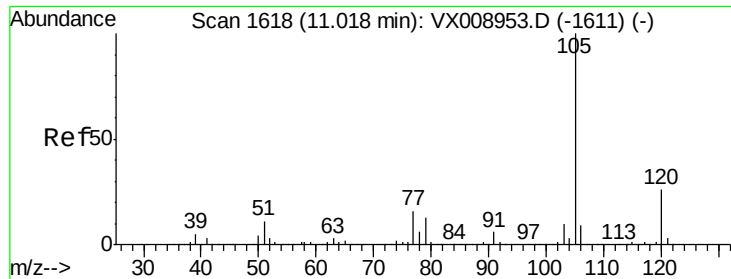
Tot Ion:173 Resp: 43437
Ion Ratio Lower Upper
173 100
175 48.4 23.9 71.8
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:152 Resp: 167635
Ion Ratio Lower Upper
152 100
115 69.1 41.4 124.2
150 164.1 0.0 349.8





#73

Isopropylbenzene

Concen: 21.877 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

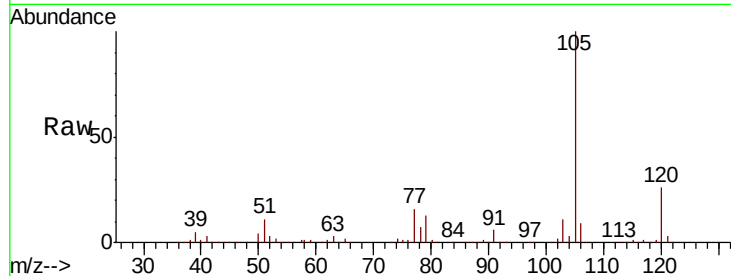
VX0415WBS01

Tot Ion:105 Resp: 277986

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

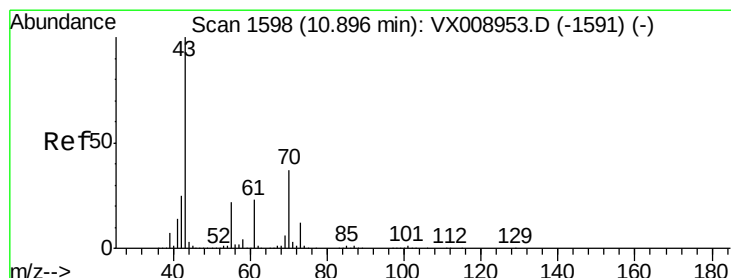
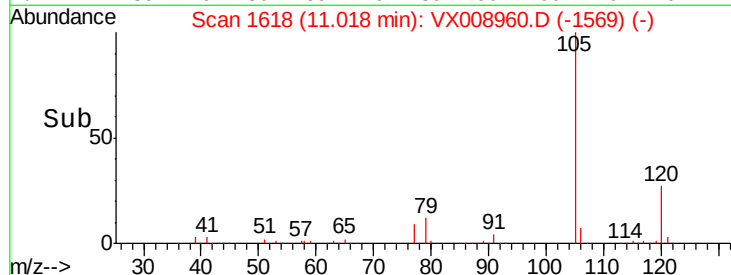
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 21.364 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion: 43 Resp: 155869

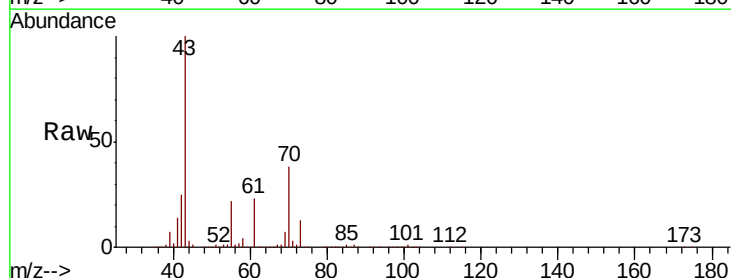
Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.5 17.8 26.8

61 22.6 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

200000

150000

100000

50000

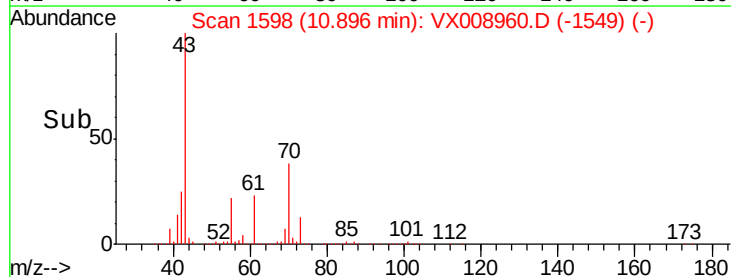
0

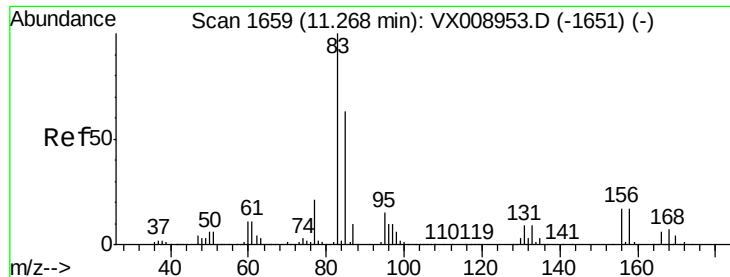
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.074 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

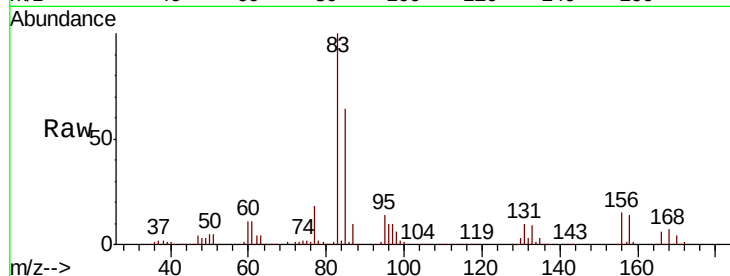
Tot Ion: 83 Resp: 97839

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

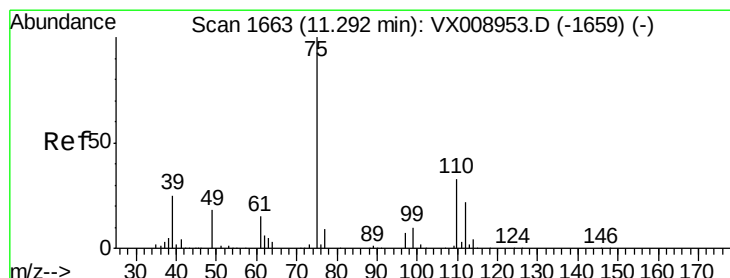
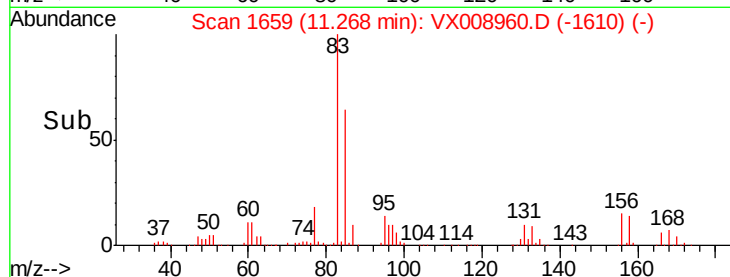
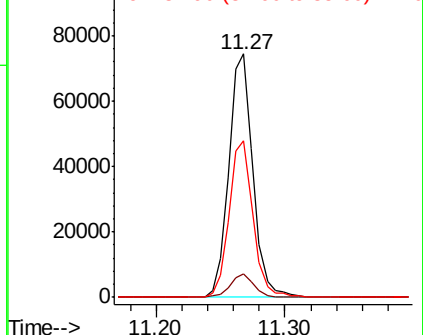
85 63.9 31.9 95.9



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: 28.554 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008960.D

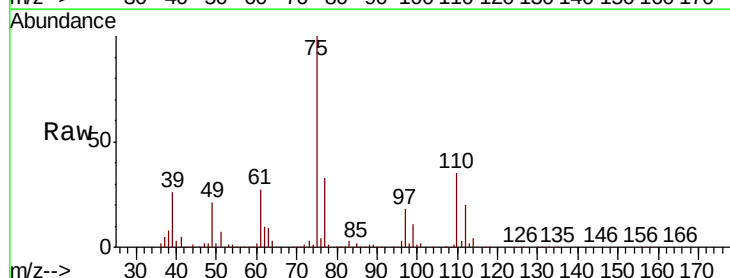
Acq: 15 Apr 2019 15:13

Tgt Ion: 75 Resp: 116880

Ion Ratio Lower Upper

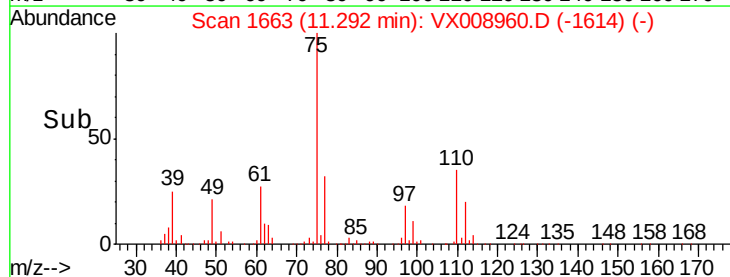
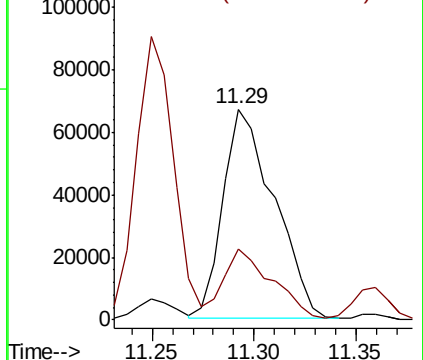
75 100

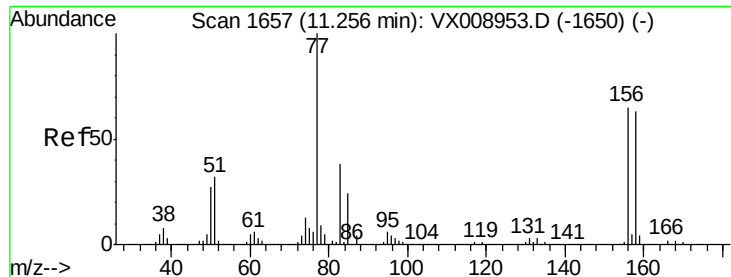
77 32.4 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.997 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

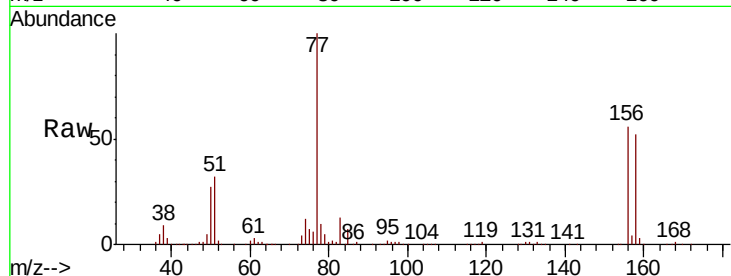
Tot Ion:156 Resp: 67314

Ion Ratio Lower Upper

156 100

77 171.8 85.4 256.1

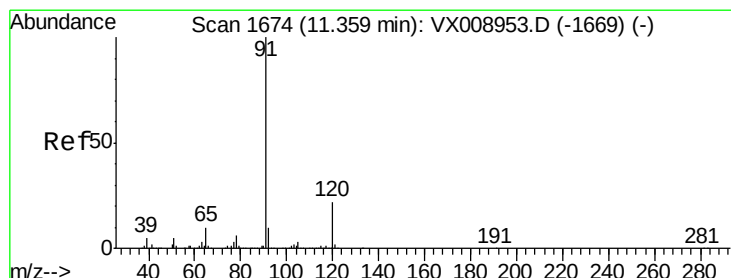
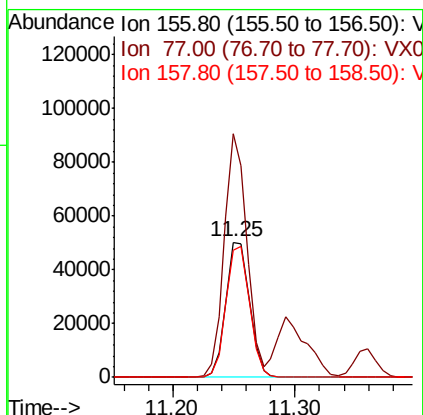
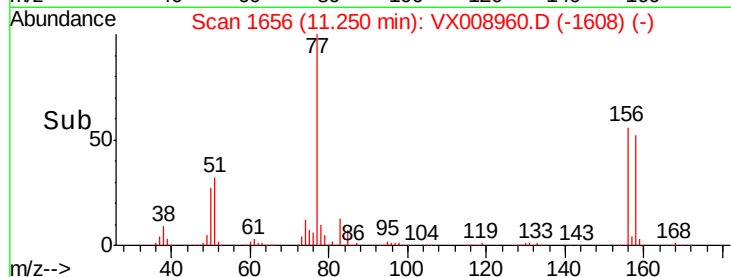
158 96.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.994 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008960.D

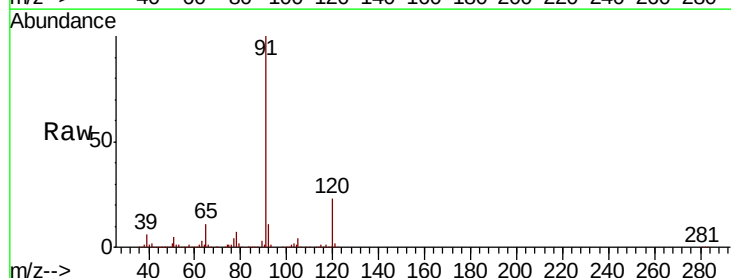
Acq: 15 Apr 2019 15:13

Tgt Ion: 91 Resp: 320762

Ion Ratio Lower Upper

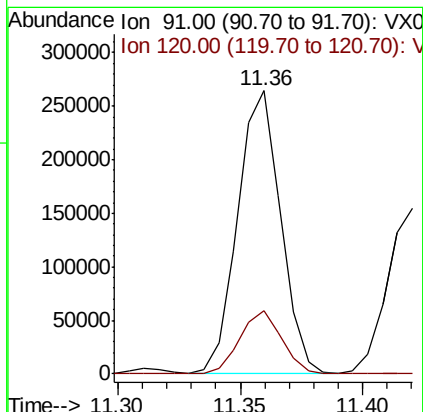
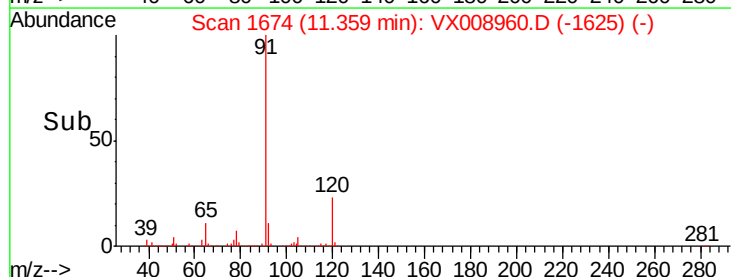
91 100

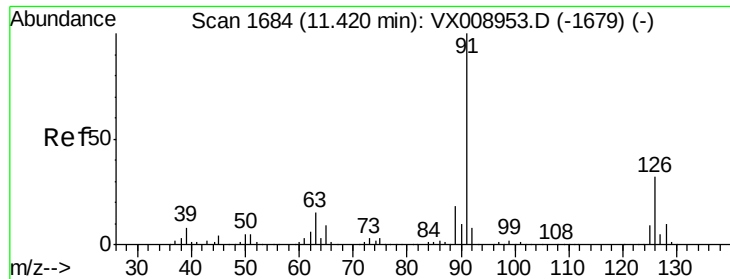
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

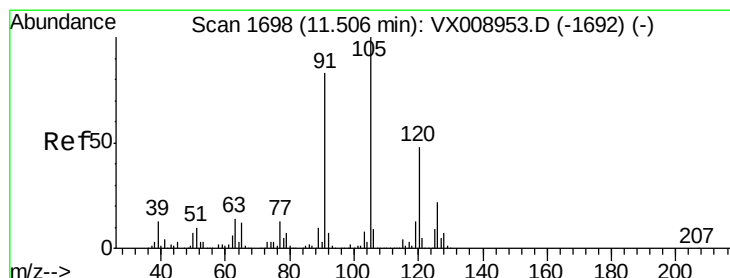
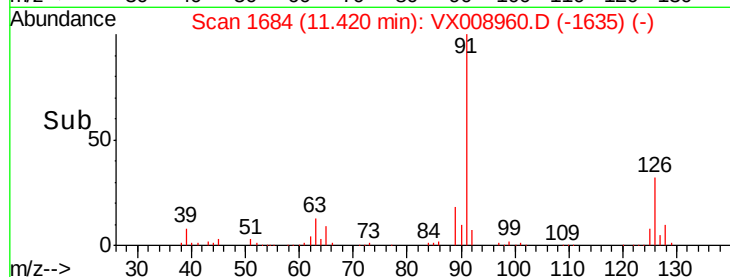
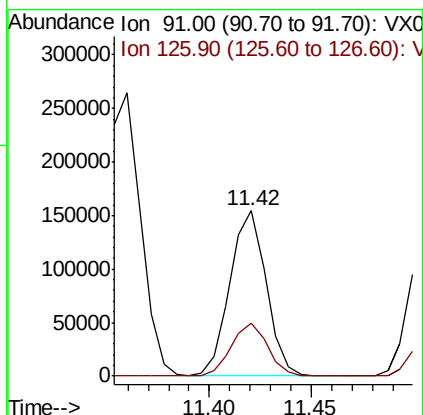
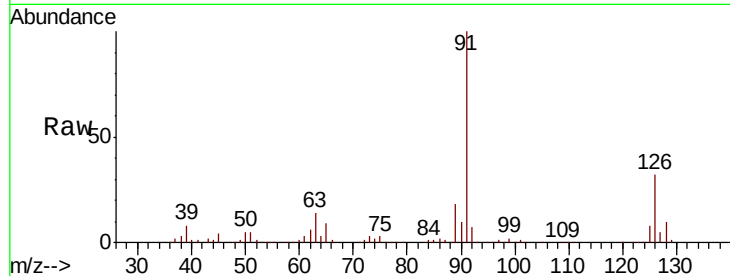




#79
 2-Chlorotoluene
 Concen: 21.582 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

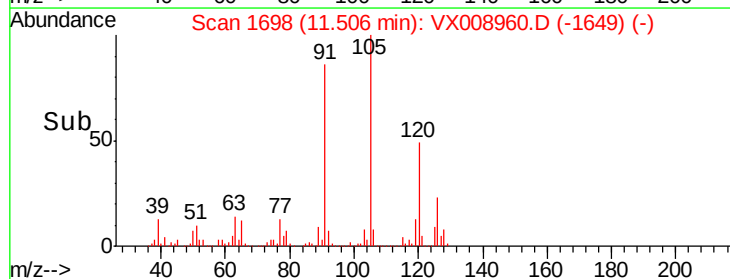
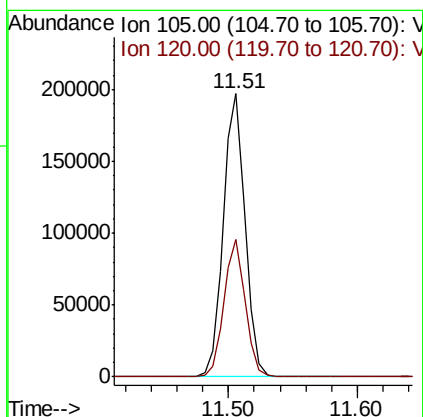
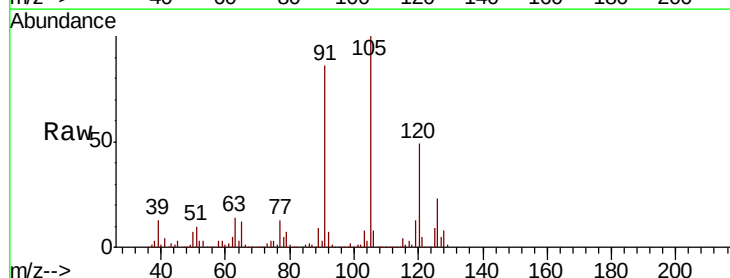
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

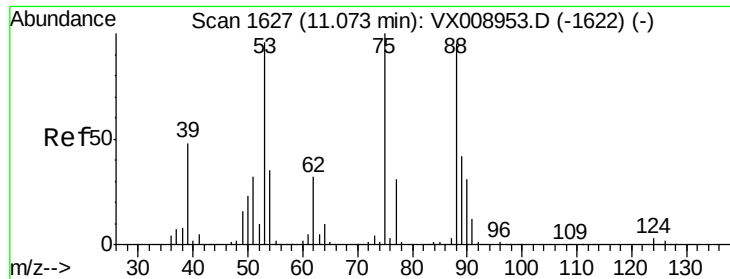
Tot Ion: 91 Resp: 189675
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 22.004 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 105 Resp: 234625
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.779 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampled :

VX0415WBS01

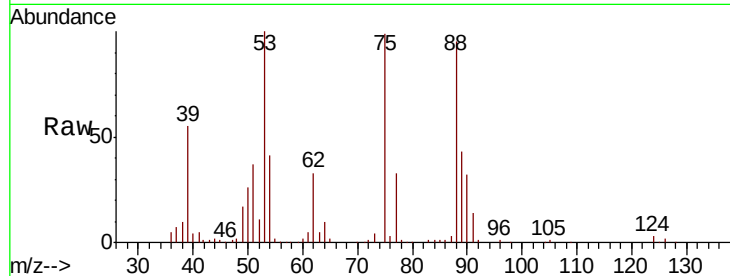
Tot Ion: 75 Resp: 33130

Ion Ratio Lower Upper

75 100

53 104.1 78.2 117.4

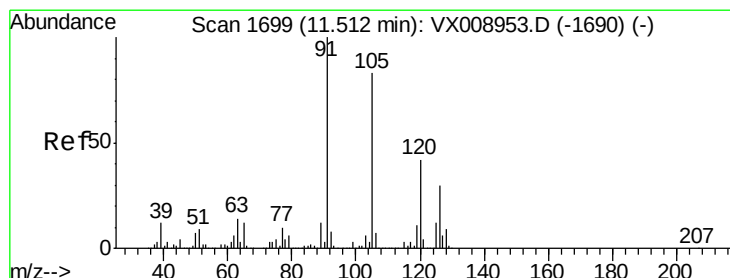
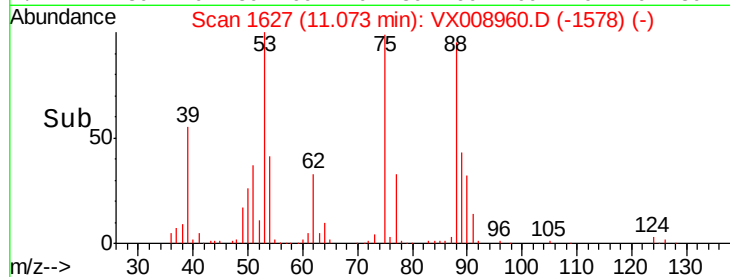
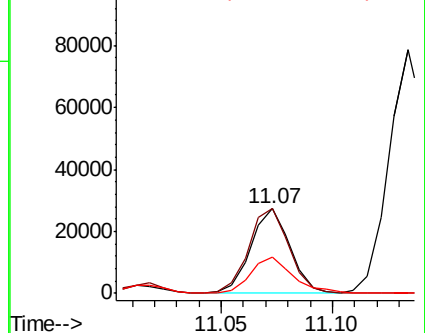
89 47.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.381 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008960.D

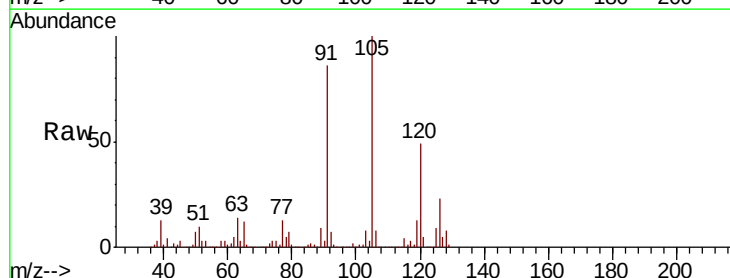
Acq: 15 Apr 2019 15:13

Tgt Ion: 91 Resp: 218231

Ion Ratio Lower Upper

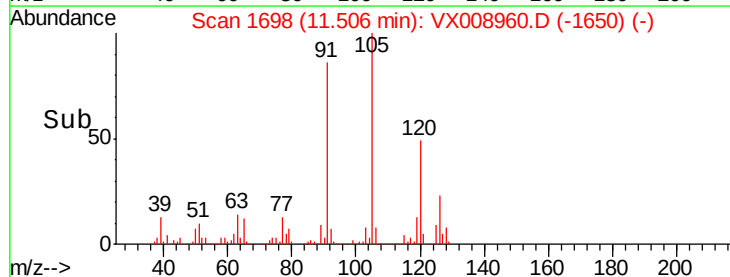
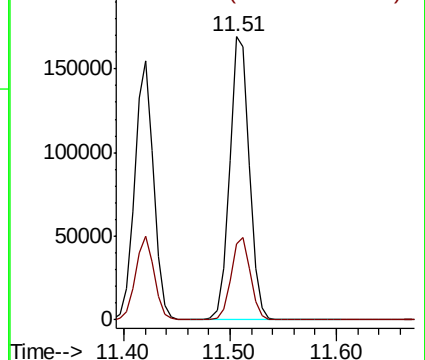
91 100

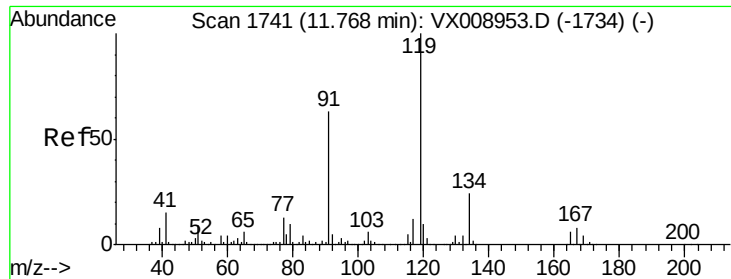
126 28.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

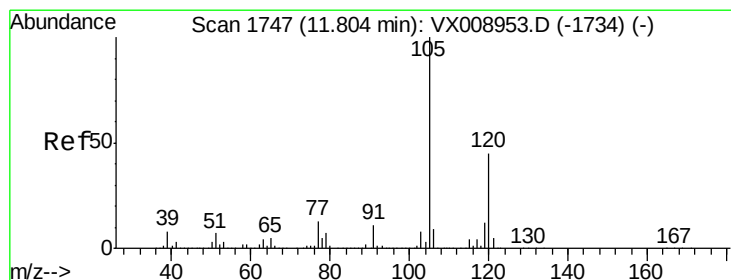
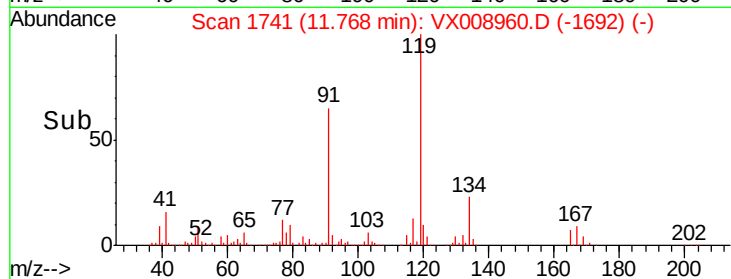
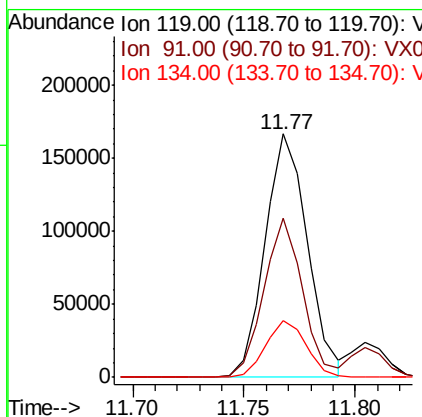
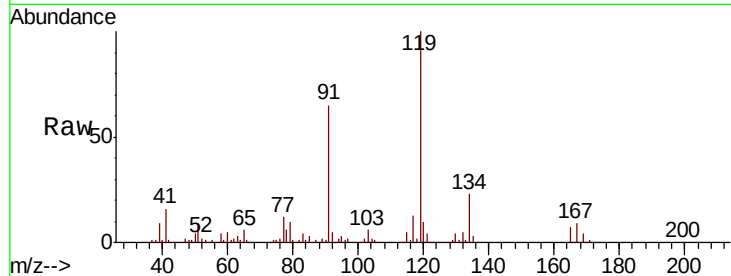




#83
 tert-Butylbenzene
 Concen: 21.512 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

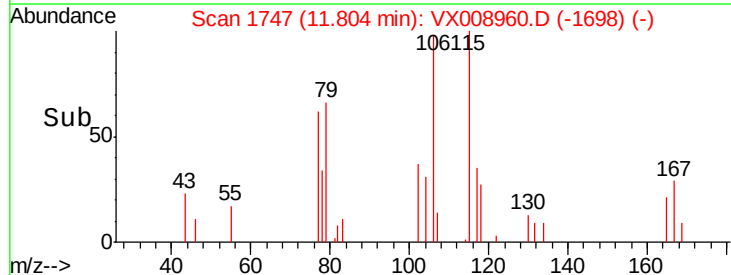
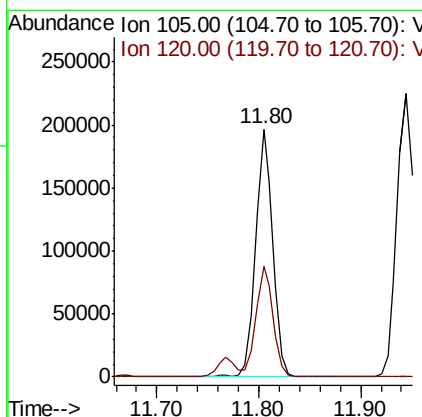
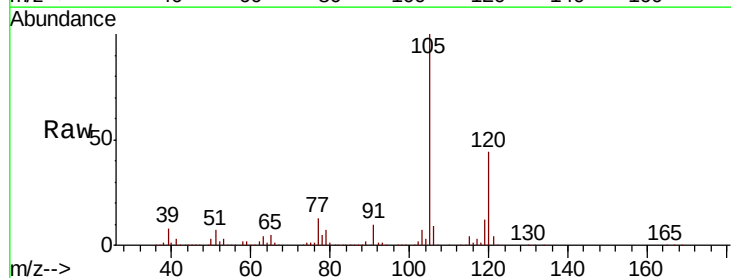
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

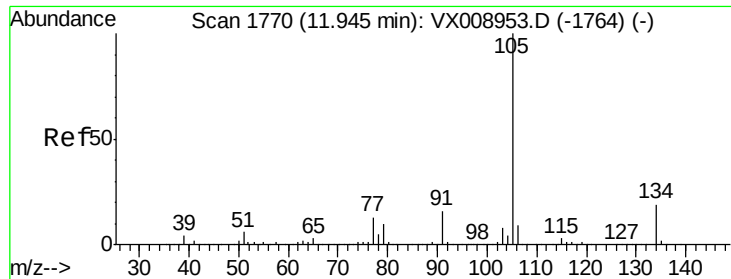
Tot Ion:119 Resp: 220225
 Ion Ratio Lower Upper
 119 100
 91 60.3 29.7 89.1
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.523 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion:105 Resp: 233606
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.8





#85

sec-Butylbenzene

Concen: 22.197 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

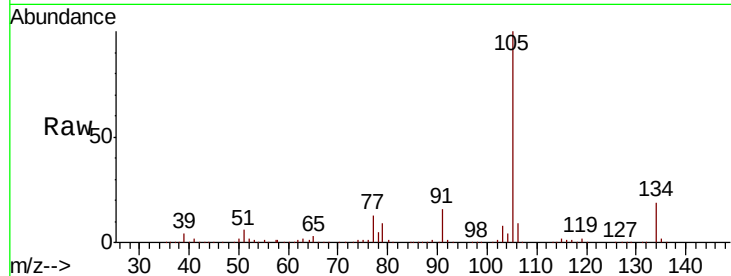
VX0415WBS01

Tot Ion:105 Resp: 271019

Ion Ratio Lower Upper

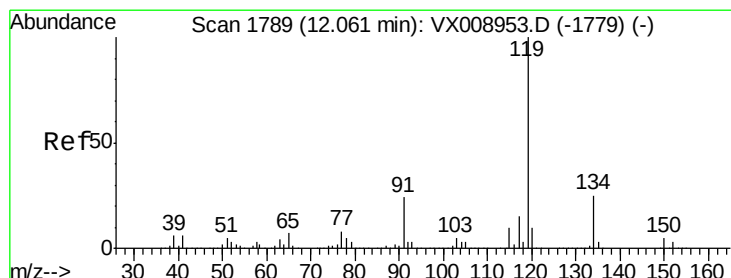
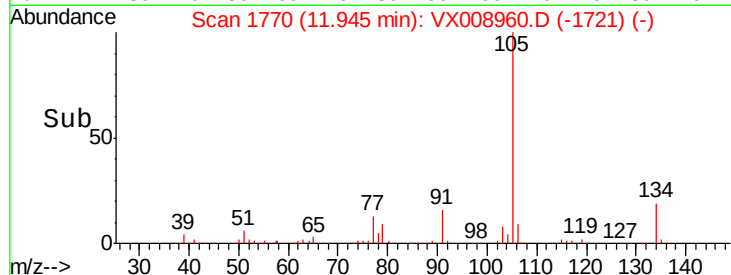
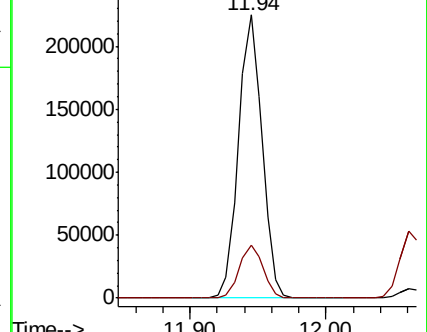
105 100

134 19.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.995 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

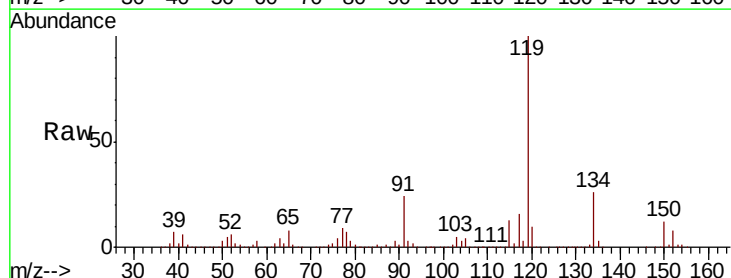
Tgt Ion:119 Resp: 246898

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

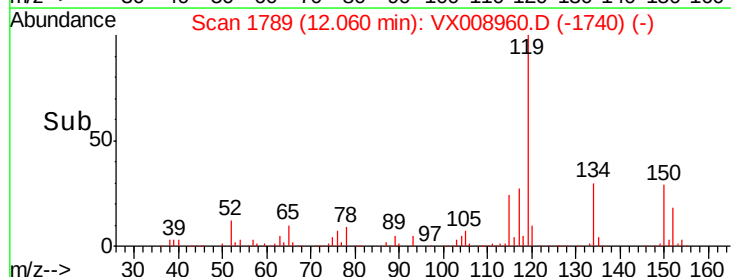
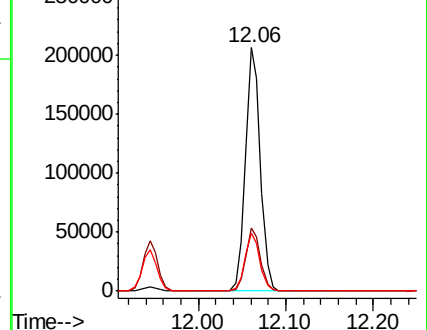
91 23.7 11.9 35.5

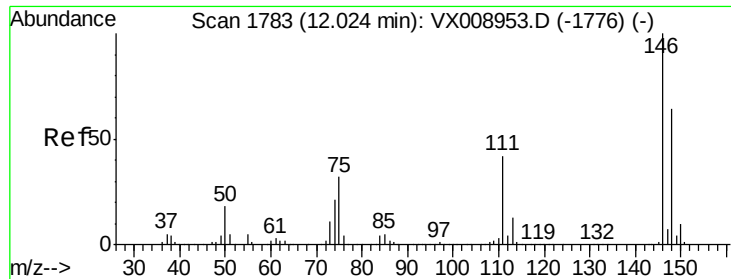


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

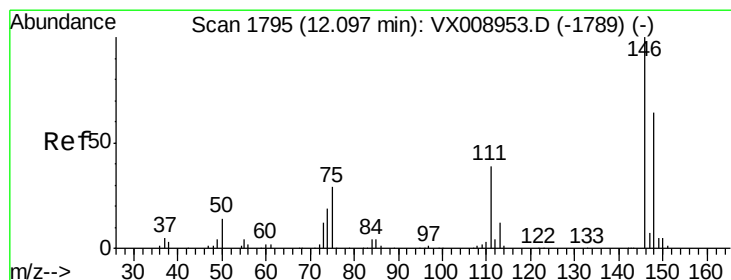
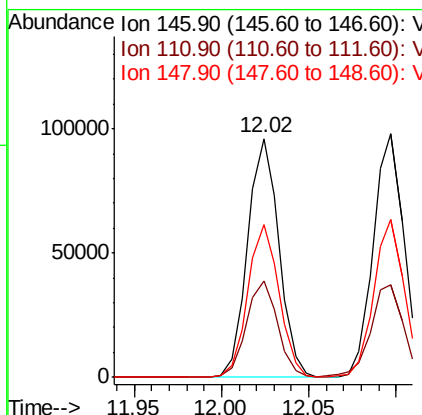
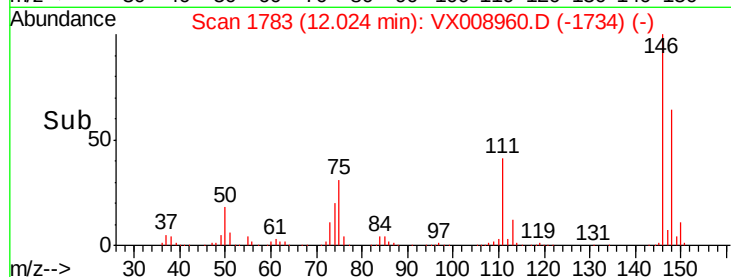
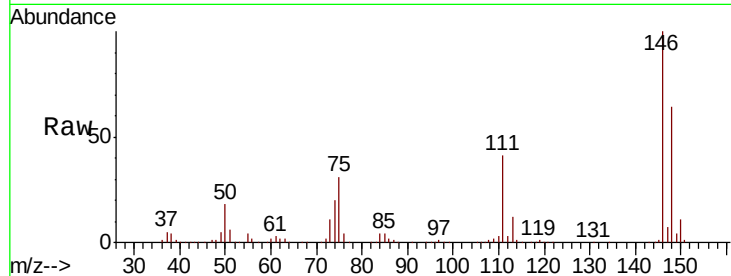




#87
 1,3-Dichlorobenzene
 Concen: 21.274 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

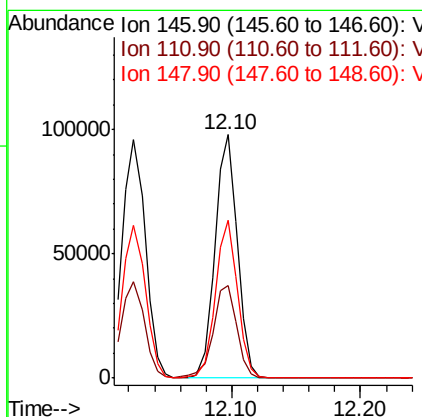
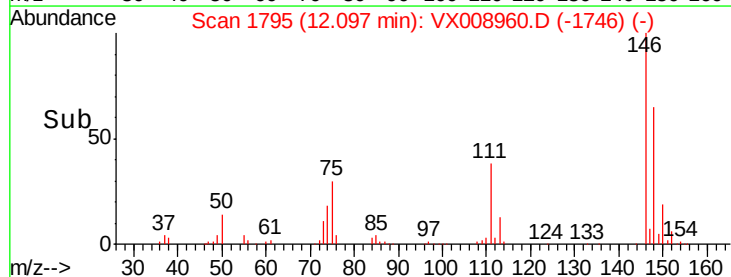
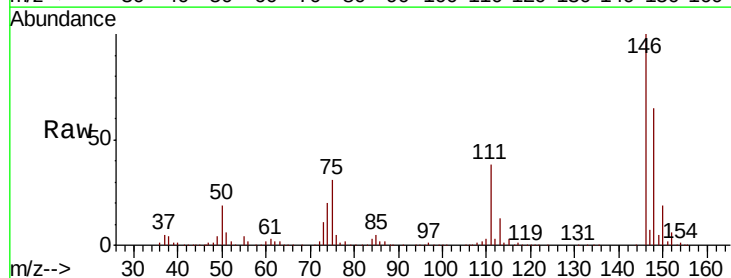
Instrument :
 MSVOA_X
 ClientSampled :
 VX0415WBS01

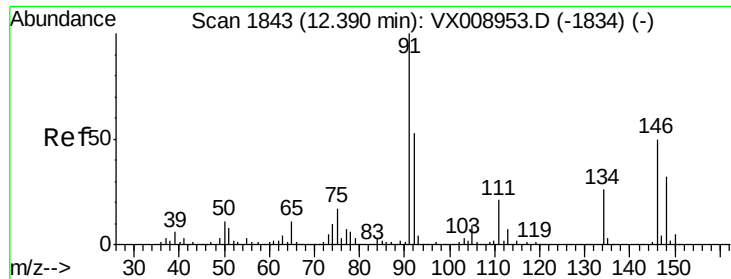
Tot Ion:146 Resp: 119369
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.5 61.6
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.073 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion:146 Resp: 119864
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 63.8 32.2 96.6

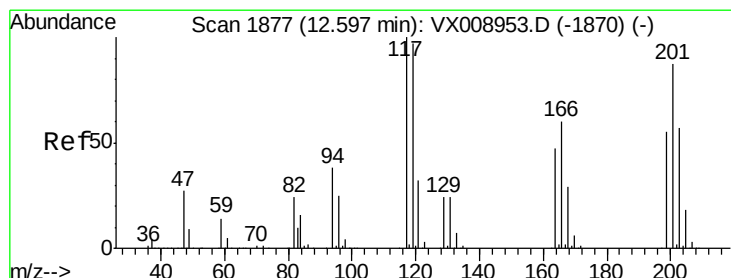
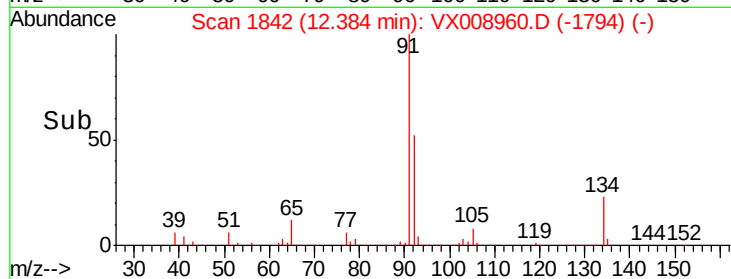
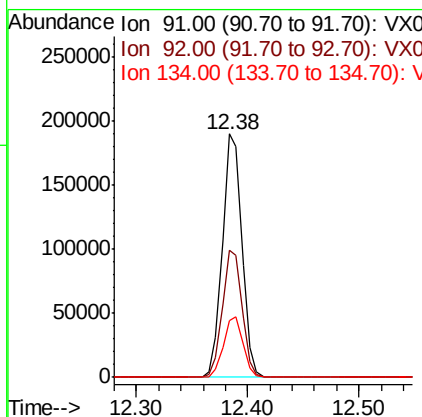
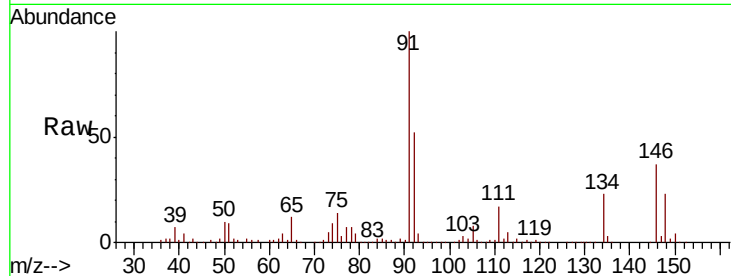




#89
n-Butylbenzene
Concen: 22.086 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

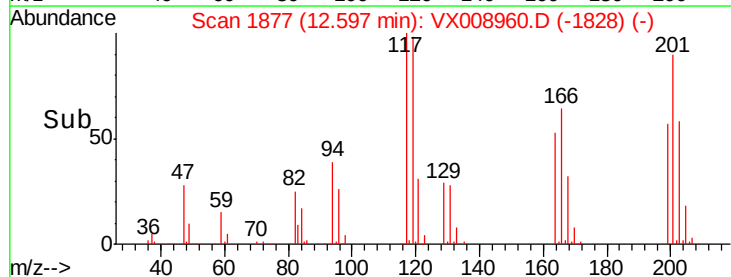
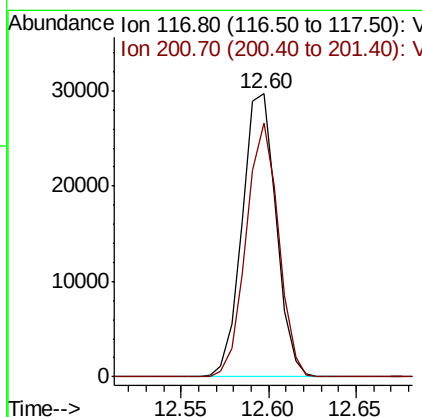
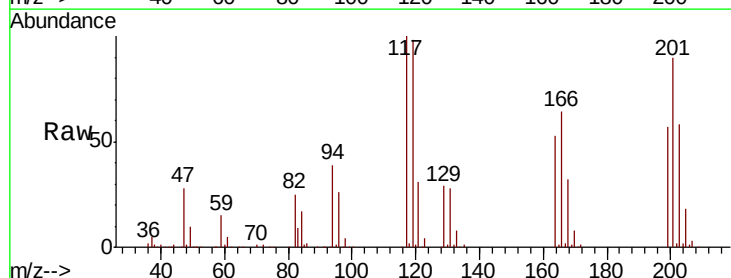
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

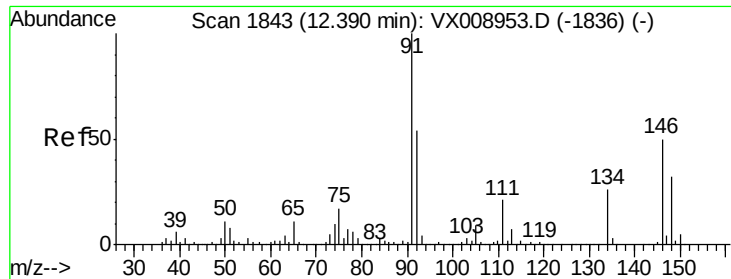
Tot Ion: 91 Resp: 230891
Ion Ratio Lower Upper
91 100
92 52.6 26.6 79.8
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 21.672 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 117 Resp: 40129
Ion Ratio Lower Upper
117 100
201 85.3 43.0 129.0





#91

1,2-Dichlorobenzene

Concen: 20.940 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

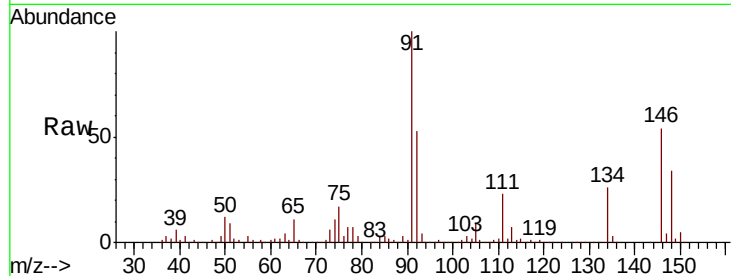
Tot Ion:146 Resp: 116025

Ion Ratio Lower Upper

146 100

111 42.1 20.6 61.9

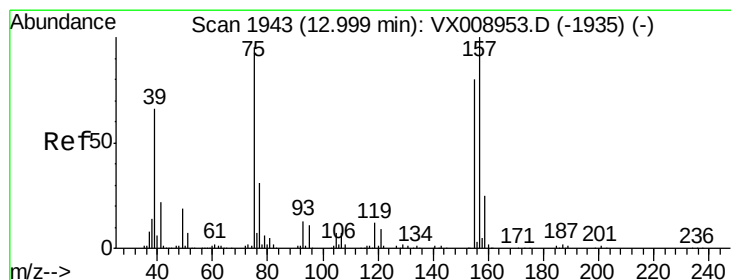
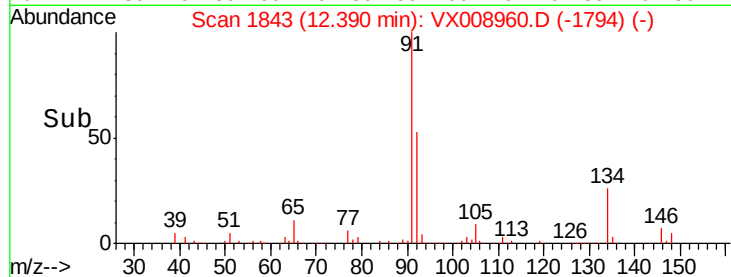
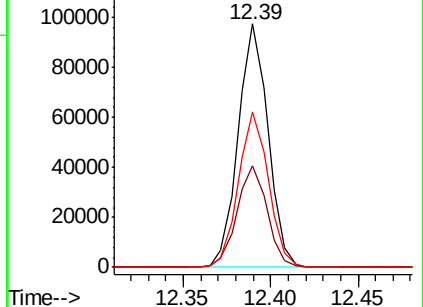
148 64.2 32.0 96.2



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: 20.437 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

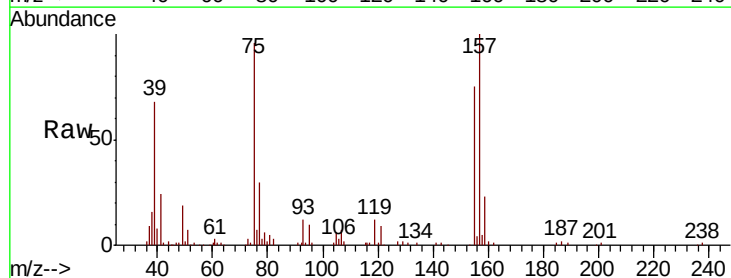
Tgt Ion: 75 Resp: 21603

Ion Ratio Lower Upper

75 100

155 78.3 41.2 123.6

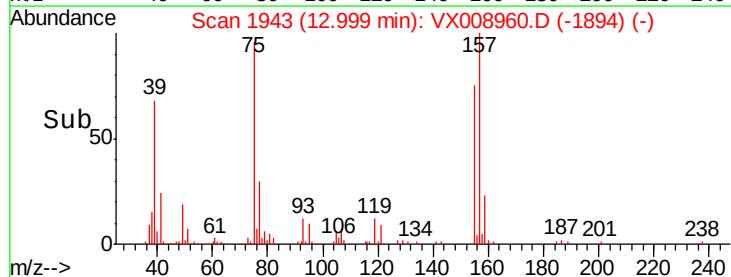
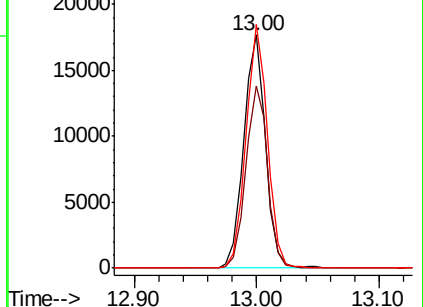
157 103.4 52.5 157.6

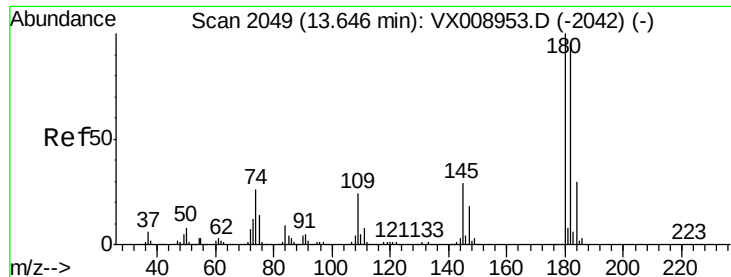


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

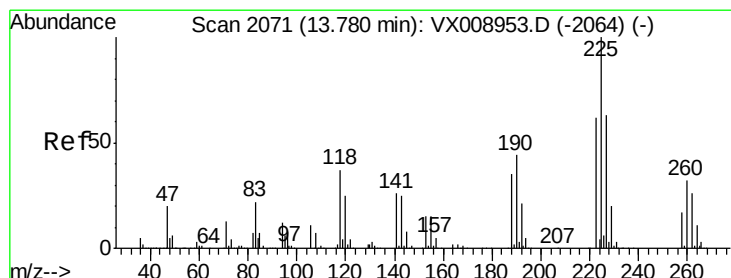
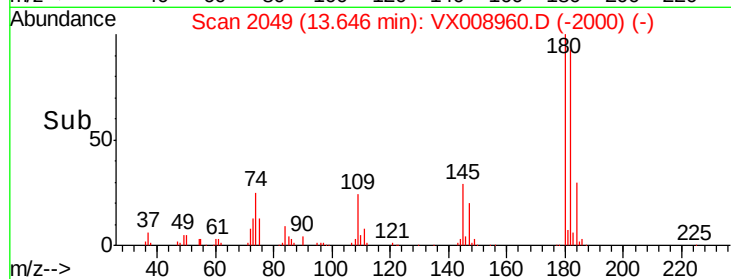
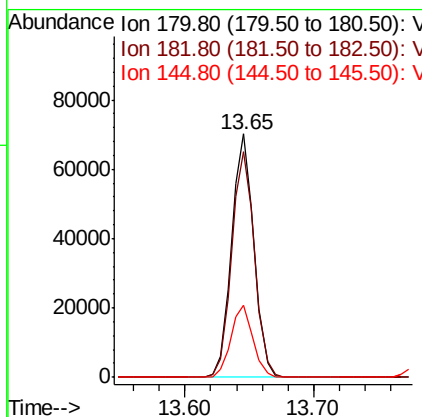
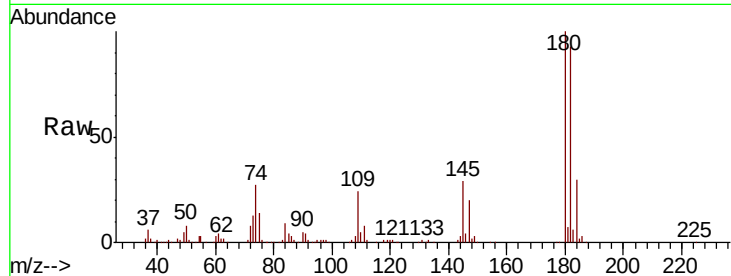




#93
 1,2,4-Trichlorobenzene
 Concen: 21.306 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

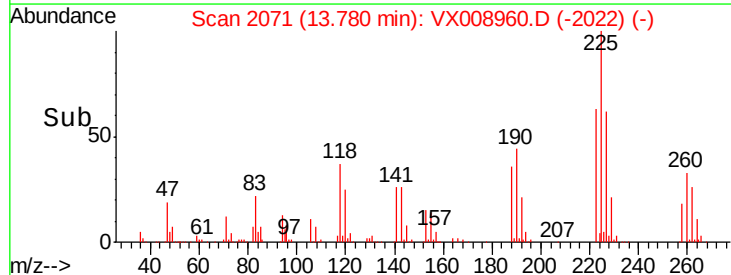
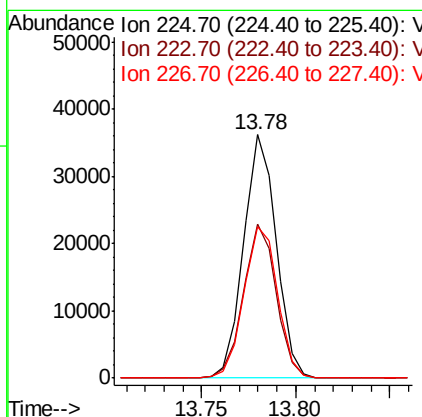
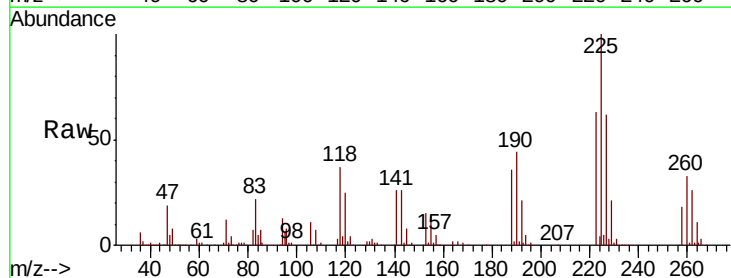
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

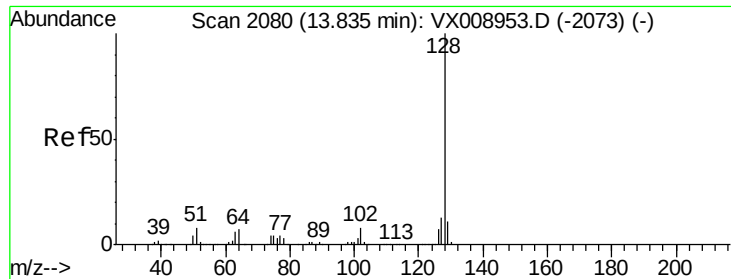
Tot Ion:180 Resp: 85217
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.6 142.9
 145 29.2 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 21.813 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion:225 Resp: 43515
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.2
 227 64.4 32.0 96.2





#95

Naphthalene

Concen: 20.789 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

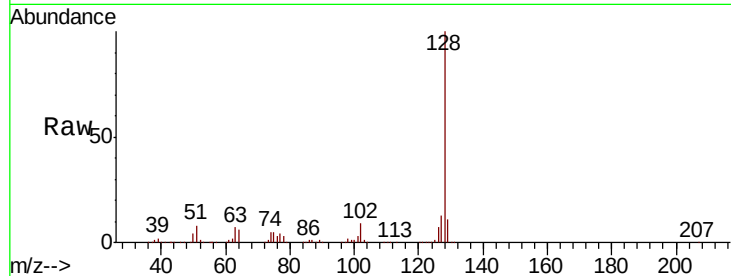
Tot Ion:128 Resp: 266402

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

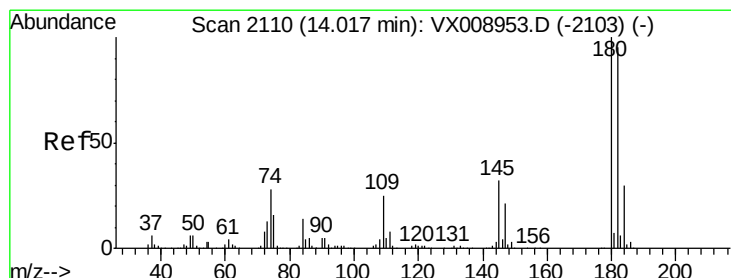
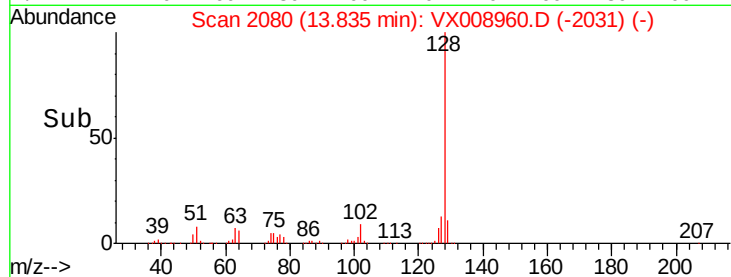
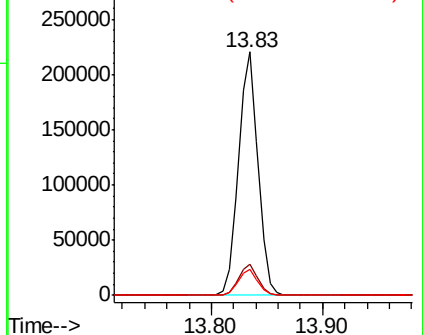
129 10.8 8.6 13.0



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: 21.257 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

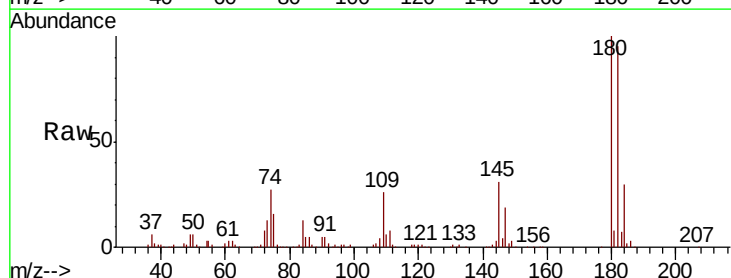
Tgt Ion:180 Resp: 83889

Ion Ratio Lower Upper

180 100

182 95.4 47.8 143.4

145 31.4 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

