

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009013.D
 Acq On : 17 Apr 2019 14:37
 Operator : JC/SP
 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Quant Time: Apr 18 01:36:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	154083	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	5.50	113	111544	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	450670	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	157484	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	50596	20.430	ug/l	100
3) Chloromethane	1.32	50	62718	20.629	ug/l	100
4) Vinyl Chloride	1.40	62	60234	20.355	ug/l	99
5) Bromomethane	1.64	94	34181	20.874	ug/l	99
6) Chloroethane	1.72	64	35532	20.420	ug/l	98
7) Trichlorofluoromethane	1.93	101	68167	19.730	ug/l	99
8) Diethyl Ether	2.19	74	31672	20.045	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	42708	19.333	ug/l	99
10) Methyl Iodide	2.51	142	45461	21.575	ug/l	99
11) Tert butyl alcohol	3.05	59	72165	107.292	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44881	19.465	ug/l	98
13) Acrolein	2.29	56	47525	81.777	ug/l	99
14) Allyl chloride	2.73	41	102951	20.466	ug/l	98
15) Acrylonitrile	3.14	53	178608	104.609	ug/l	99
16) Acetone	2.45	43	159282	101.367	ug/l	99
17) Carbon Disulfide	2.57	76	127357	19.578	ug/l	99
18) Methyl Acetate	2.78	43	80700	20.578	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	169755	20.662	ug/l	99
20) Methylene Chloride	2.85	84	53225	19.807	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48472	19.709	ug/l	94
22) Diisopropyl ether	3.85	45	205348	21.007	ug/l	99
23) Vinyl Acetate	3.81	43	913168	106.274	ug/l	99
24) 1,1-Dichloroethane	3.70	63	99444	20.266	ug/l	99
25) 2-Butanone	4.67	43	266924	106.273	ug/l	99
26) 2,2-Dichloropropane	4.59	77	66887	18.185	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56117	20.097	ug/l	99
28) Bromochloromethane	5.02	49	48661	22.827	ug/l #	21
29) Tetrahydrofuran	5.13	42	177544	105.611	ug/l	99
30) Chloroform	5.21	83	90460	20.602	ug/l	99
31) Cyclohexane	5.58	56	95746	19.839	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	73514	20.200	ug/l	100
36) 1,1-Dichloropropene	5.80	75	69669	18.894	ug/l	99
37) Ethyl Acetate	4.84	43	100379	21.156	ug/l	100
38) Carbon Tetrachloride	5.78	117	60640	19.399	ug/l	97

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 Data File : VX009013.D
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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Quant Time: Apr 18 01:36:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83602	18.622	ug/l	99
40) Benzene	6.14	78	215327	19.795	ug/l	99
41) Methacrylonitrile	5.04	41	55921	20.536	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76308	19.803	ug/l	99
43) Isopropyl Acetate	6.45	43	155329	20.315	ug/l	100
44) Trichloroethene	7.21	130	50560	18.970	ug/l	99
45) 1,2-Dichloropropane	7.51	63	61371	20.337	ug/l	100
46) Dibromomethane	7.66	93	34299	19.529	ug/l	100
47) Bromodichloromethane	7.90	83	66860	19.410	ug/l	99
48) Methyl methacrylate	7.77	41	78744	20.843	ug/l	99
49) 1,4-Dioxane	7.74	88	28736	406.377	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	516124	105.955	ug/l	99
52) Toluene	8.78	92	129589	19.878	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	76195	19.220	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	84319	18.995	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51526	19.942	ug/l	99
56) Ethyl methacrylate	9.18	69	94419	20.380	ug/l	98
57) 1,3-Dichloropropane	9.37	76	91935	19.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	288251	115.539	ug/l	99
59) 2-Hexanone	9.49	43	394560	105.060	ug/l	99
60) Dibromochloromethane	9.58	129	49502	19.990	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52623	19.734	ug/l	98
64) Tetrachloroethene	9.34	164	47443	19.931	ug/l	96
65) Chlorobenzene	10.14	112	129532	19.586	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	46194	19.827	ug/l	99
67) Ethyl Benzene	10.25	91	241458	19.972	ug/l	99
68) m/p-Xylenes	10.36	106	172748	39.317	ug/l	99
69) o-Xylene	10.70	106	84666	19.804	ug/l	98
70) Styrene	10.71	104	147024	19.845	ug/l	100
71) Bromoform	10.85	173	35915	19.349	ug/l #	99
73) Isopropylbenzene	11.02	105	225637	20.789	ug/l	100
74) N-amyl acetate	10.90	43	131745	21.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84287	21.254	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	96079	27.479	ug/l	81
77) Bromobenzene	11.26	156	54019	19.726	ug/l	97
78) n-propylbenzene	11.36	91	257041	20.633	ug/l	99
79) 2-Chlorotoluene	11.42	91	153222	20.410	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	187622	20.599	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26576	19.513	ug/l	94
82) 4-Chlorotoluene	11.51	91	175411	20.119	ug/l	100
83) tert-Butylbenzene	11.77	119	179248	20.498	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	189791	20.471	ug/l	100
85) sec-Butylbenzene	11.94	105	215604	20.673	ug/l	100
86) p-Isopropyltoluene	12.06	119	193532	20.184	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	93478	19.503	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	92790	19.098	ug/l	98
89) n-Butylbenzene	12.38	91	173213	19.397	ug/l	99
90) Hexachloroethane	12.60	117	31848	20.136	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	95158	20.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18288	20.254	ug/l	97

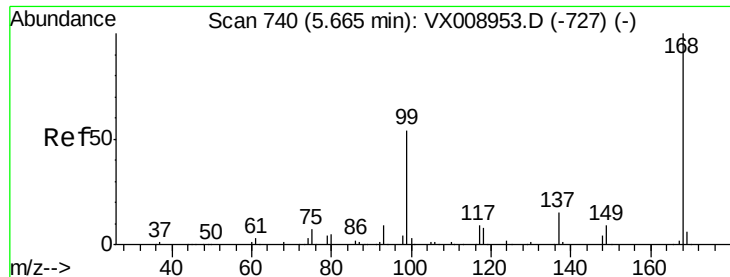
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009013.D
Acq On : 17 Apr 2019 14:37
Operator : JC/SP
Sample : VX0417WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Quant Time: Apr 18 01:36:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63997	18.731	ug/l	99
94) Hexachlorobutadiene	13.78	225	33127	19.441	ug/l	99
95) Naphthalene	13.83	128	215182	19.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65379	19.394	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

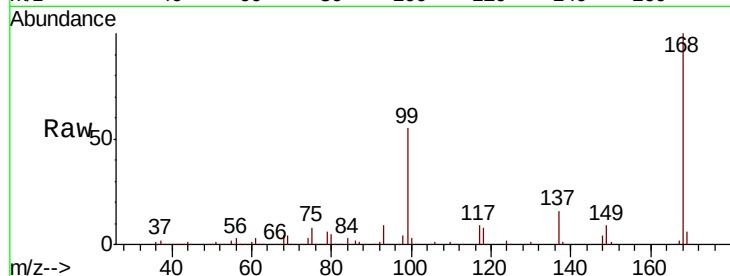
VX0417WBSD01

Tot Ion:168 Resp: 215010

Ion Ratio Lower Upper

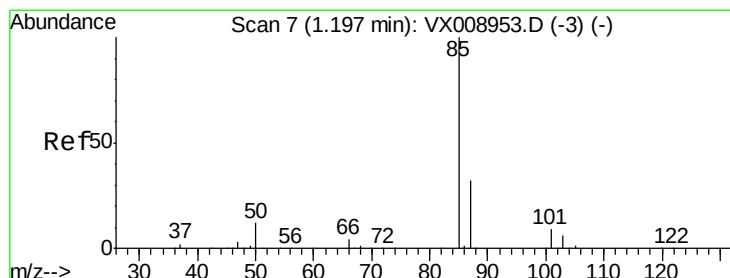
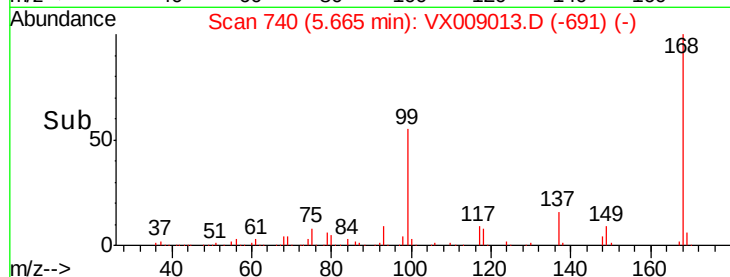
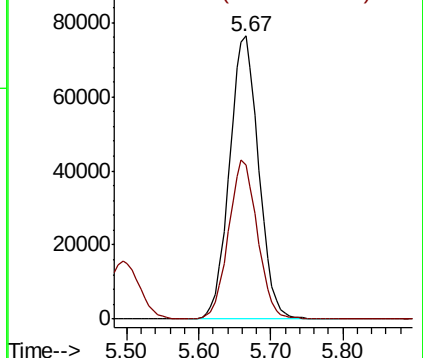
168 100

99 54.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.430 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009013.D

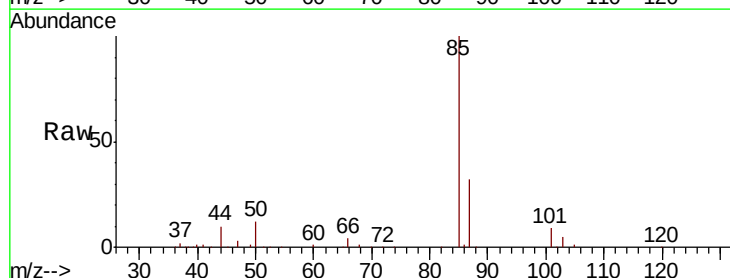
Acq: 17 Apr 2019 14:37

Tgt Ion: 85 Resp: 50596

Ion Ratio Lower Upper

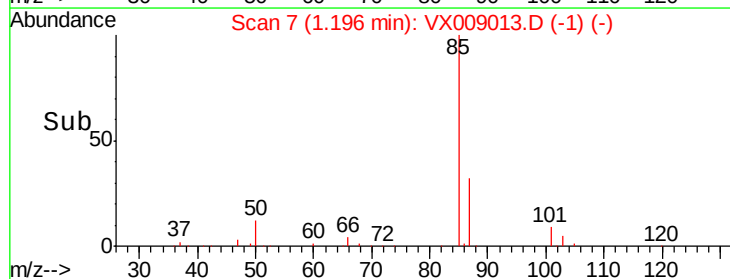
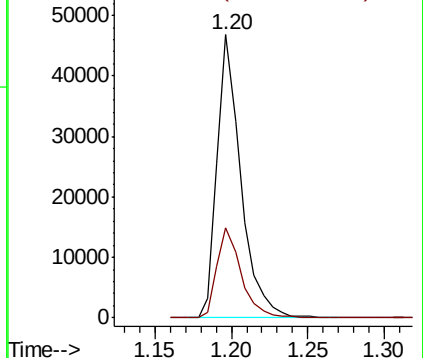
85 100

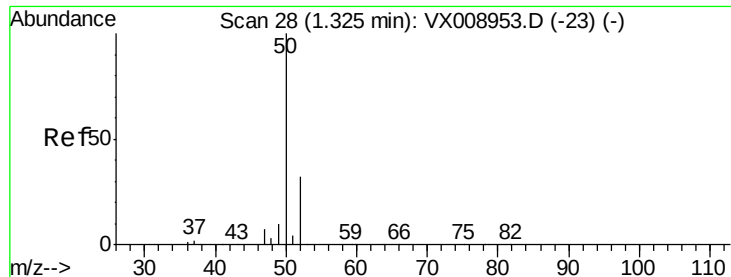
87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.629 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

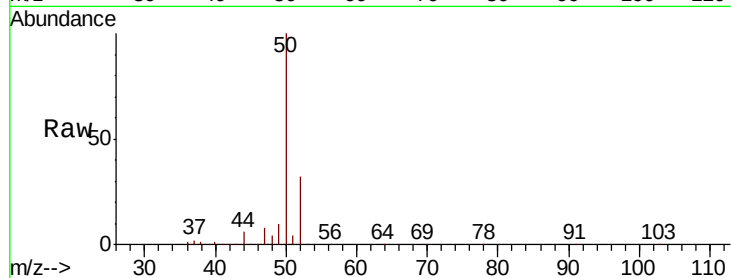
VX0417WBSD01

Tot Ion: 50 Resp: 62718

Ion Ratio Lower Upper

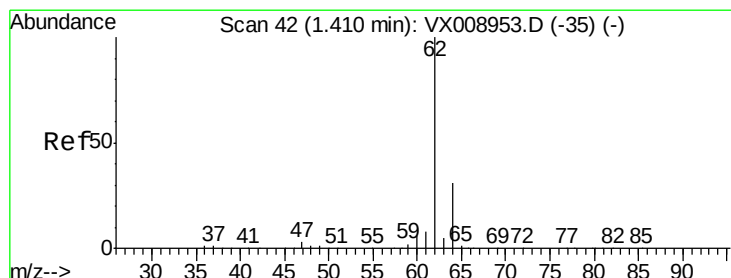
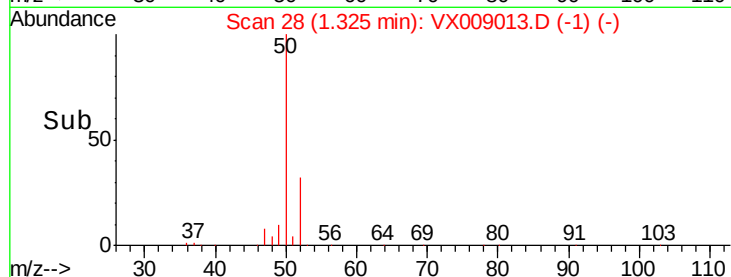
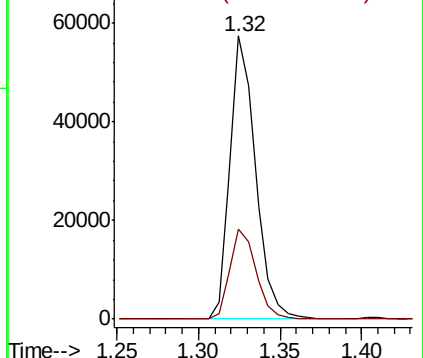
50 100

52 31.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.355 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009013.D

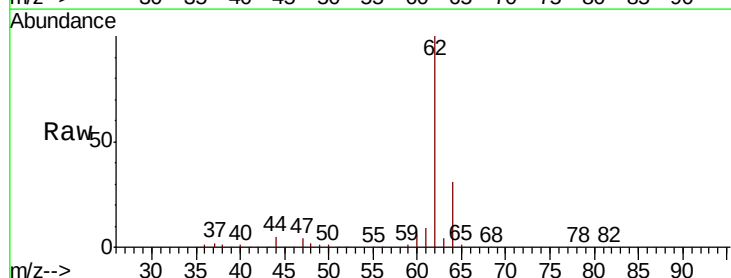
Acq: 17 Apr 2019 14:37

Tgt Ion: 62 Resp: 60234

Ion Ratio Lower Upper

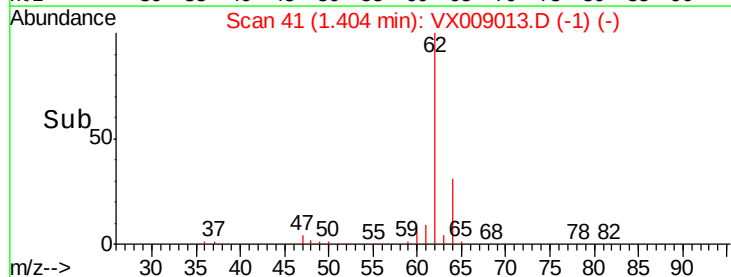
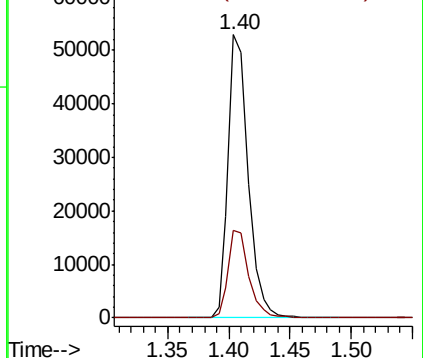
62 100

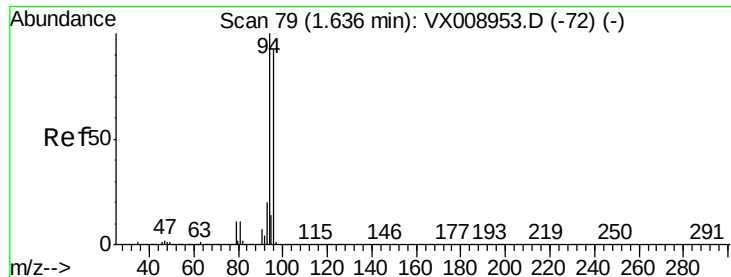
64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.874 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

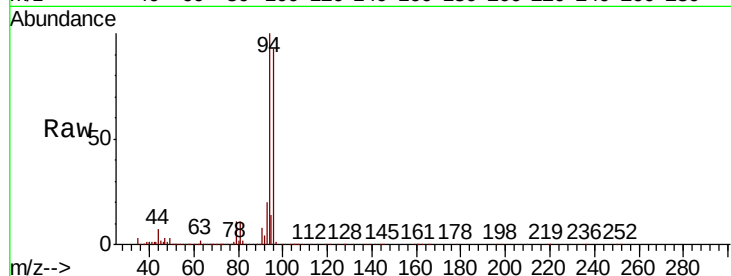
VX0417WBSD01

Tot Ion: 94 Resp: 34181

Ion Ratio Lower Upper

94 100

96 93.3 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

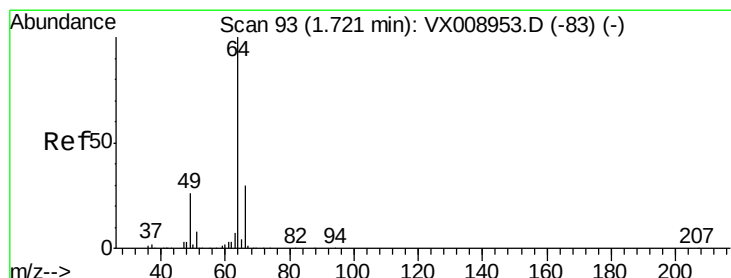
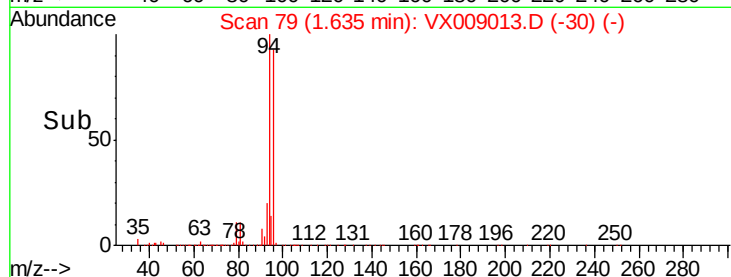
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.420 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009013.D

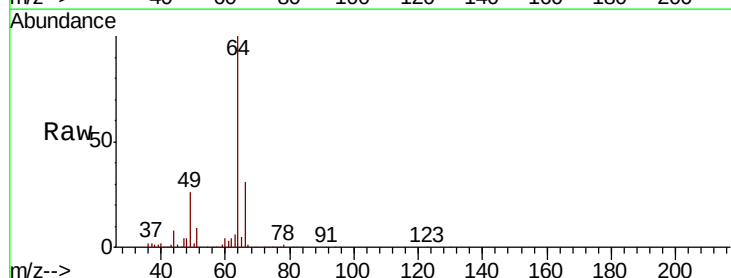
Acq: 17 Apr 2019 14:37

Tgt Ion: 64 Resp: 35532

Ion Ratio Lower Upper

64 100

66 31.4 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

25000

20000

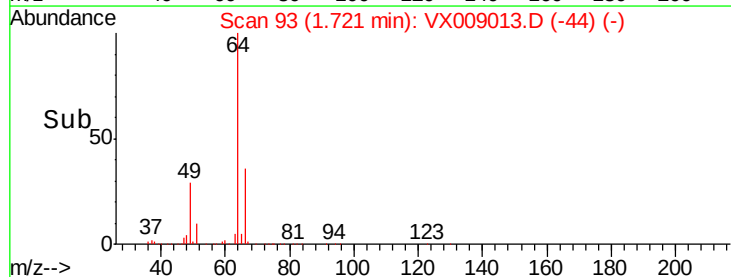
15000

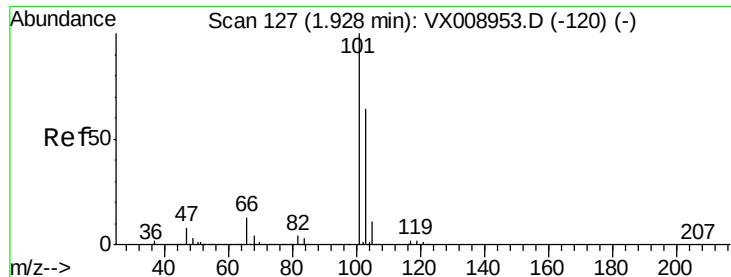
10000

5000

0

Time--> 1.65 1.70 1.75 1.80



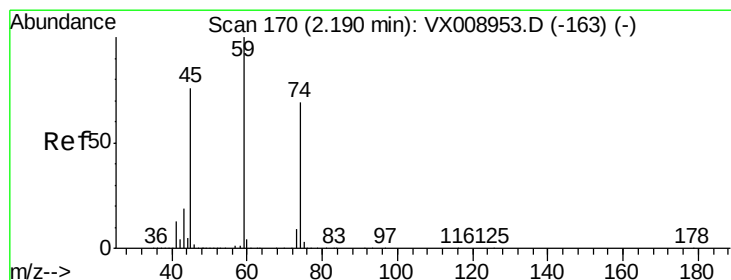
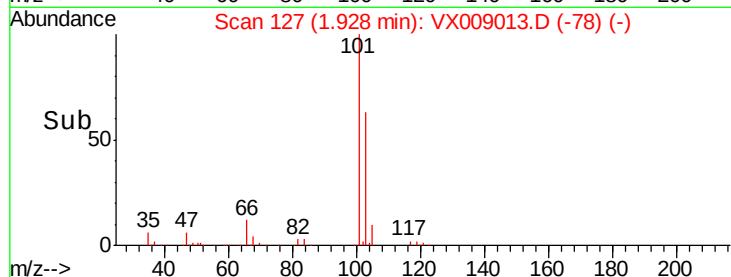
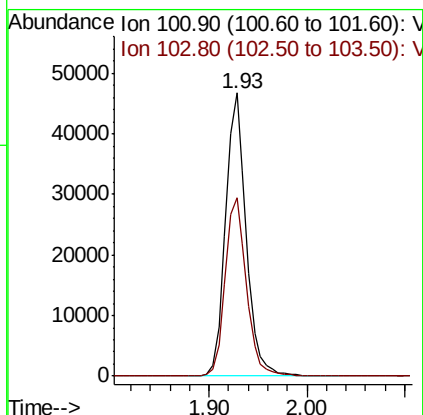
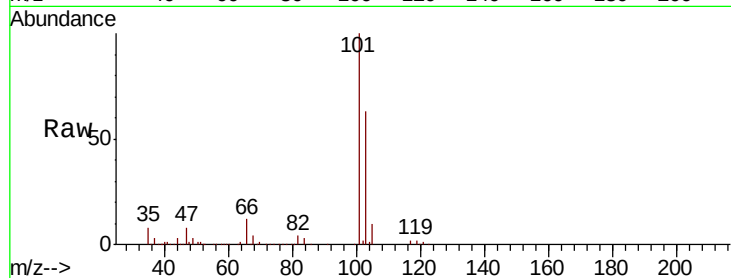


#7

Trichlorofluoromethane
 Concen: 19.730 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

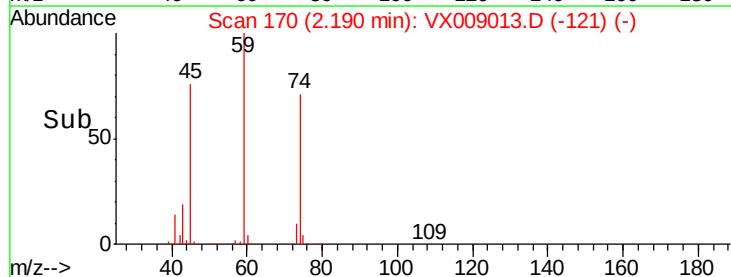
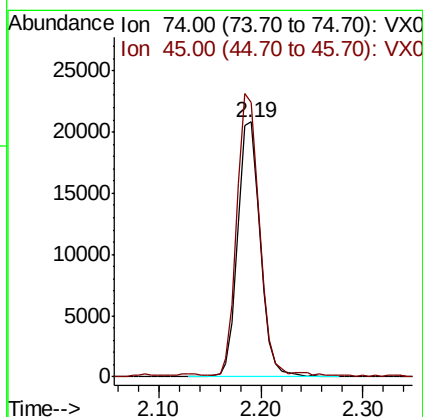
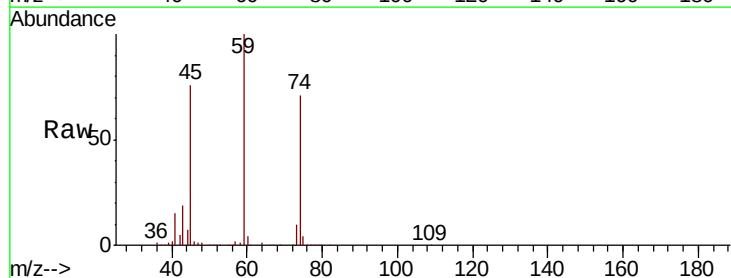
Tot Ion:101 Resp: 68167
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.0 76.6

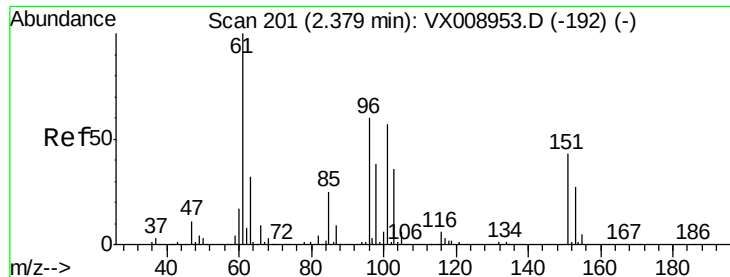


#8

Diethyl Ether
 Concen: 20.045 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 74 Resp: 31672
 Ion Ratio Lower Upper
 74 100
 45 108.9 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.333 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

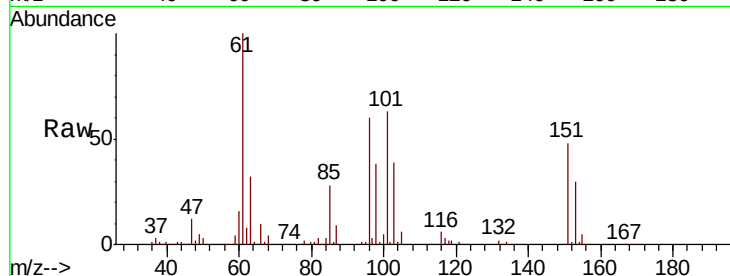
Tot Ion:101 Resp: 42708

Ion Ratio Lower Upper

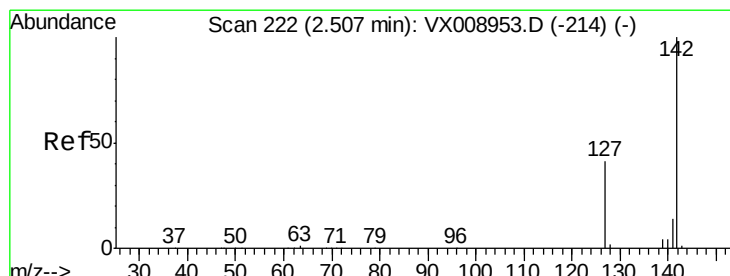
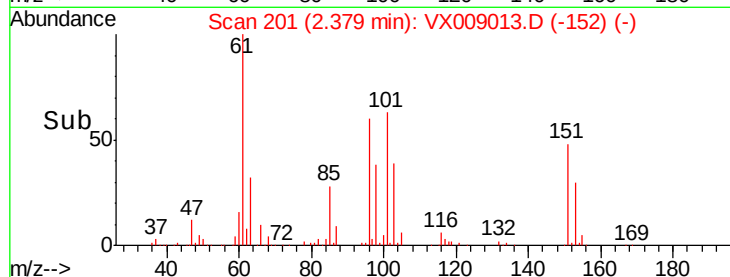
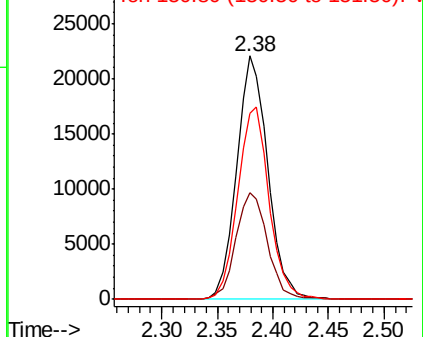
101 100

85 44.5 35.7 53.5

151 79.8 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: 21.575 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

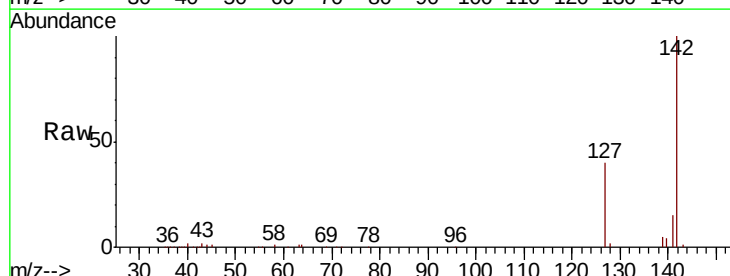
Tgt Ion:142 Resp: 45461

Ion Ratio Lower Upper

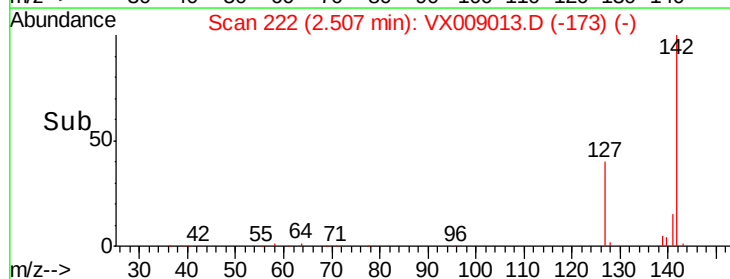
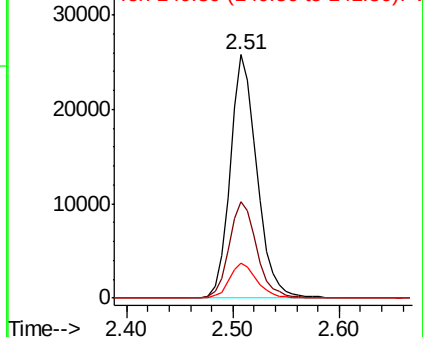
142 100

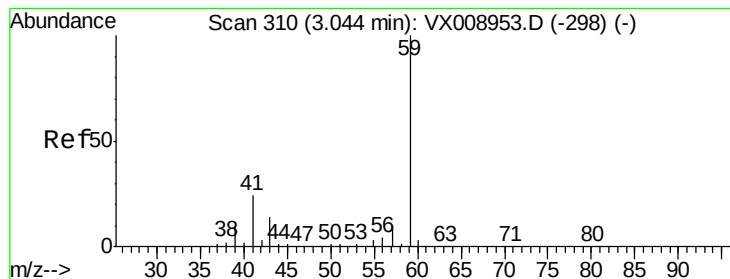
127 40.8 32.8 49.2

141 14.8 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



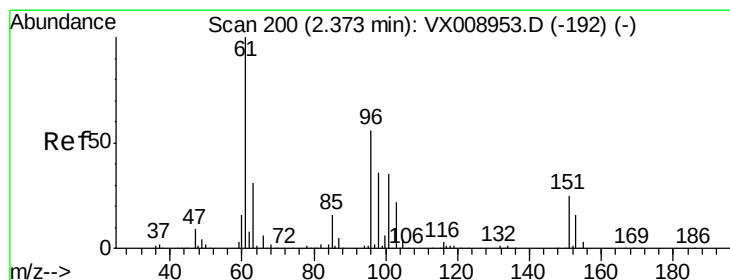
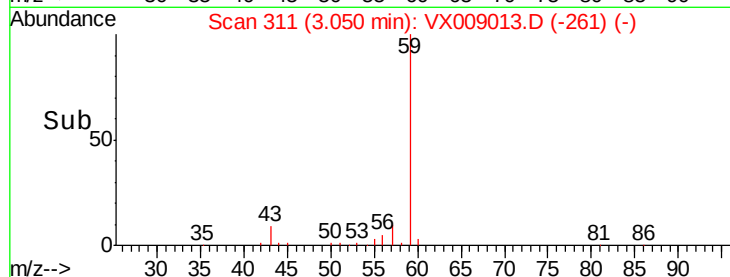
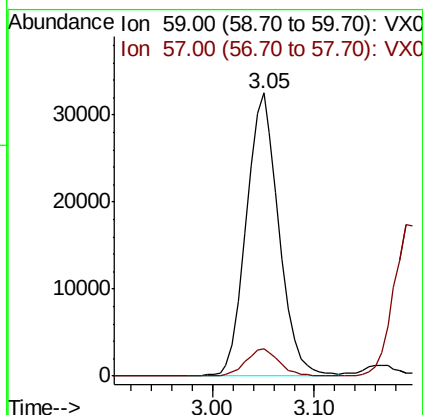
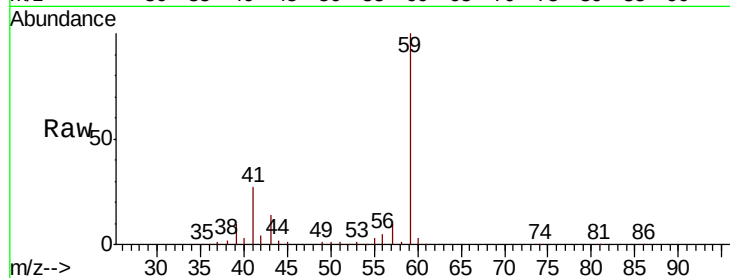


#11

Tert butyl alcohol
 Concen: 107.292 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

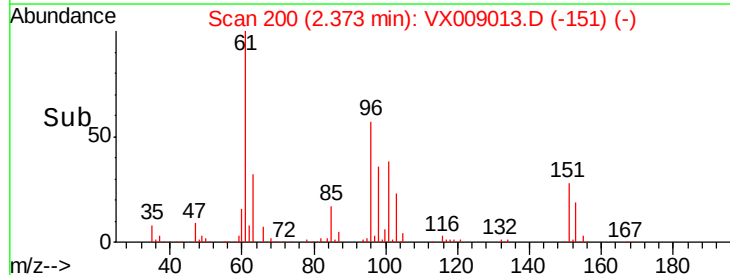
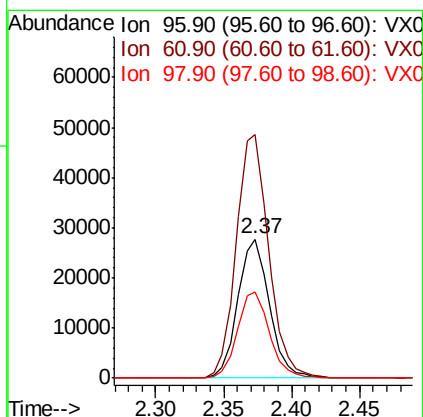
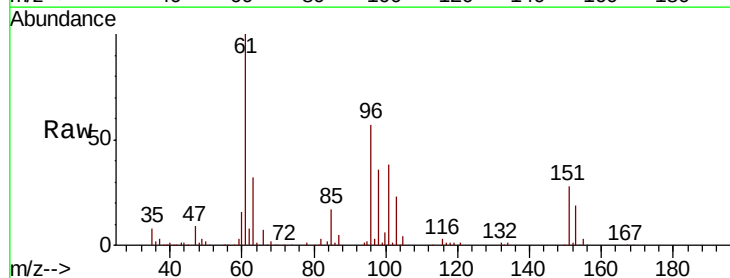
Tot Ion: 59 Resp: 72165
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.4 12.6

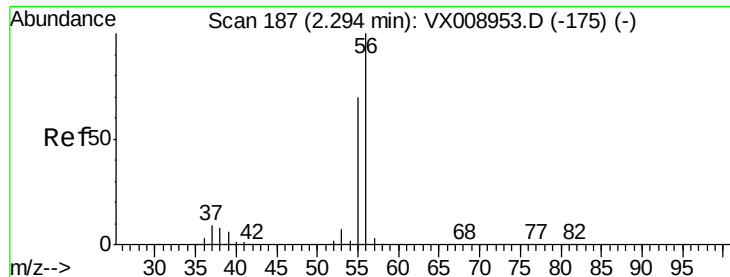


#12

1,1-Dichloroethene
 Concen: 19.465 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 96 Resp: 44881
 Ion Ratio Lower Upper
 96 100
 61 175.5 142.2 213.2
 98 62.5 50.9 76.3





#13

Acrolein

Concen: 81.777 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

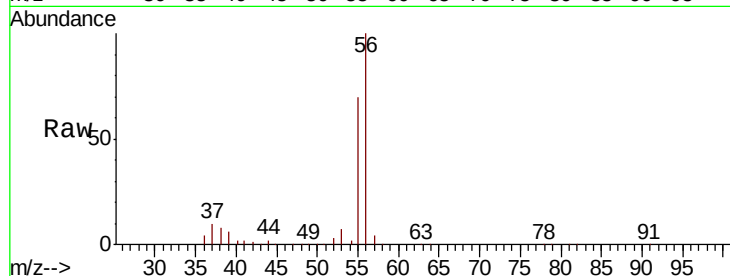
VX0417WBSD01

Tot Ion: 56 Resp: 47525

Ion Ratio Lower Upper

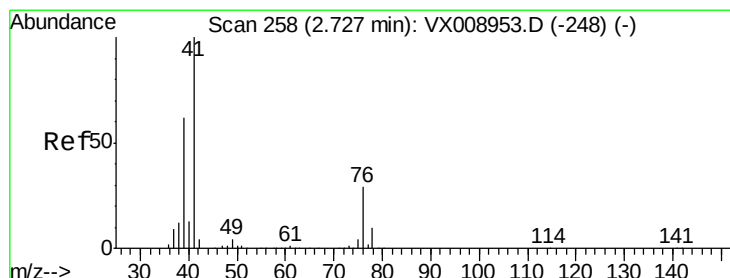
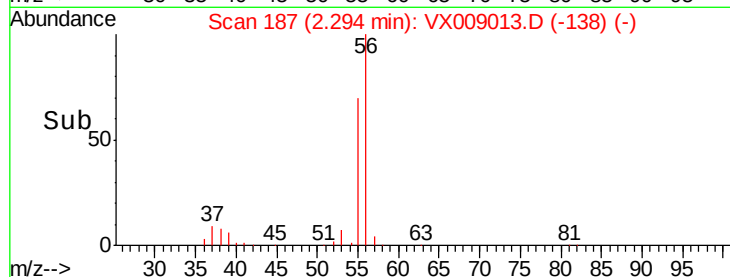
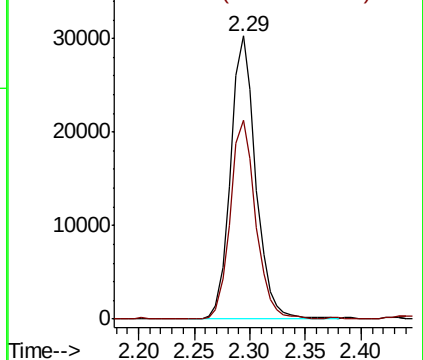
56 100

55 70.2 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.466 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

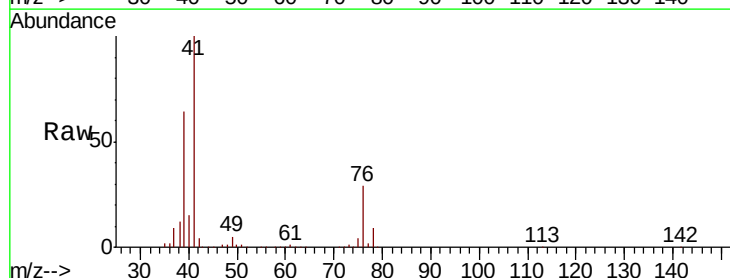
Tgt Ion: 41 Resp: 102951

Ion Ratio Lower Upper

41 100

39 60.0 46.7 70.1

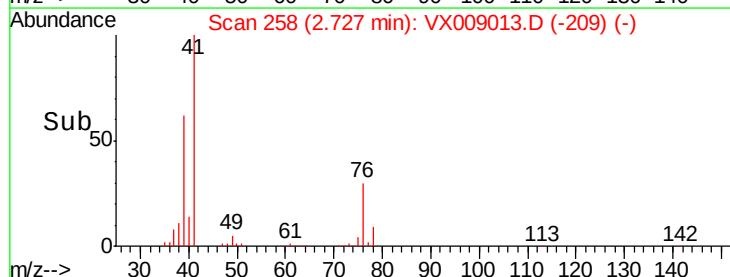
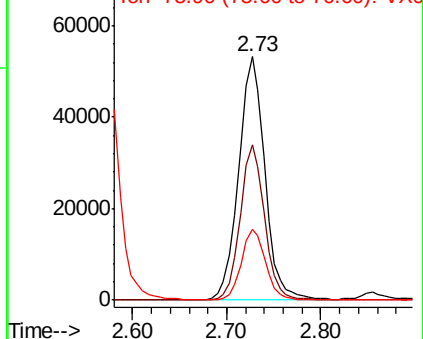
76 27.1 22.0 33.0

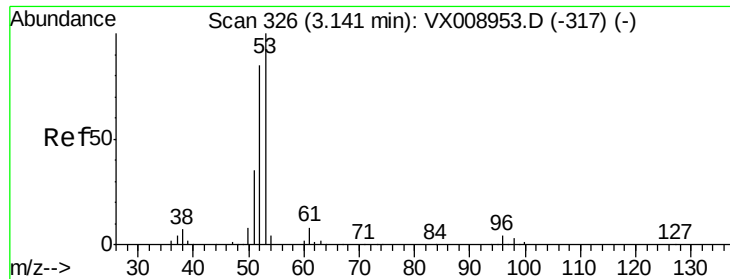


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.609 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

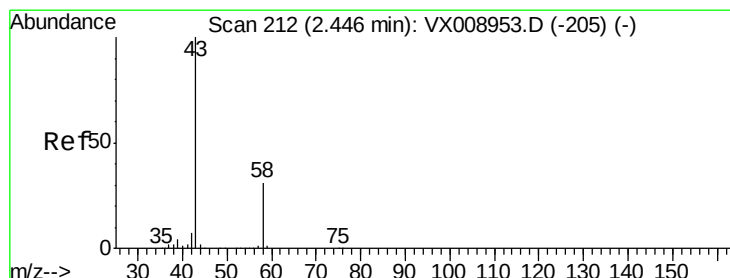
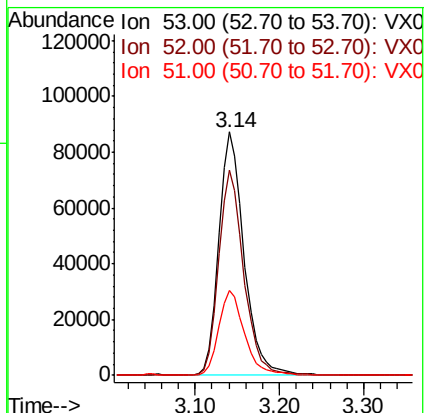
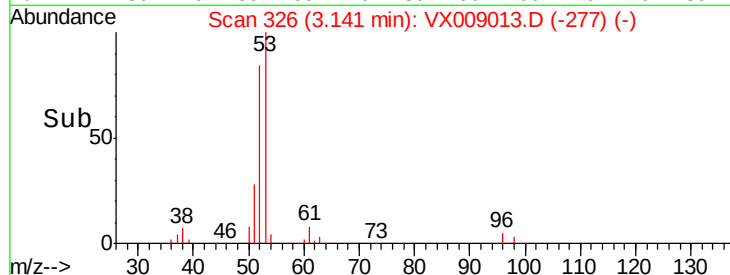
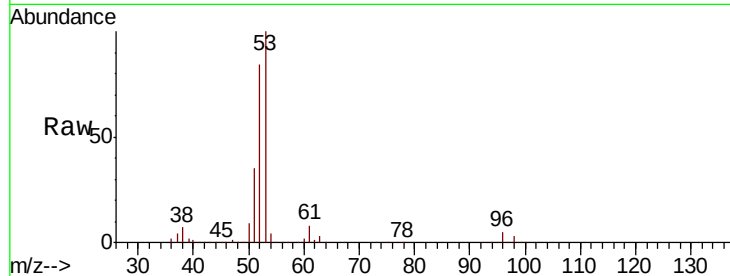
Tot Ion: 53 Resp: 178608

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

51 35.8 28.3 42.5



#16

Acetone

Concen: 101.367 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009013.D

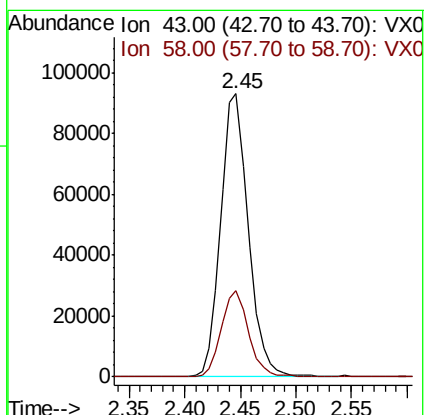
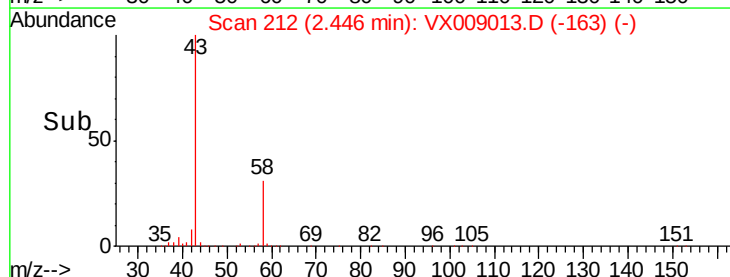
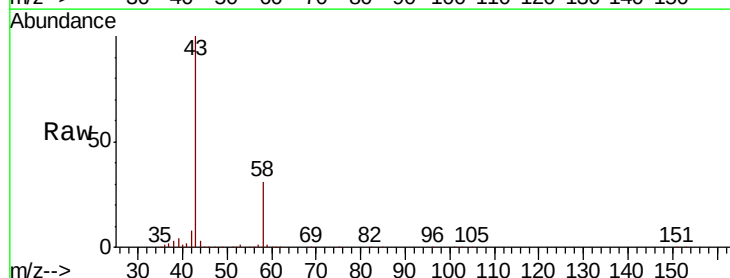
Acq: 17 Apr 2019 14:37

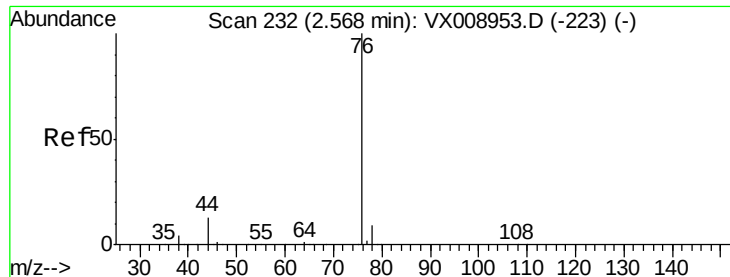
Tgt Ion: 43 Resp: 159282

Ion Ratio Lower Upper

43 100

58 30.6 24.8 37.2





#17

Carbon Disulfide

Concen: 19.578 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

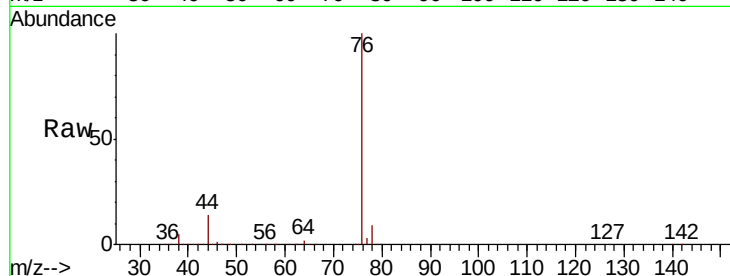
VX0417WBSD01

Tot Ion: 76 Resp: 127357

Ion Ratio Lower Upper

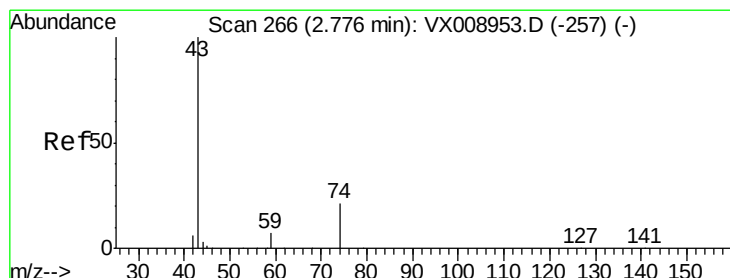
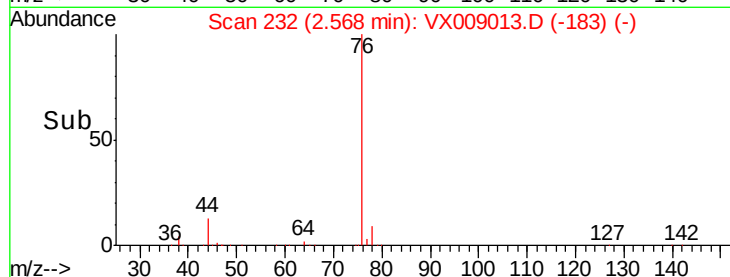
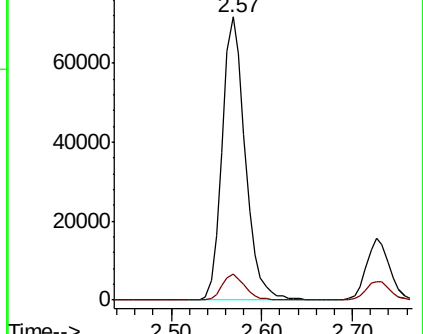
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.578 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009013.D

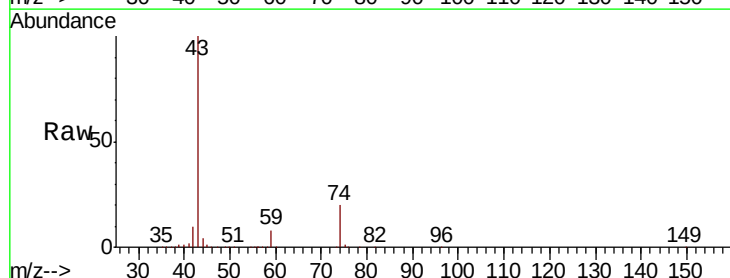
Acq: 17 Apr 2019 14:37

Tgt Ion: 43 Resp: 80700

Ion Ratio Lower Upper

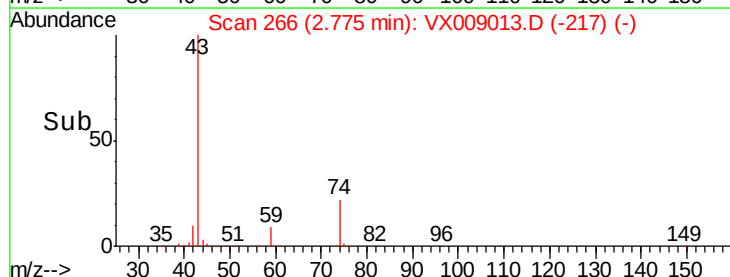
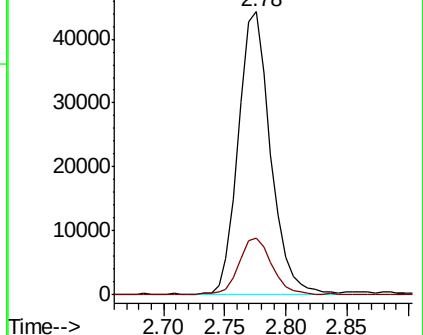
43 100

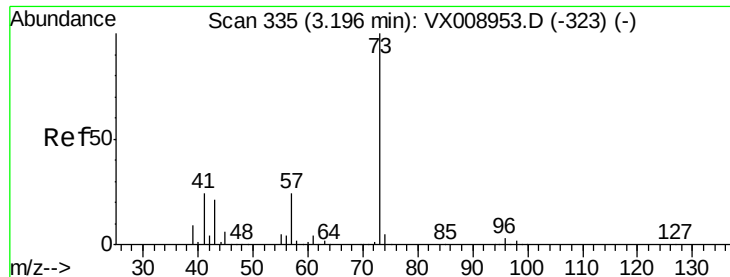
74 21.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



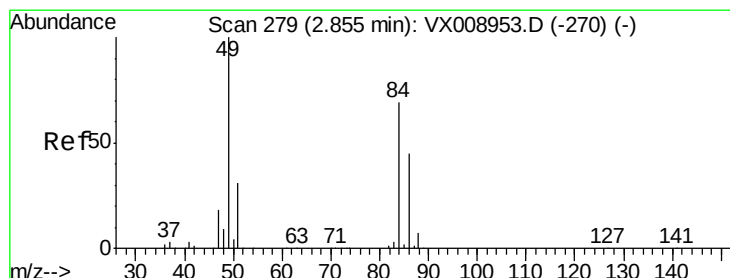
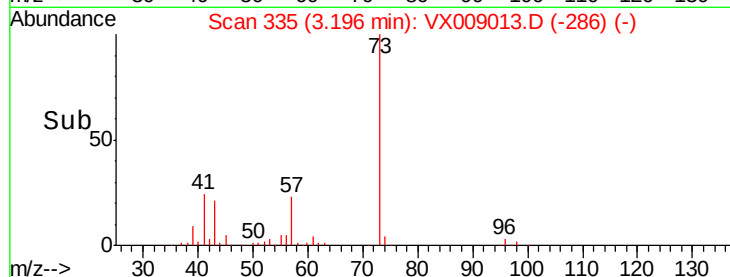
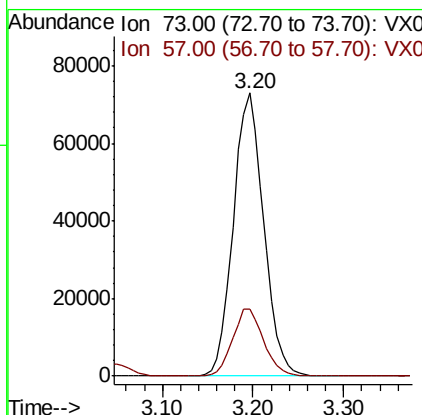
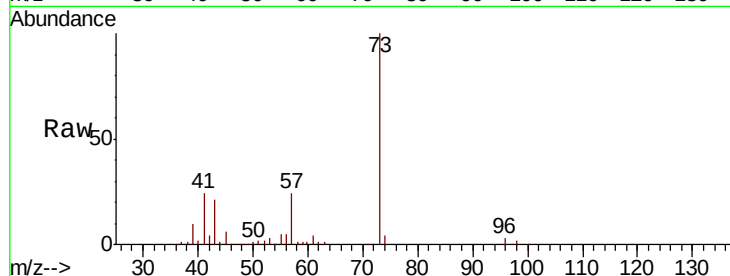


#19

Methyl tert-butyl Ether
 Concen: 20.662 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

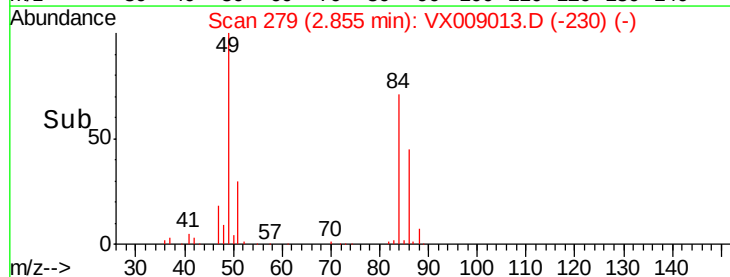
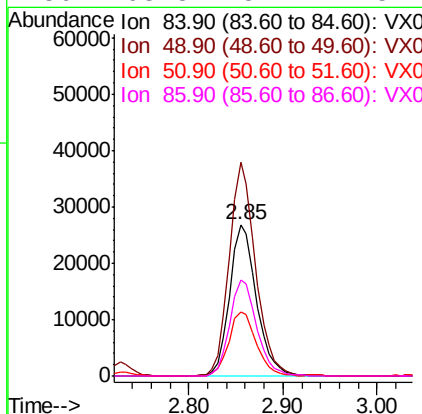
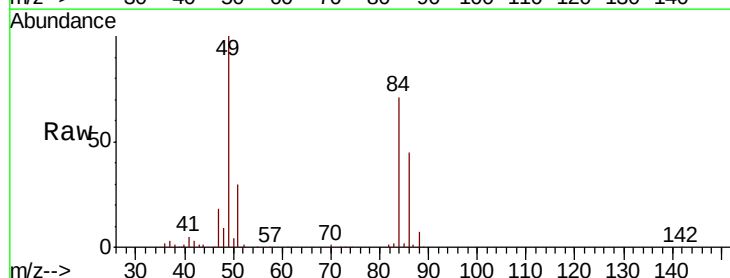
Tot Ion: 73 Resp: 169755
 Ion Ratio Lower Upper
 73 100
 57 23.6 19.2 28.8

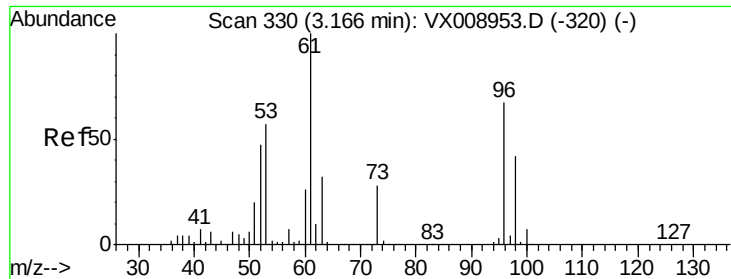


#20

Methylene Chloride
 Concen: 19.807 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 84 Resp: 53225
 Ion Ratio Lower Upper
 84 100
 49 141.0 115.4 173.0
 51 42.4 35.8 53.6
 86 63.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.709 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

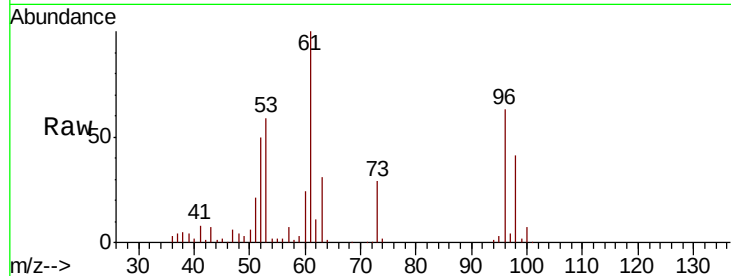
Tot Ion: 96 Resp: 48472

Ion Ratio Lower Upper

96 100

61 159.1 120.3 180.5

98 64.7 50.2 75.2

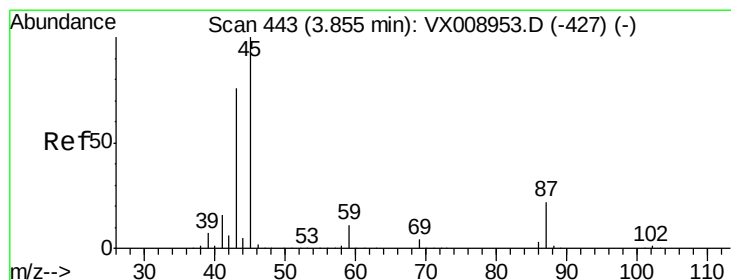
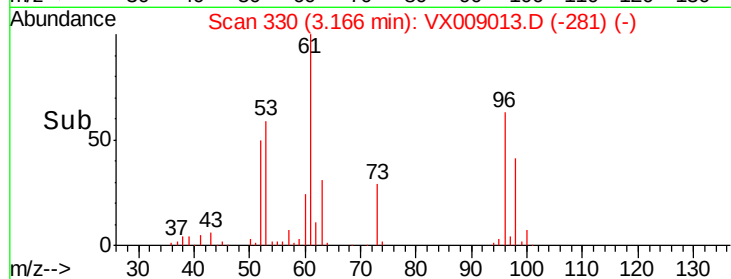
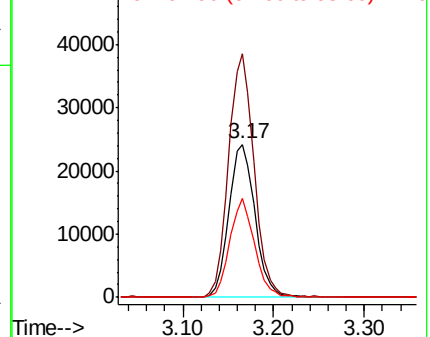


Abundance

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: 21.007 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion: 45 Resp: 205348

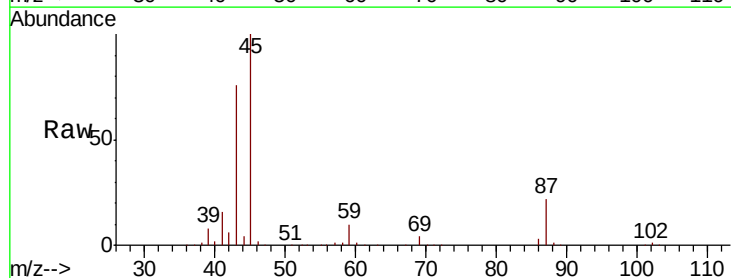
Ion Ratio Lower Upper

45 100

43 75.5 60.6 91.0

87 21.6 17.8 26.8

59 10.1 8.7 13.1



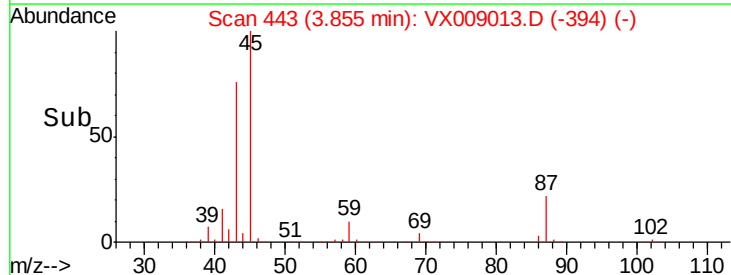
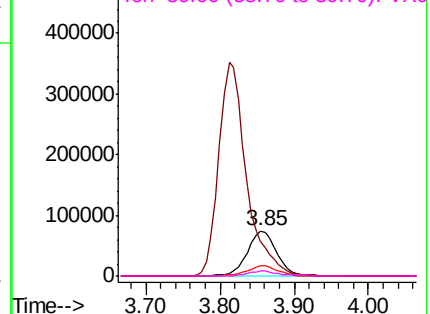
Abundance

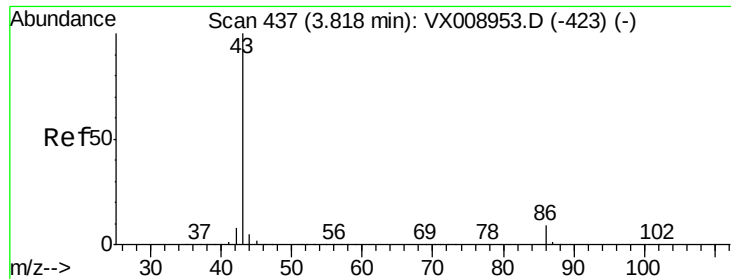
Ion 45.00 (44.70 to 45.70): VX0

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: 106.274 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

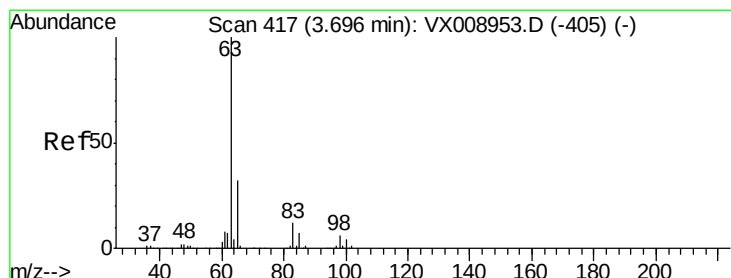
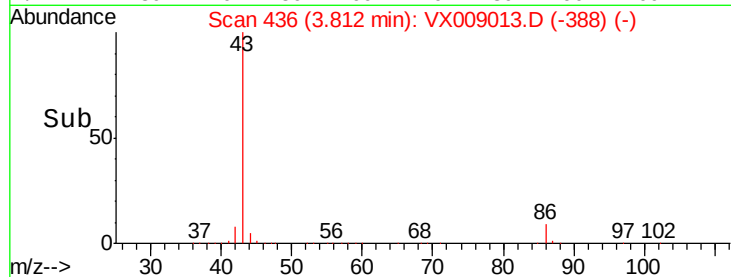
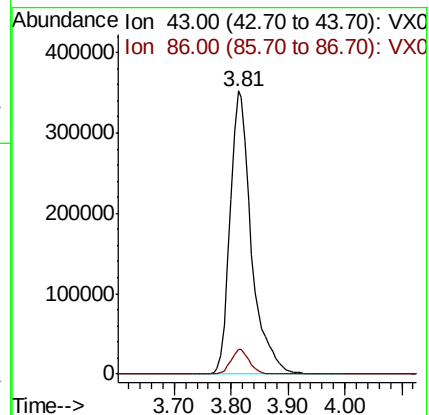
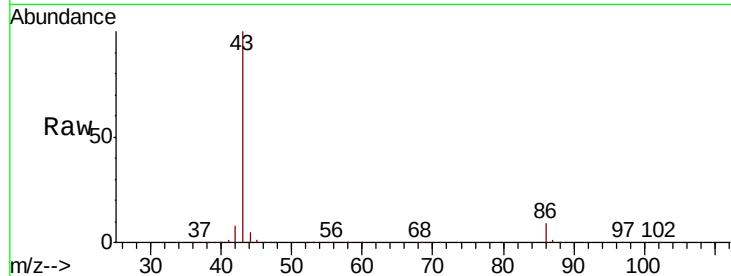
VX0417WBSD01

Tot Ion: 43 Resp: 913168

Ion Ratio Lower Upper

43 100

86 8.7 7.1 10.7



#24

1,1-Dichloroethane

Concen: 20.266 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

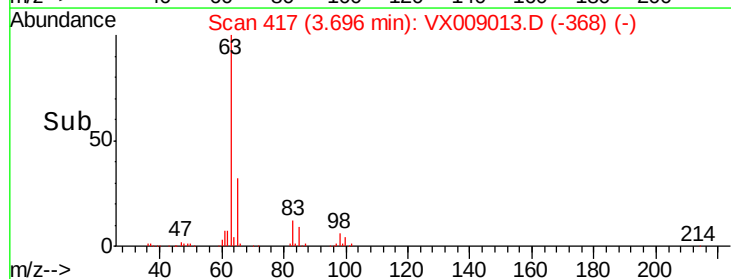
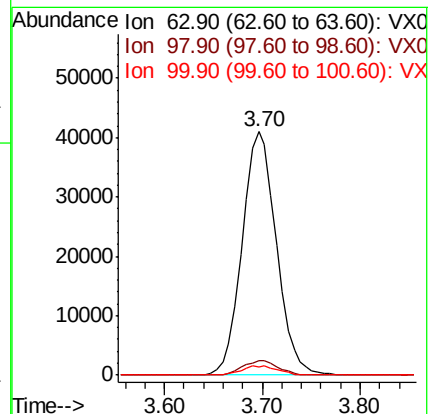
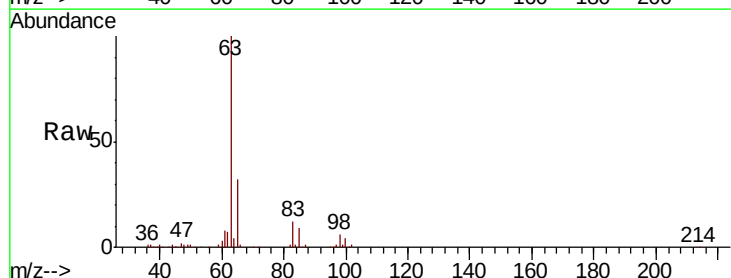
Tgt Ion: 63 Resp: 99444

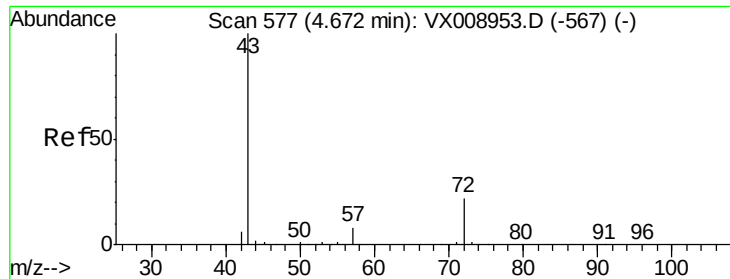
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 106.273 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

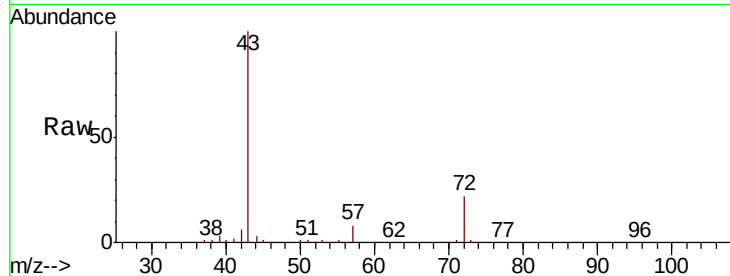
VX0417WBSD01

Tot Ion: 43 Resp: 266924

Ion Ratio Lower Upper

43 100

72 22.4 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

100000

80000

60000

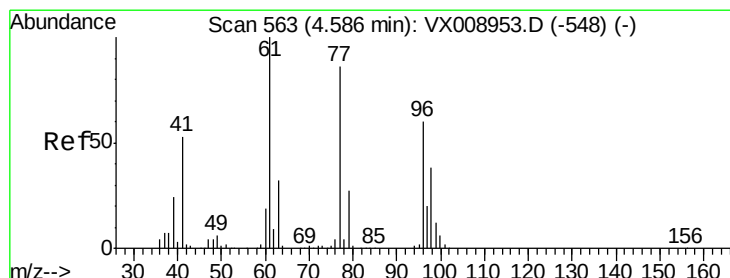
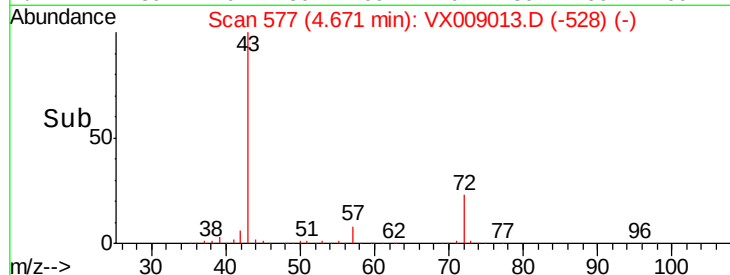
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 18.185 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009013.D

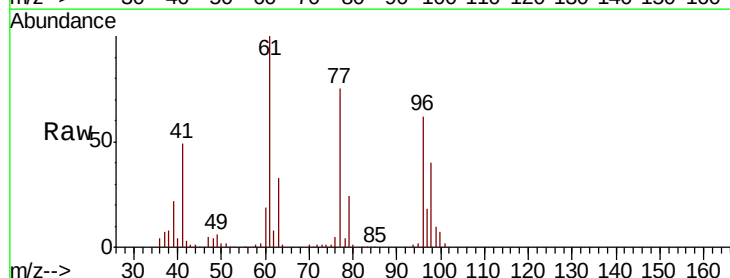
Acq: 17 Apr 2019 14:37

Tgt Ion: 77 Resp: 66887

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

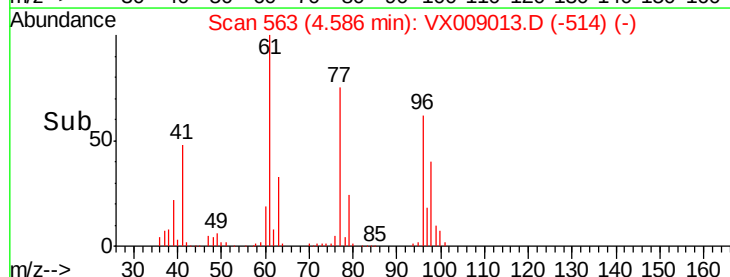
10000

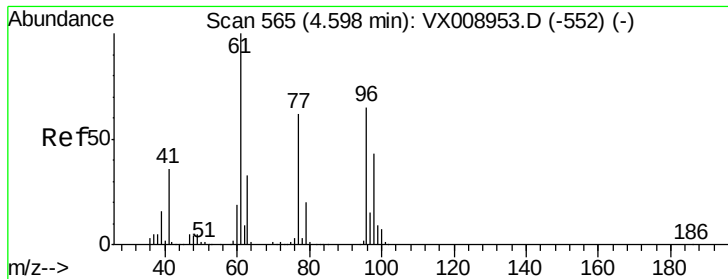
5000

0

Time-->

4.50 4.60 4.70



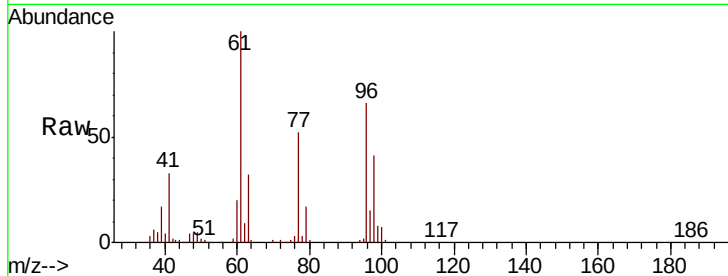


#27

cis-1,2-Dichloroethene
 Concen: 20.097 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	322.0
98	64.1	0.0	128.4

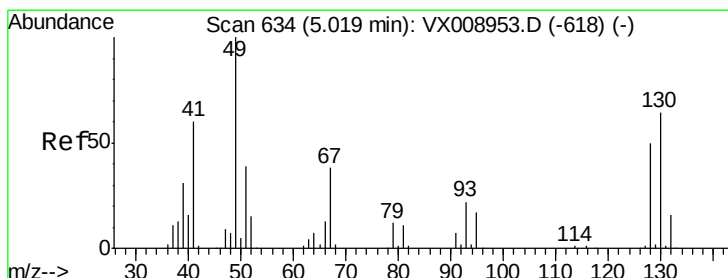
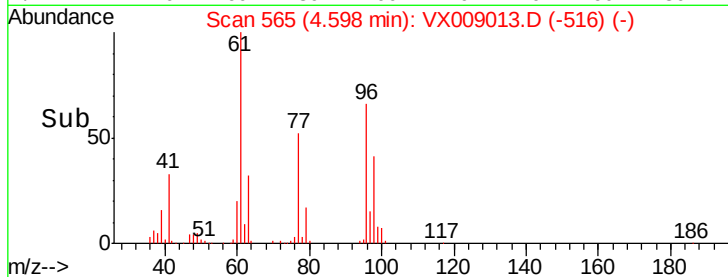
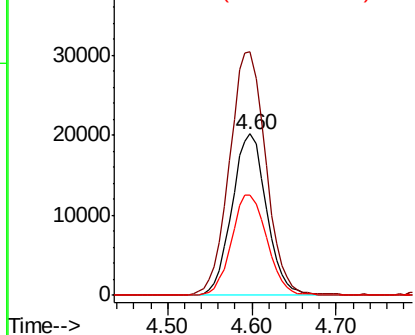


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

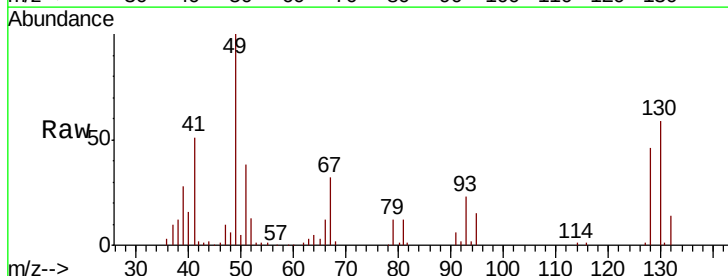
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 22.827 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	0.0	50.4	75.6#

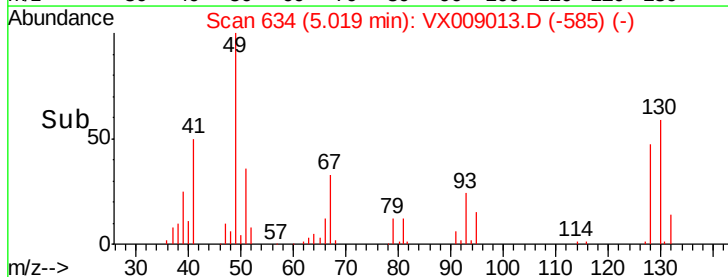
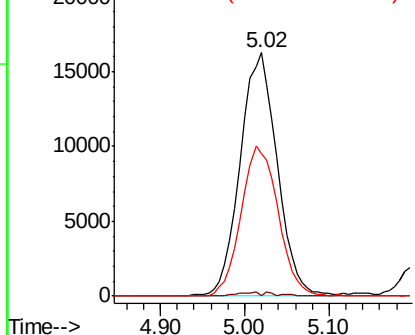


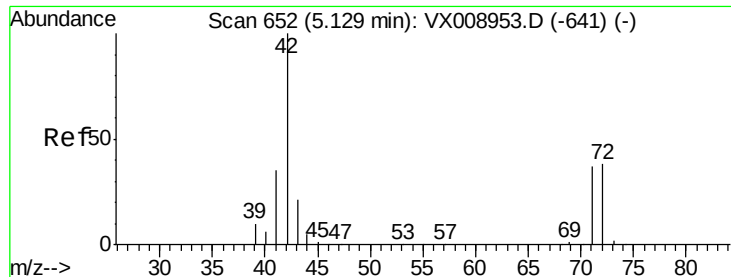
Abundance

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

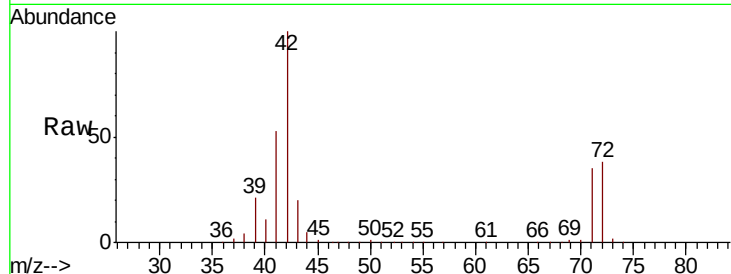




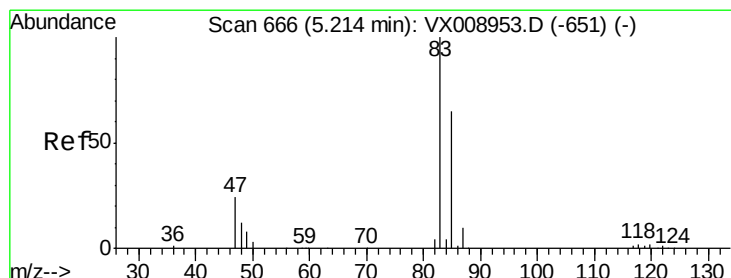
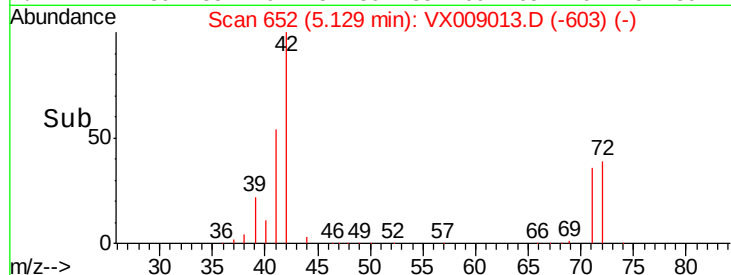
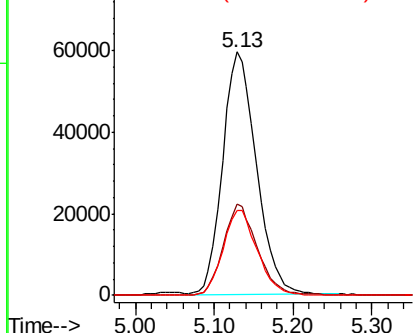
#29
Tetrahydrofuran
Concen: 105.611 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion: 42 Resp: 177544
Ion Ratio Lower Upper
42 100
72 37.8 30.6 45.8
71 35.8 28.8 43.2

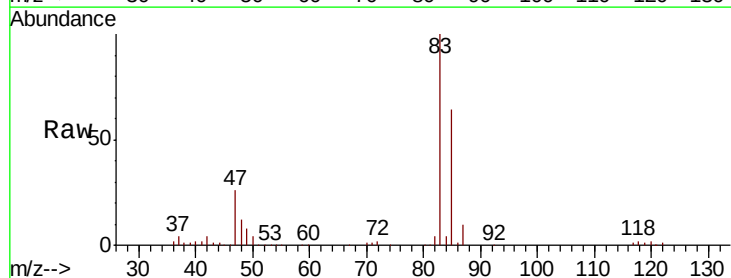


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

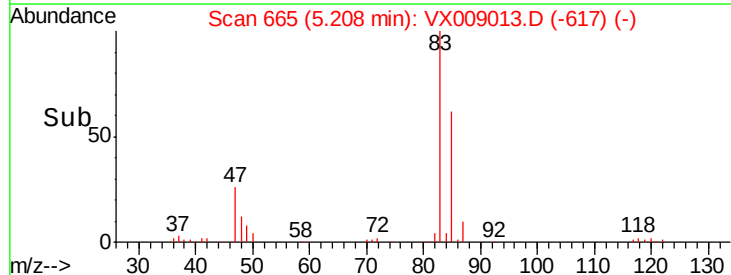
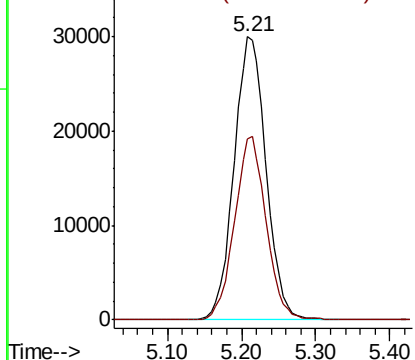


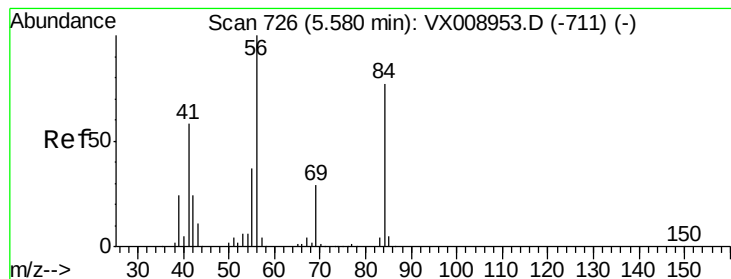
#30
Chloroform
Concen: 20.602 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 83 Resp: 90460
Ion Ratio Lower Upper
83 100
85 64.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.839 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

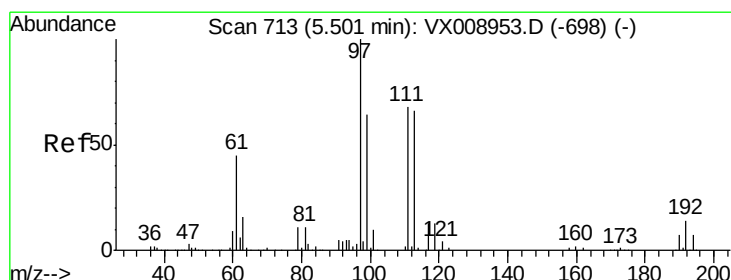
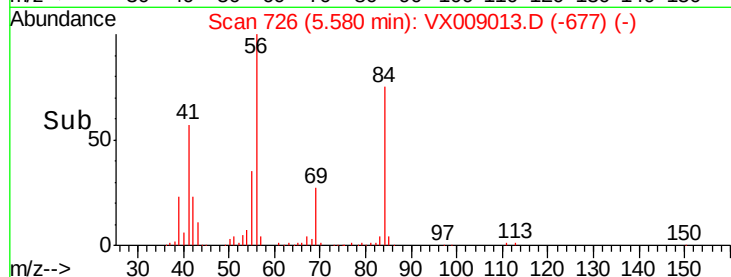
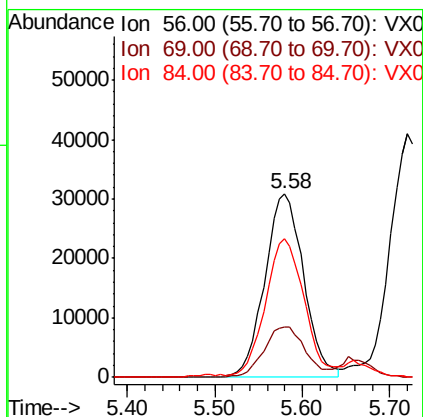
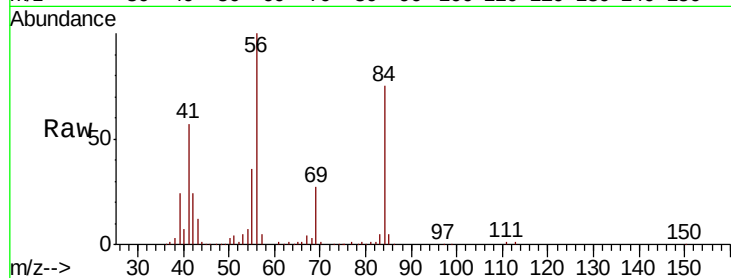
Tot Ion: 56 Resp: 95746

Ion Ratio Lower Upper

56 100

69 27.2 23.3 34.9

84 74.4 61.7 92.5



#32

1,1,1-Trichloroethane

Concen: 20.200 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

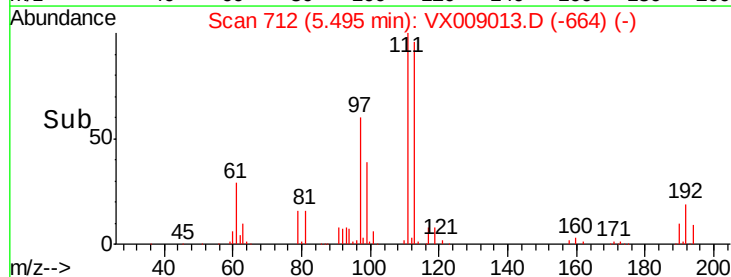
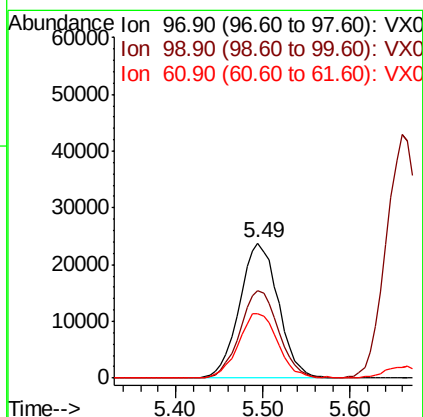
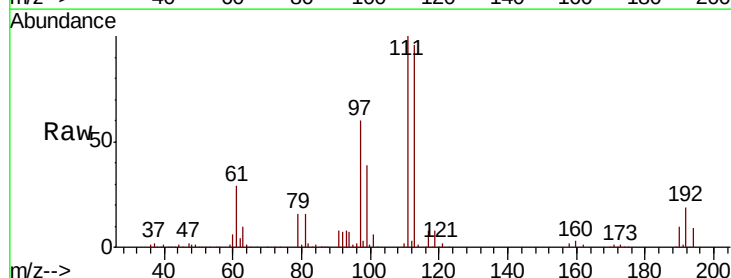
Tgt Ion: 97 Resp: 73514

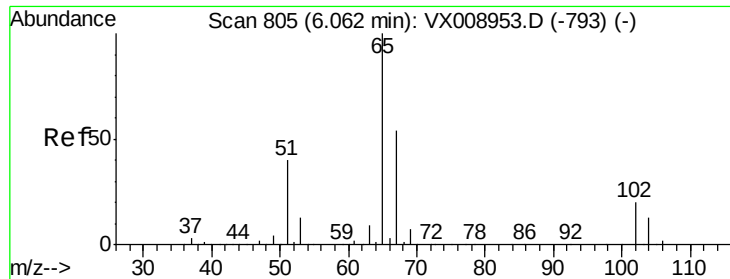
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 48.1 37.9 56.9

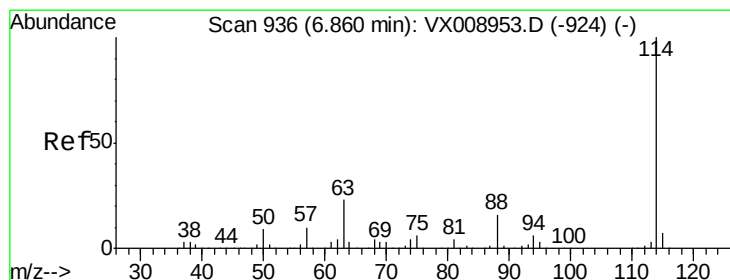
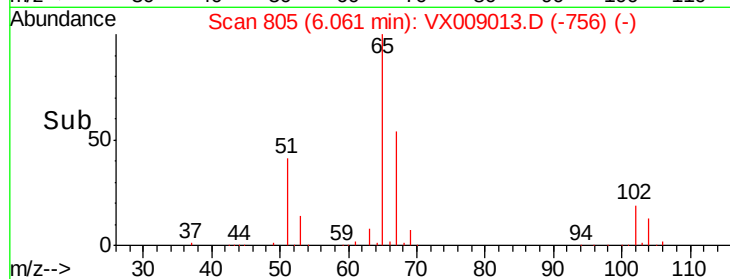
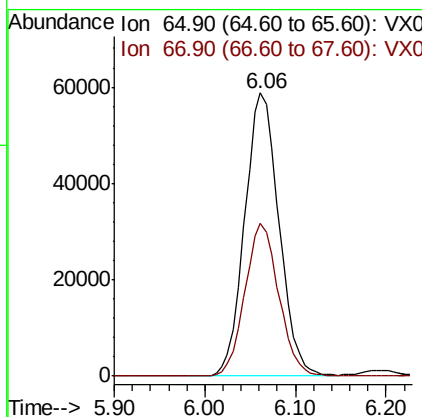
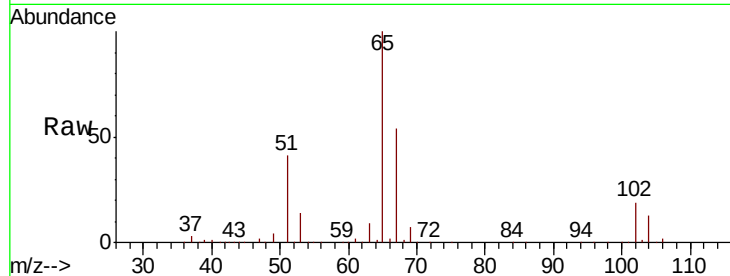




#33
 1,2-Dichloroethane-d4
 Concen: 50.851 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

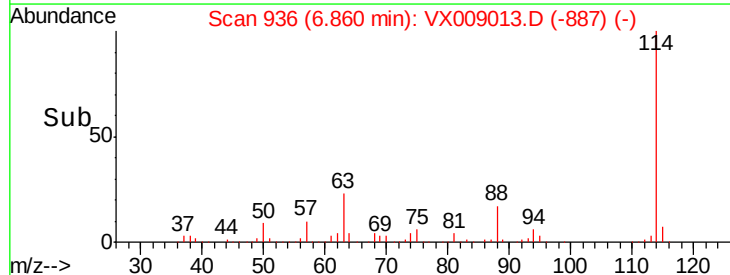
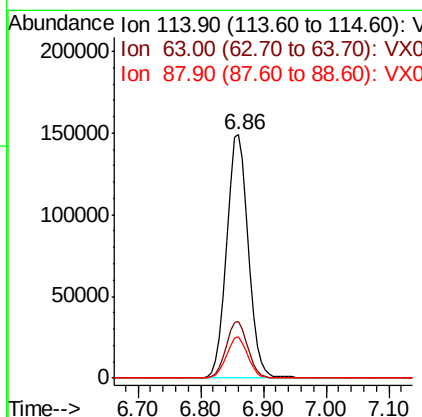
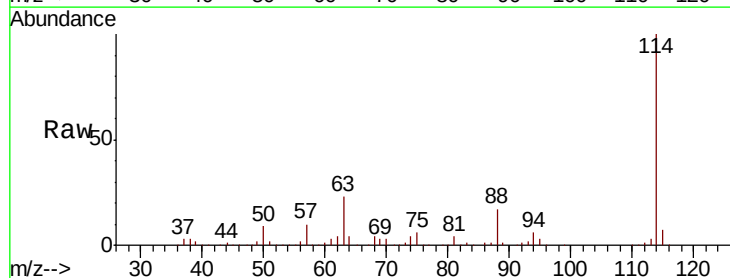
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

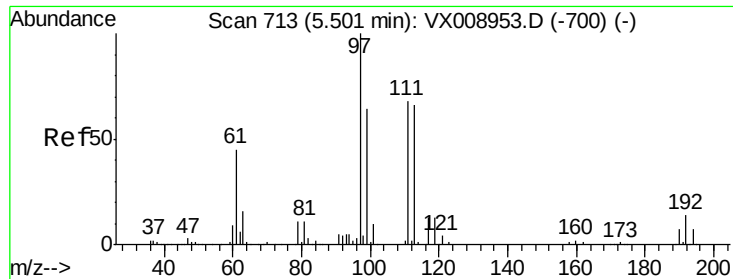
Tot Ion: 65 Resp: 154083
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 114 Resp: 356530
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.0
 88 16.9 0.0 32.6

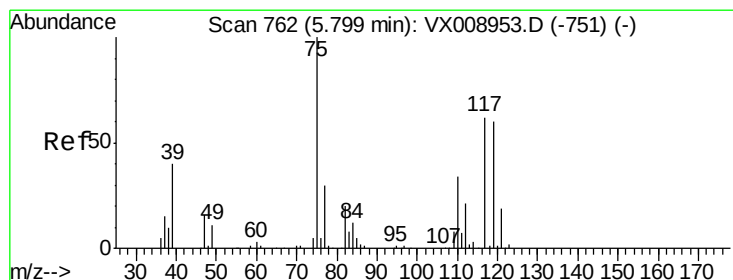
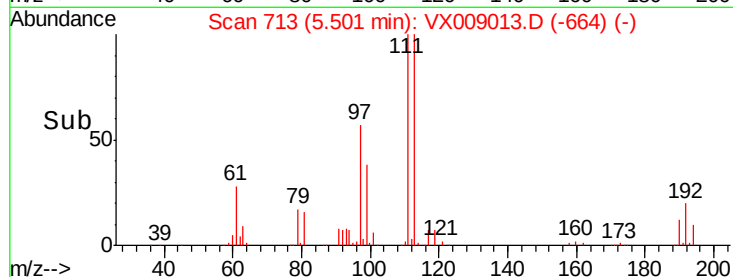
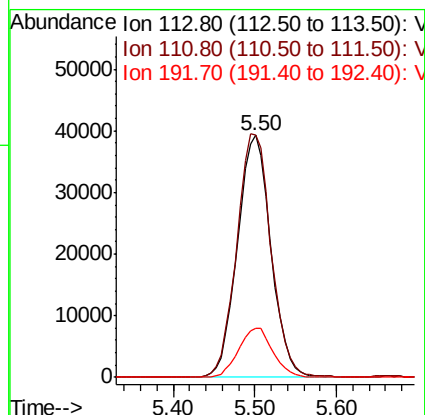
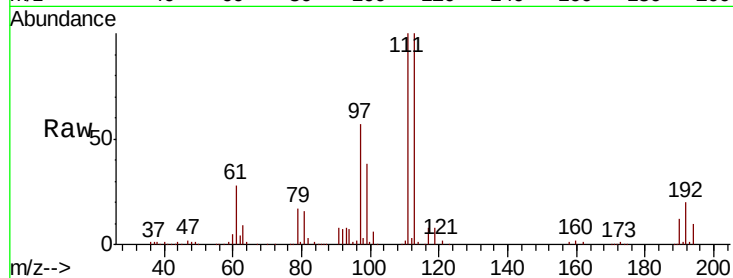




#35
 Dibromofluoromethane
 Concen: 48.749 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

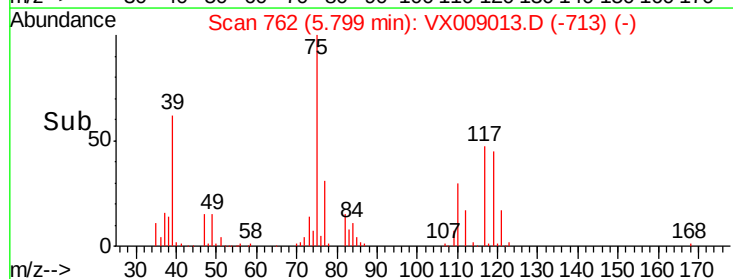
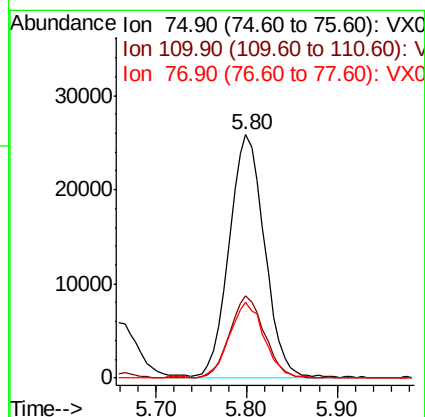
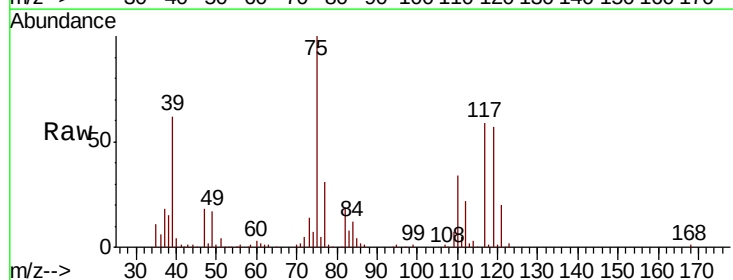
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

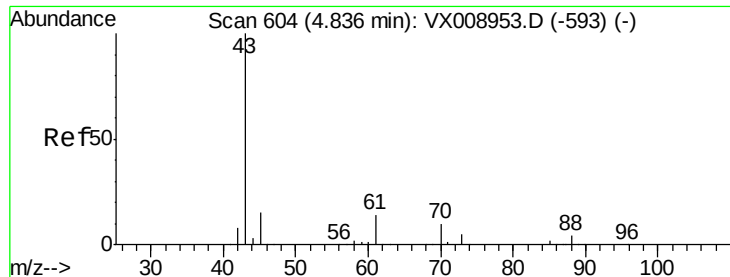
Tot Ion:113 Resp: 111544
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 20.8 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 18.894 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 75 Resp: 69669
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.7
 77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 21.156 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

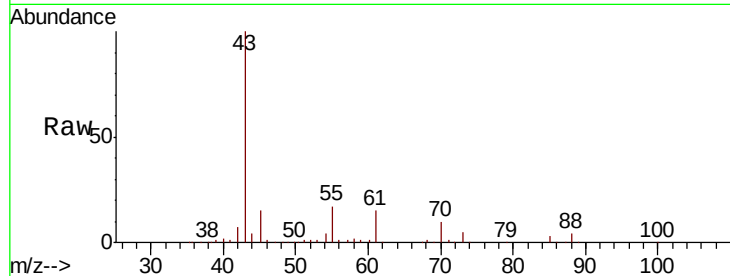
Tot Ion: 43 Resp: 100379

Ion Ratio Lower Upper

43 100

61 13.2 10.6 15.8

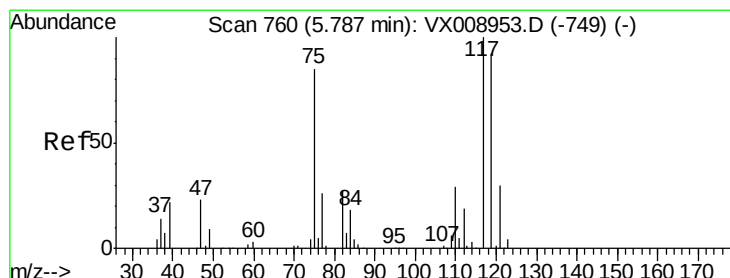
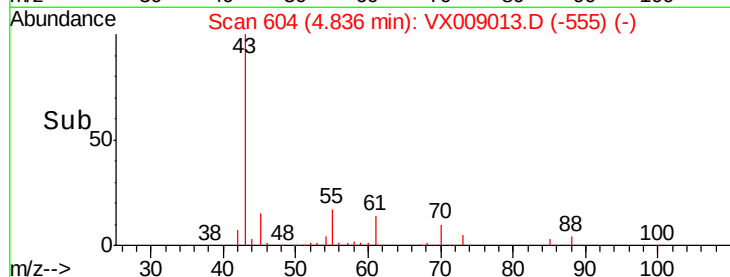
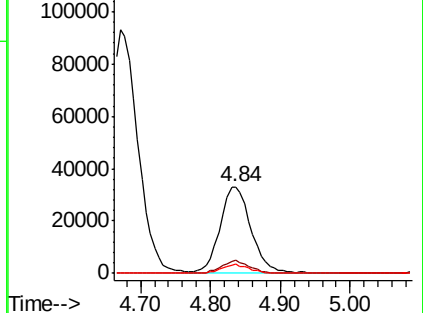
70 9.8 7.7 11.5



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: 19.399 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

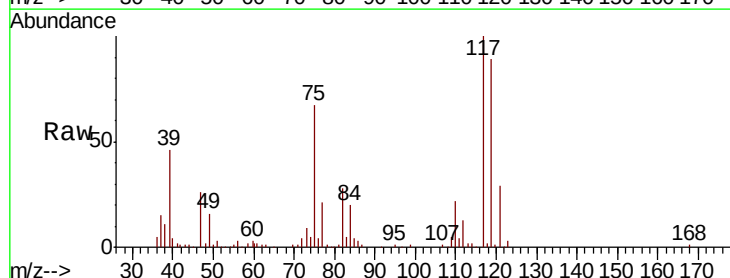
Tgt Ion: 117 Resp: 60640

Ion Ratio Lower Upper

117 100

119 88.6 73.8 110.8

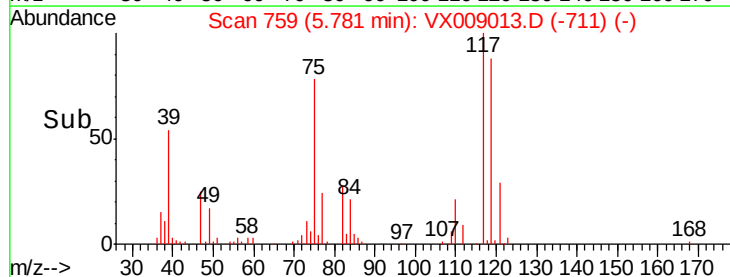
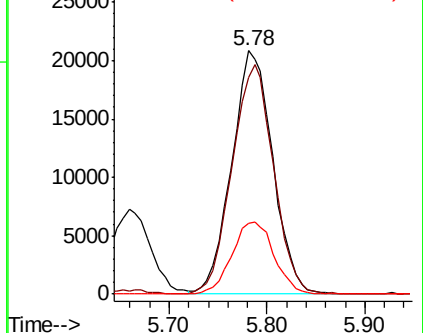
121 29.1 23.6 35.4

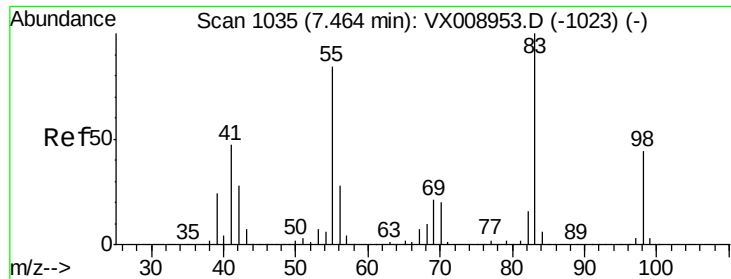


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

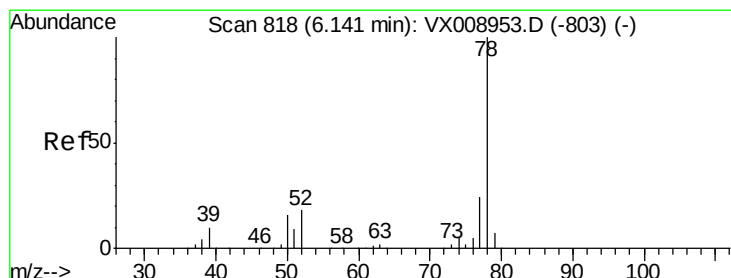
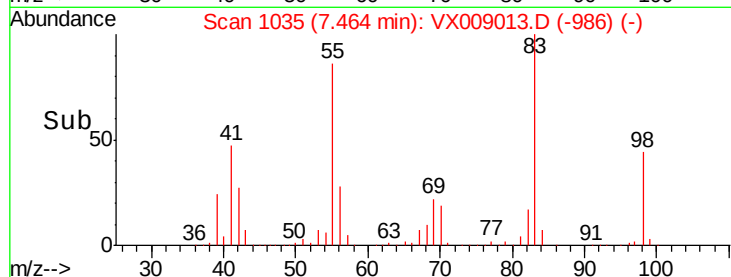
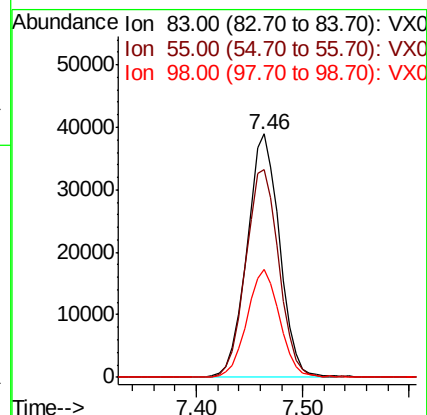
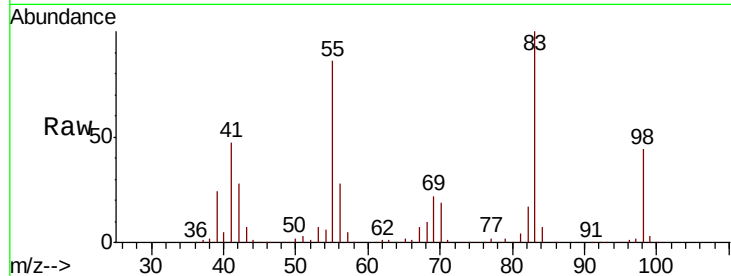




#39
Methylvlcyclohexane
Concen: 18.622 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

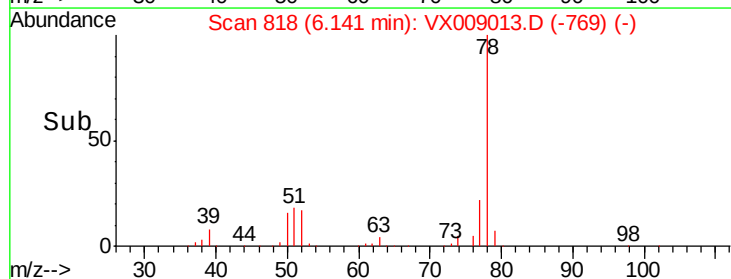
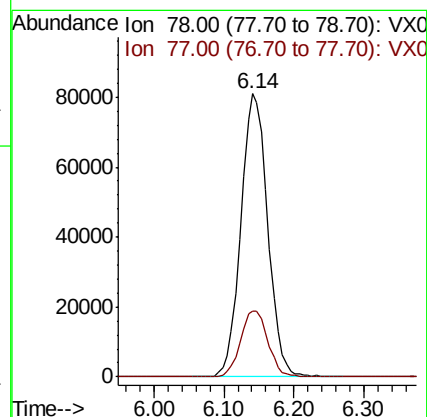
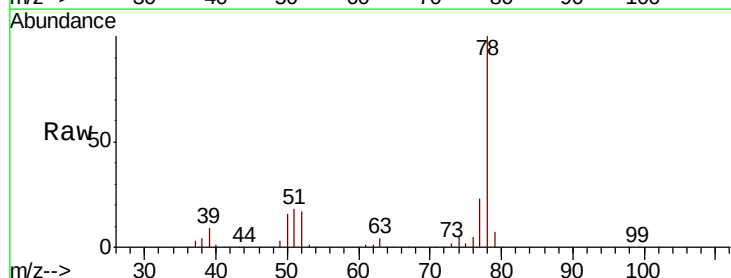
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

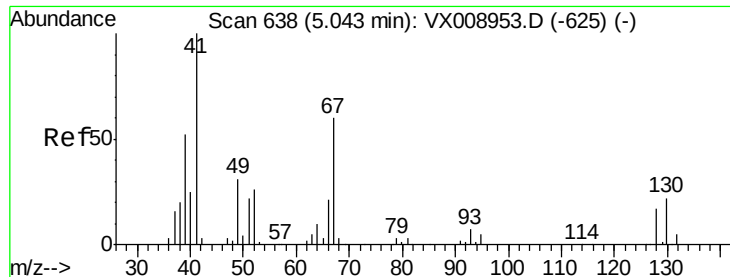
Tot Ion: 83 Resp: 83602
Ion Ratio Lower Upper
83 100
55 85.4 67.1 100.7
98 44.3 35.1 52.7



#40
Benzene
Concen: 19.795 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion: 78 Resp: 215327
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 20.536 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 41 Resp: 55921

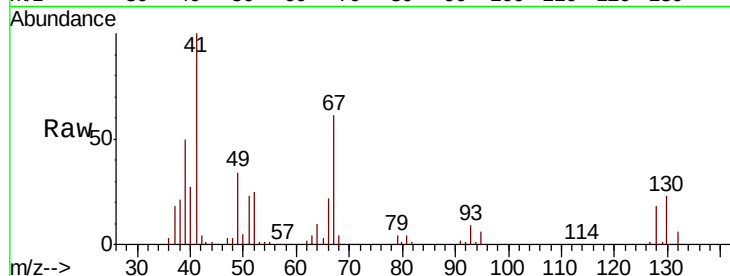
Ion Ratio Lower Upper

41 100

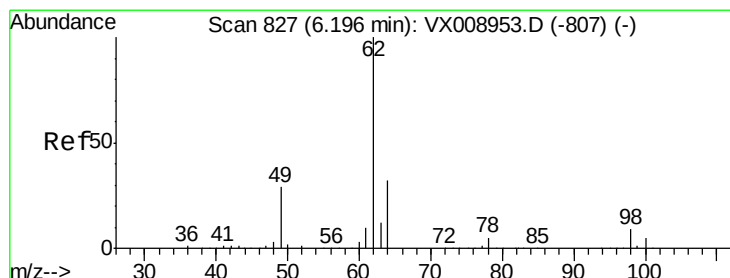
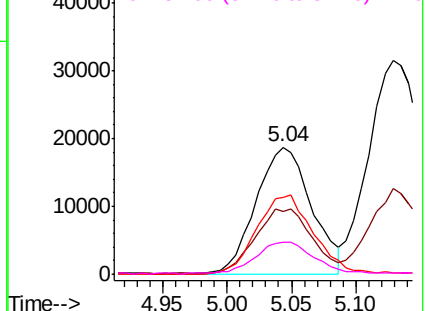
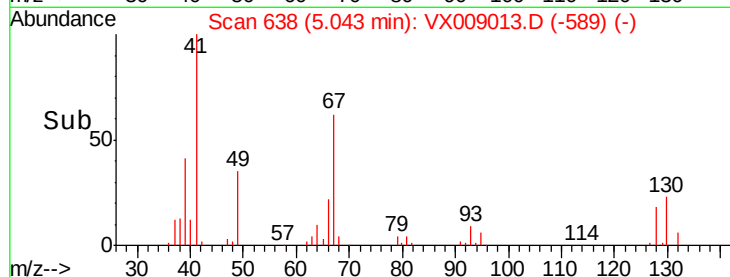
39 53.3 41.8 62.6

67 64.5 50.2 75.4

52 28.0 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: 19.803 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX009013.D

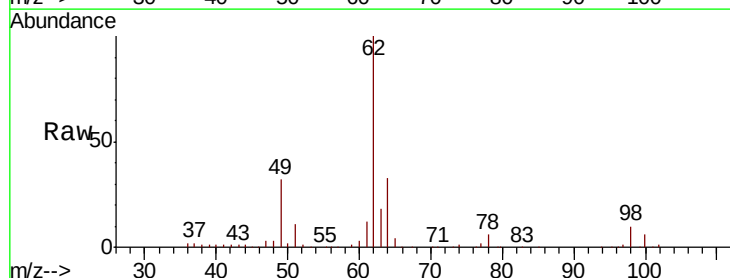
Acq: 17 Apr 2019 14:37

Tgt Ion: 62 Resp: 76308

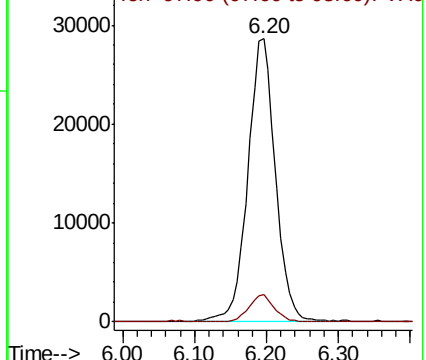
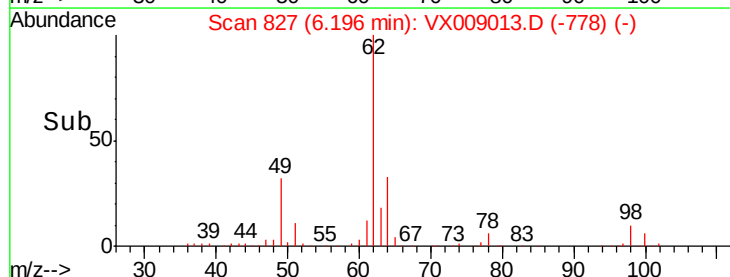
Ion Ratio Lower Upper

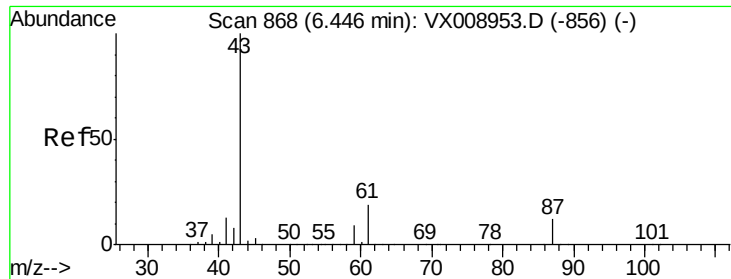
62 100

98 8.8 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: 20.315 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

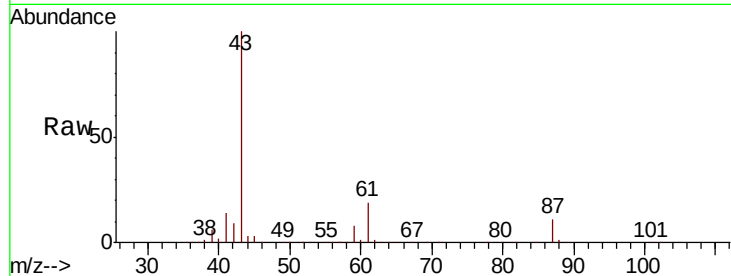
Tot Ion: 43 Resp: 155329

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

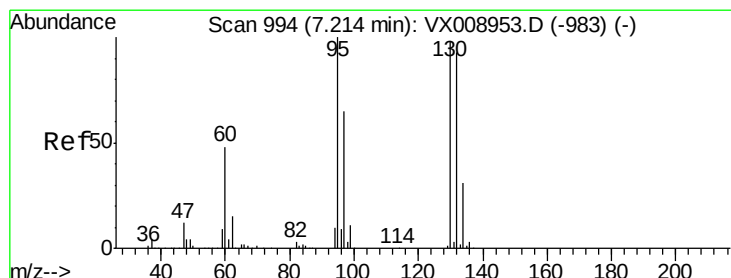
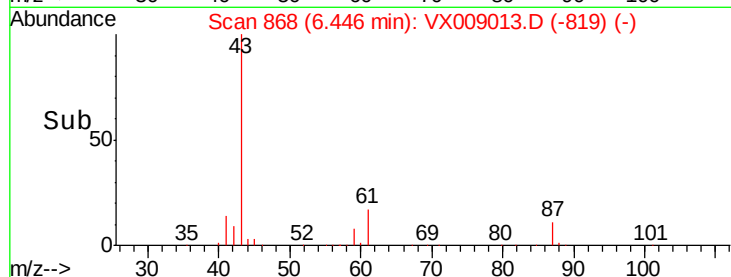
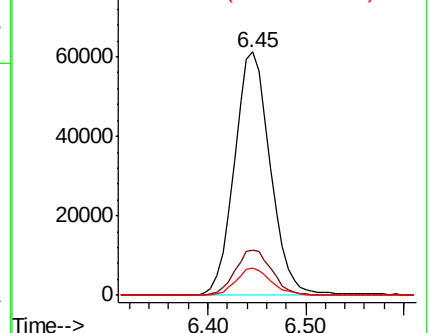
87 11.1 9.0 13.4



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: 18.970 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009013.D

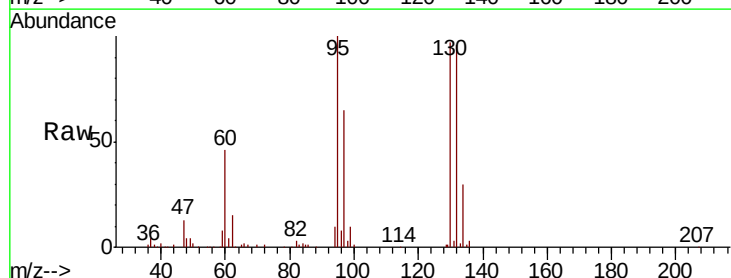
Acq: 17 Apr 2019 14:37

Tgt Ion:130 Resp: 50560

Ion Ratio Lower Upper

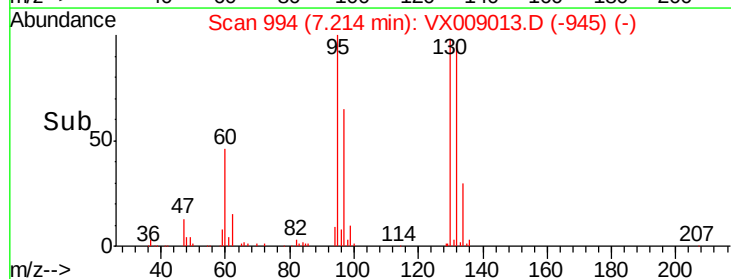
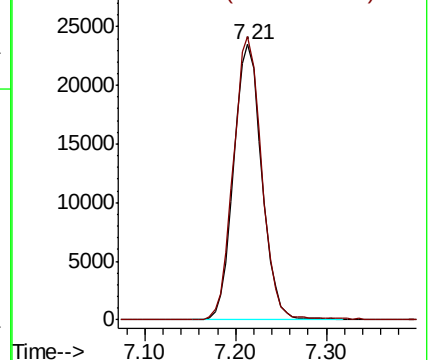
130 100

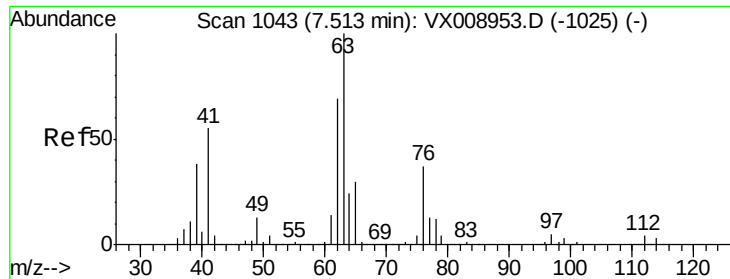
95 102.8 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

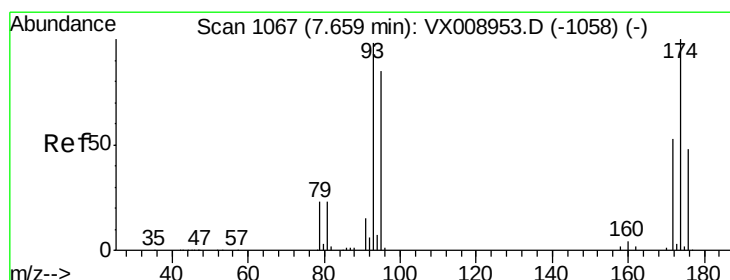
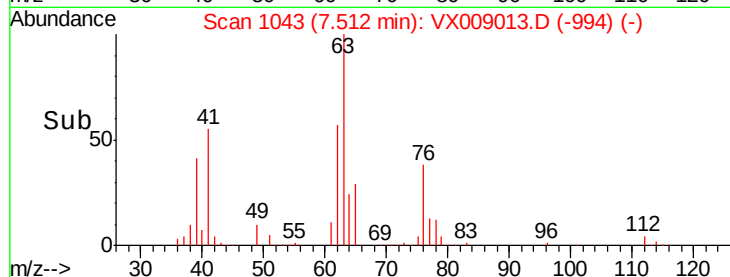
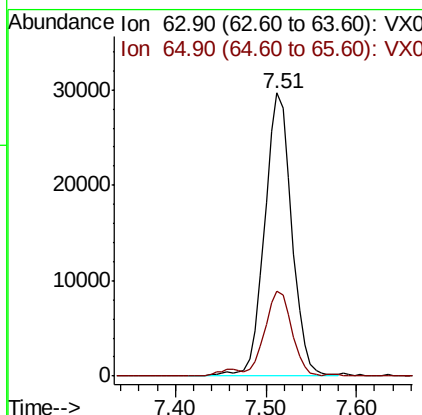
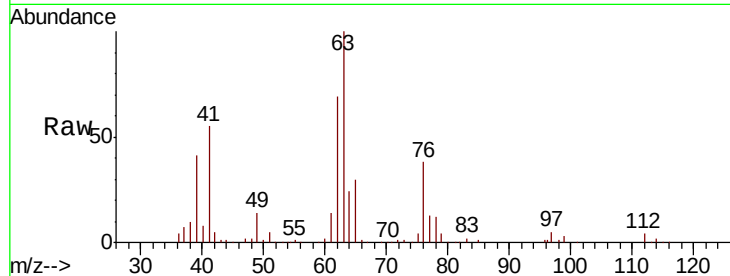




#45
 1,2-Dichloropropane
 Concen: 20.337 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

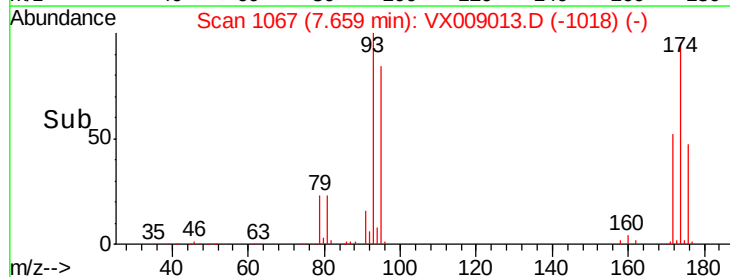
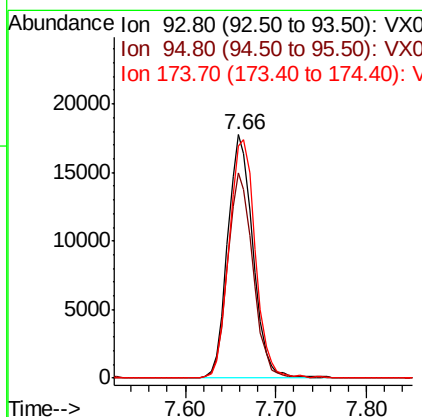
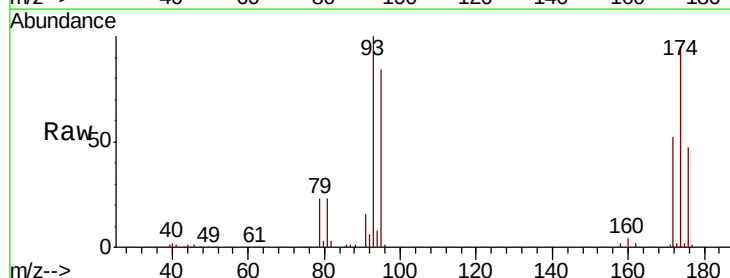
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

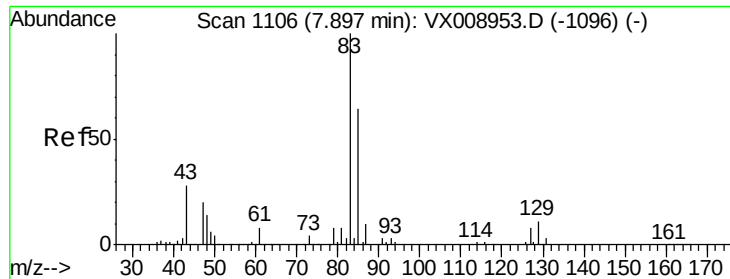
Tot Ion: 63 Resp: 61371
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1



#46
 Dibromomethane
 Concen: 19.529 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 93 Resp: 34299
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.4
 174 101.6 81.6 122.4





#47

Bromodichloromethane

Concen: 19.410 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

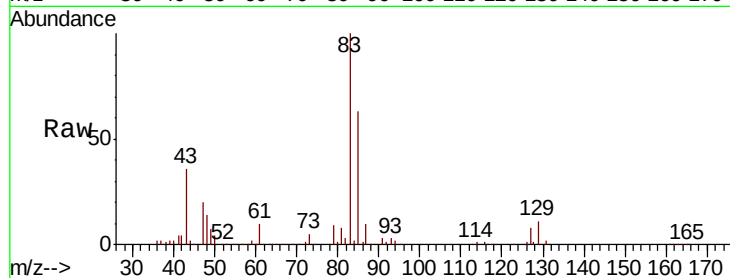
Tot Ion: 83 Resp: 66860

Ion Ratio Lower Upper

83 100

85 63.1 50.8 76.2

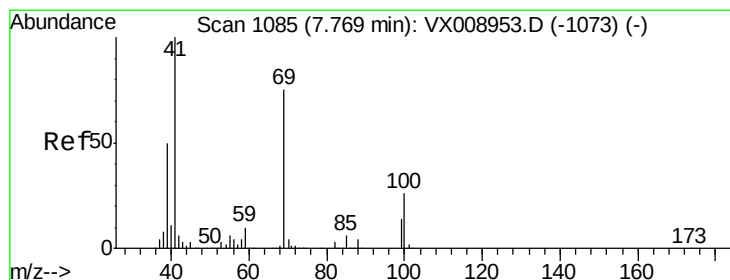
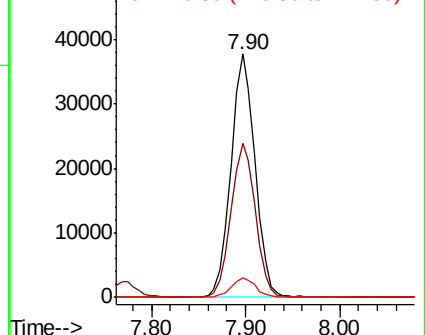
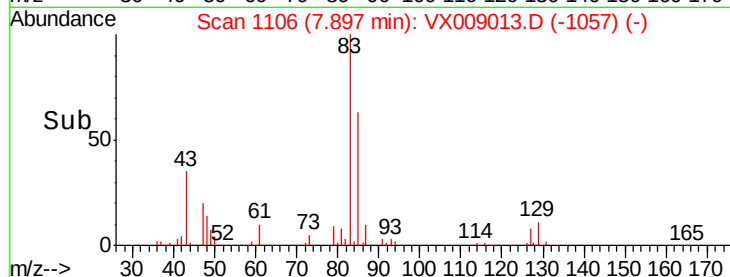
127 8.1 6.4 9.6



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: 20.843 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

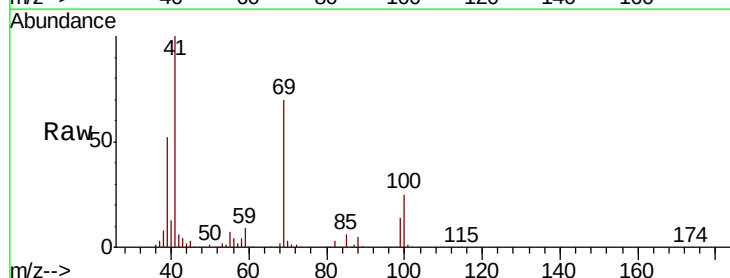
Tgt Ion: 41 Resp: 78744

Ion Ratio Lower Upper

41 100

69 72.8 59.4 89.2

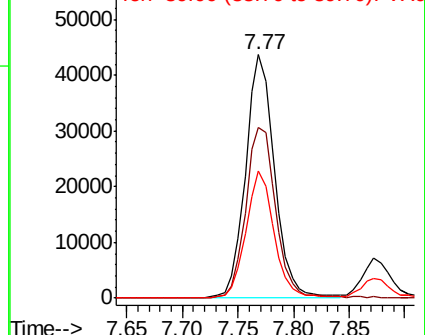
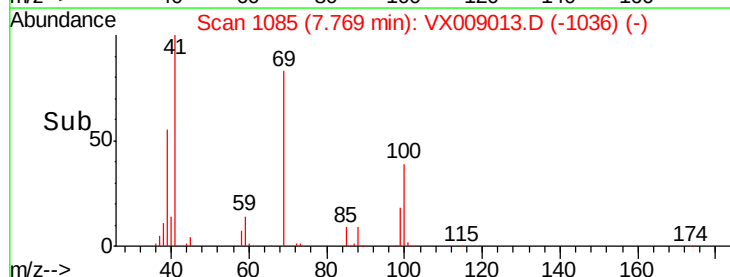
39 50.2 39.8 59.6

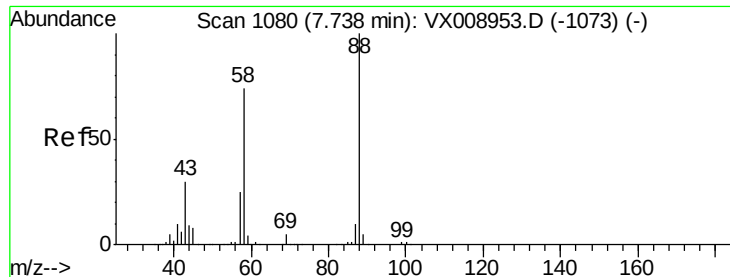


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 406.377 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

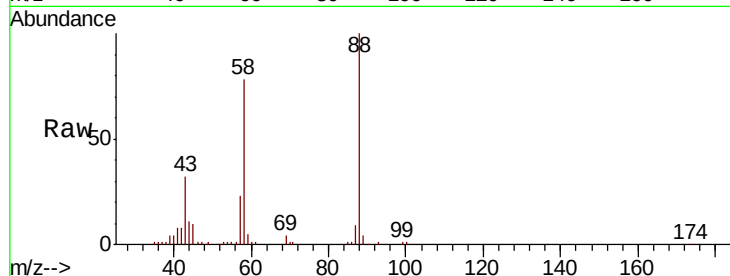
Tot Ion: 88 Resp: 28736

Ion Ratio Lower Upper

88 100

43 35.6 29.3 43.9

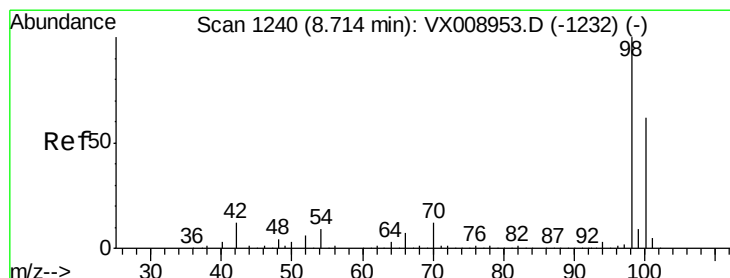
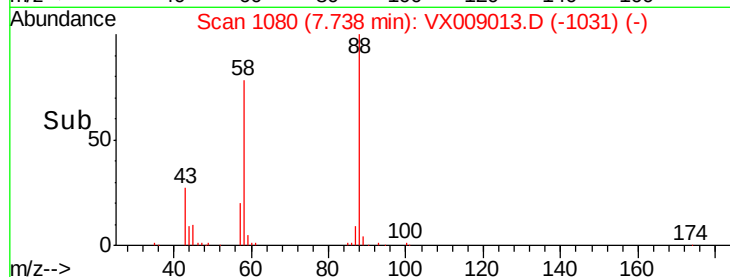
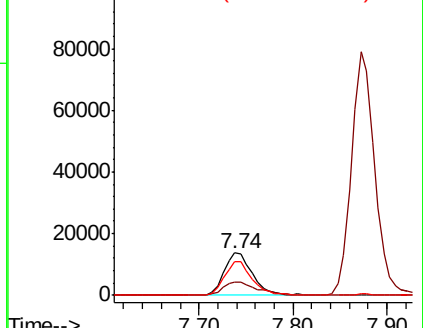
58 78.9 62.6 93.8



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: 49.388 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009013.D

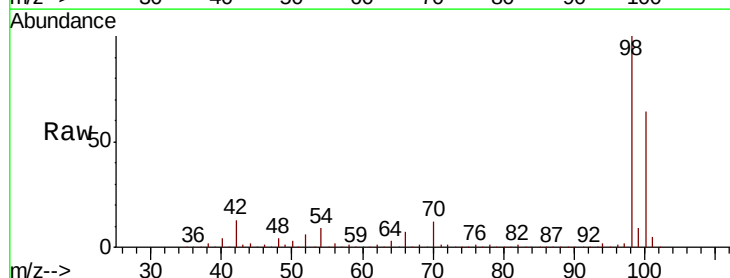
Acq: 17 Apr 2019 14:37

Tgt Ion: 98 Resp: 450670

Ion Ratio Lower Upper

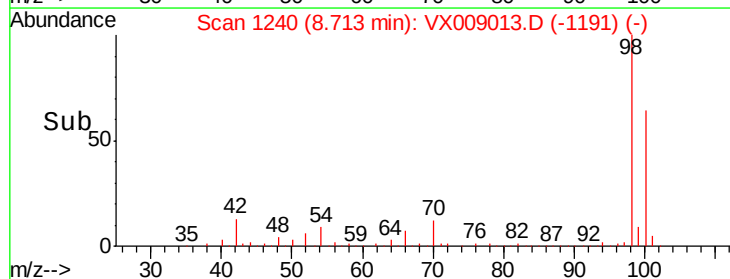
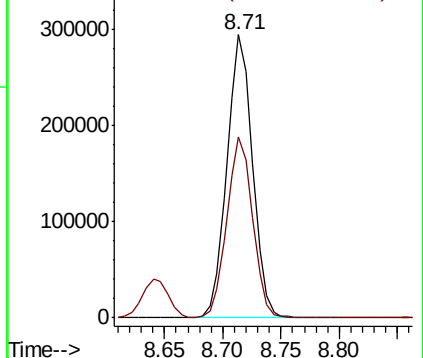
98 100

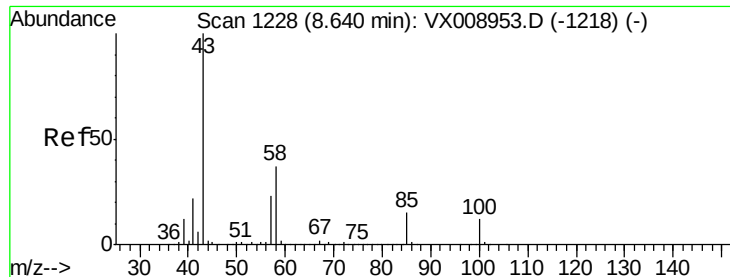
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 105.955 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

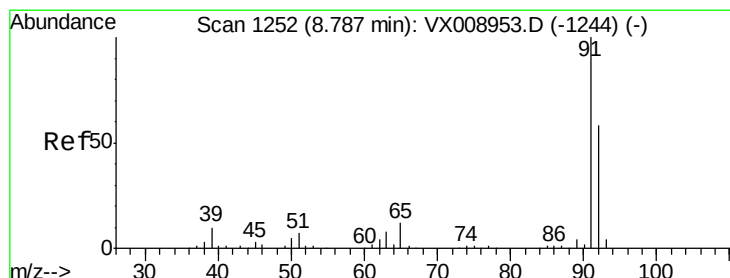
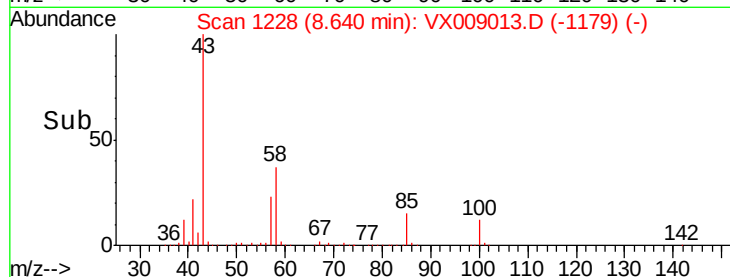
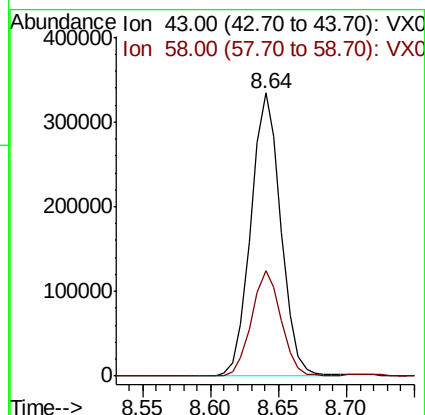
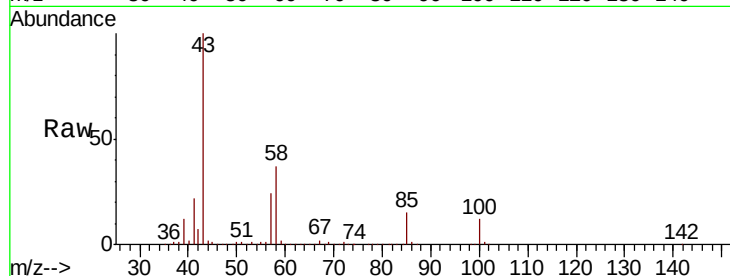
VX0417WBSD01

Tot Ion: 43 Resp: 516124

Ion Ratio Lower Upper

43 100

58 36.9 29.8 44.6



#52

Toluene

Concen: 19.878 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009013.D

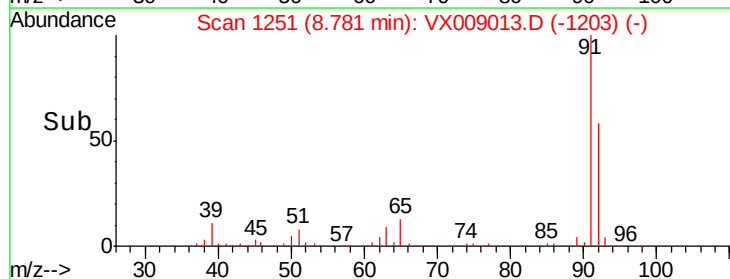
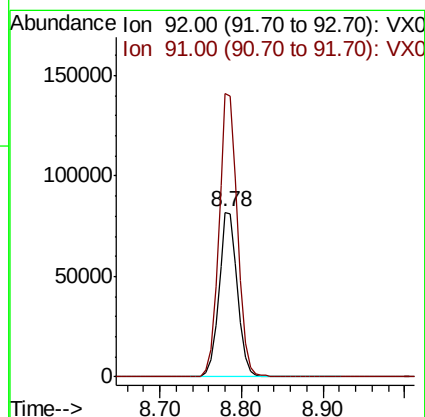
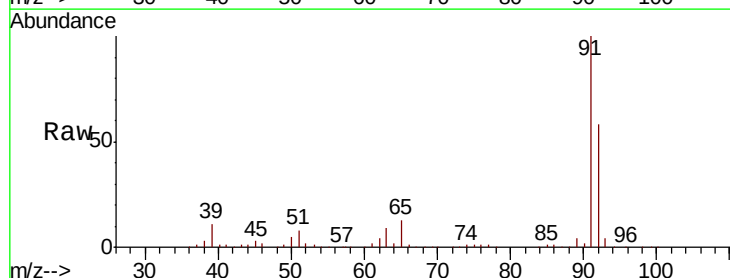
Acq: 17 Apr 2019 14:37

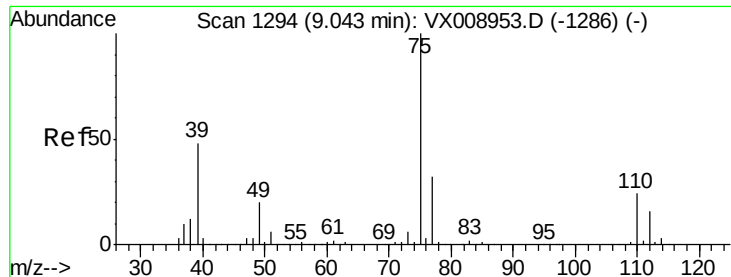
Tgt Ion: 92 Resp: 129589

Ion Ratio Lower Upper

92 100

91 172.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.220 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

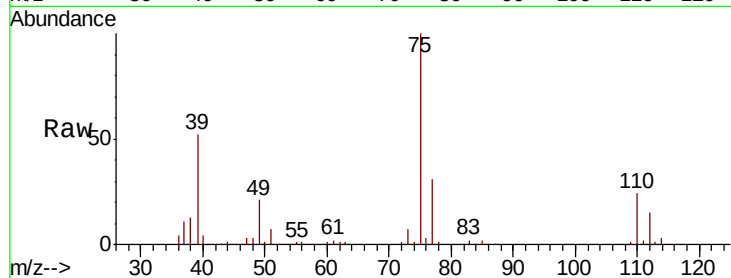
VX0417WBSD01

Tot Ion: 75 Resp: 76195

Ion Ratio Lower Upper

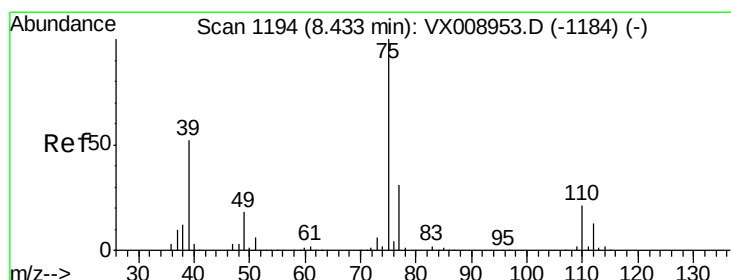
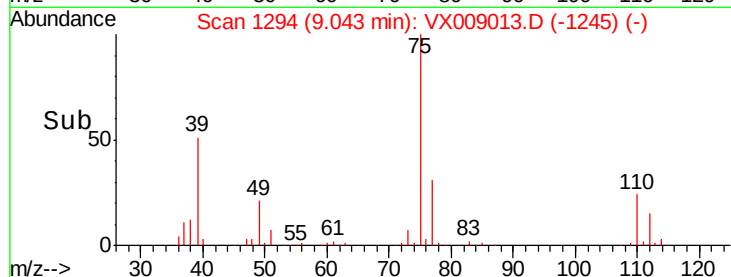
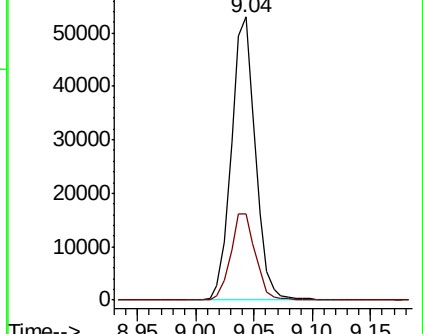
75 100

77 30.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.995 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

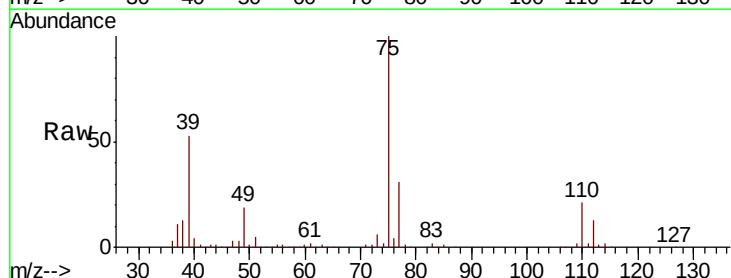
Tgt Ion: 75 Resp: 84319

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

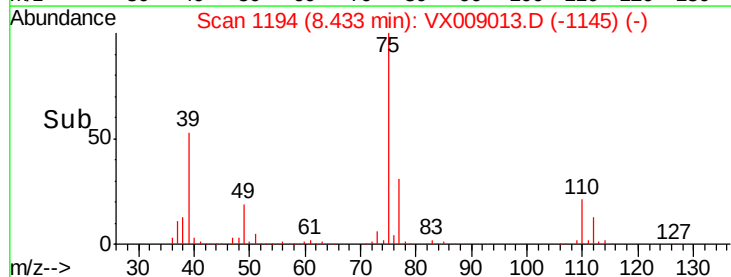
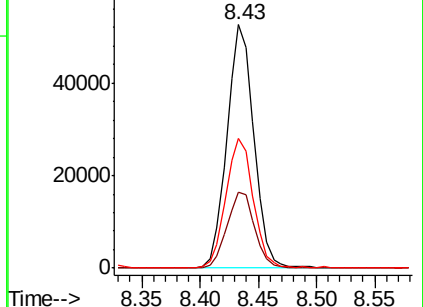
39 53.3 41.8 62.6

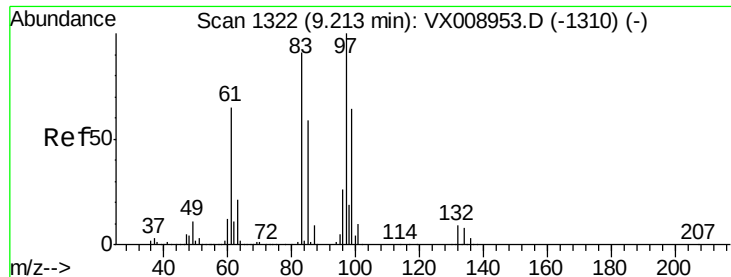


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 19.942 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

Tot Ion: 97 Resp: 51526

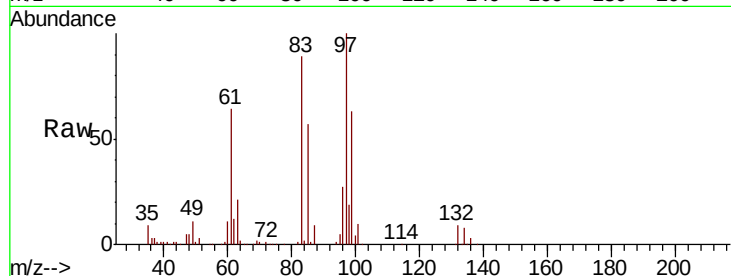
Ion Ratio Lower Upper

97 100

83 89.5 72.6 108.8

85 57.1 46.9 70.3

99 63.3 51.0 76.6

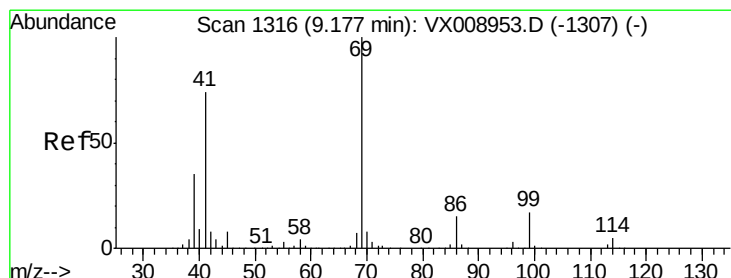
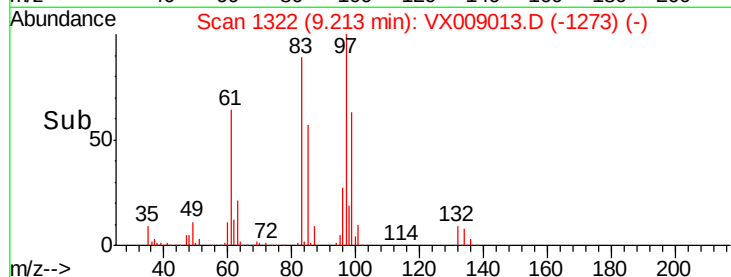
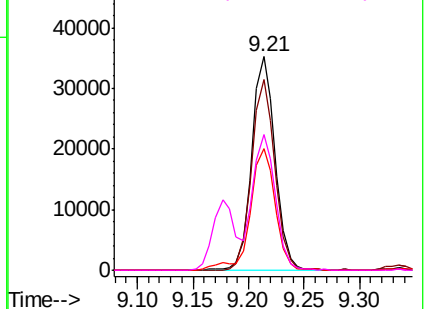


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.380 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

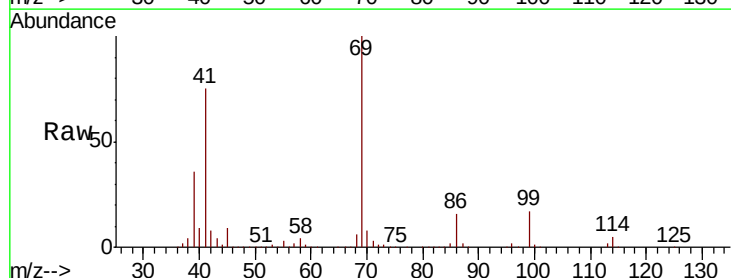
Tgt Ion: 69 Resp: 94419

Ion Ratio Lower Upper

69 100

41 77.2 60.2 90.2

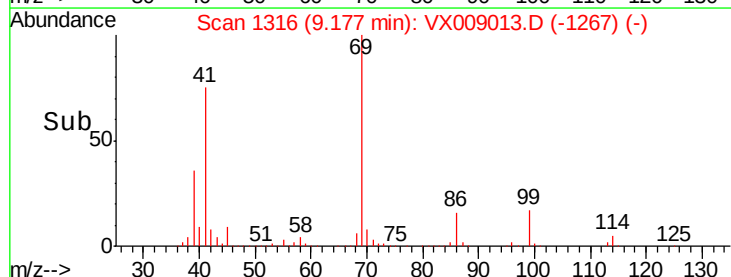
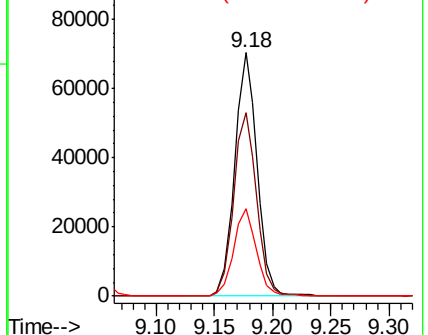
39 35.9 27.9 41.9

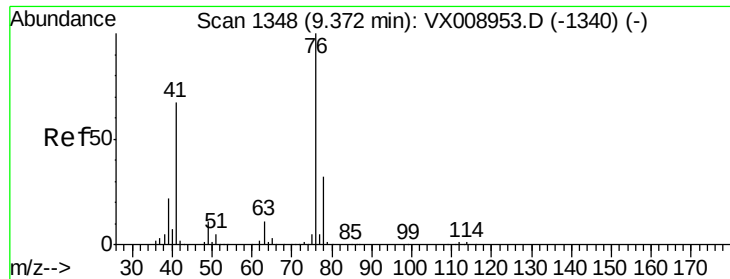


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

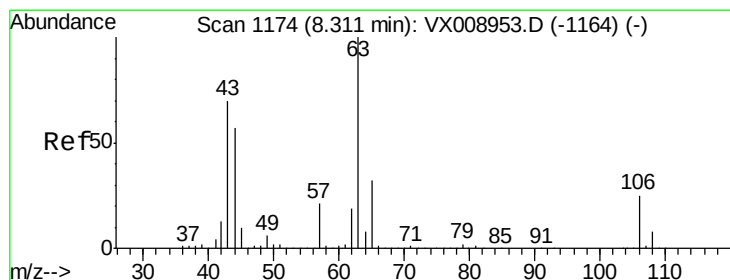
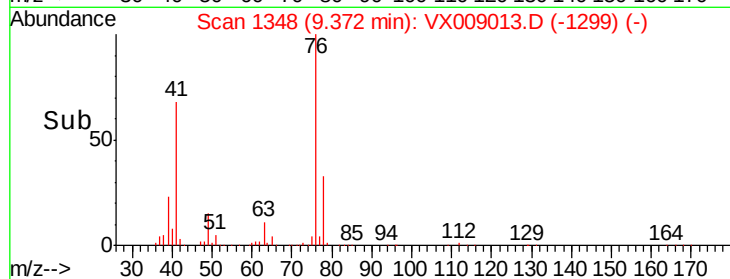
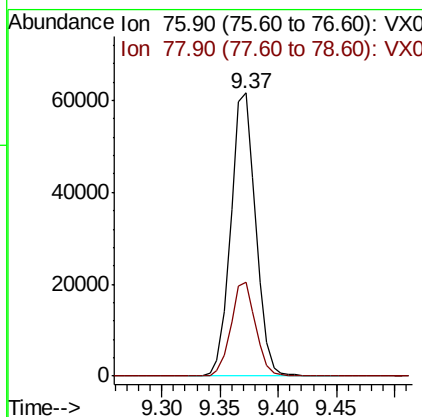
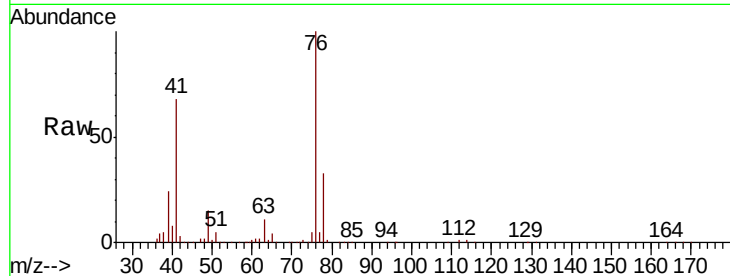




#57
 1,3-Dichloropropane
 Concen: 19.984 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

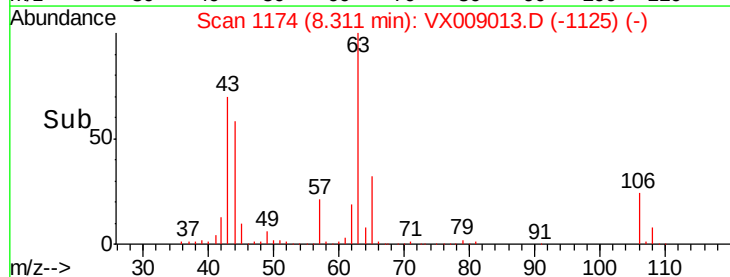
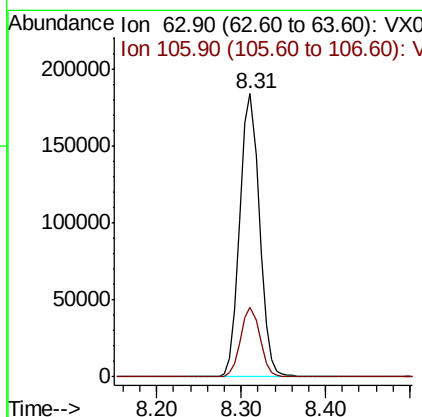
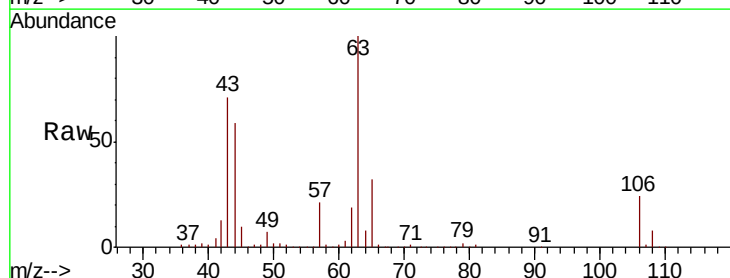
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

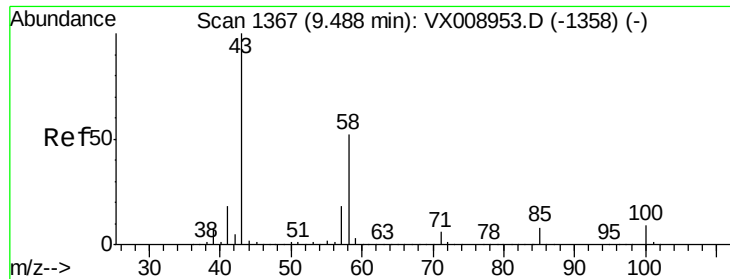
Tot Ion: 76 Resp: 91935
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.539 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 63 Resp: 288251
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.8 29.6

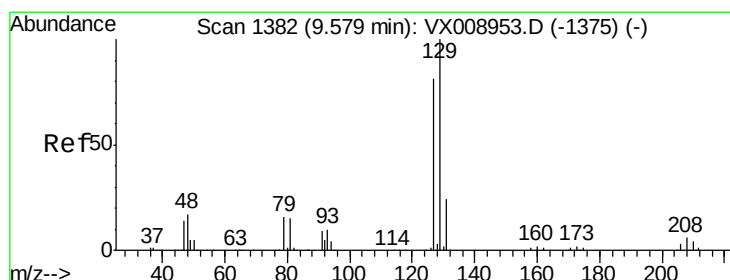
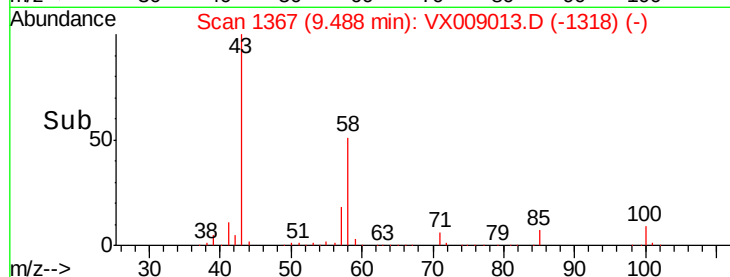
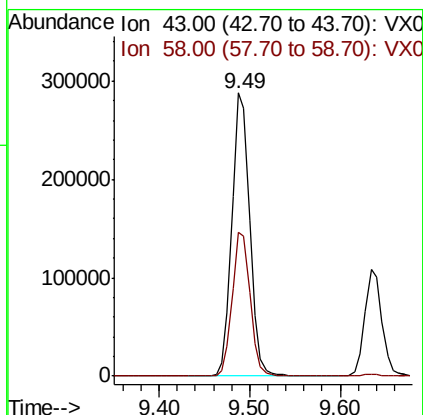
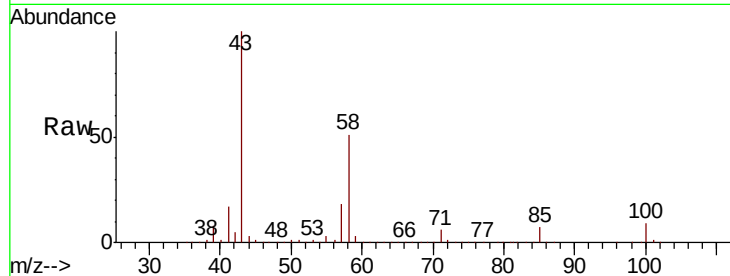




#59
2-Hexanone
Concen: 105.060 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

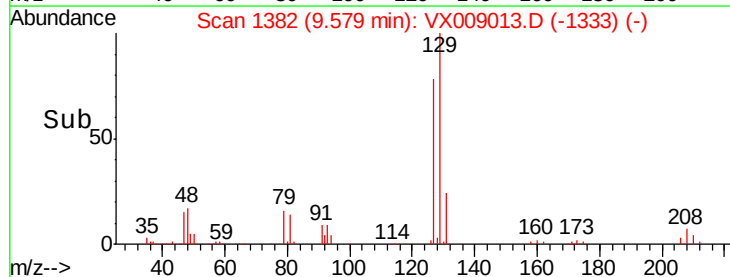
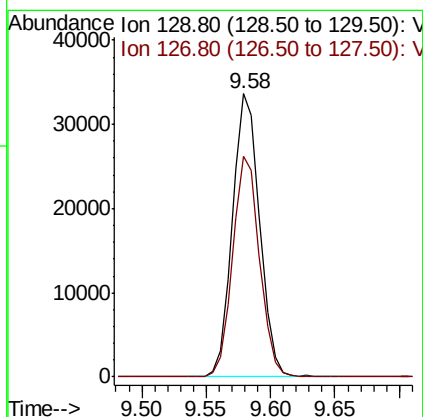
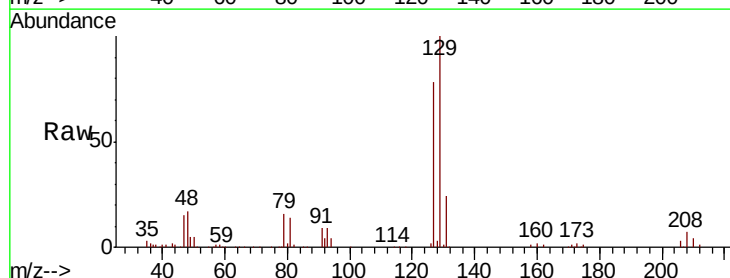
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

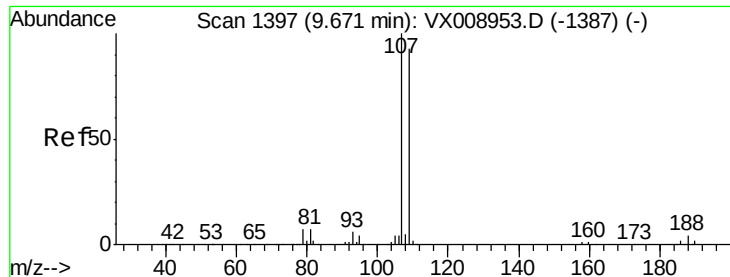
Tot Ion: 43 Resp: 394560
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8



#60
Dibromochloromethane
Concen: 19.990 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:129 Resp: 49502
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.734 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

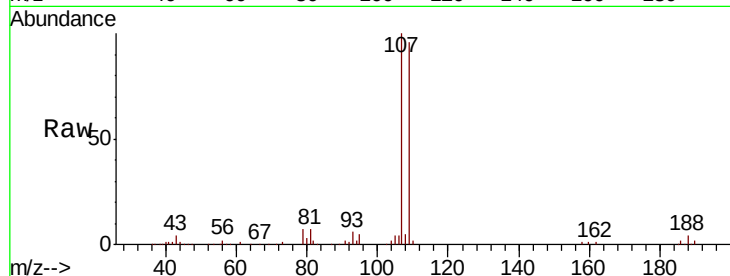
VX0417WBSD01

Tot Ion: 107 Resp: 52623

Ion Ratio Lower Upper

107 100

109 94.6 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

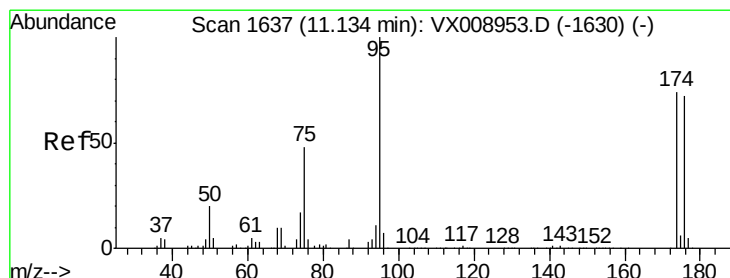
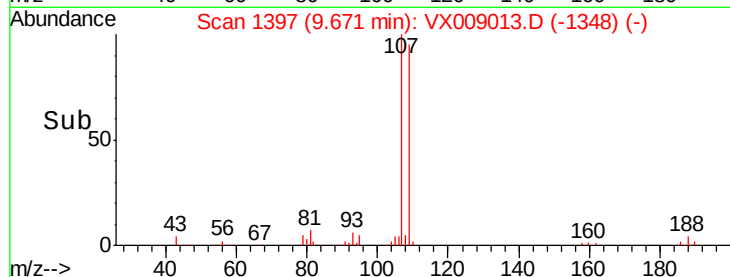
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.890 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

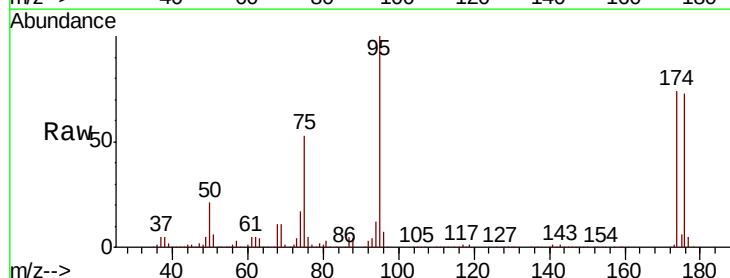
Tgt Ion: 95 Resp: 157484

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

176 77.1 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

150000

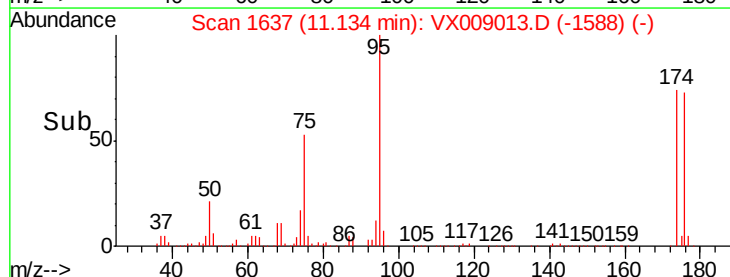
100000

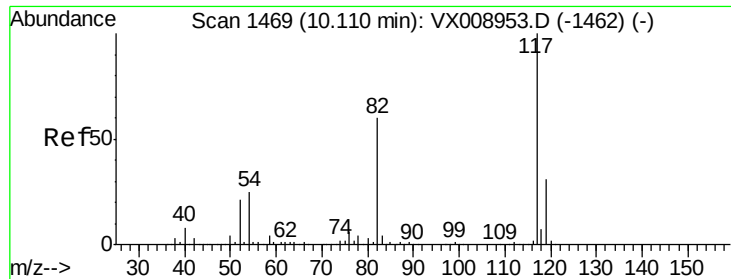
50000

0

11.10 11.13 11.16 11.19 11.22

Time-->

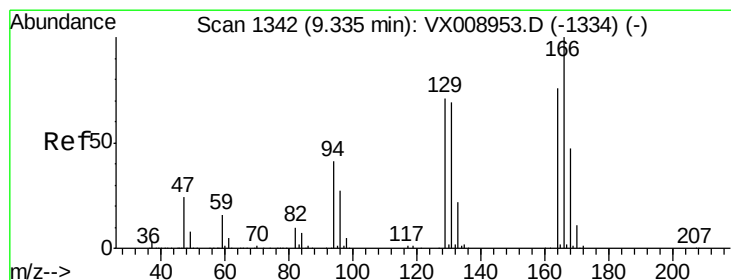
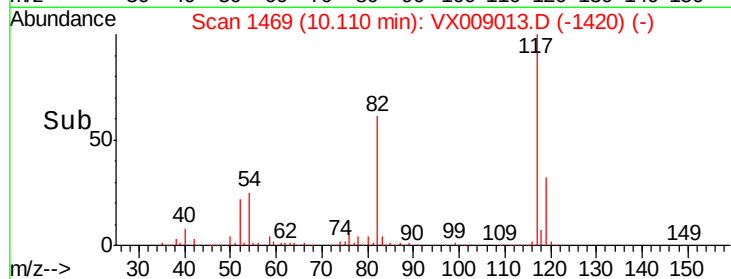
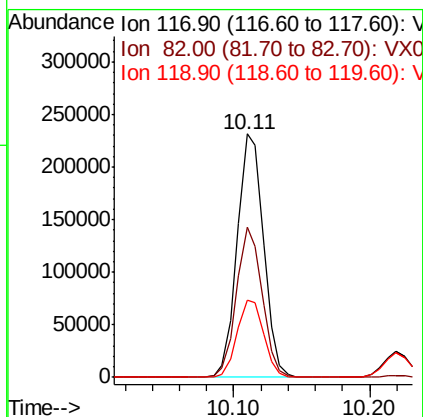
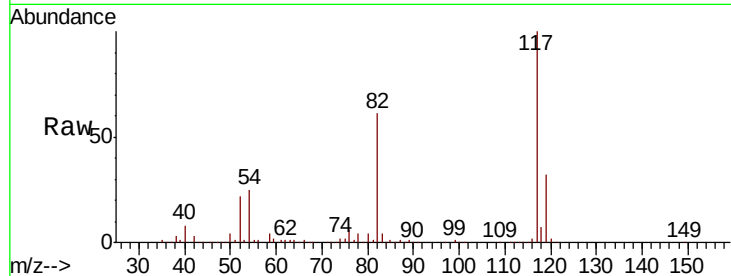




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

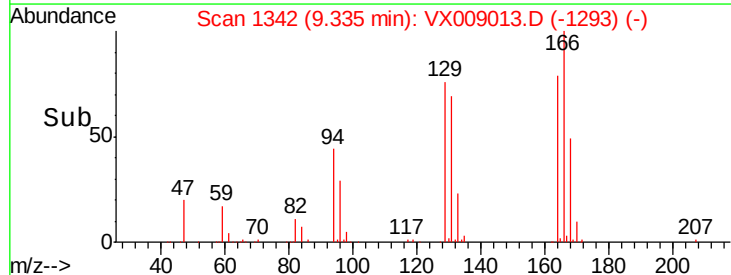
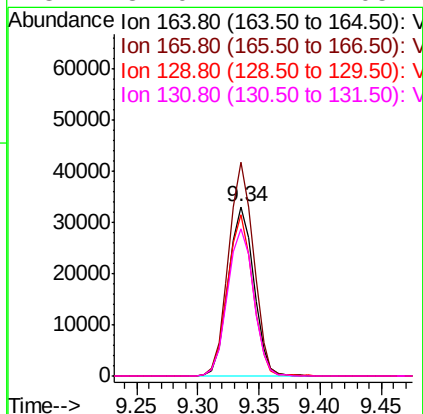
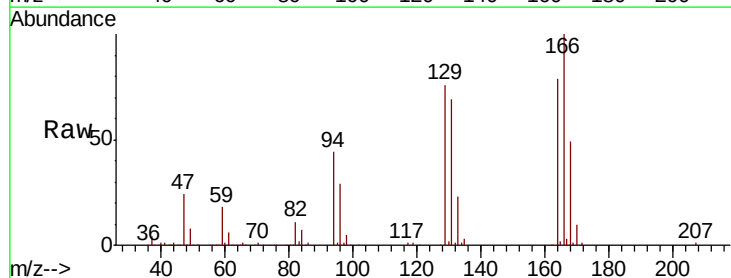
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

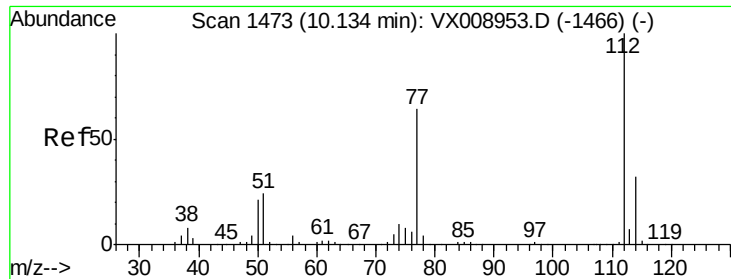
Tot Ion:117 Resp: 313330
Ion Ratio Lower Upper
117 100
82 61.5 48.2 72.4
119 31.6 25.0 37.6



#64
Tetrachloroethene
Concen: 19.931 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:164 Resp: 47443
Ion Ratio Lower Upper
164 100
166 126.1 105.0 157.4
129 95.2 74.2 111.4
131 87.0 72.2 108.2

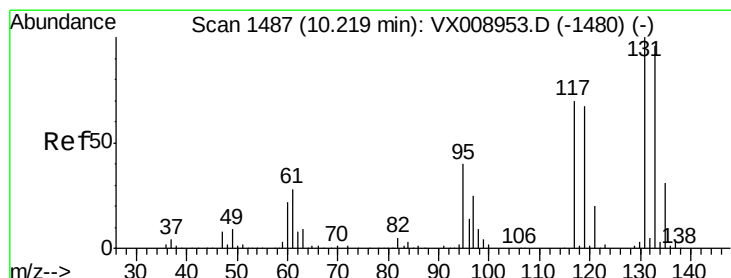
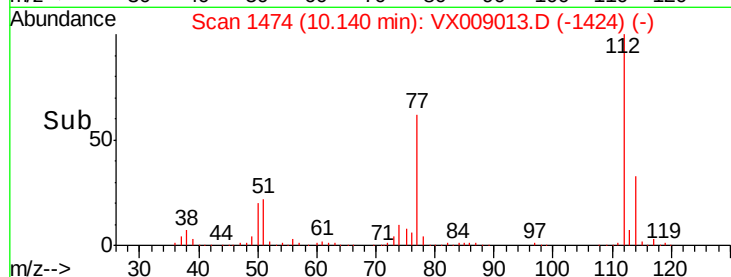
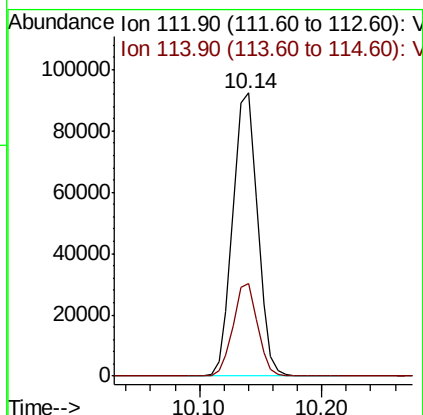
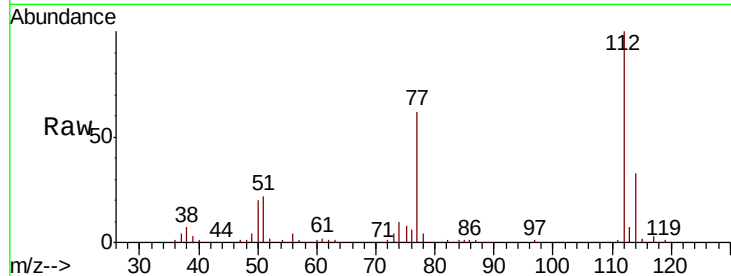




#65
Chlorobenzene
Concen: 19.586 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

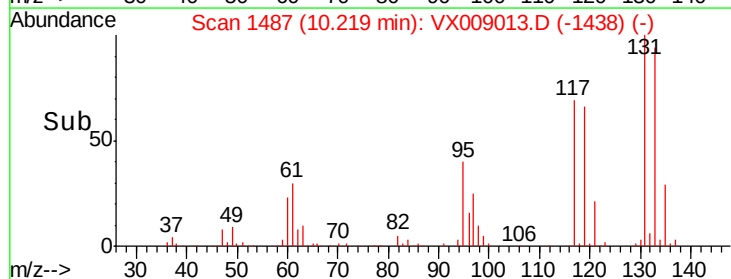
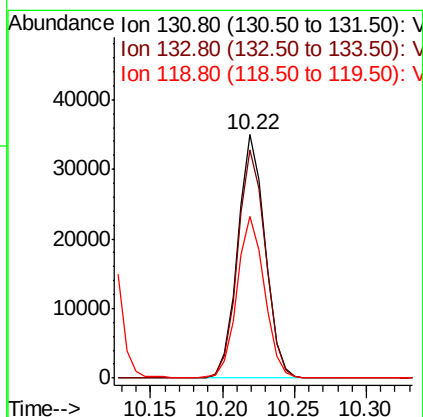
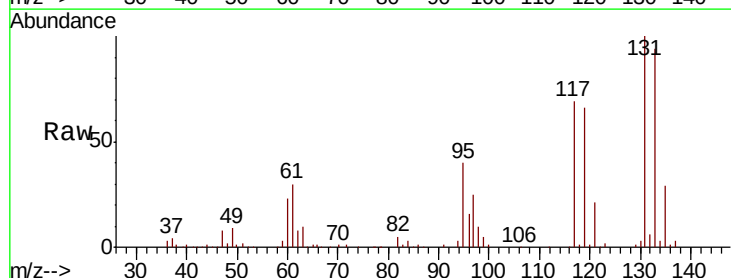
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

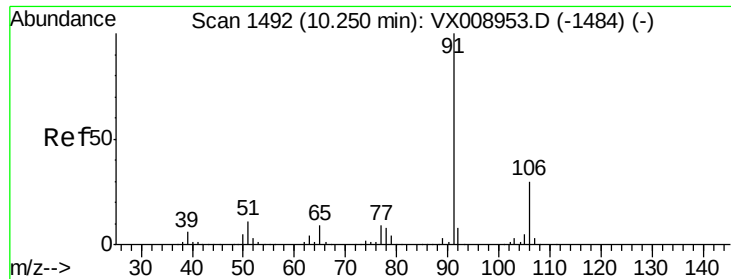
Tot Ion:112 Resp: 129532
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.827 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:131 Resp: 46194
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 67.1 33.7 101.1





#67

Ethyl Benzene

Concen: 19.972 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

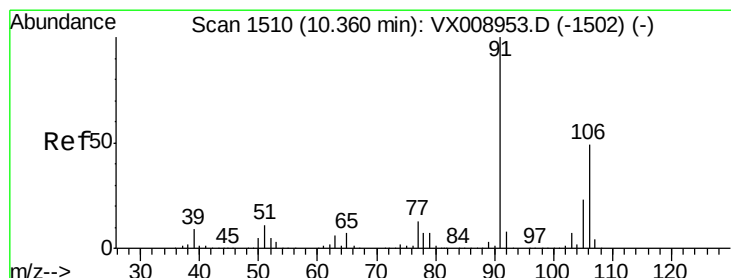
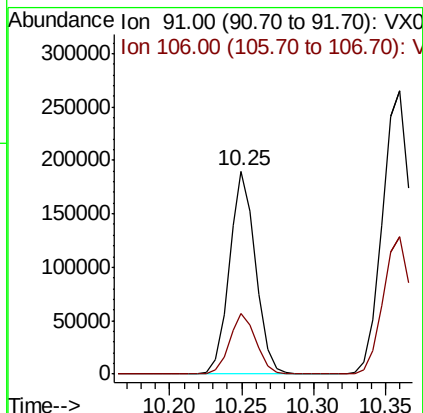
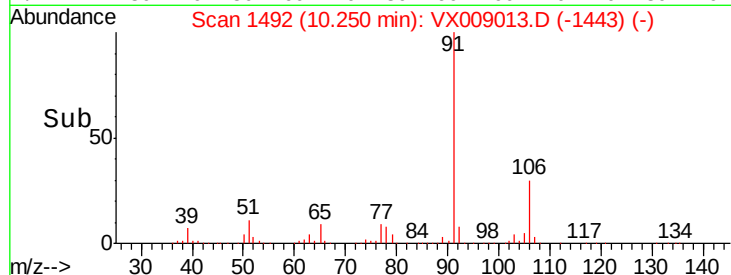
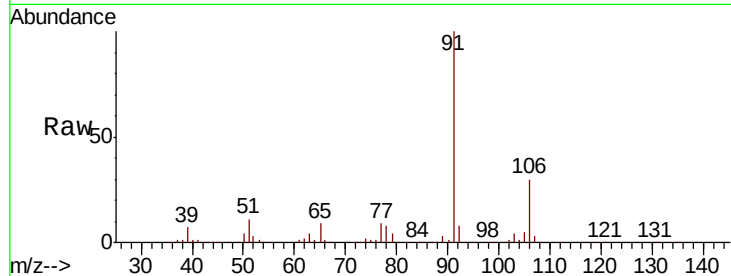
VX0417WBSD01

Tot Ion: 91 Resp: 241458

Ion Ratio Lower Upper

91 100

106 30.1 24.3 36.5



#68

m/p-Xylenes

Concen: 39.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009013.D

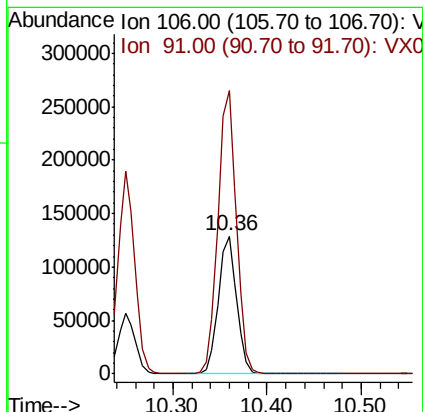
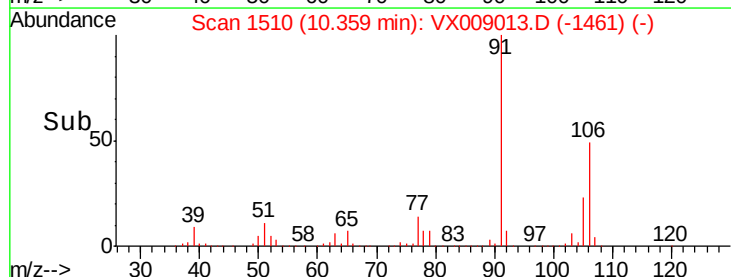
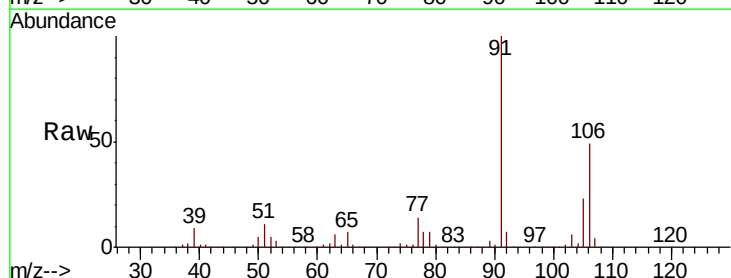
Acq: 17 Apr 2019 14:37

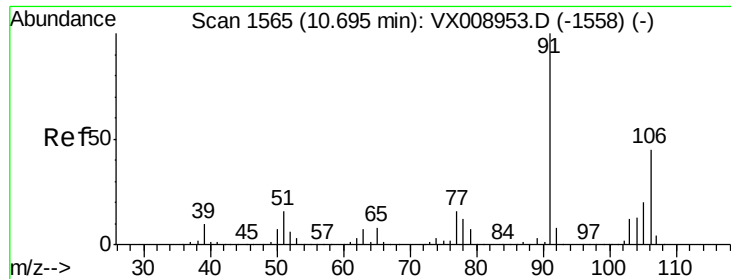
Tgt Ion: 106 Resp: 172748

Ion Ratio Lower Upper

106 100

91 208.6 165.4 248.2

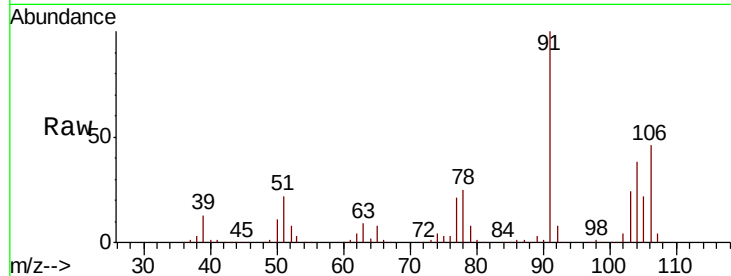




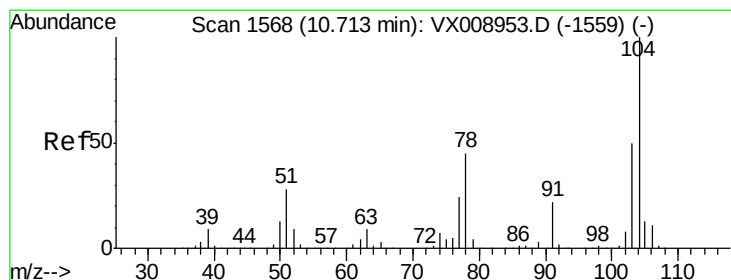
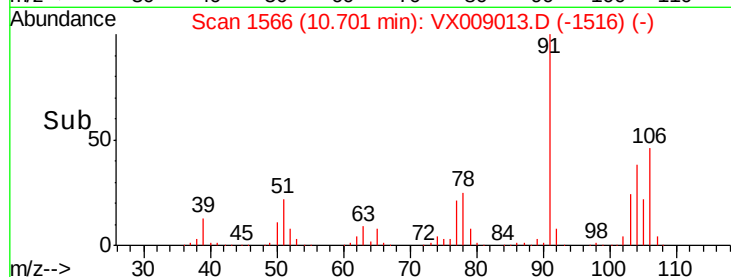
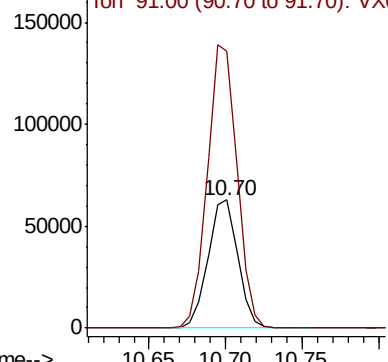
#69
o-Xylene
Concen: 19.804 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion:106 Resp: 84666
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.7

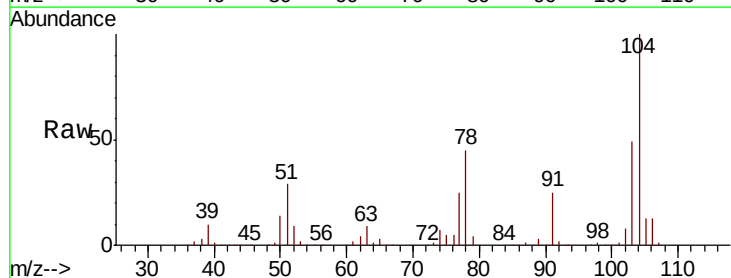


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

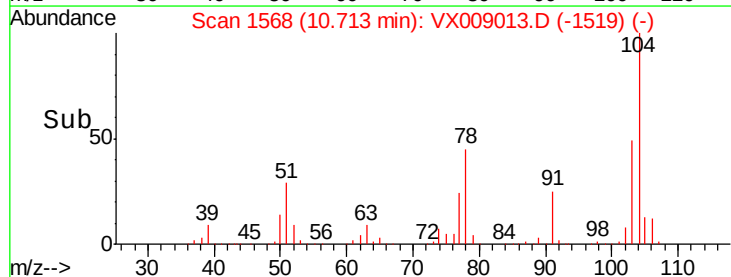
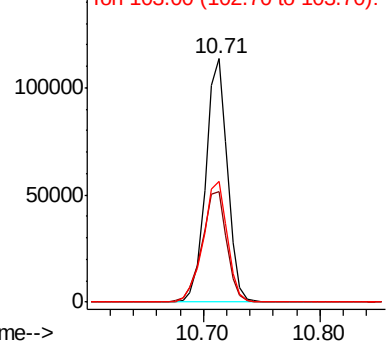


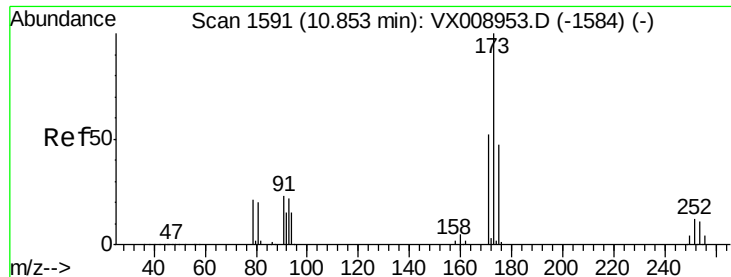
#70
Styrene
Concen: 19.845 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:104 Resp: 147024
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 54.9 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: 19.349 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

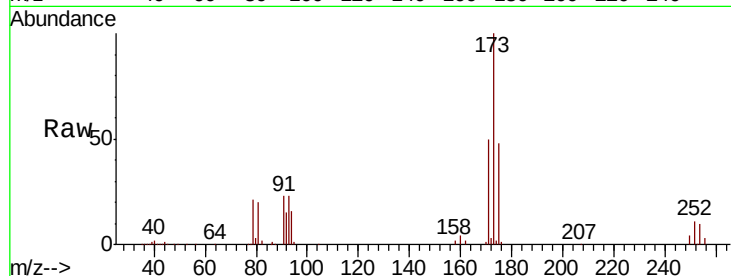
Tot Ion:173 Resp: 35915

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.8

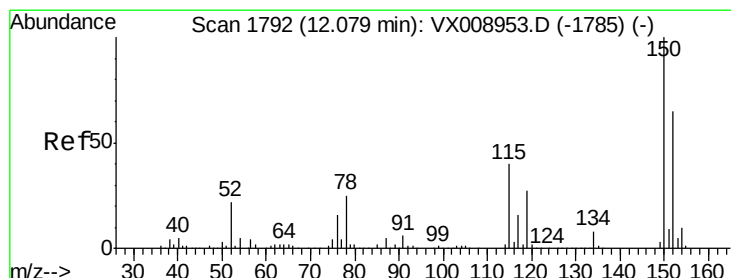
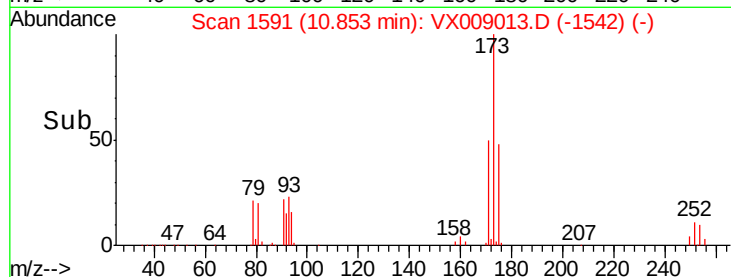
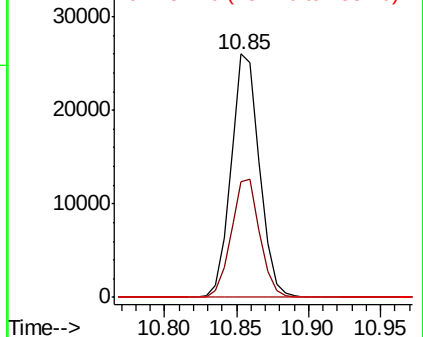
254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

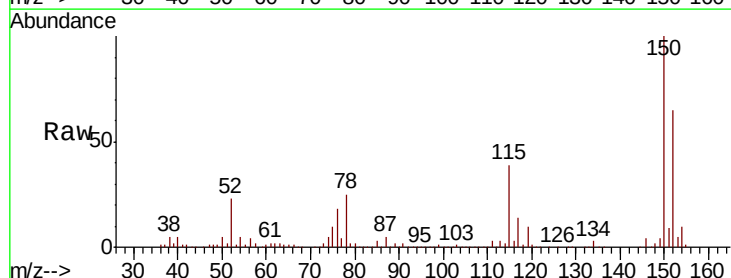
Tgt Ion:152 Resp: 143193

Ion Ratio Lower Upper

152 100

115 69.5 41.4 124.2

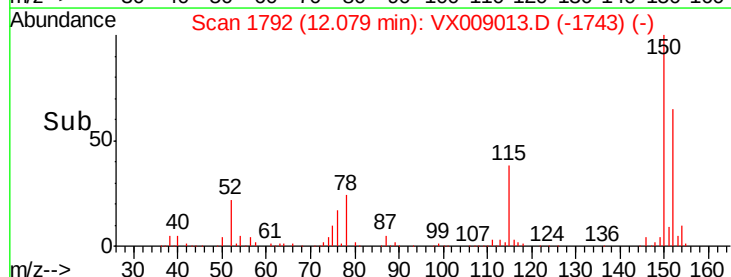
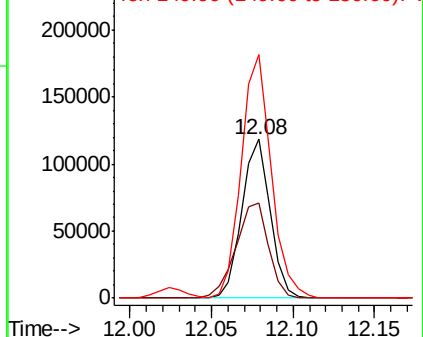
150 163.0 0.0 349.8

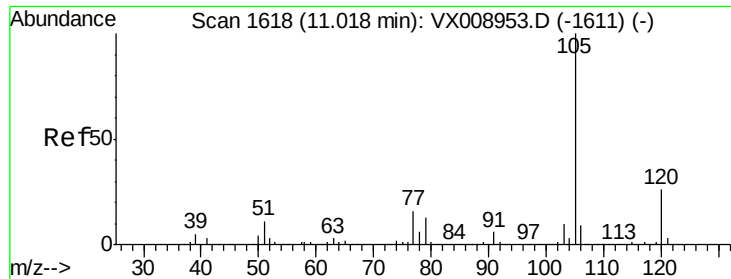


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.789 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

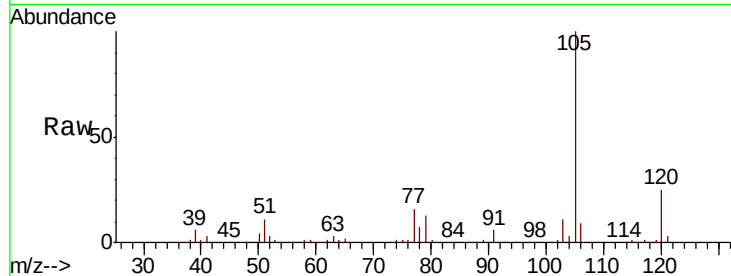
VX0417WBSD01

Tot Ion:105 Resp: 225637

Ion Ratio Lower Upper

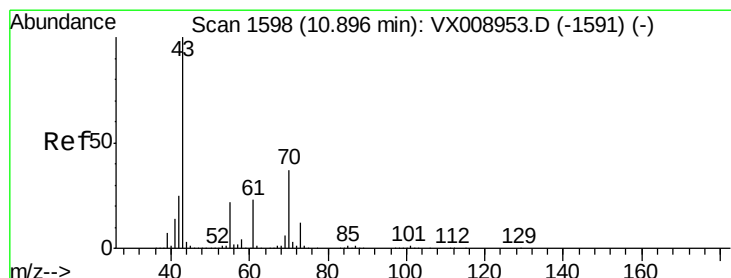
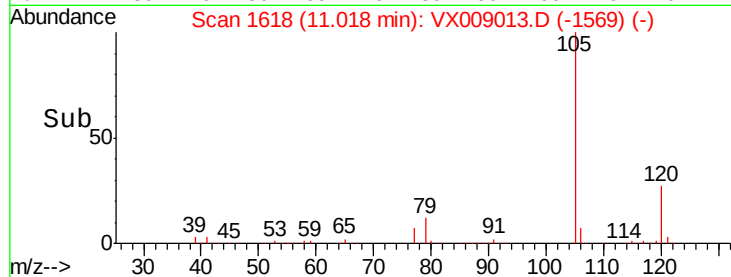
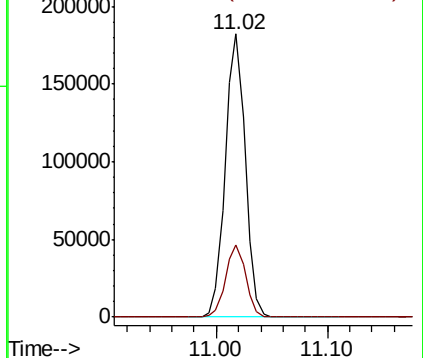
105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.140 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Tgt Ion: 43 Resp: 131745

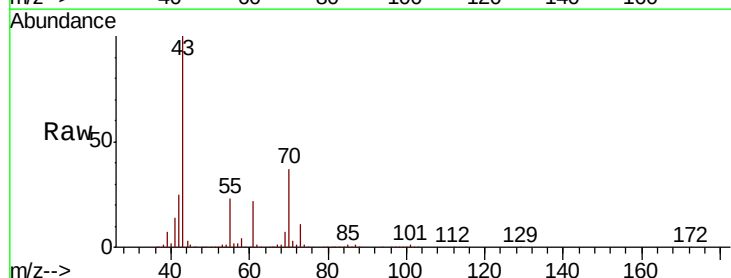
Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.7 17.8 26.8

61 22.6 18.3 27.5

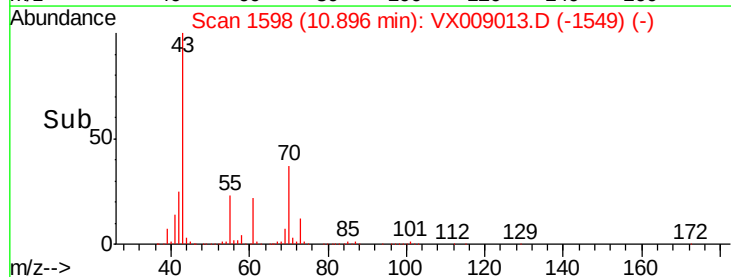
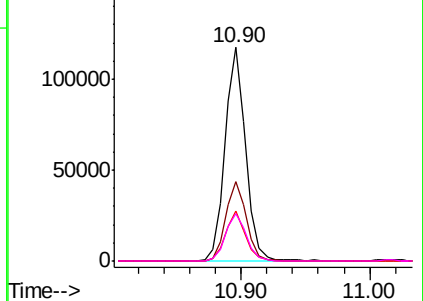


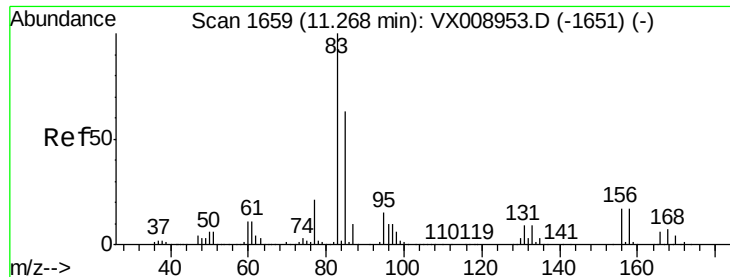
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.254 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

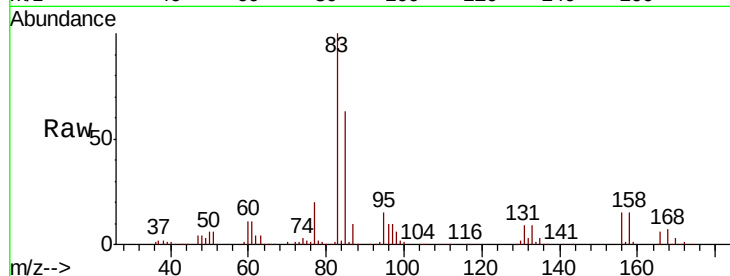
Tot Ion: 83 Resp: 84287

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

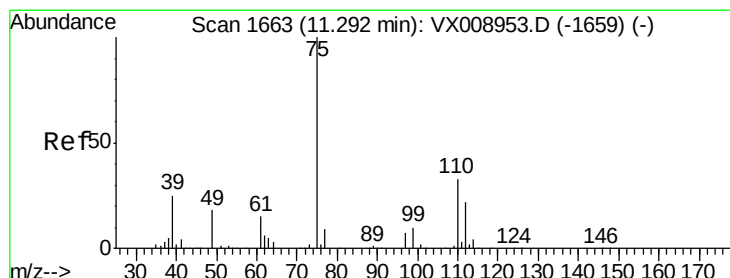
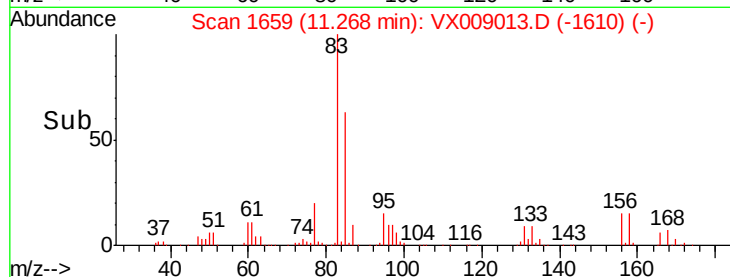
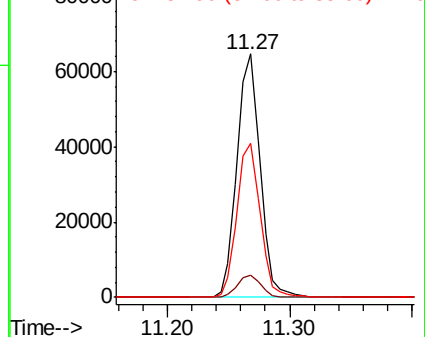
85 63.5 31.9 95.9



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: 27.479 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009013.D

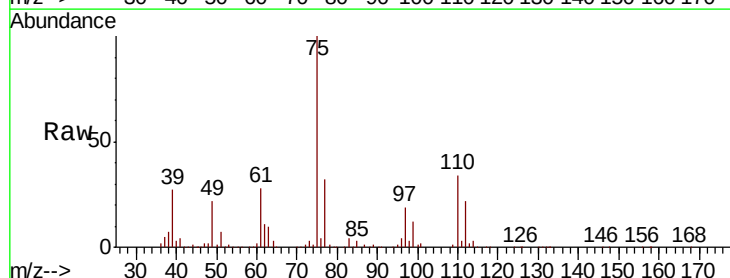
Acq: 17 Apr 2019 14:37

Tgt Ion: 75 Resp: 96079

Ion Ratio Lower Upper

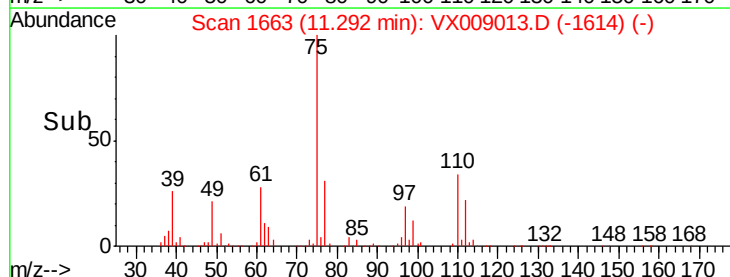
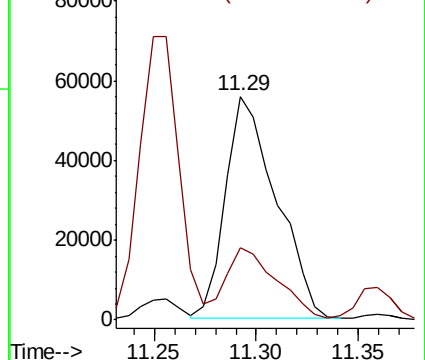
75 100

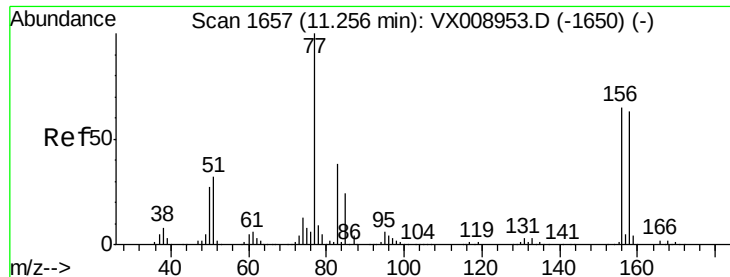
77 32.8 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.726 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

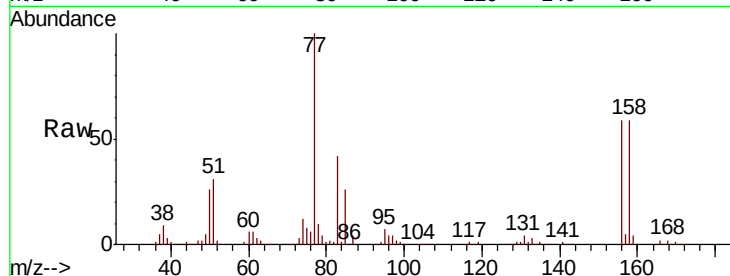
Tot Ion:156 Resp: 54019

Ion Ratio Lower Upper

156 100

77 176.8 85.4 256.1

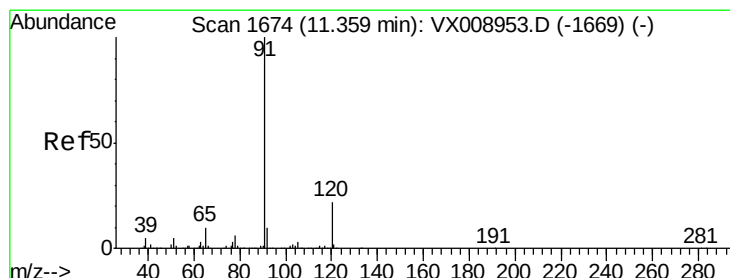
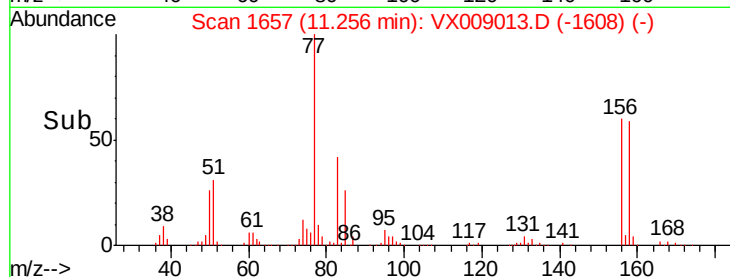
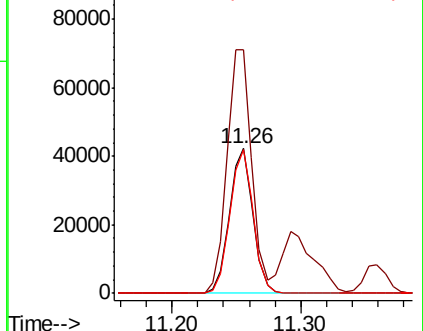
158 98.5 48.8 146.4



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: 20.633 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009013.D

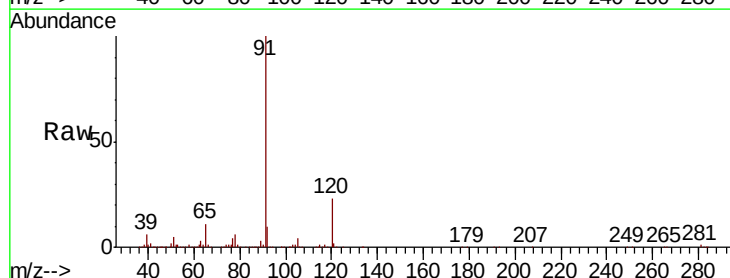
Acq: 17 Apr 2019 14:37

Tgt Ion: 91 Resp: 257041

Ion Ratio Lower Upper

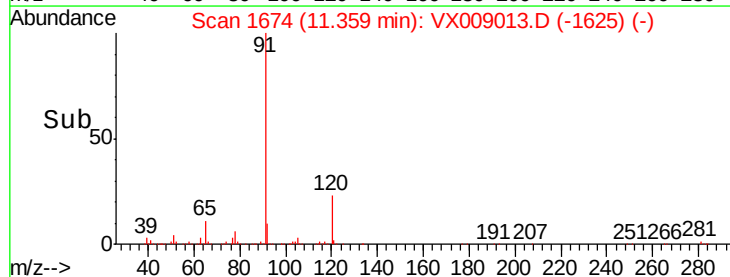
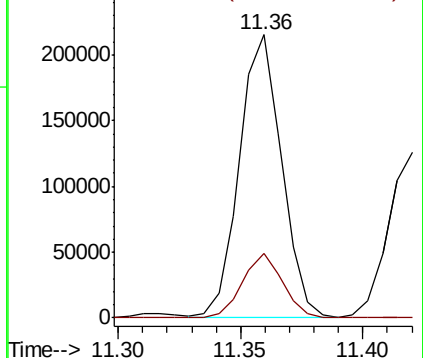
91 100

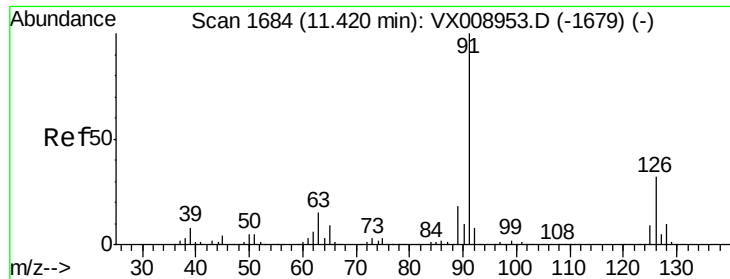
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

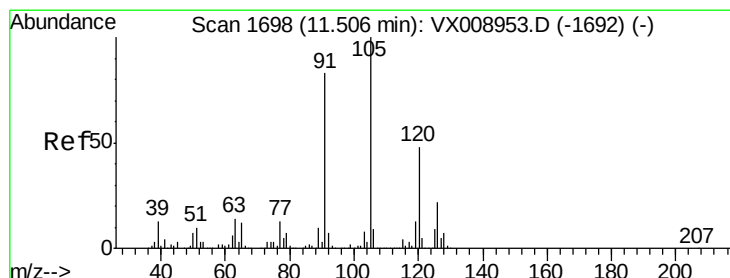
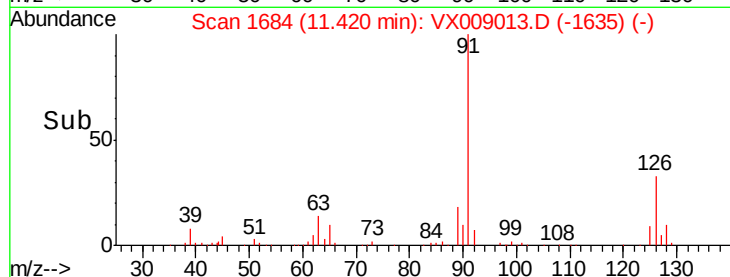
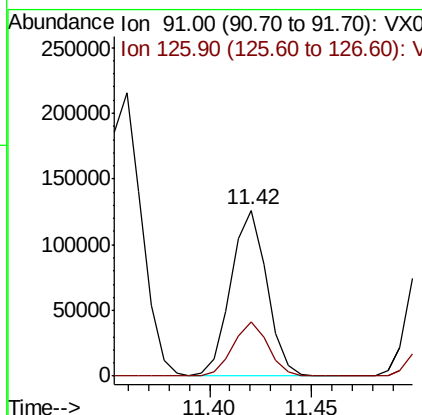
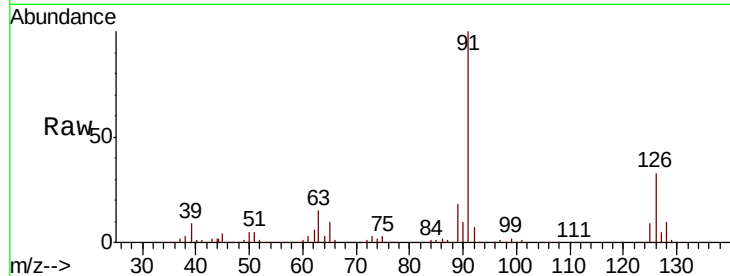




#79
 2-Chlorotoluene
 Concen: 20.410 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

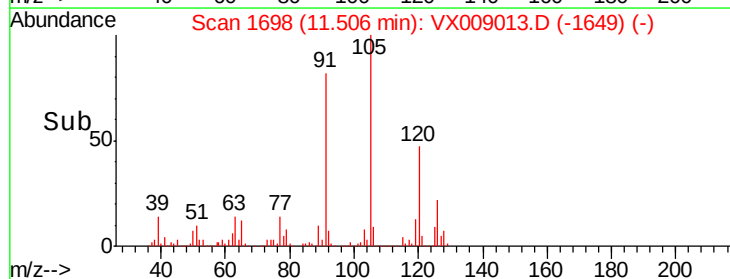
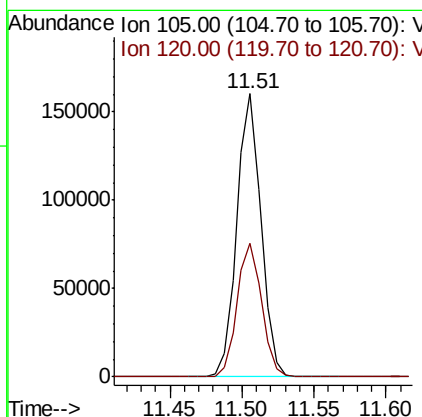
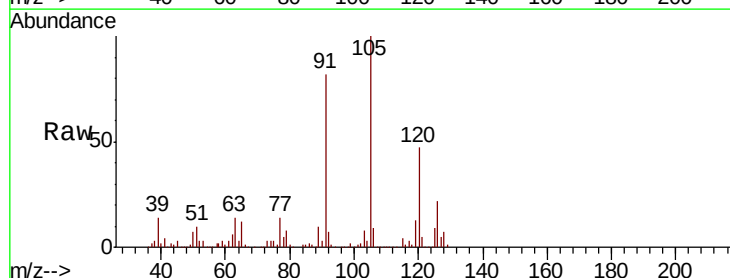
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

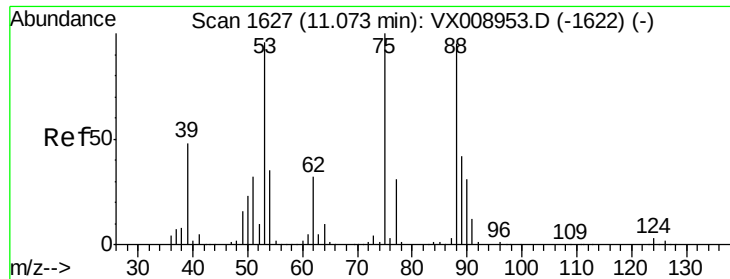
Tot Ion: 91 Resp: 153222
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.599 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion:105 Resp: 187622
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.513 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

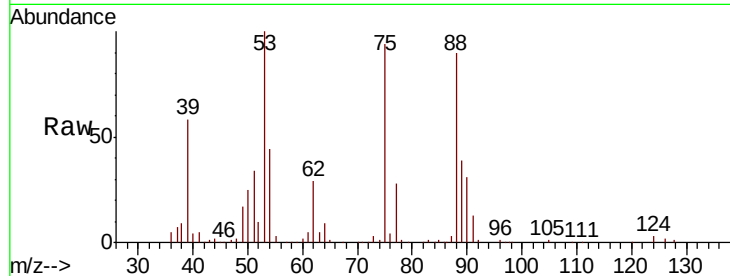
Tot Ion: 75 Resp: 26576

Ion Ratio Lower Upper

75 100

53 105.1 78.2 117.4

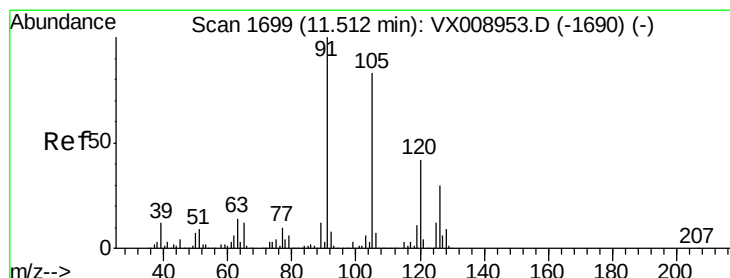
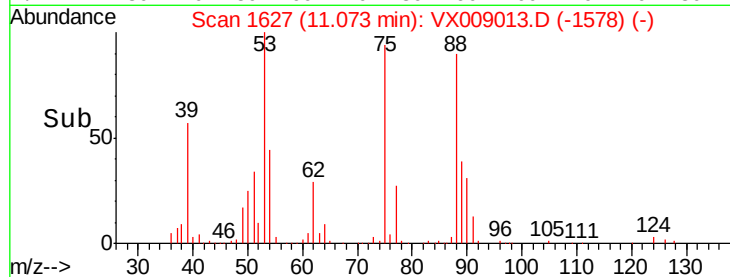
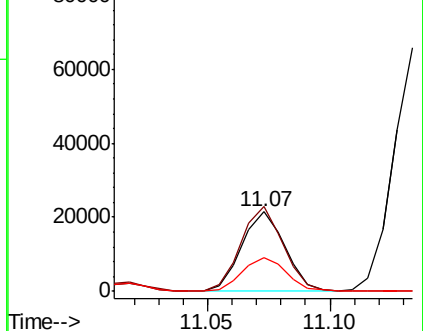
89 43.1 36.0 54.0



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: 20.119 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009013.D

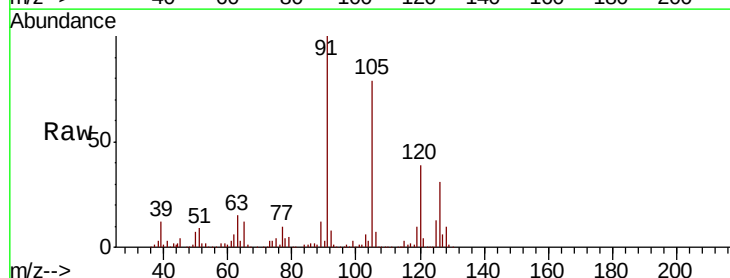
Acq: 17 Apr 2019 14:37

Tgt Ion: 91 Resp: 175411

Ion Ratio Lower Upper

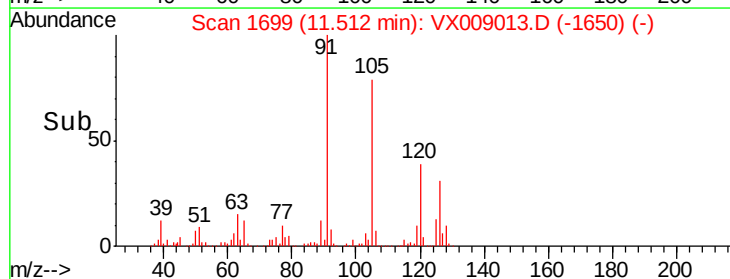
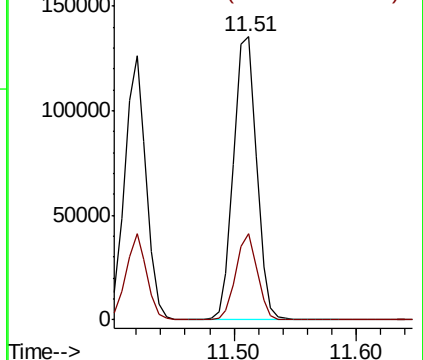
91 100

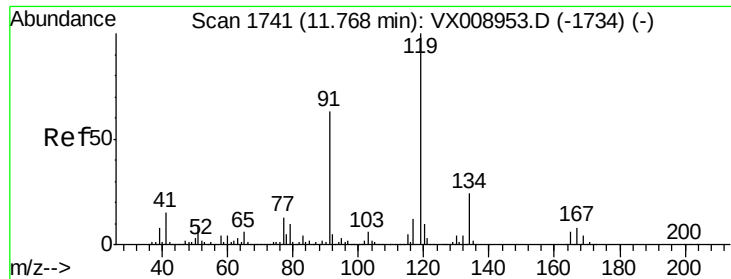
126 28.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

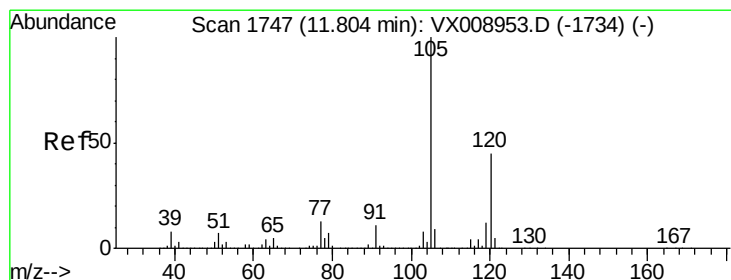
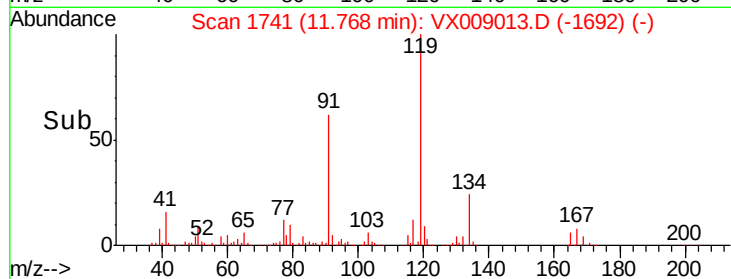
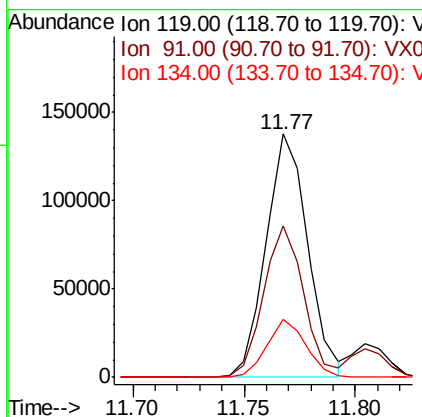
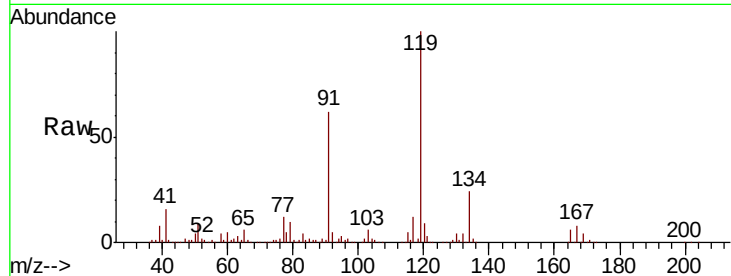




#83
 tert-Butylbenzene
 Concen: 20.498 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

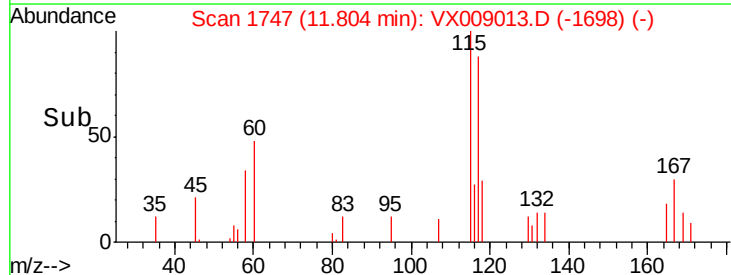
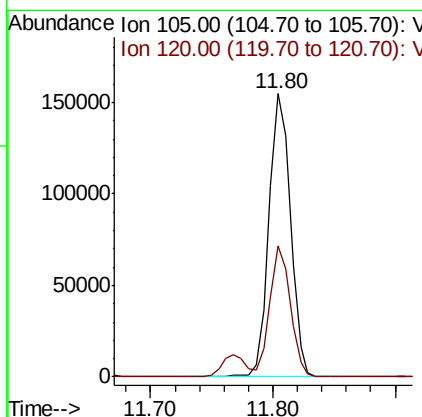
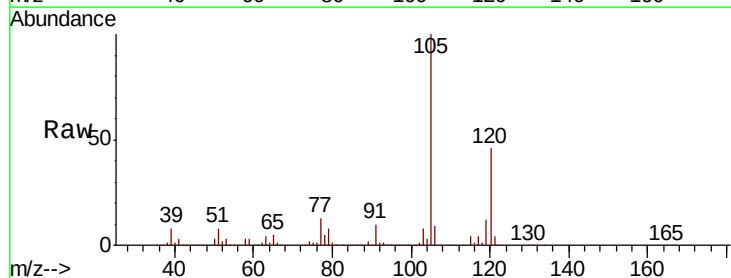
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

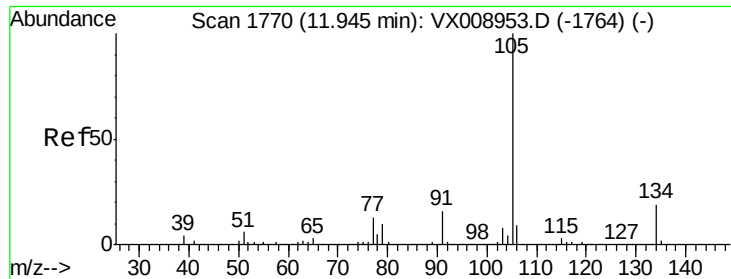
Tot Ion:119 Resp: 179248
 Ion Ratio Lower Upper
 119 100
 91 59.9 29.7 89.1
 134 22.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.471 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion:105 Resp: 189791
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.673 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

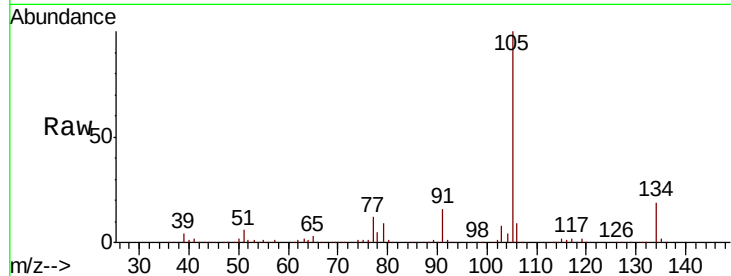
VX0417WBSD01

Tot Ion:105 Resp: 215604

Ion Ratio Lower Upper

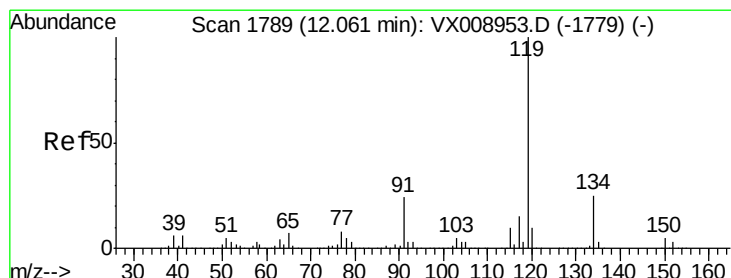
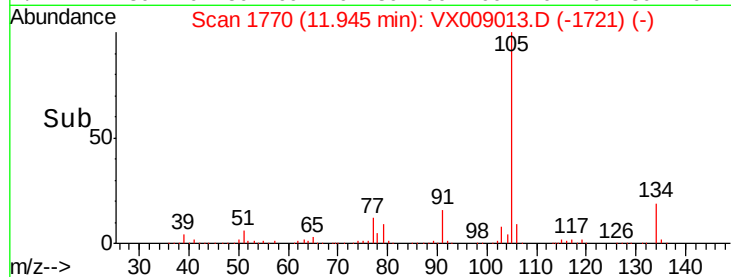
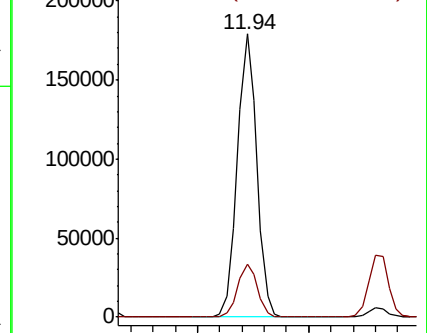
105 100

134 19.1 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: 20.184 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

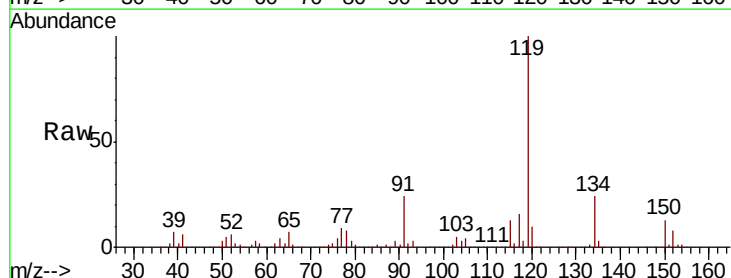
Tgt Ion:119 Resp: 193532

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

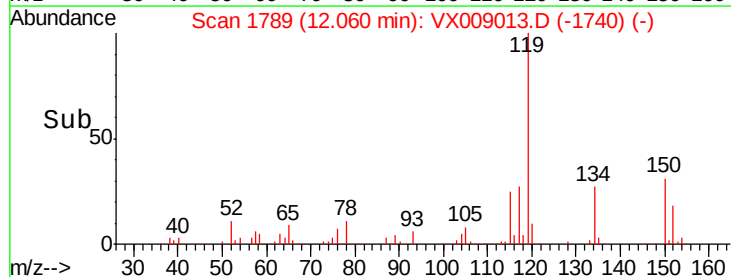
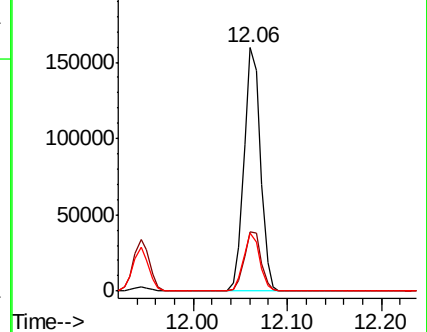
91 24.0 11.9 35.5

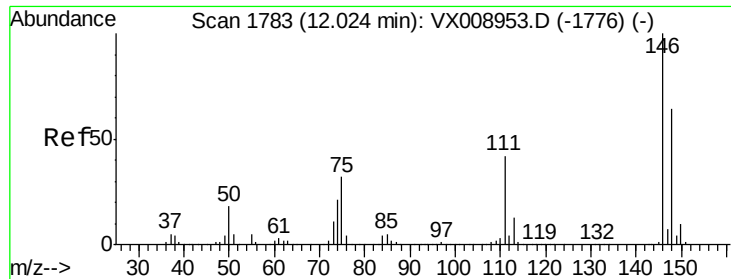


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

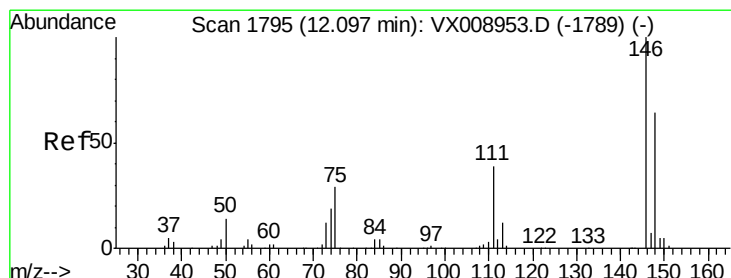
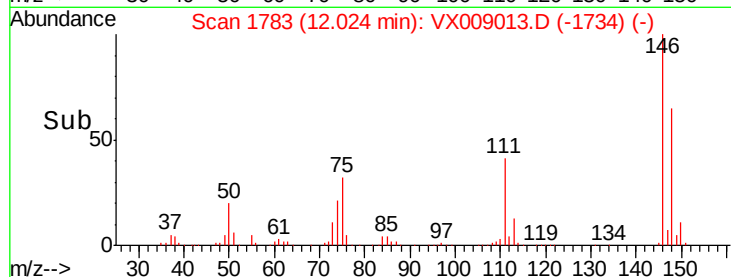
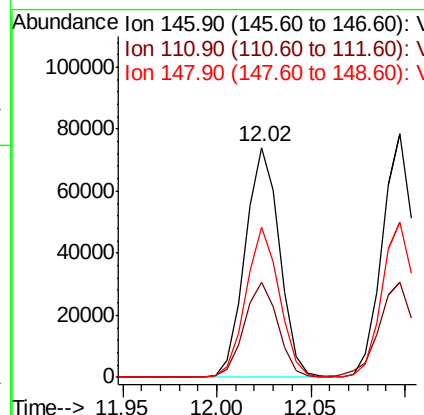
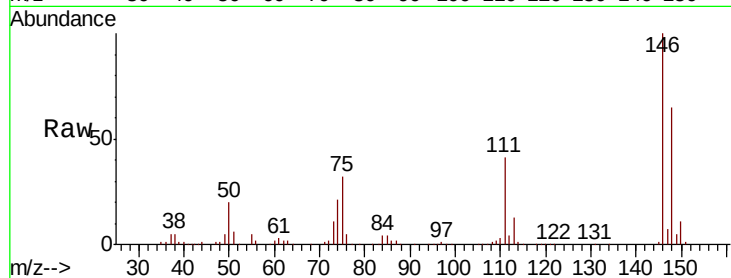




#87
 1,3-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

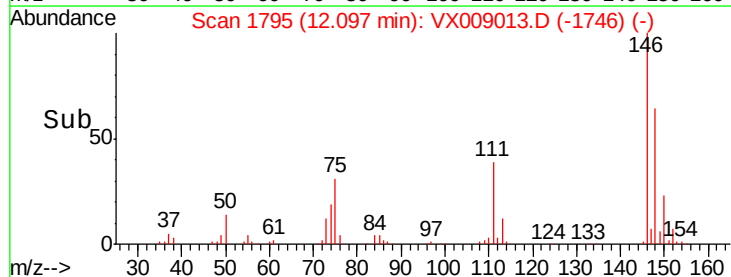
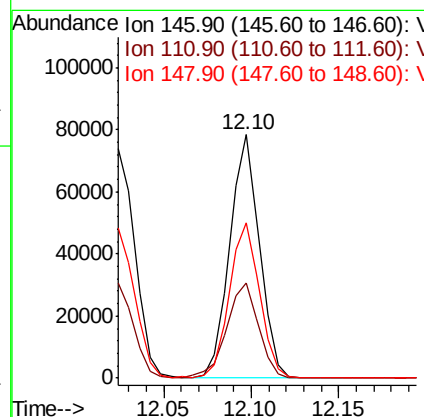
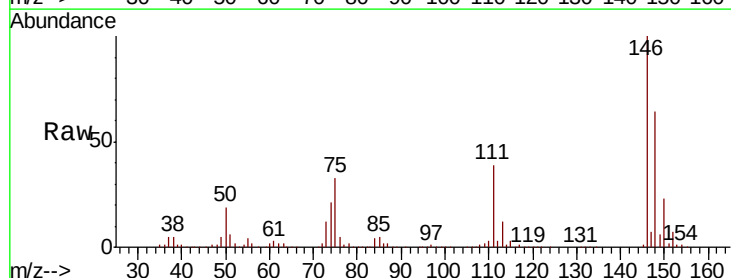
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0417WBSD01

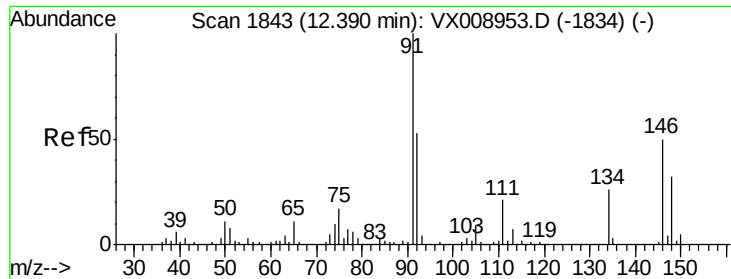
Tot Ion:146 Resp: 93478
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 63.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.098 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion:146 Resp: 92790
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 64.9 32.2 96.6





#89

n-Butylbenzene

Concen: 19.397 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009013.D

Acq: 17 Apr 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

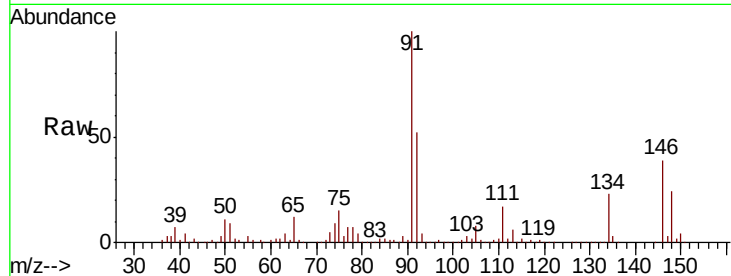
Tot Ion: 91 Resp: 173213

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

134 24.2 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX008953.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX008953.D (-1834) (-)

12.38

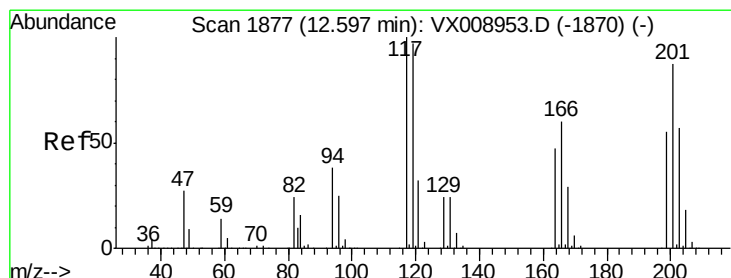
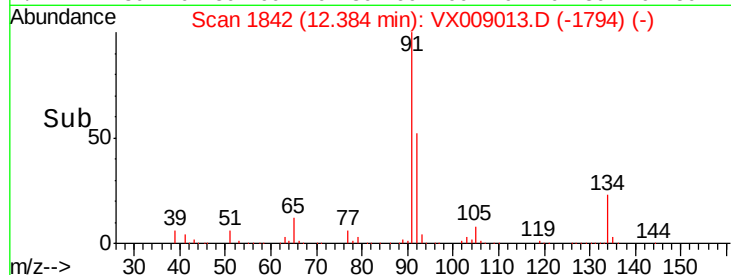
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 20.136 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009013.D

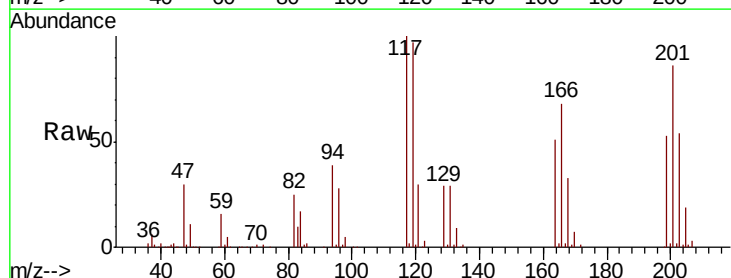
Acq: 17 Apr 2019 14:37

Tgt Ion: 117 Resp: 31848

Ion Ratio Lower Upper

117 100

201 83.7 43.0 129.0



Abundance Ion 116.80 (116.50 to 117.50): VX008953.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX008953.D (-1870) (-)

12.60

25000

20000

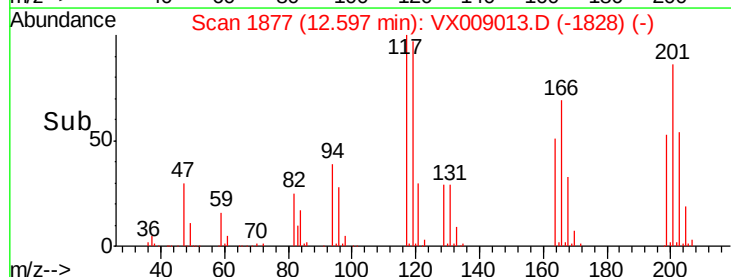
15000

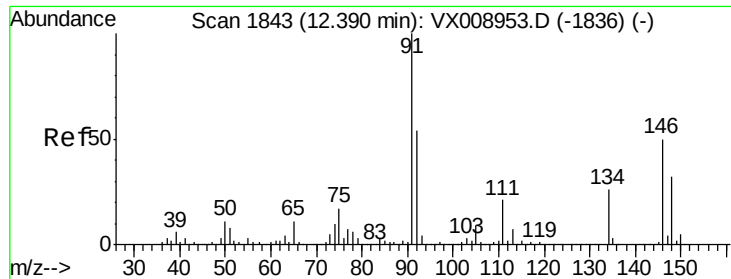
10000

5000

0

Time-->

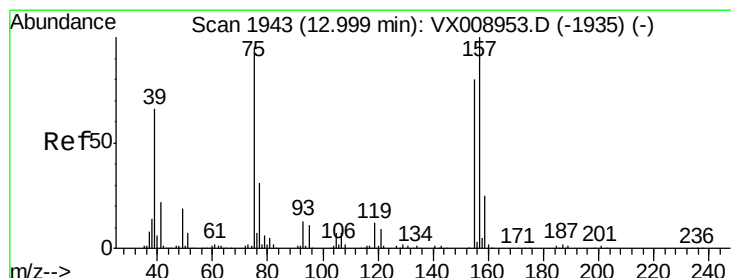
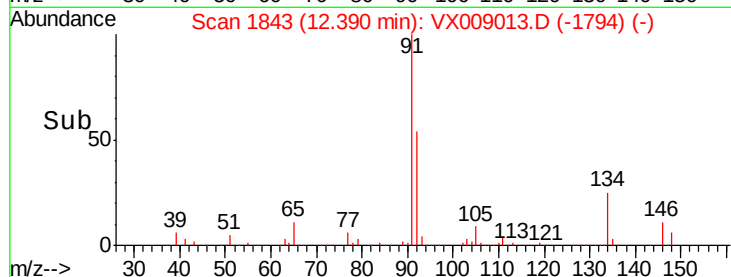
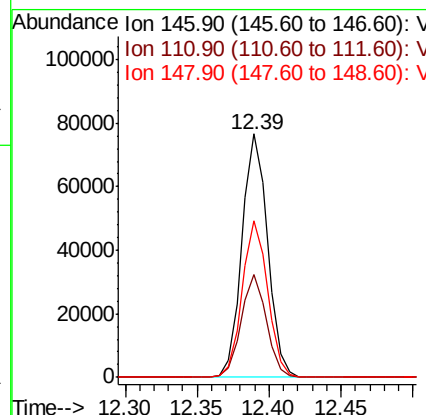
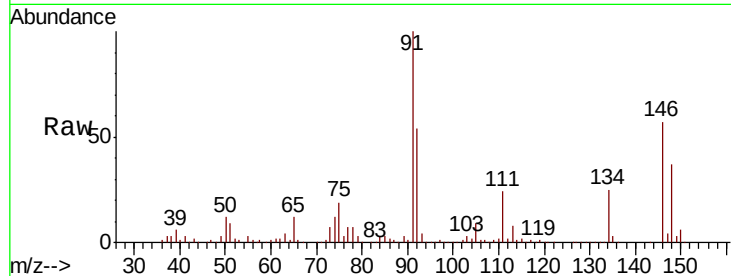




#91
 1,2-Dichlorobenzene
 Concen: 20.105 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

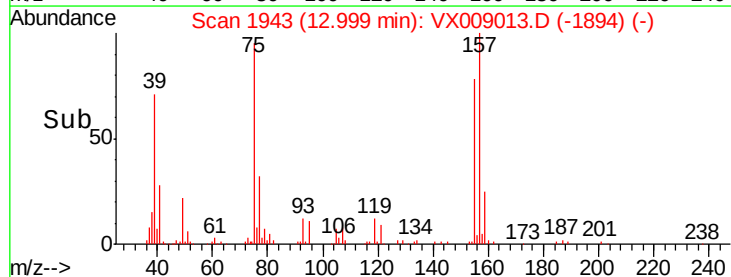
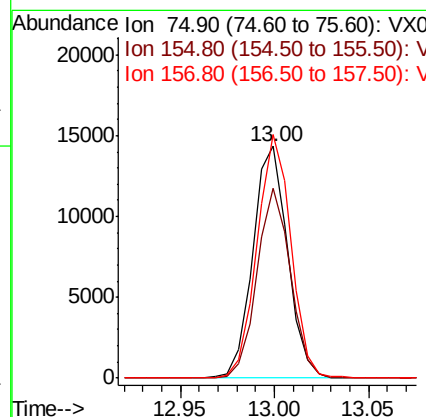
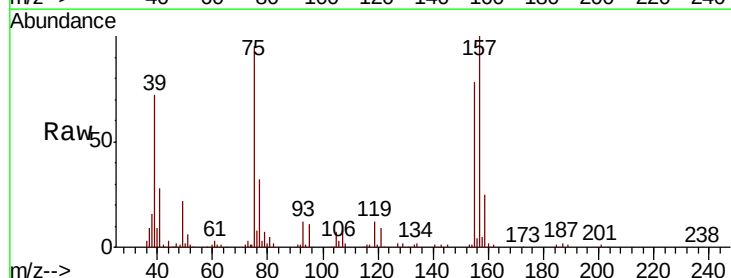
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

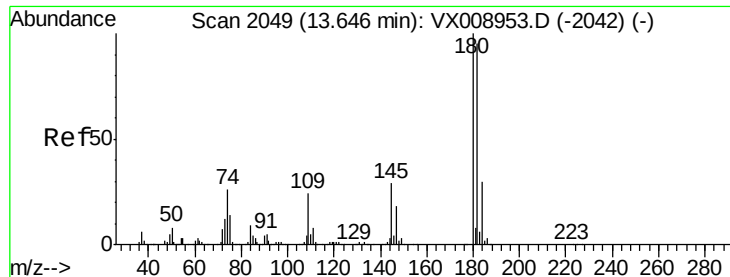
Tot Ion:146 Resp: 95158
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.9
 148 64.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.254 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion: 75 Resp: 18288
 Ion Ratio Lower Upper
 75 100
 155 78.9 41.2 123.6
 157 102.5 52.5 157.6

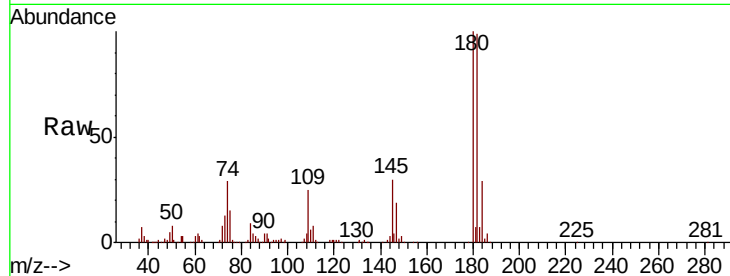




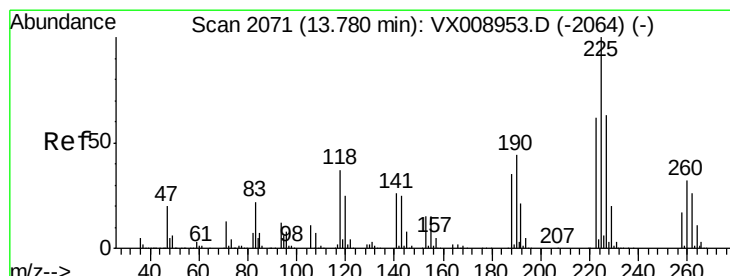
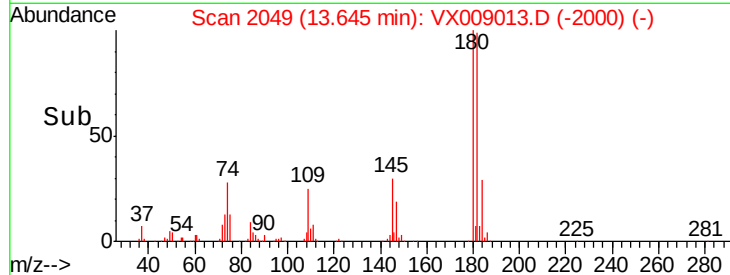
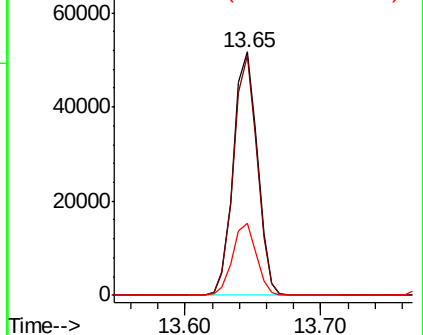
#93
 1,2,4-Trichlorobenzene
 Concen: 18.731 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Tot Ion:180 Resp: 63997
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.6 142.9
 145 29.5 14.8 44.4

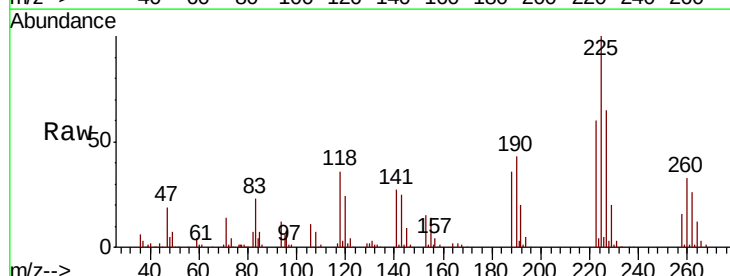


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

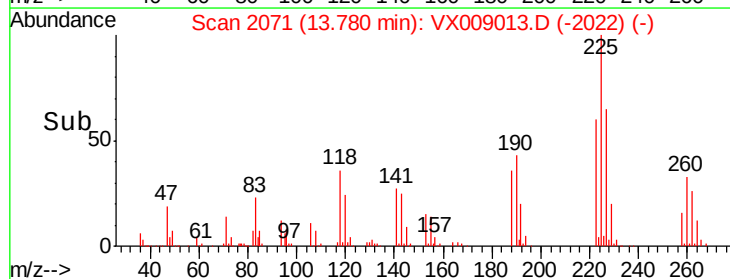
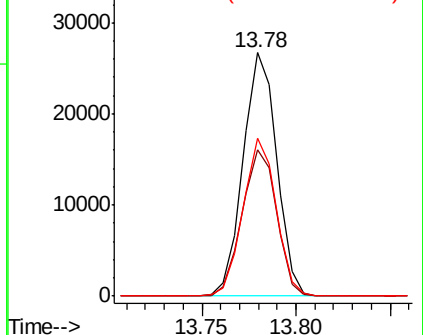


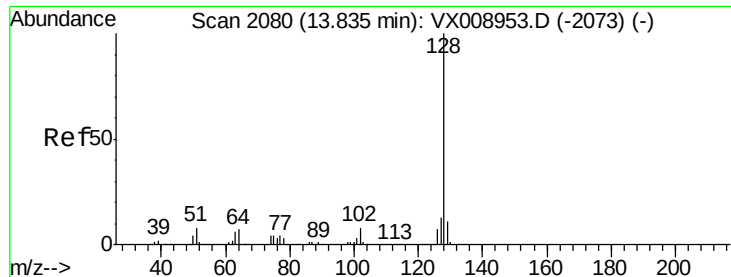
#94
 Hexachlorobutadiene
 Concen: 19.441 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009013.D
 Acq: 17 Apr 2019 14:37

Tgt Ion:225 Resp: 33127
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.1 93.2
 227 63.7 32.0 96.2



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

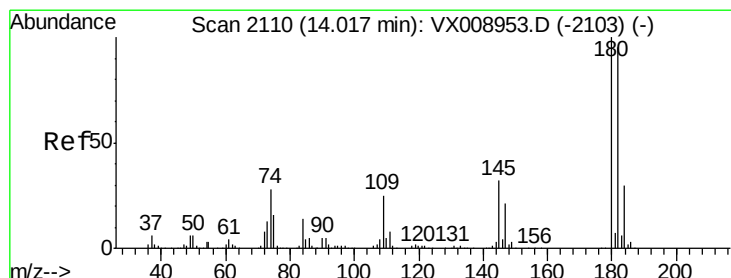
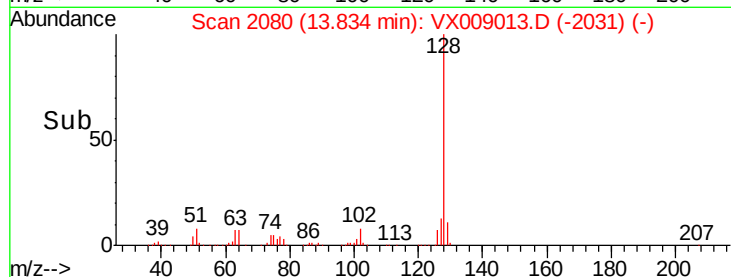
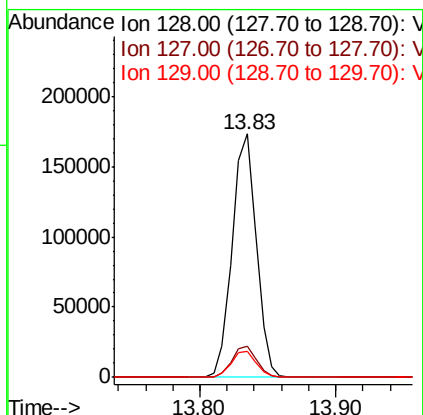
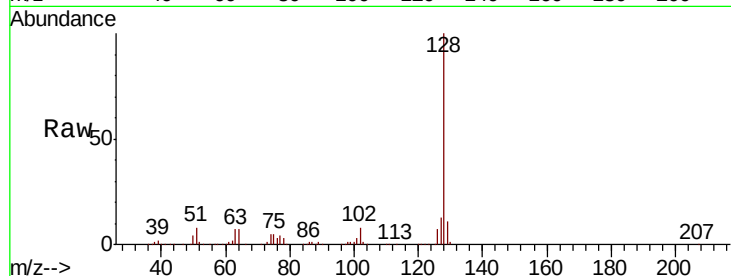




#95
Naphthalene
Concen: 19.658 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion:128 Resp: 215182
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.394 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009013.D
Acq: 17 Apr 2019 14:37

Tgt Ion:180 Resp: 65379
Ion Ratio Lower Upper
180 100
182 94.1 47.8 143.4
145 31.3 15.8 47.3

