

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013124.D
 Acq On : 18 Oct 2019 13:49
 Operator : JC/SP
 Sample : VX1018WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBL01

Quant Time: Oct 18 23:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	201548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	77104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	91379	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.48	113	72109	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	8.71	98	280622	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.13	95	94115	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

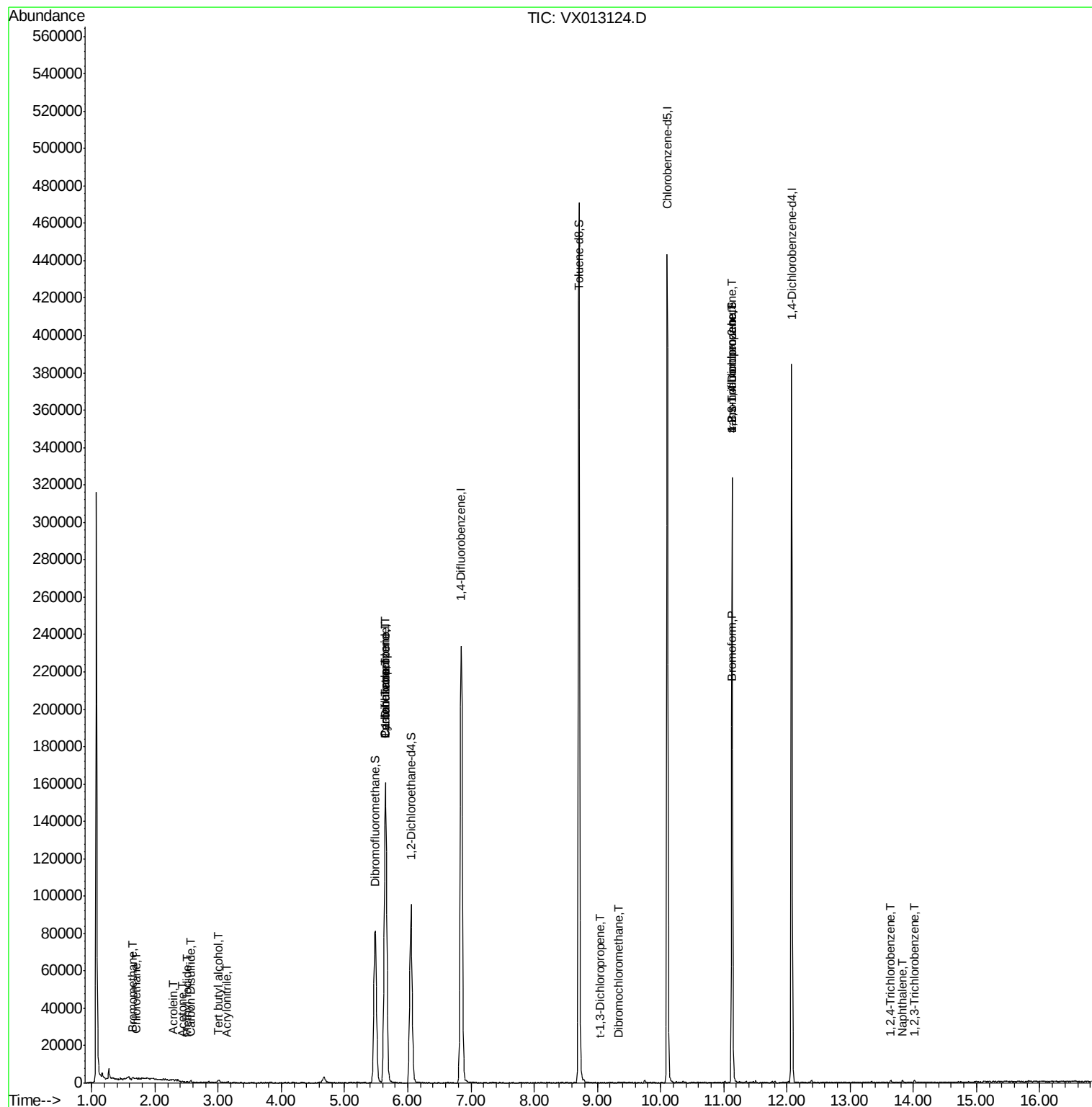
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	515	0.702	ug/l	86
6) Chloroethane	1.72	64	225	0.575	ug/l #	43
10) Methyl Iodide	2.50	142	393	5.284	ug/l #	86
11) Tert butyl alcohol	3.00	59	1033	2.022	ug/l #	72
13) Acrolein	2.28	56	279	0.769	ug/l #	14
15) Acrylonitrile	3.12	53	213	0.220	ug/l #	69
16) Acetone	2.43	43	253	0.249	ug/l	96
17) Carbon Disulfide	2.56	76	1439	0.324	ug/l	97
28) Bromochloromethane	5.26	49	20	Below Cal	#	13
31) Cyclohexane	5.64	56	3177	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12023	5.662	ug/l #	50
38) Carbon Tetrachloride	5.64	117	15299	7.402	ug/l #	19
53) t-1,3-Dichloropropene	9.05	75	68	2.194	ug/l #	42
60) Dibromochloromethane	9.34	129	64	1.892	ug/l #	10
71) Bromoform	11.12	173	50	3.172	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	46562	27.227	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	46562	68.378	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	409	0.268	ug/l #	83
95) Naphthalene	13.83	128	1351	0.256	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.01	180	450	0.286	ug/l	85

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

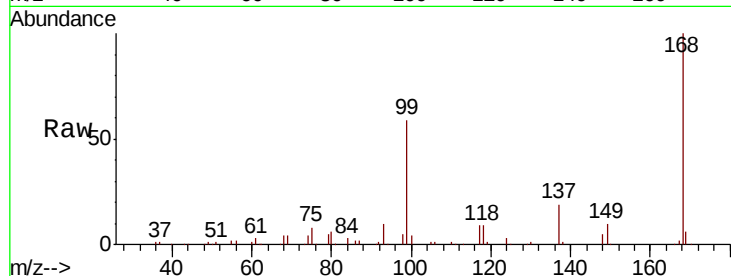
VX1018WBL01

Tot Ion:168 Resp: 154179

Ion Ratio Lower Upper

168 100

99 59.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

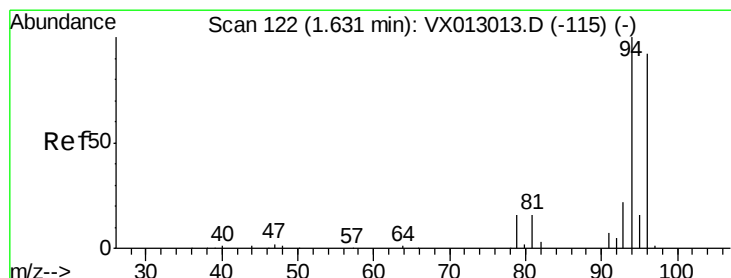
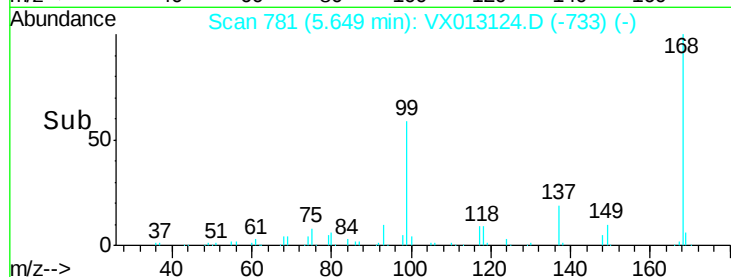
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.702 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013124.D

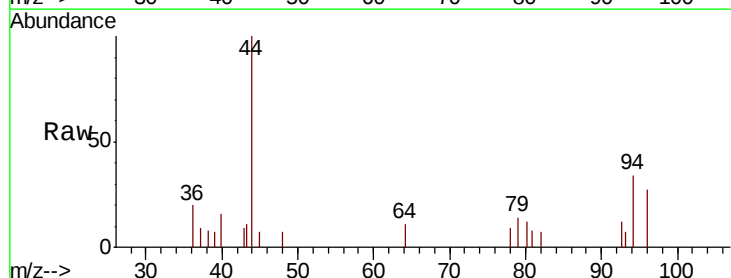
Acq: 18 Oct 2019 13:49

Tgt Ion: 94 Resp: 515

Ion Ratio Lower Upper

94 100

96 79.6 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

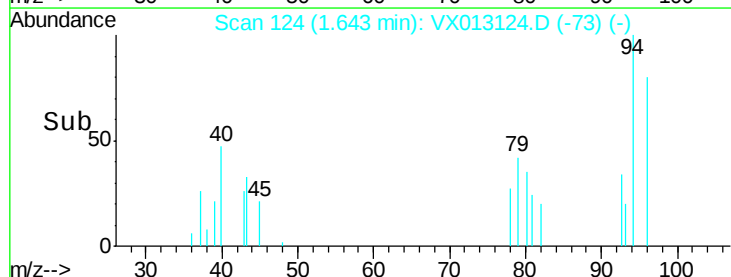
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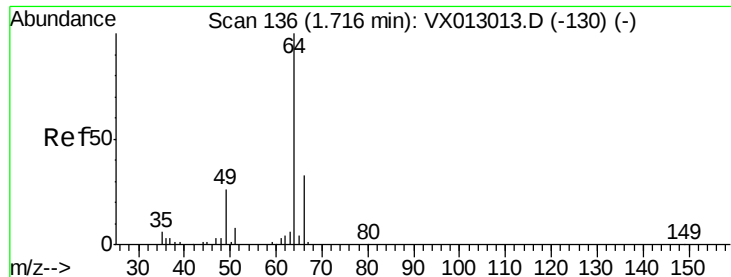
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.575 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

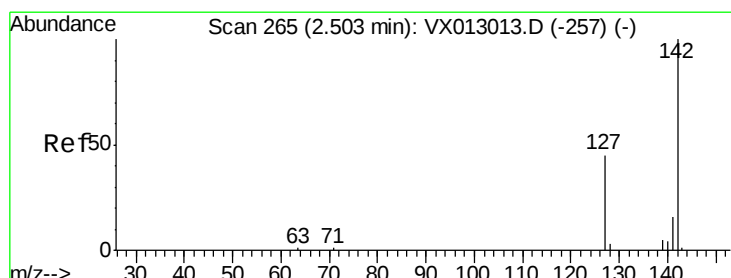
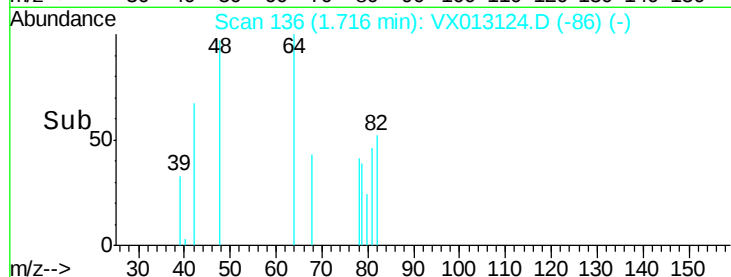
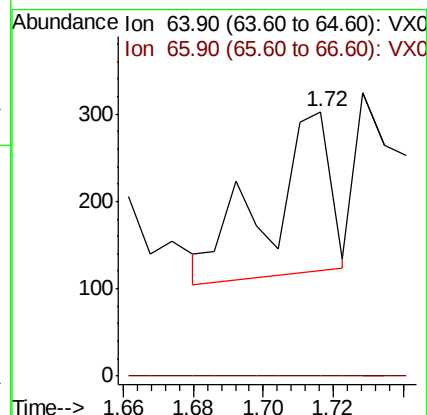
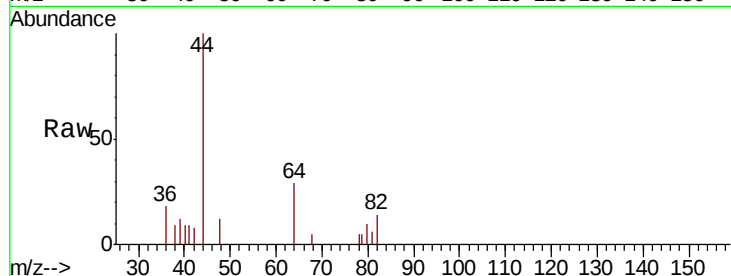
VX1018WBL01

Tot Ion: 64 Resp: 225

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.284 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

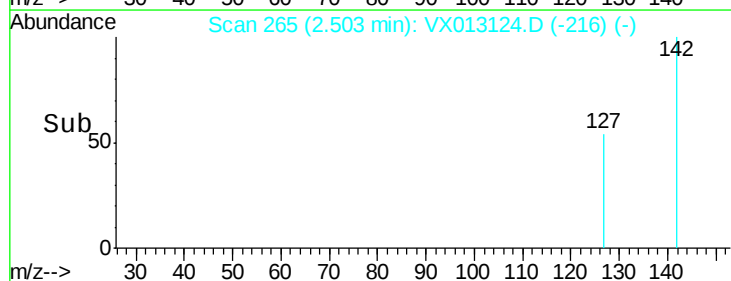
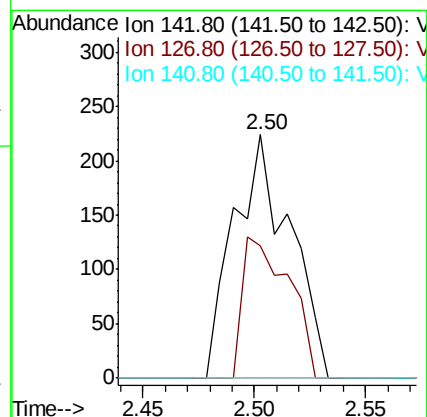
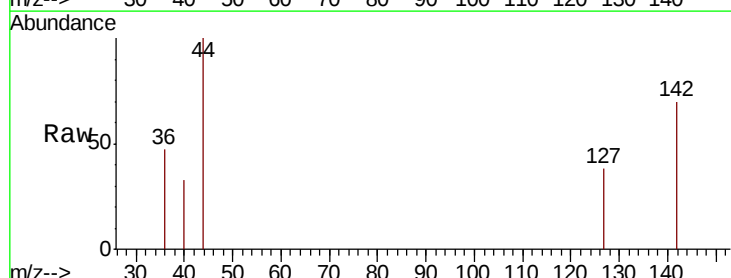
Tgt Ion: 142 Resp: 393

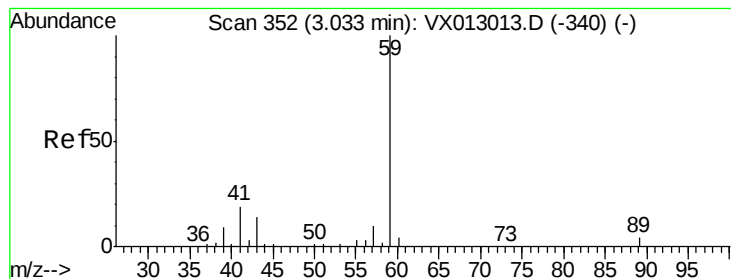
Ion Ratio Lower Upper

142 100

127 47.8 34.9 52.3

141 0.0 11.6 17.4#



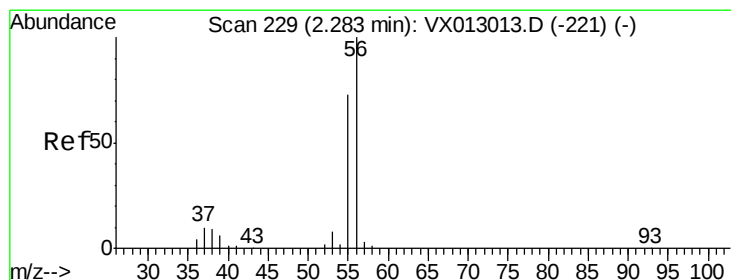
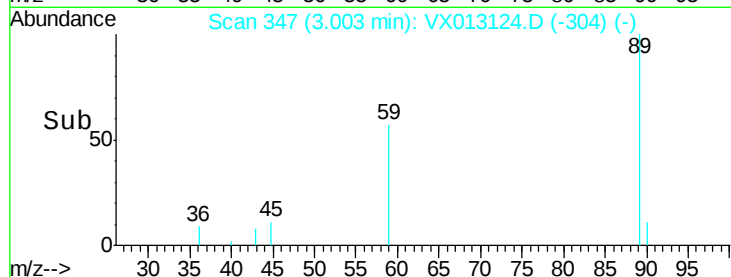
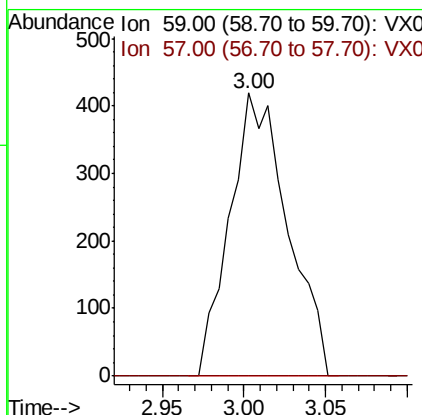
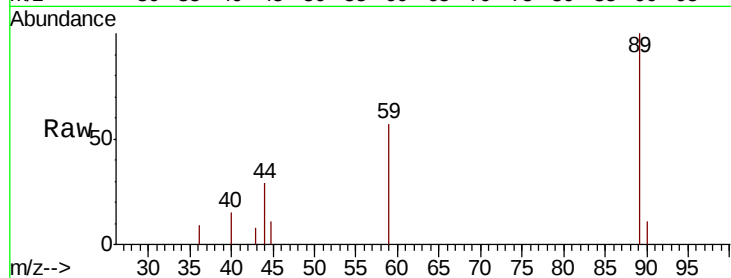


#11

Tert butyl alcohol
 Concen: 2.022 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBL01

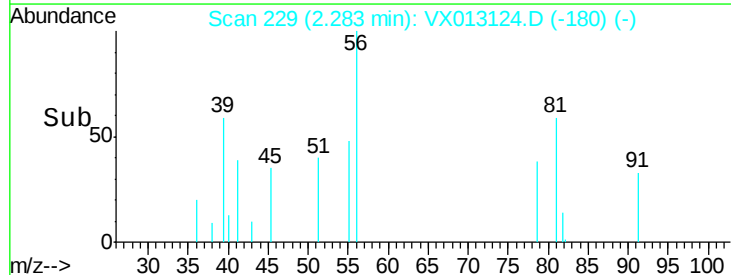
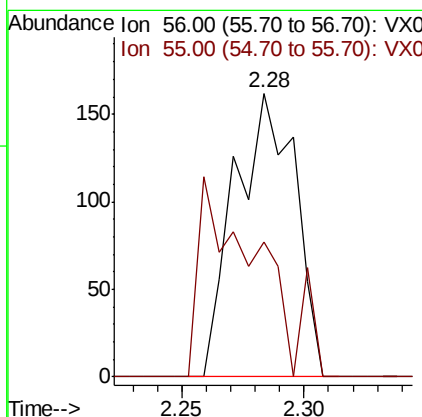
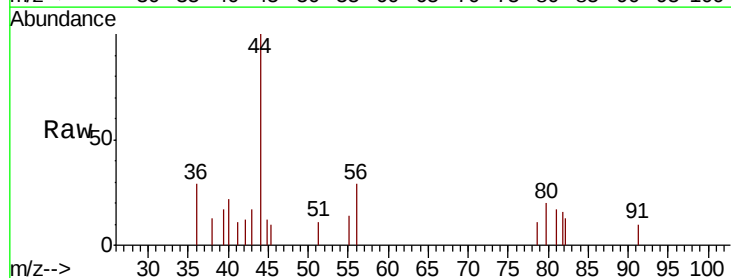
Tot Ion: 59 Resp: 1033
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

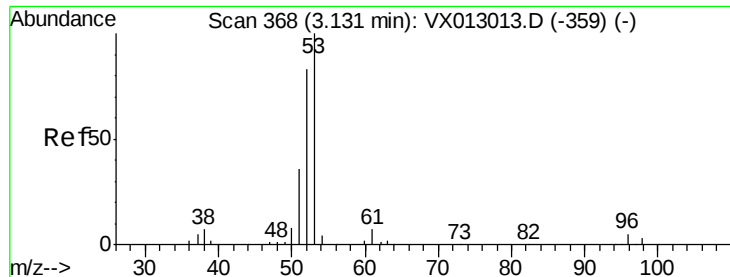


#13

Acrolein
 Concen: 0.769 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

Tgt Ion: 56 Resp: 279
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.6 85.0#





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

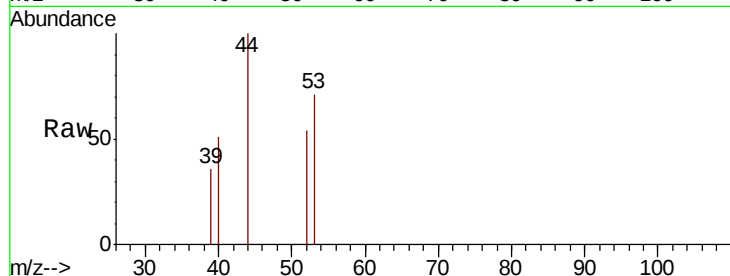
MSVOA_X

ClientSampleId :

VX1018WBL01

Tot Ion: 53 Resp: 213

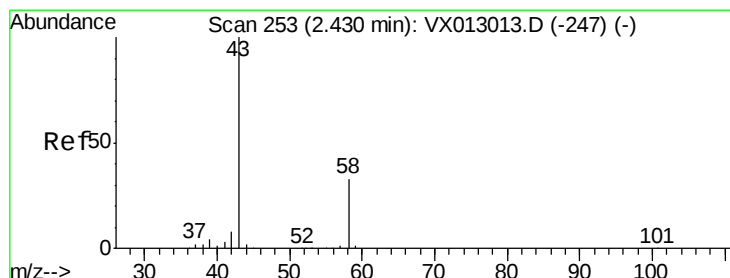
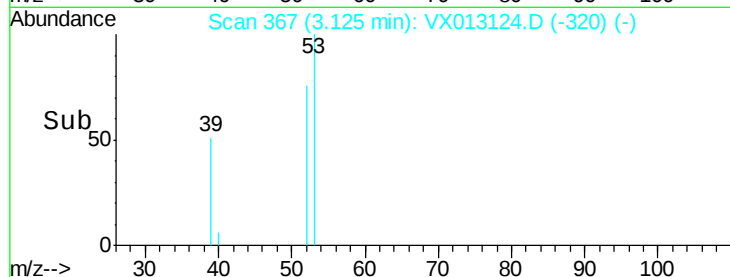
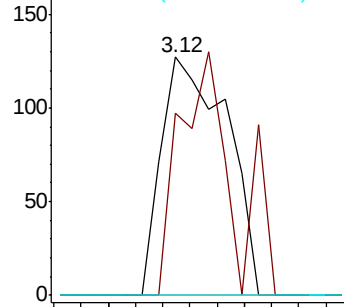
Ion	Ratio	Lower	Upper
53	100		
52	66.7	66.2	99.2
51	0.0	28.2	42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.249 ug/l

RT: 2.43 min Scan# 253

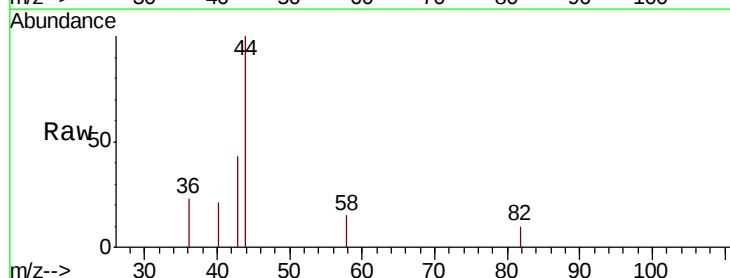
Delta R.T. -0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

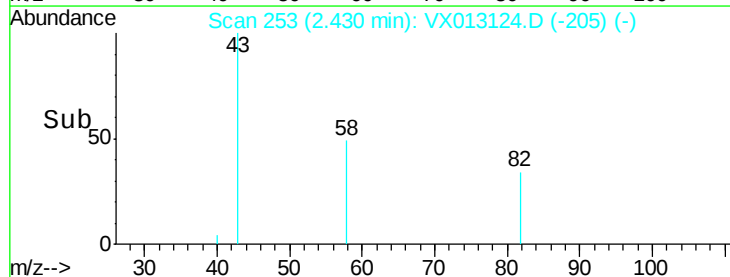
Tgt Ion: 43 Resp: 253

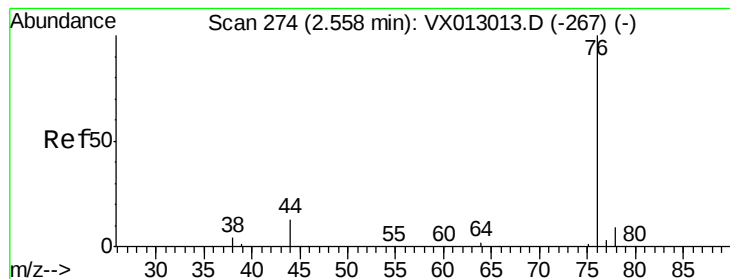
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

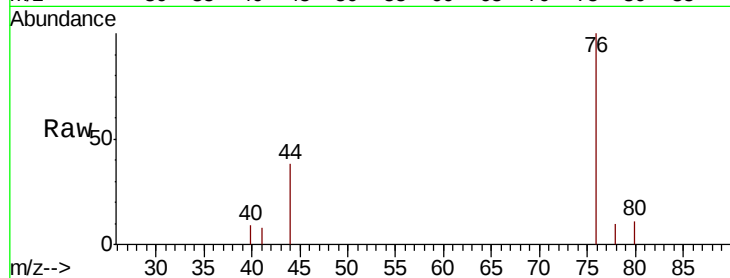
VX1018WBL01

Tot Ion: 76 Resp: 1439

Ion Ratio Lower Upper

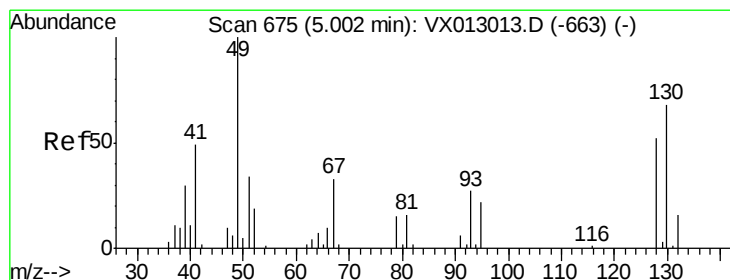
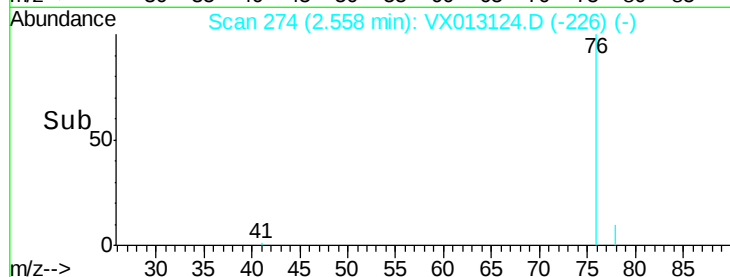
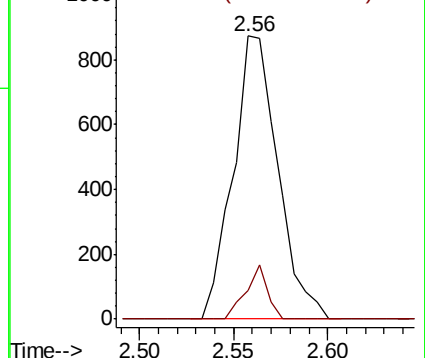
76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.26 min Scan# 717

Delta R.T. 0.25 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

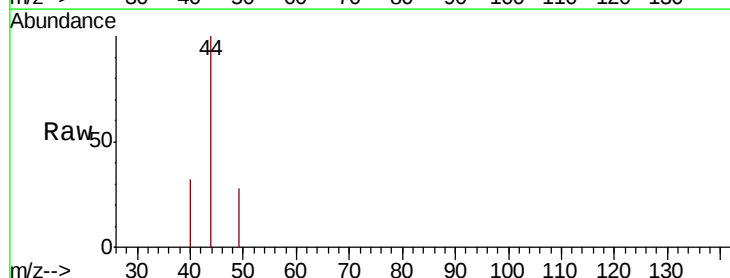
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

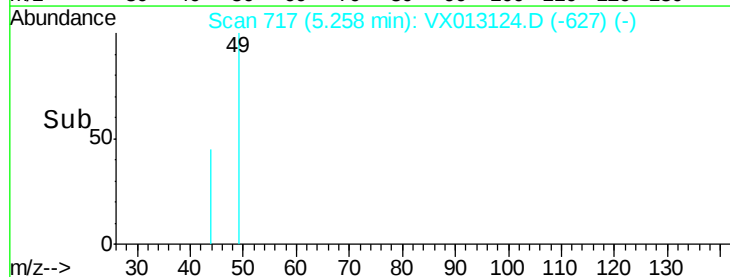
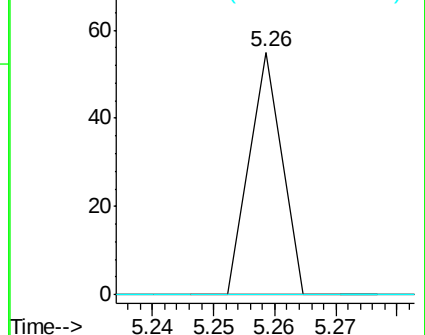
130 0.0 62.1 93.1#

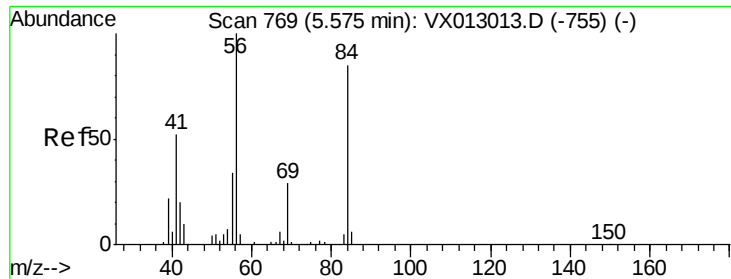


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

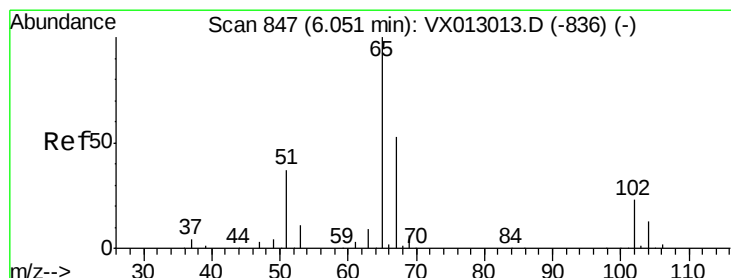
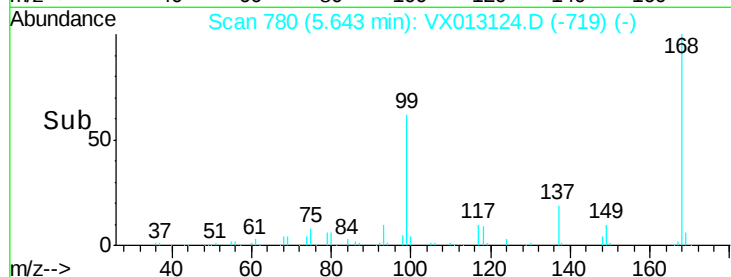
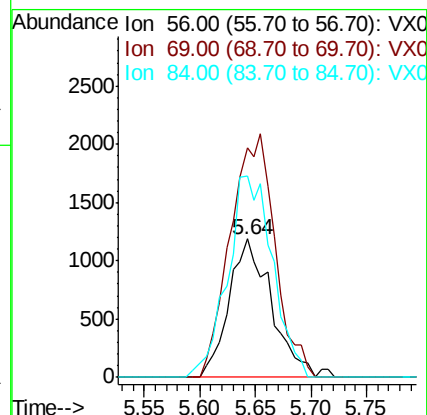
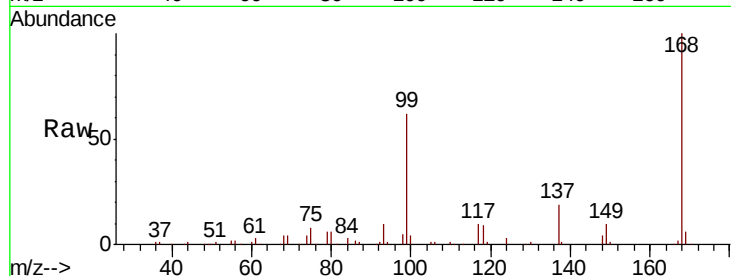




#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

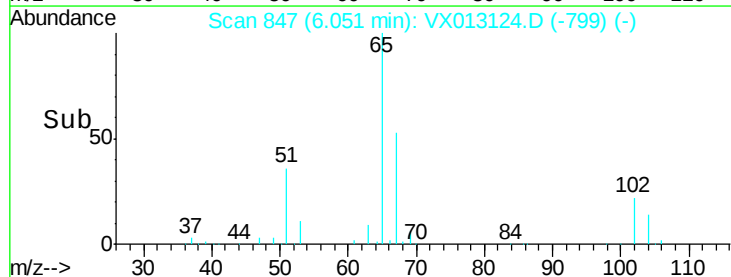
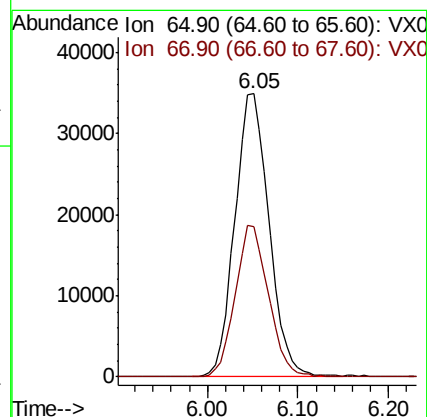
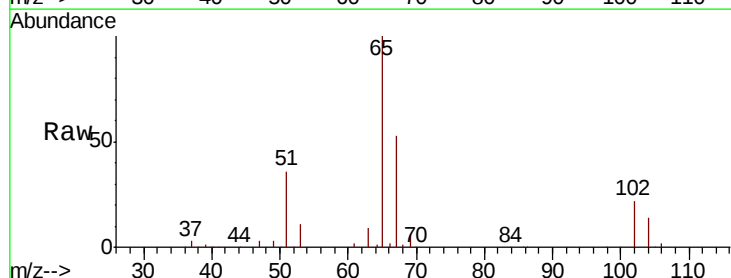
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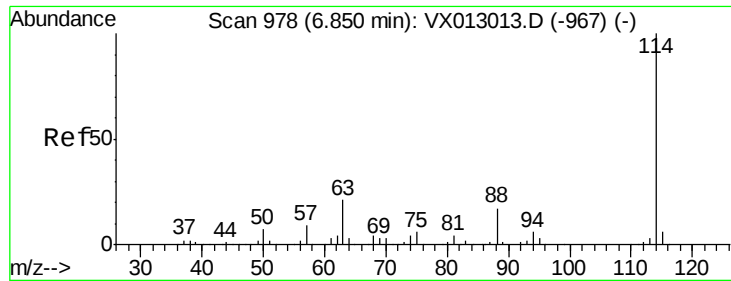
Tot Ion: 56 Resp: 3177
Ion Ratio Lower Upper
56 100
69 166.0 25.2 37.8#
84 145.4 71.3 106.9#



#33
1,2-Dichloroethane-d4
Concen: 47.419 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Tgt Ion: 65 Resp: 91379
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

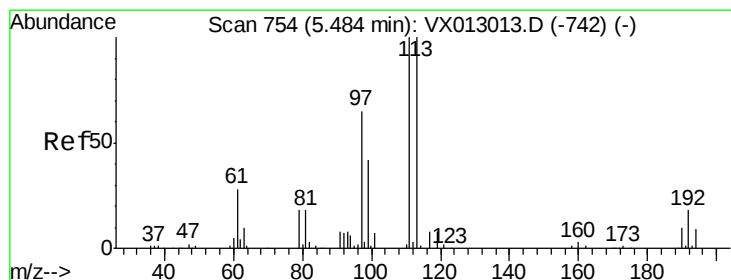
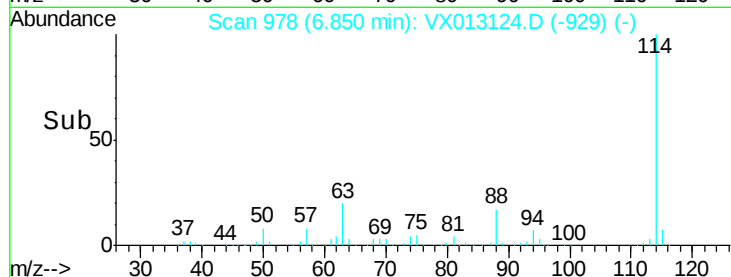
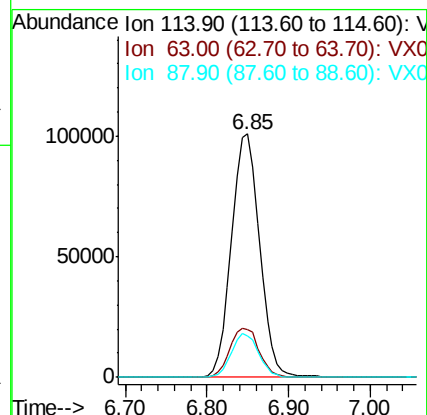
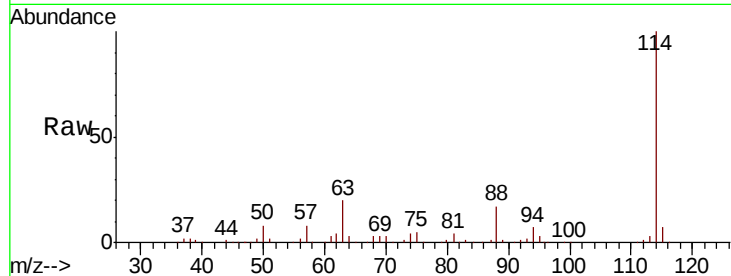




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

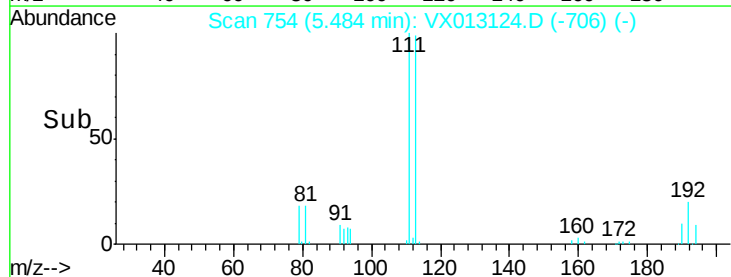
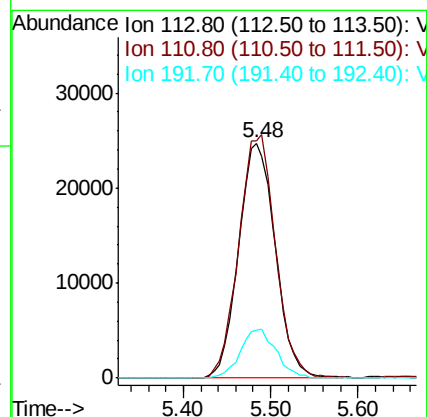
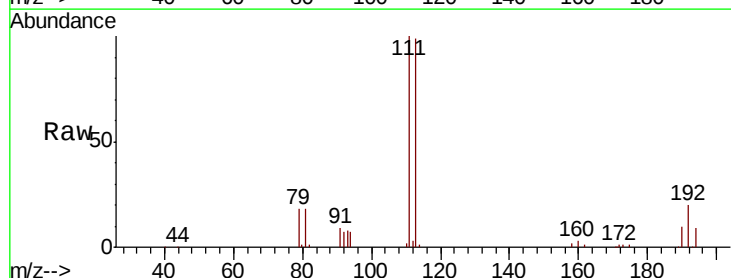
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBL01

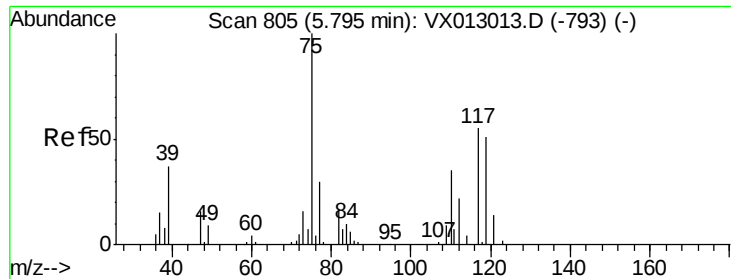
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	17.1	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 52.021 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	20.2	15.4	23.2

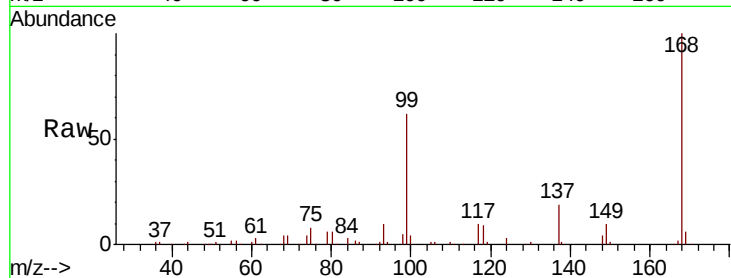




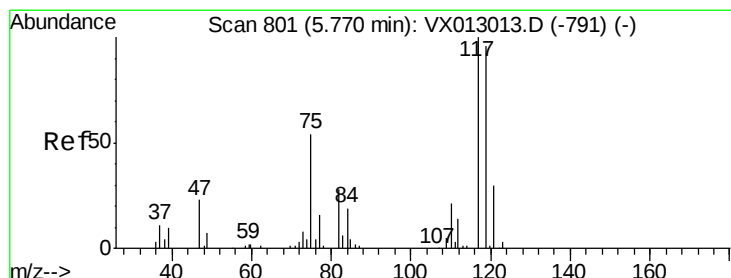
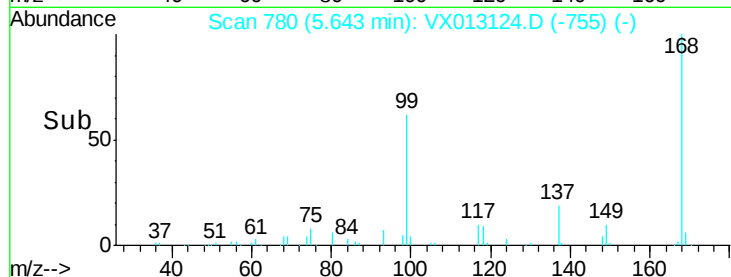
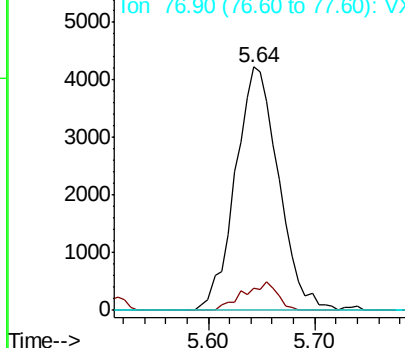
#36
 1,1-Dichloropropene
 Concen: 5.662 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBL01

Tot Ion: 75 Resp: 12023
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.6 52.9#
 77 0.0 24.4 36.6#

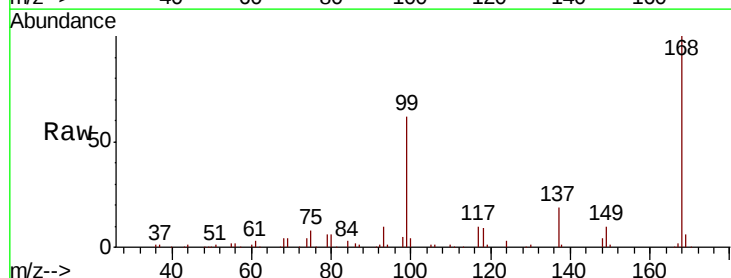


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

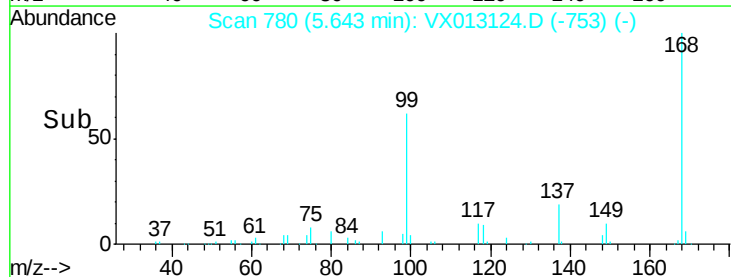
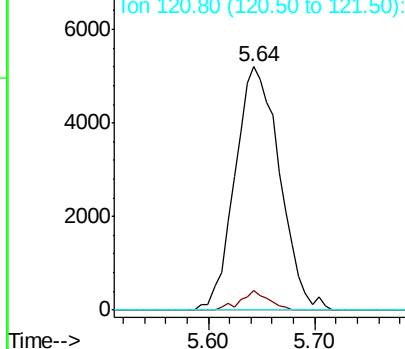


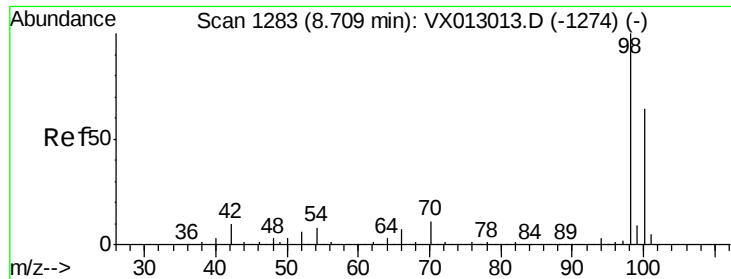
#38
 Carbon Tetrachloride
 Concen: 7.402 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013124.D
 Acq: 18 Oct 2019 13:49

Tgt Ion: 117 Resp: 15299
 Ion Ratio Lower Upper
 117 100
 119 7.9 74.5 111.7#
 121 0.0 24.2 36.4#



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

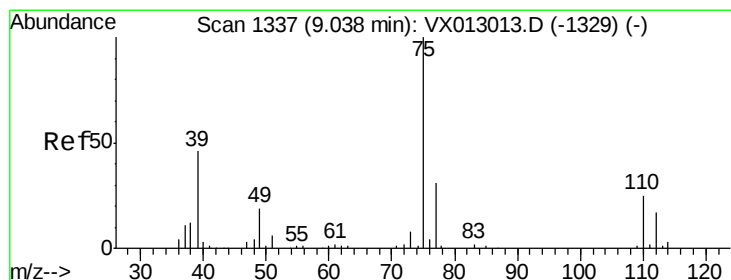
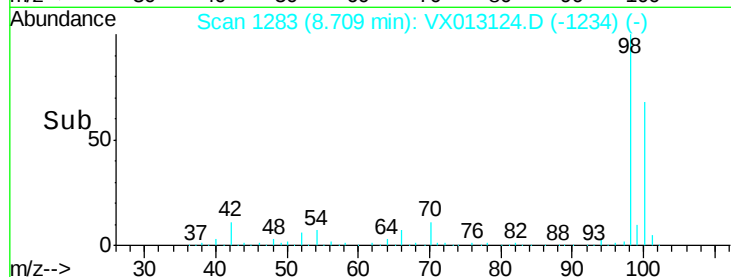
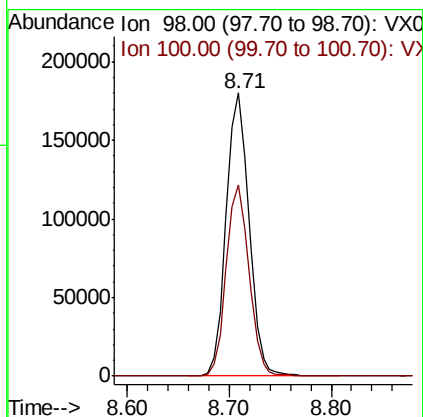
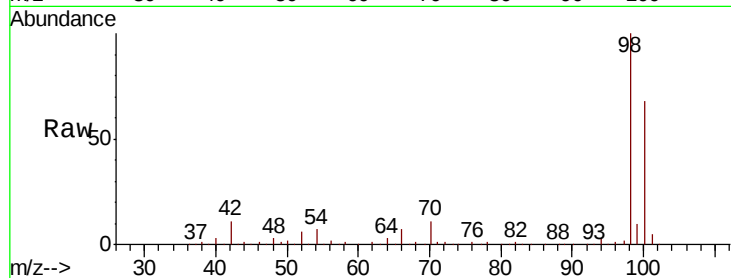




#50
Toluene-d8
Concen: 51.907 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

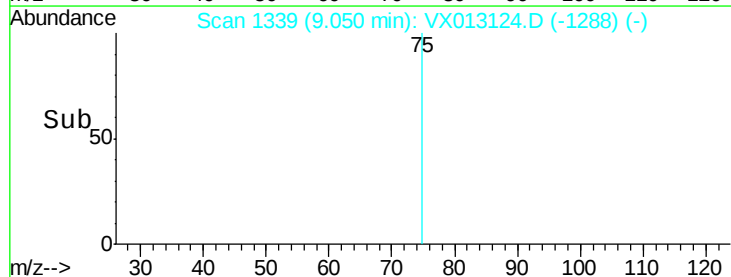
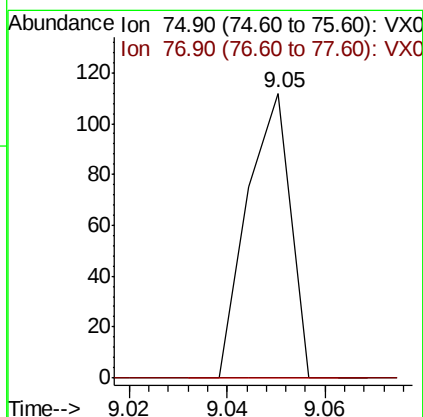
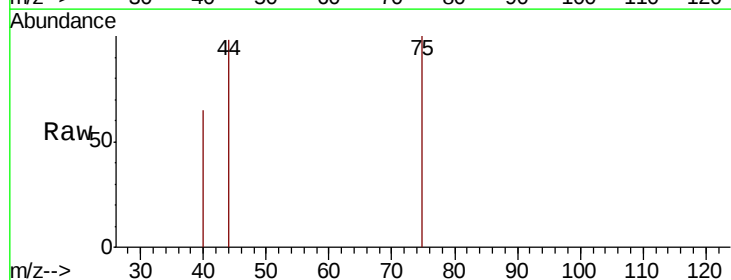
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBL01

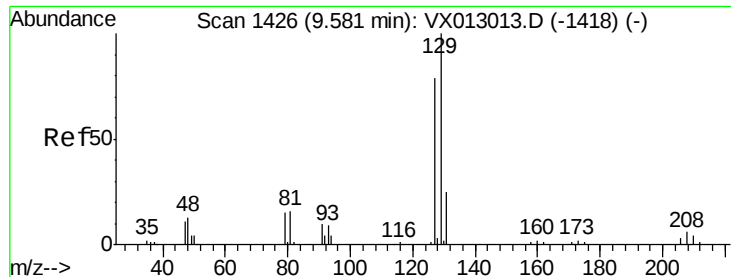
Tot Ion: 98 Resp: 280622
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#53
t-1,3-Dichloropropene
Concen: 2.194 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#





#60

Dibromochloromethane

Concen: 1.892 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

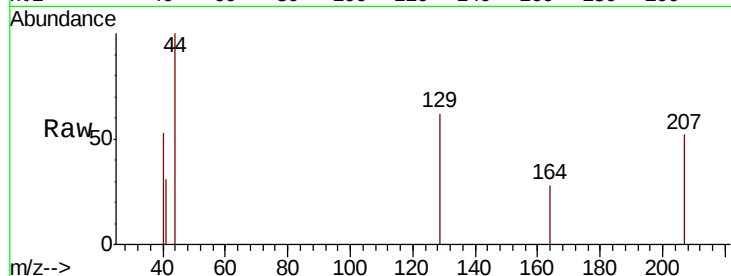
VX1018WBL01

Tot Ion:129 Resp: 64

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

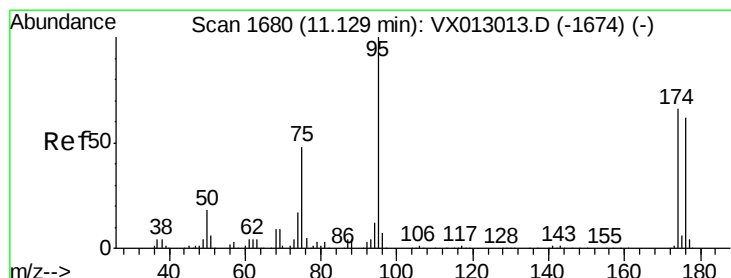
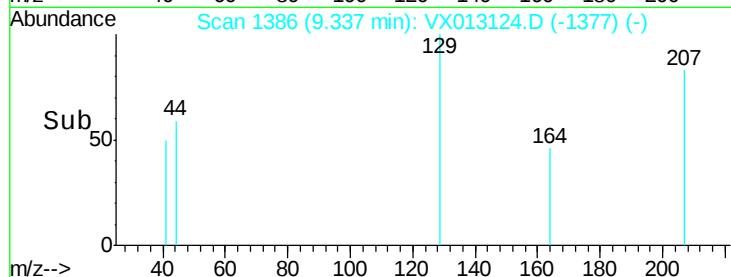
100

50

0

9.32 9.34 9.36

Time-->



#62

4-Bromofluorobenzene

Concen: 44.803 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

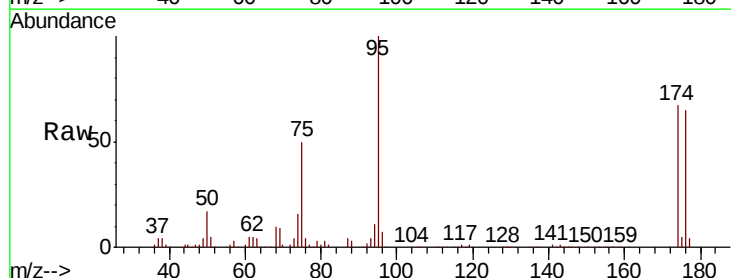
Tgt Ion: 95 Resp: 94115

Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.4

176 71.6 0.0 136.0



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

100000

80000

60000

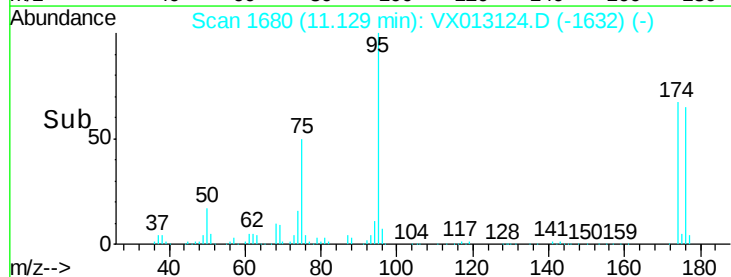
40000

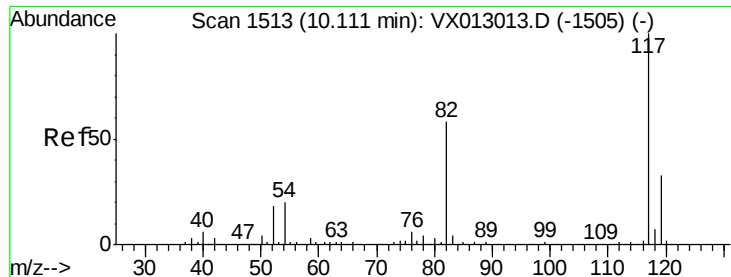
20000

0

11.10 11.13 11.20

Time-->

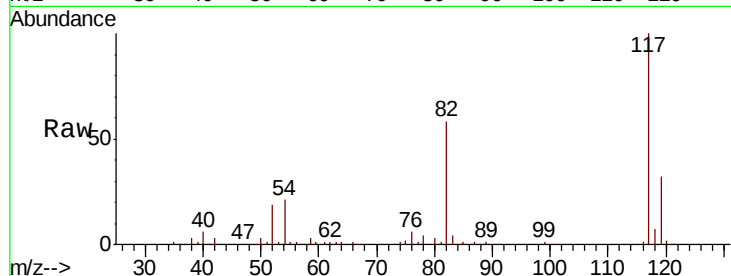




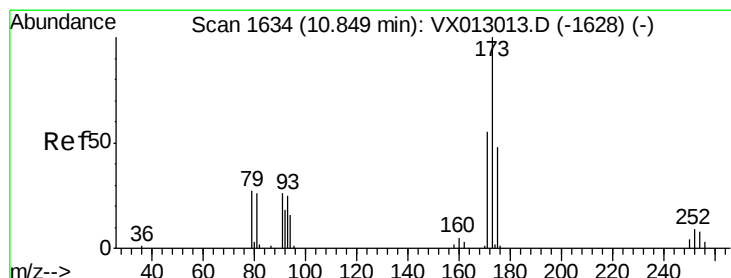
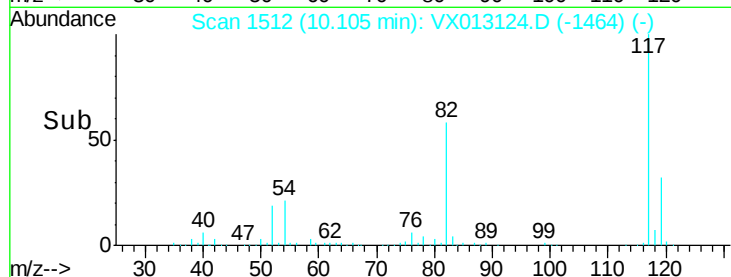
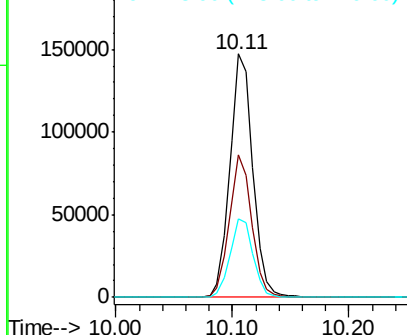
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBL01

Tot Ion:117 Resp: 201548
Ion Ratio Lower Upper
117 100
82 58.5 44.1 66.1
119 32.4 25.8 38.8

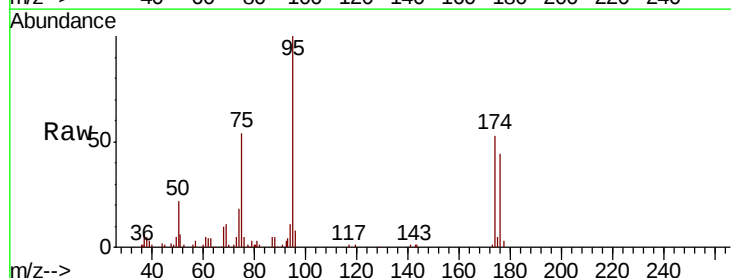


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

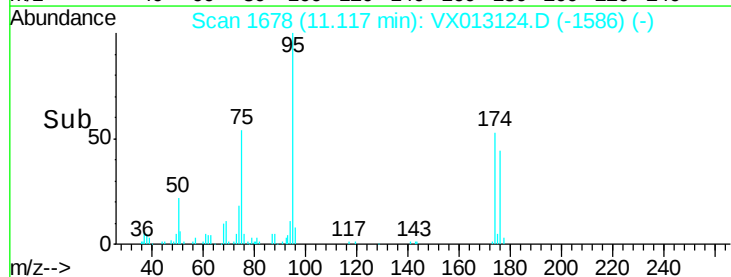
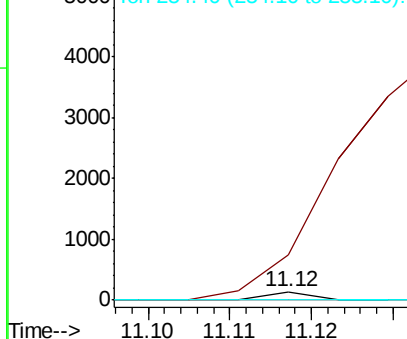


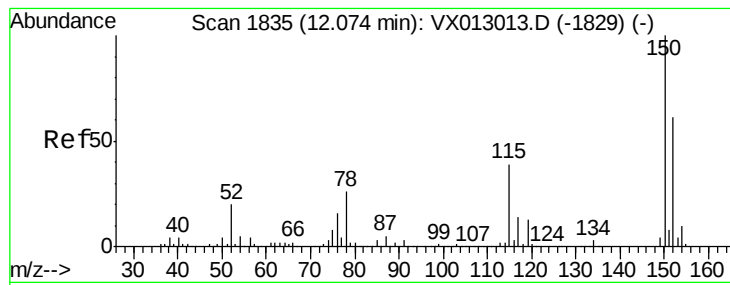
#71
Bromoform
Concen: 3.172 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Tgt Ion:173 Resp: 50
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampled :

VX1018WBL01

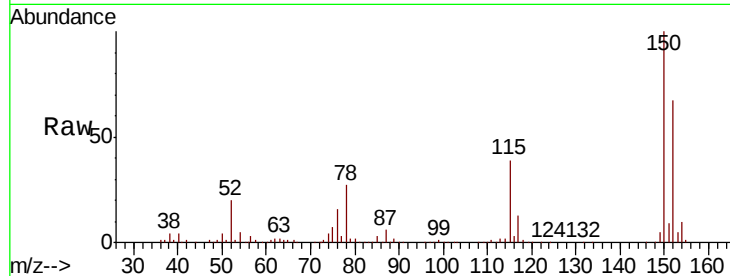
Tot Ion:152 Resp: 77104

Ion Ratio Lower Upper

152 100

115 60.8 44.5 133.5

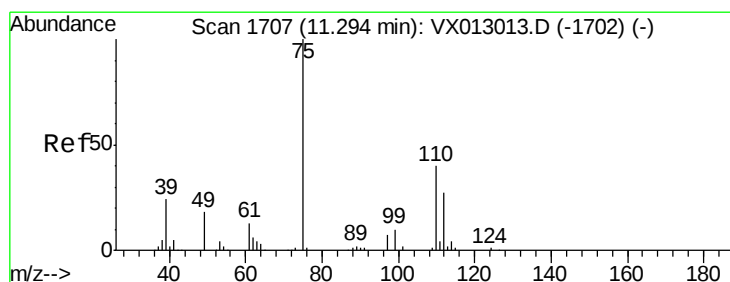
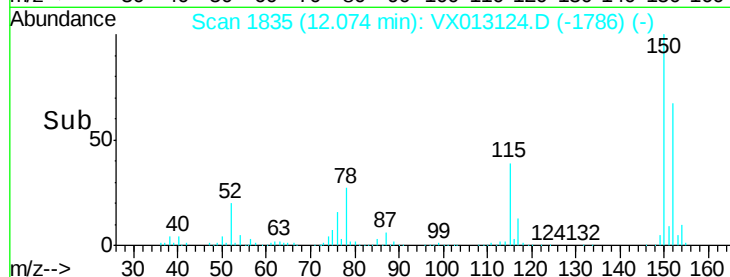
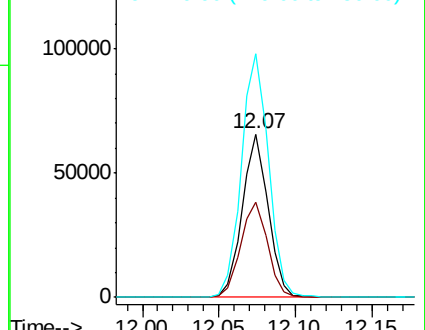
150 156.4 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 27.227 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013124.D

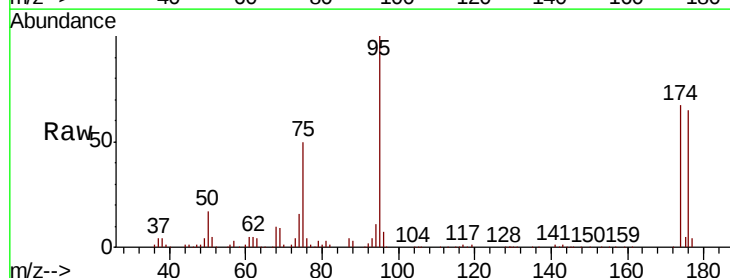
Acq: 18 Oct 2019 13:49

Tgt Ion: 75 Resp: 46562

Ion Ratio Lower Upper

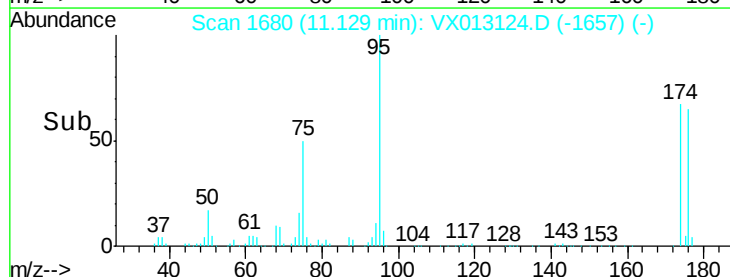
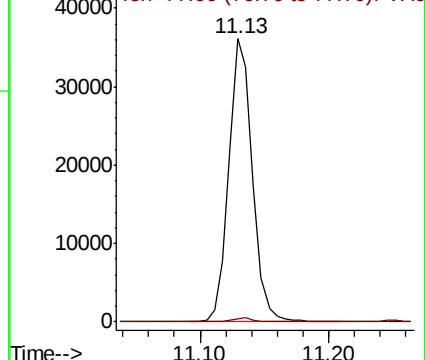
75 100

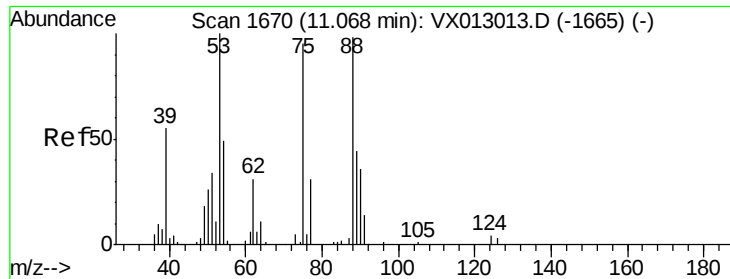
77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.378 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBL01

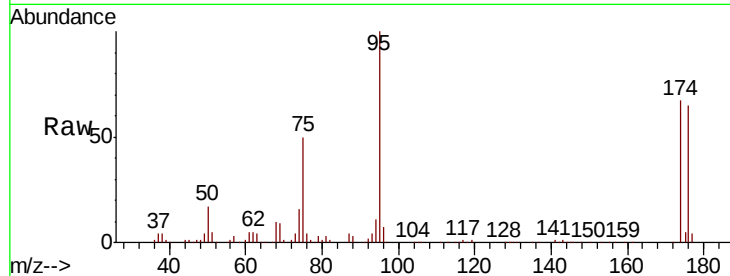
Tot Ion: 75 Resp: 46562

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

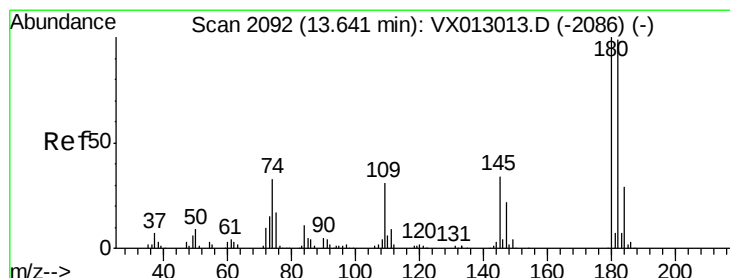
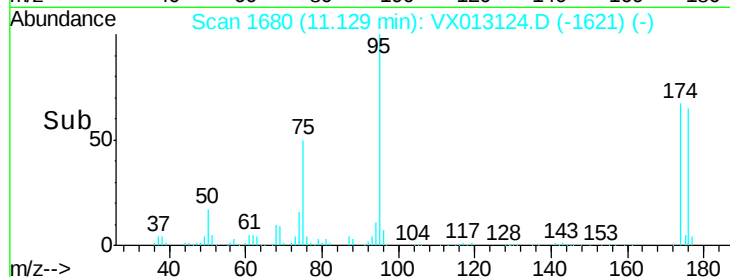
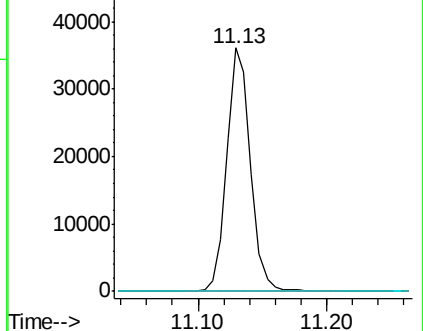
89 0.1 37.4 56.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX013124.D

Acq: 18 Oct 2019 13:49

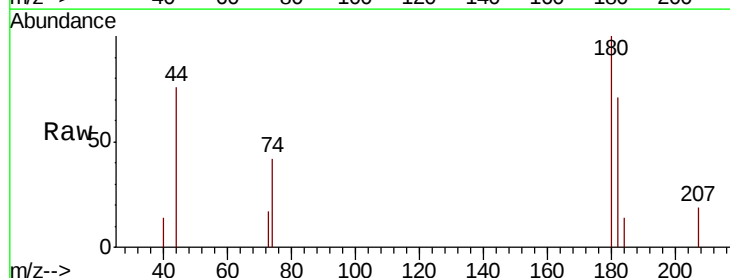
Tgt Ion: 180 Resp: 409

Ion Ratio Lower Upper

180 100

182 96.1 46.8 140.4

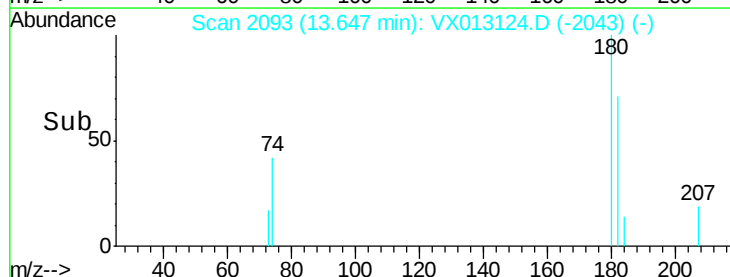
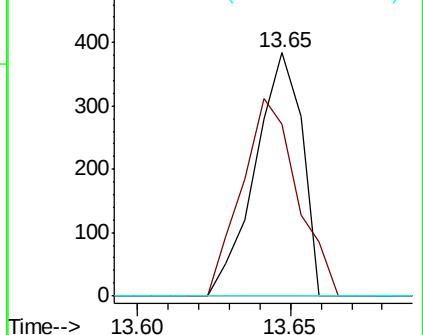
145 0.0 16.2 48.6#

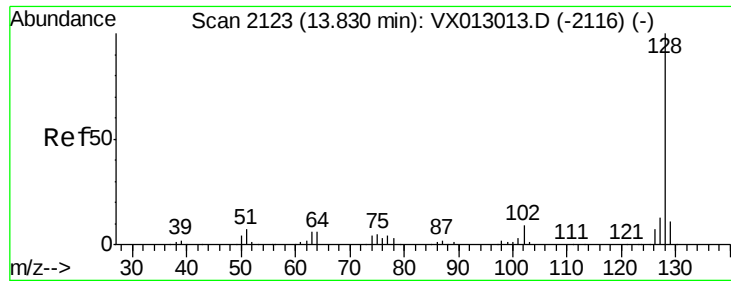


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

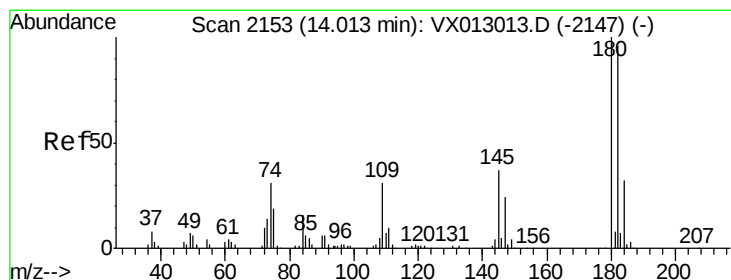
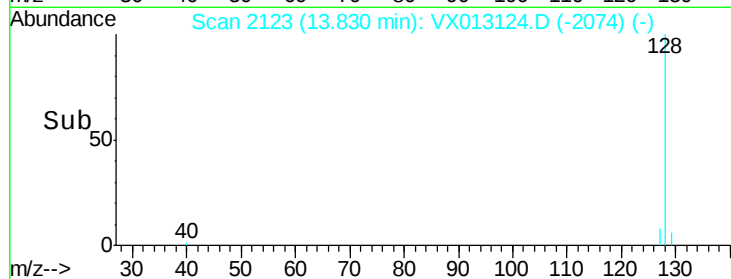
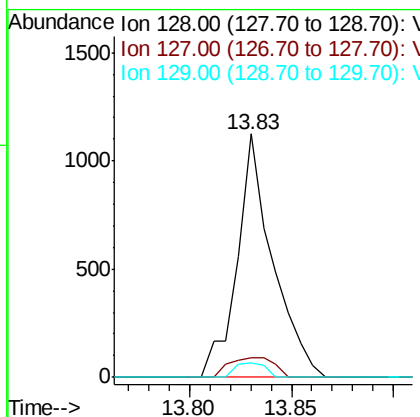
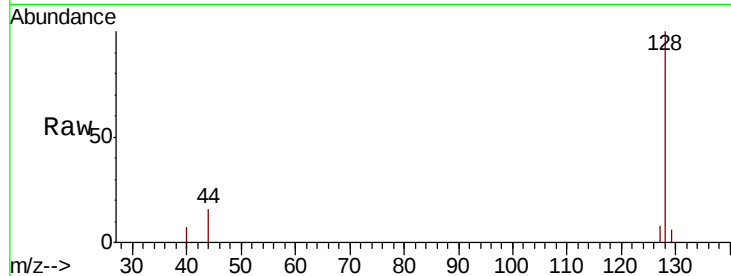




#95
Naphthalene
Concen: 0.256 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBL01

Tot Ion:128 Resp: 1351
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4#
129 4.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.286 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013124.D
Acq: 18 Oct 2019 13:49

Tgt Ion:180 Resp: 450
Ion Ratio Lower Upper
180 100
182 86.0 47.5 142.5
145 17.8 17.4 52.3

