

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012974.D
 Acq On : 10 Oct 2019 04:33
 Operator : JC/SP
 Sample : K5259-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:51:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97222	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	115802	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	5.49	113	87189	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	8.71	98	346574	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.14	95	116511	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

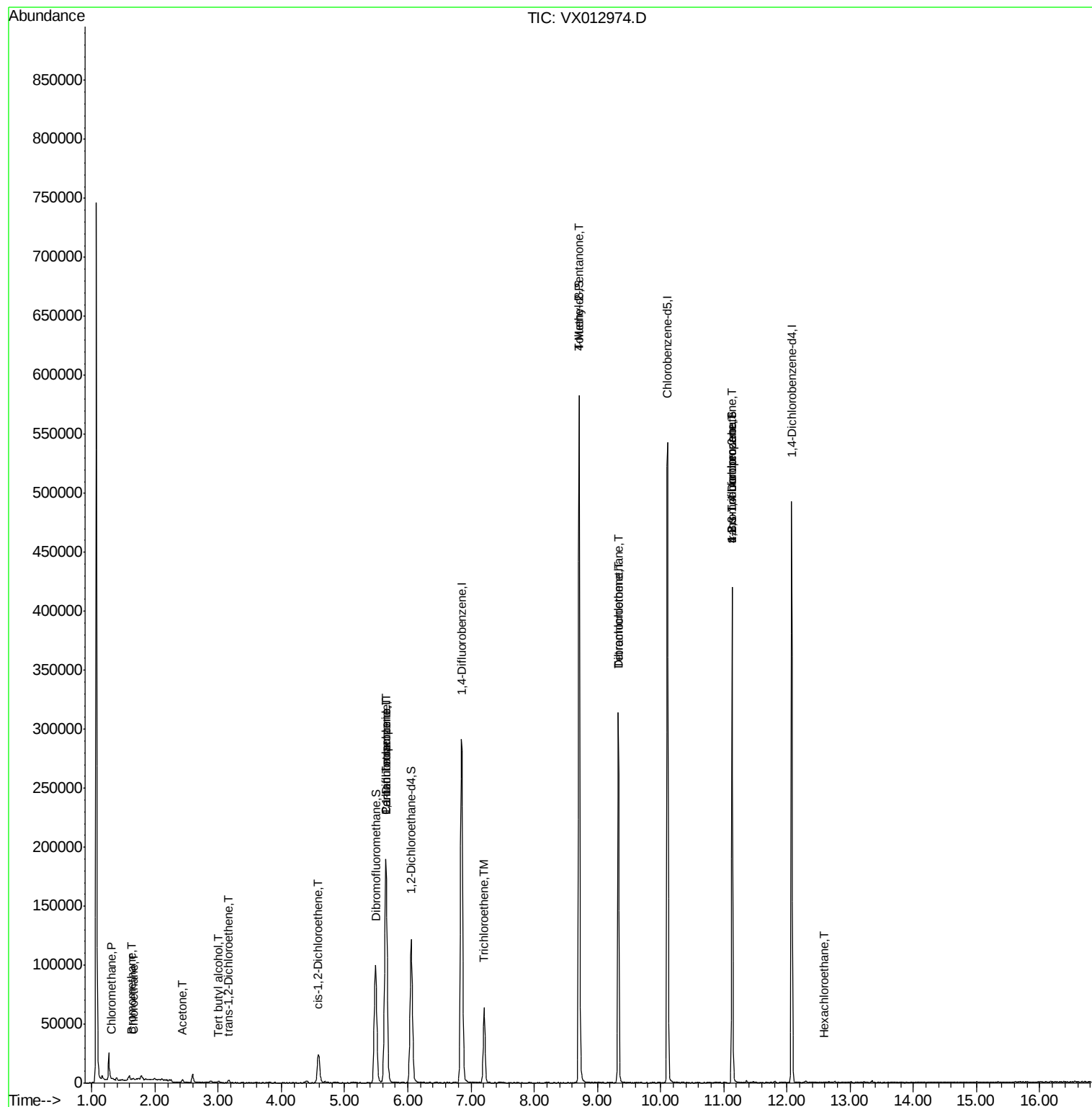
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	394	0.201	ug/l #	75
5) Bromomethane	1.64	94	226	0.269	ug/l	93
6) Chloroethane	1.66	64	759	0.978	ug/l #	79
11) Tert butyl alcohol	3.01	59	923	1.579	ug/l #	72
16) Acetone	2.43	43	2136	1.837	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	449	0.235	ug/l #	79
27) cis-1,2-Dichloroethene	4.58	96	16161	7.336	ug/l	88
28) Bromochloromethane	4.78	49	19	Below Cal	#	13
36) 1,1-Dichloropropene	5.65	75	13909	5.338	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18064	7.122	ug/l #	16
44) Trichloroethene	7.21	130	25006	11.717	ug/l	94
51) 4-Methyl-2-Pentanone	8.72	43	1609	0.552	ug/l #	1
60) Dibromochloromethane	9.33	129	57535	27.406	ug/l #	10
64) Tetrachloroethene	9.33	164	57602	33.056	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	57785	26.797	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57785	67.364	ug/l #	10
90) Hexachloroethane	12.59	117	55	2.164	ug/l #	13

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

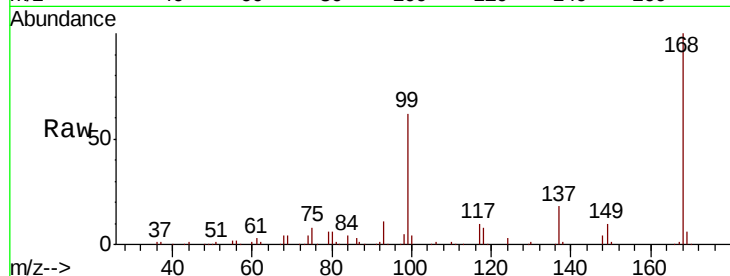
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176454

Ion Ratio Lower Upper

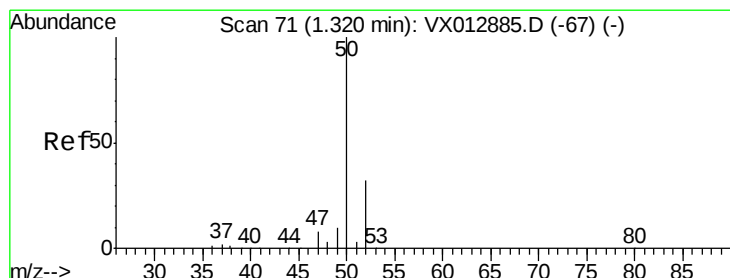
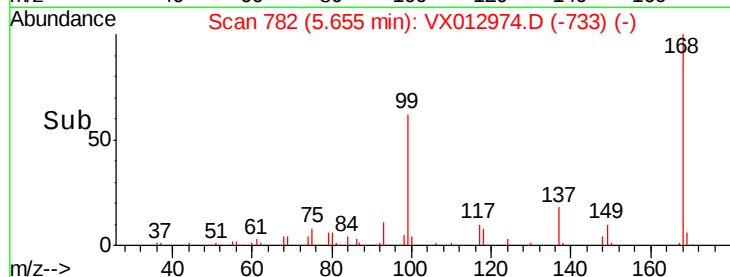
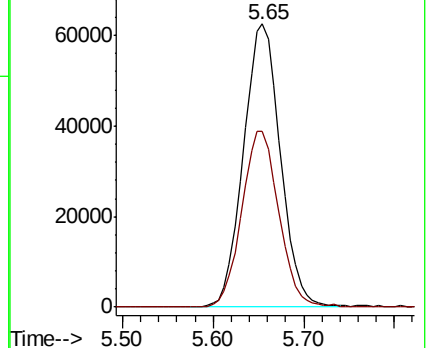
168 100

99 62.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012974.D

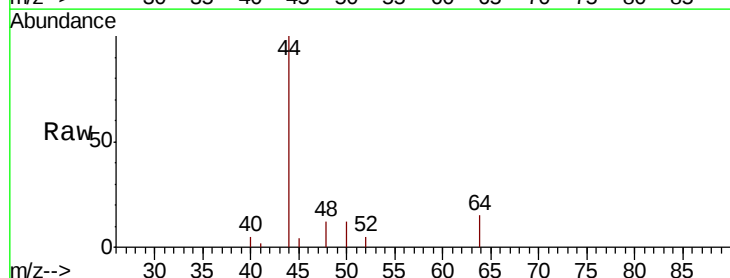
Acq: 10 Oct 2019 04:33

Tgt Ion: 50 Resp: 394

Ion Ratio Lower Upper

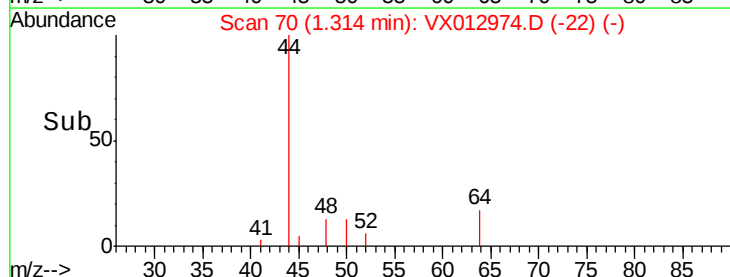
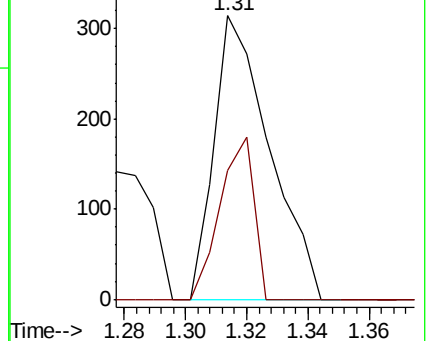
50 100

52 45.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

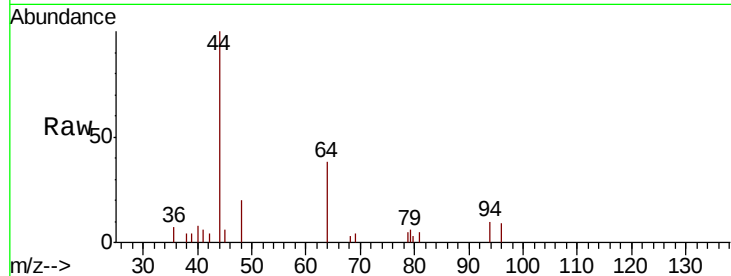
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 226

Ion Ratio Lower Upper

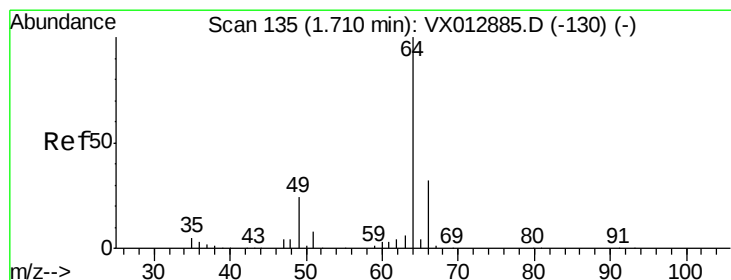
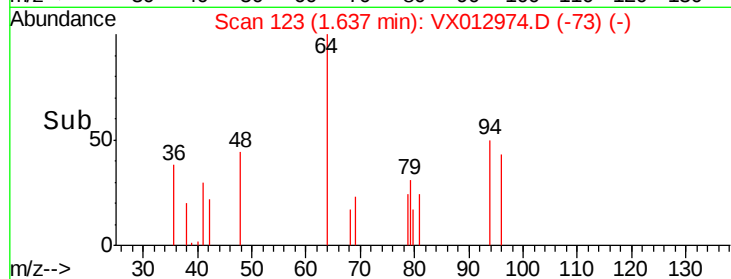
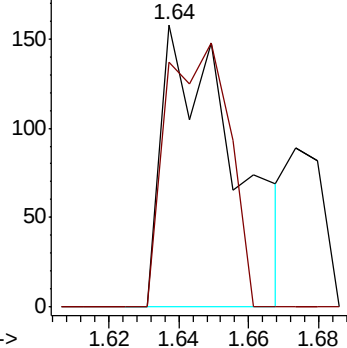
94 100

96 86.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.978 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012974.D

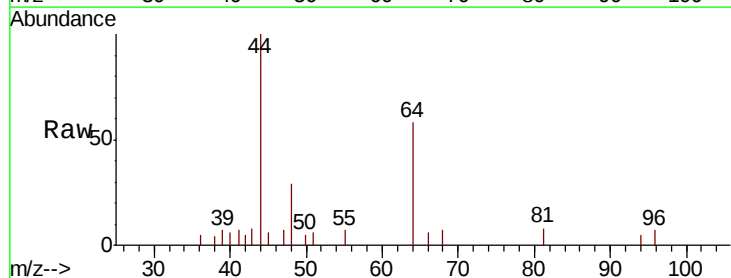
Acq: 10 Oct 2019 04:33

Tgt Ion: 64 Resp: 759

Ion Ratio Lower Upper

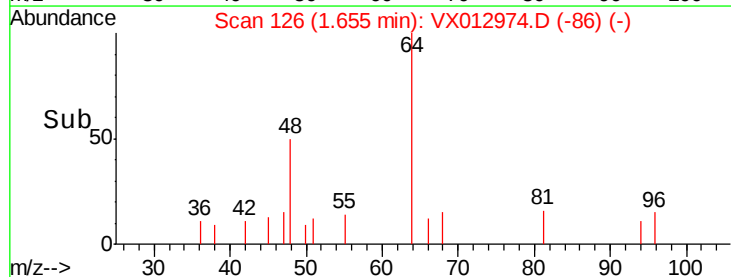
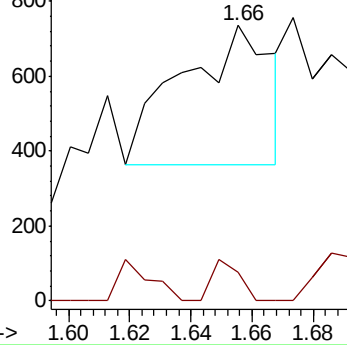
64 100

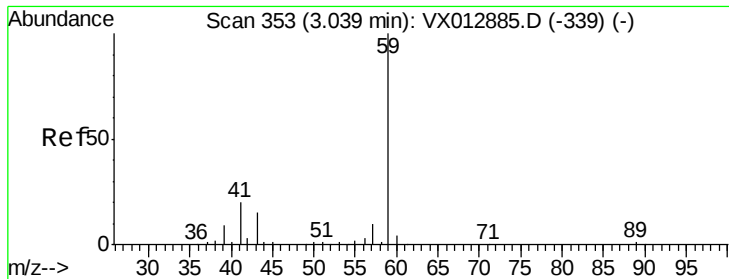
66 20.2 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

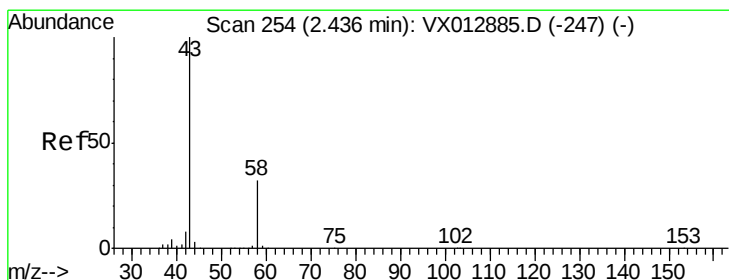
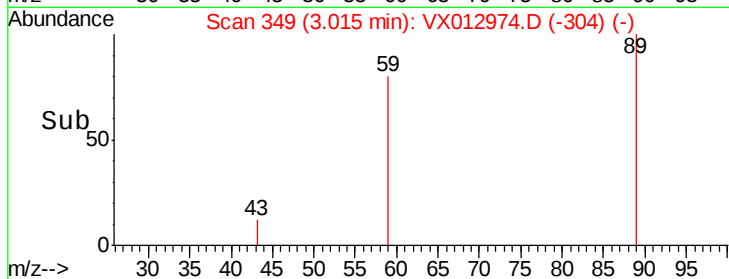
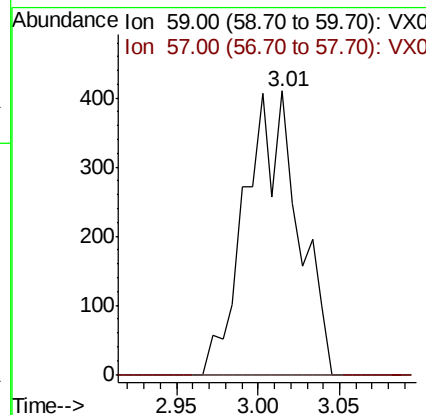
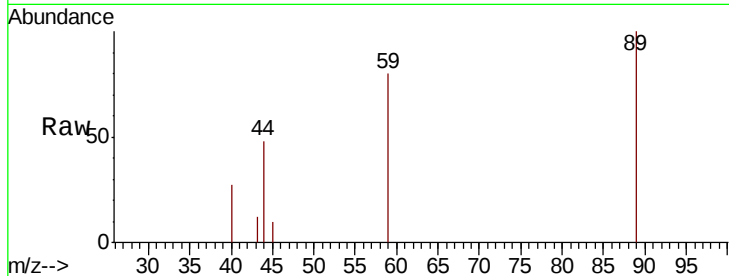




#11
Tert butyl alcohol
Concen: 1.579 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

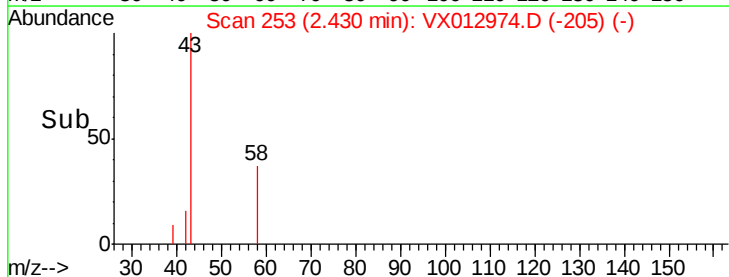
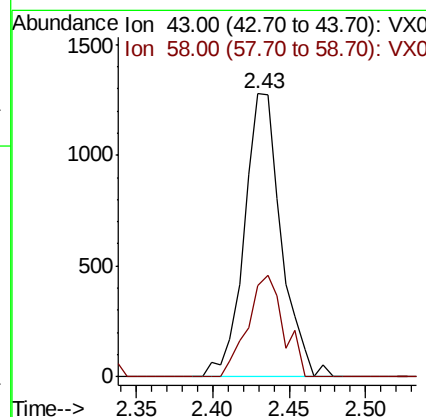
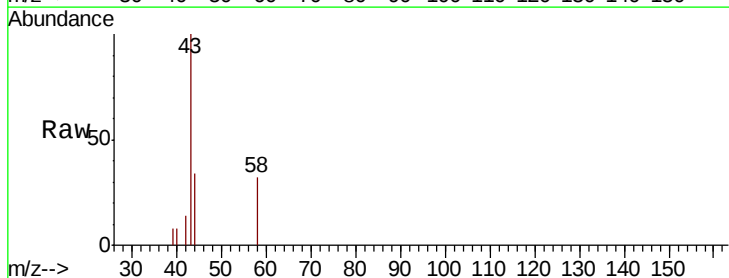
Instrument :
MSVOA_X
ClientSampled :

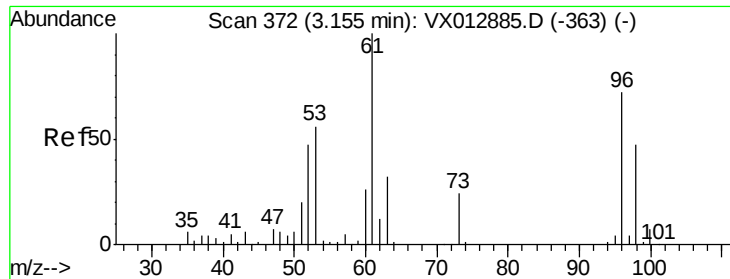
Tot Ion: 59 Resp: 923
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.837 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 32.1 25.4 38.2

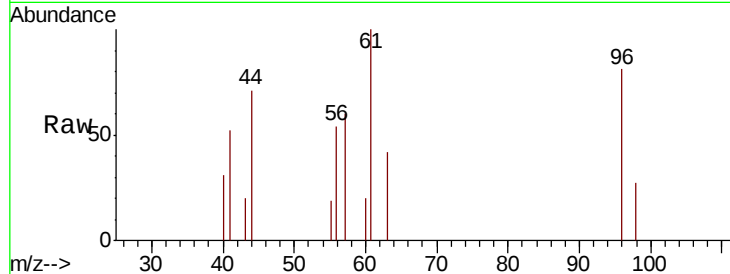




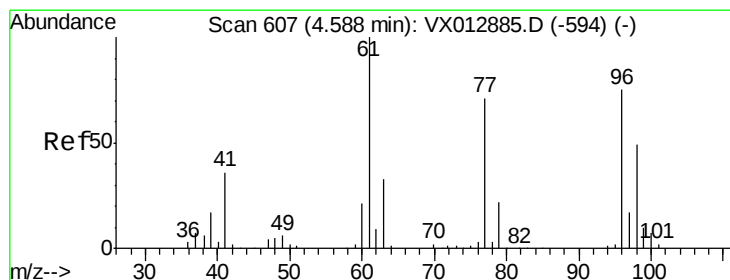
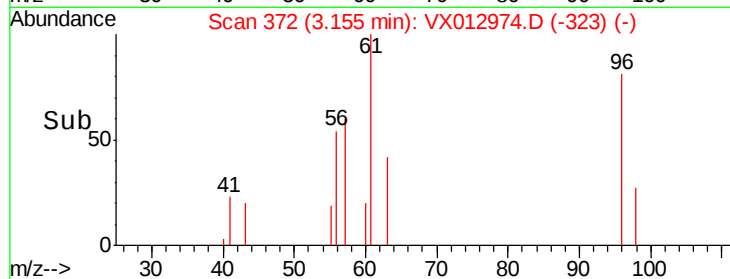
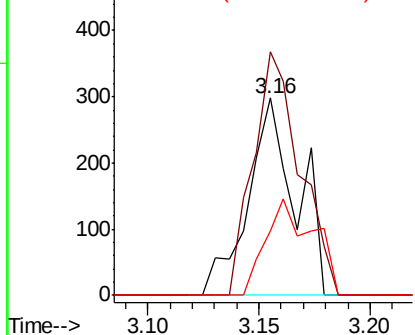
#21
trans-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 449
Ion Ratio Lower Upper
96 100
61 123.5 110.4 165.6
98 32.9 51.5 77.3#

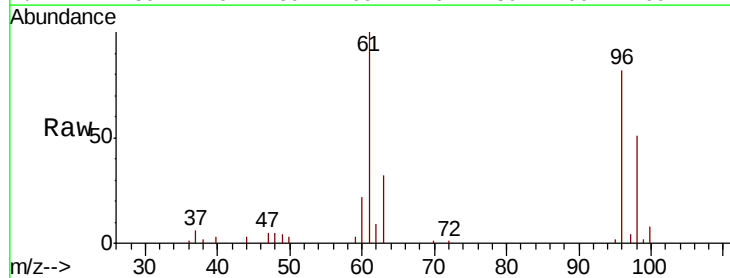


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

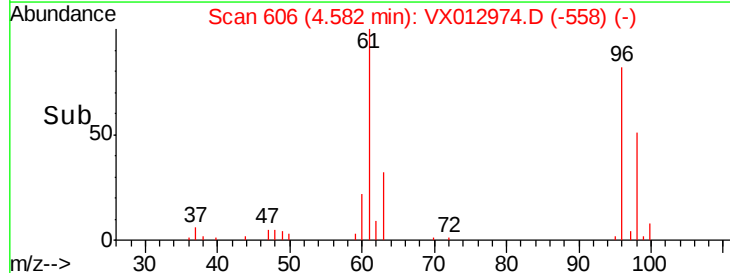
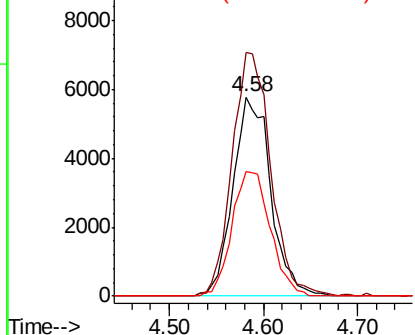


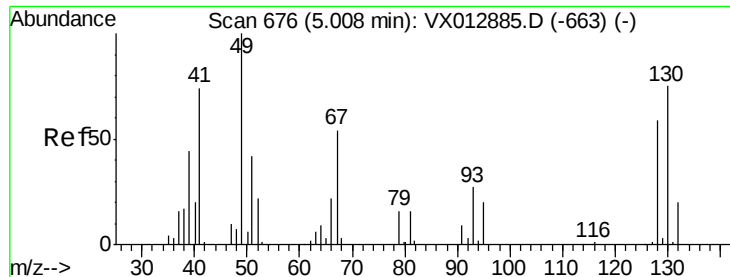
#27
cis-1,2-Dichloroethene
Concen: 7.336 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Tgt Ion: 96 Resp: 16161
Ion Ratio Lower Upper
96 100
61 125.0 0.0 290.6
98 63.8 0.0 128.8



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: Below Cal

RT: 4.78 min Scan# 638

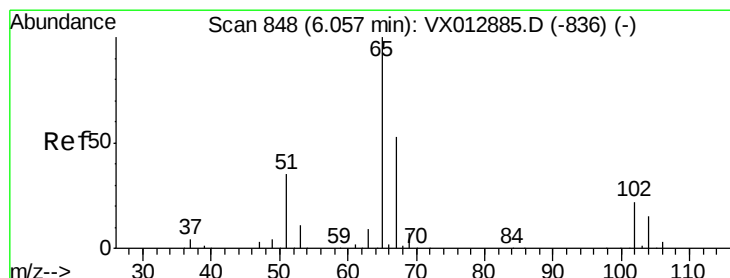
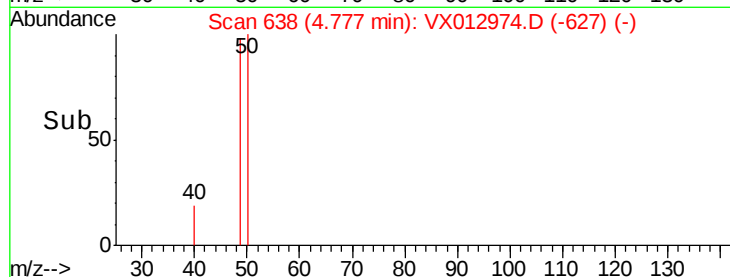
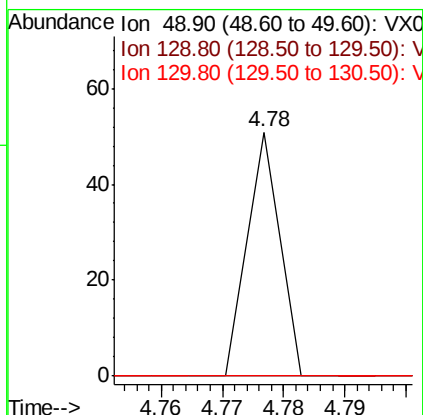
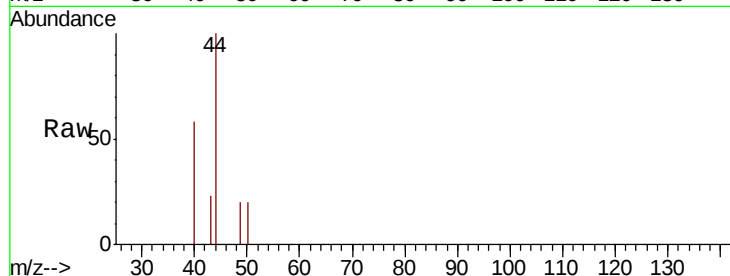
Delta R.T. -0.23 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



#33

1,2-Dichloroethane-d4

Concen: 52.507 ug/l

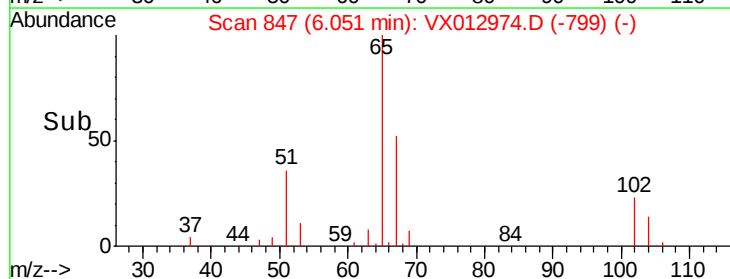
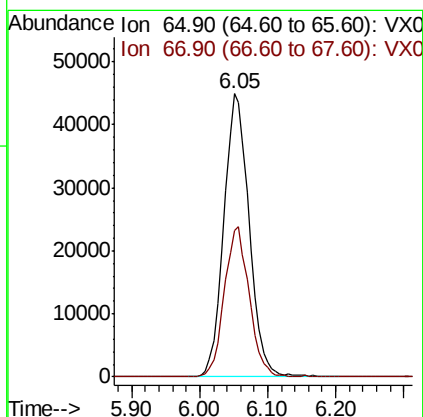
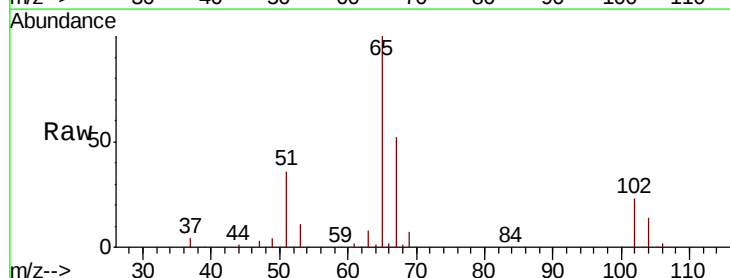
RT: 6.05 min Scan# 847

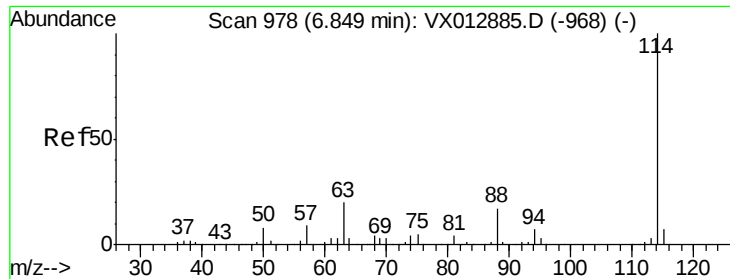
Delta R.T. -0.01 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

Tgt Ion: 65 Resp: 115802
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

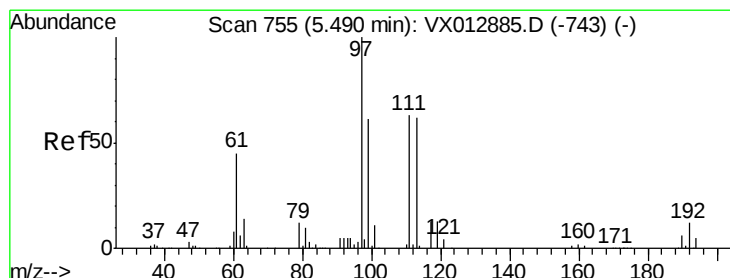
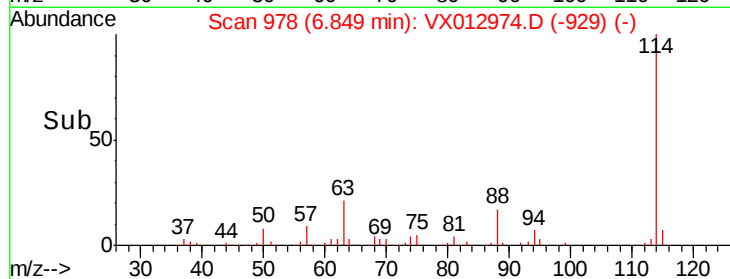
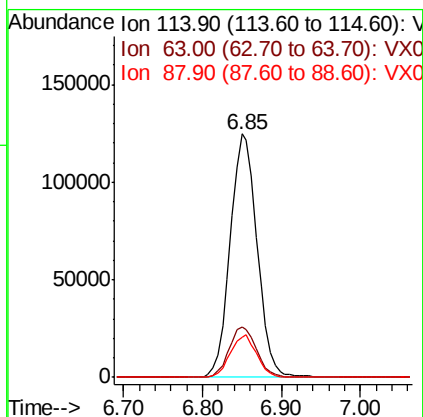
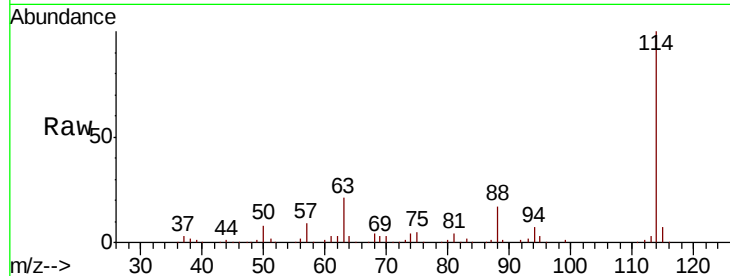




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

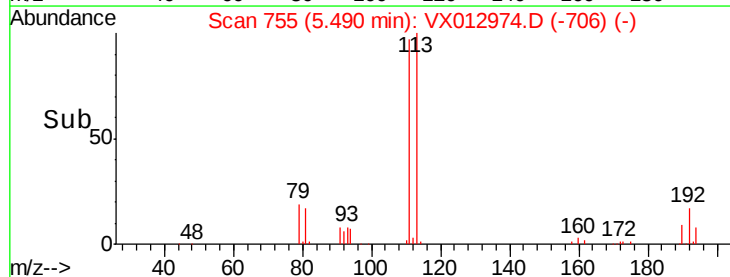
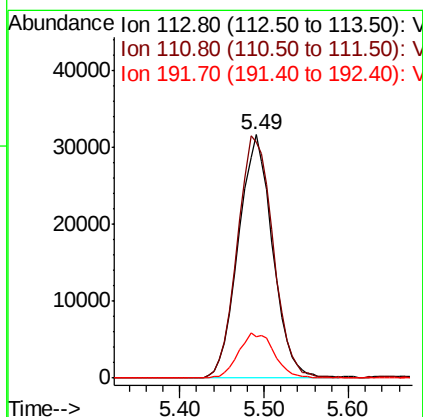
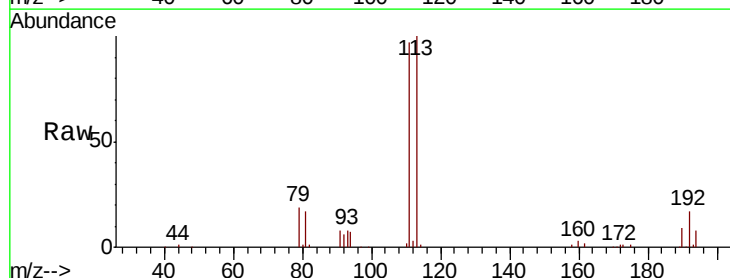
Instrument :
MSVOA_X
ClientSampleId :

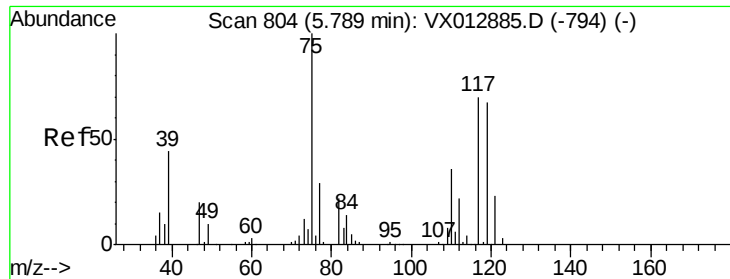
Tot Ion:114 Resp: 296367
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.258 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Tgt Ion:113 Resp: 87189
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 19.3 15.4 23.2

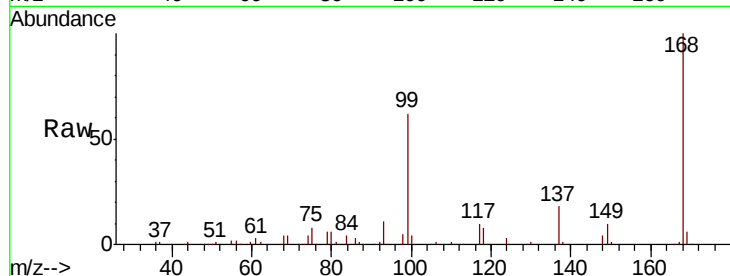




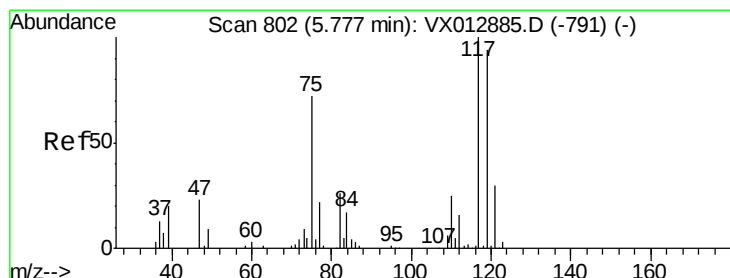
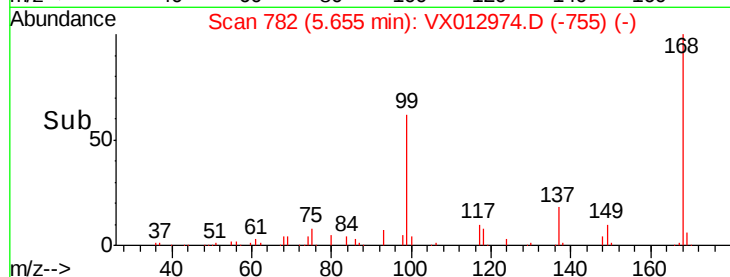
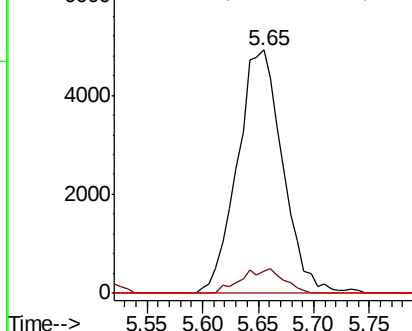
#36
 1,1-Dichloropropene
 Concen: 5.338 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012974.D
 Acq: 10 Oct 2019 04:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.6	52.9#
77	0.0	24.4	36.6#

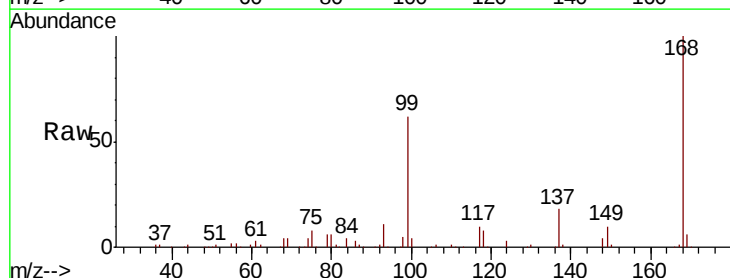


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

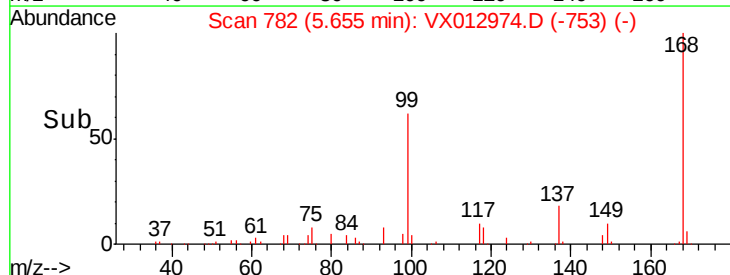
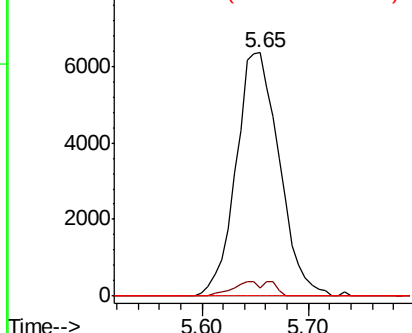


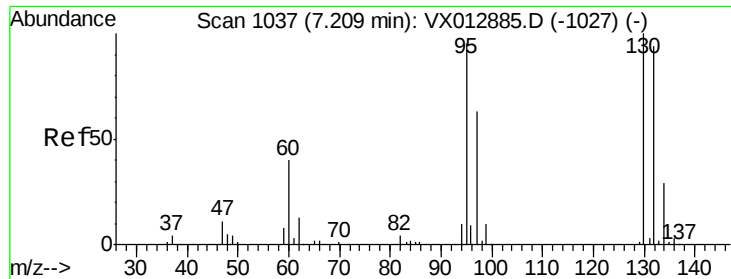
#38
 Carbon Tetrachloride
 Concen: 7.122 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012974.D
 Acq: 10 Oct 2019 04:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	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

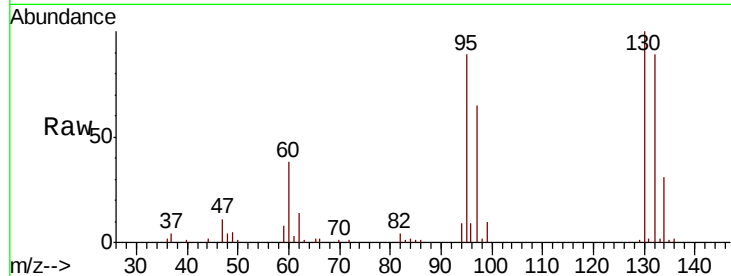




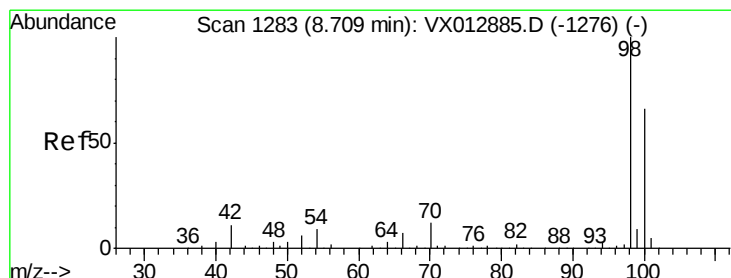
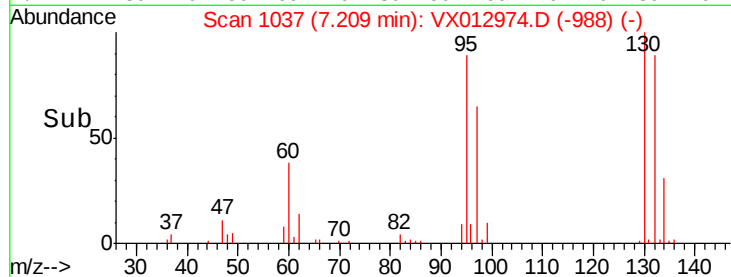
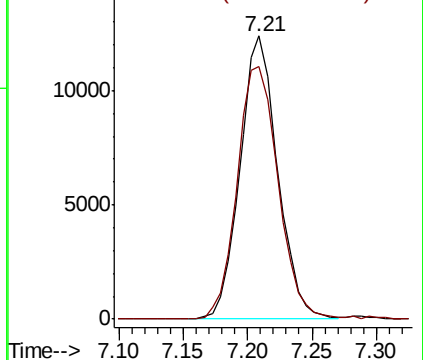
#44
 Trichloroethene
 Concen: 11.717 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX012974.D
 Acq: 10 Oct 2019 04:33

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 25006
 Ion Ratio Lower Upper
 130 100
 95 89.2 0.0 189.2

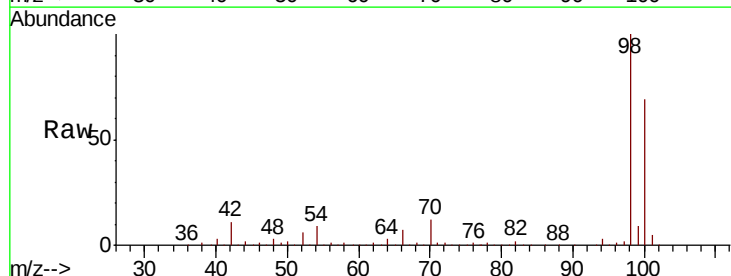


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

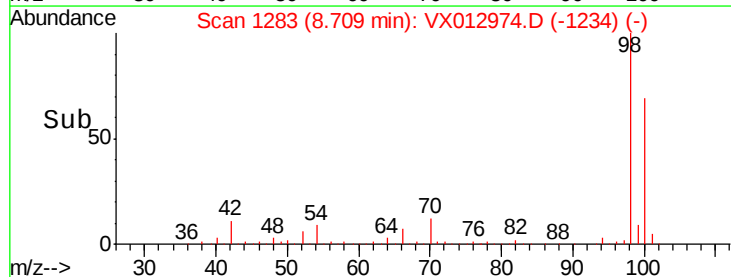
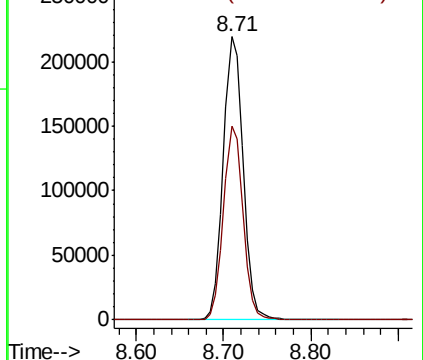


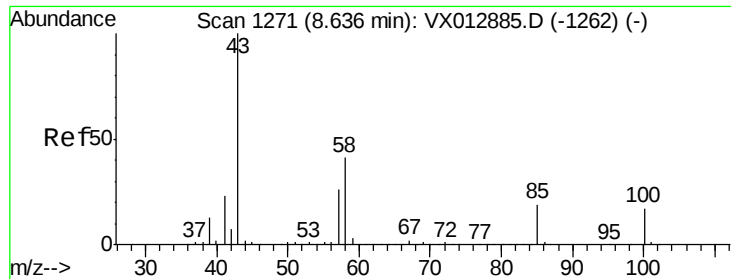
#50
 Toluene-d8
 Concen: 52.240 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012974.D
 Acq: 10 Oct 2019 04:33

Tgt Ion: 98 Resp: 346574
 Ion Ratio Lower Upper
 98 100
 100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

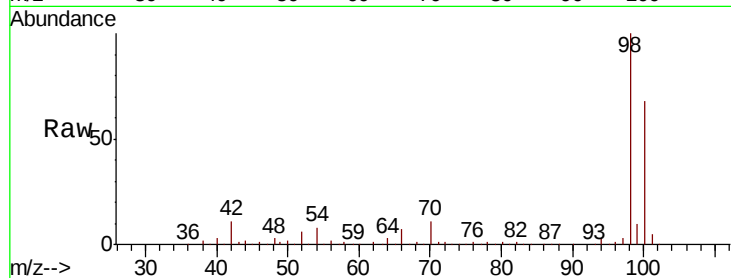




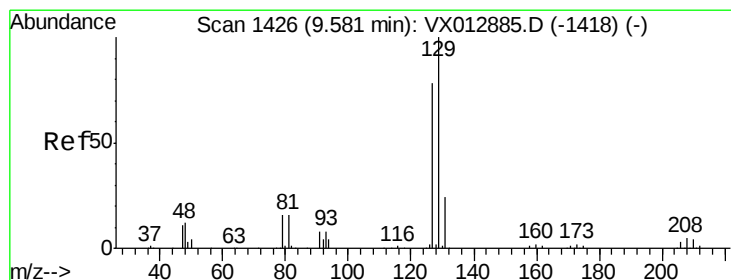
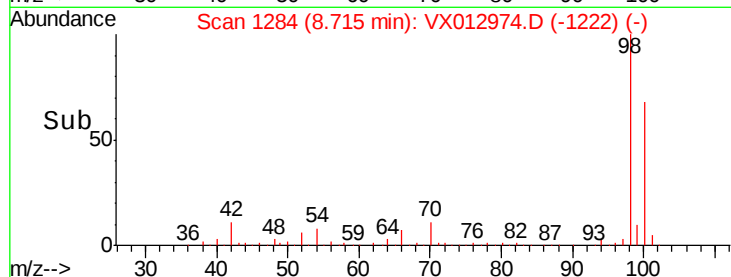
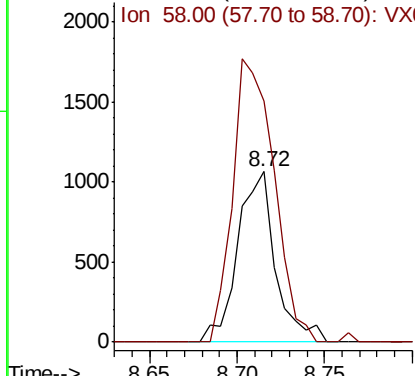
#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
58 181.4 32.4 48.6#

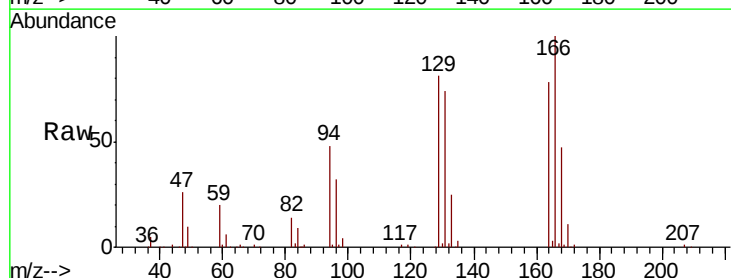


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

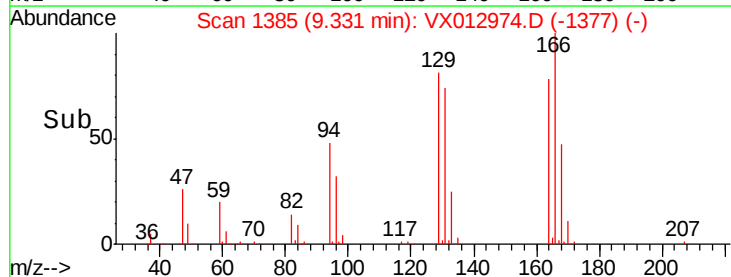
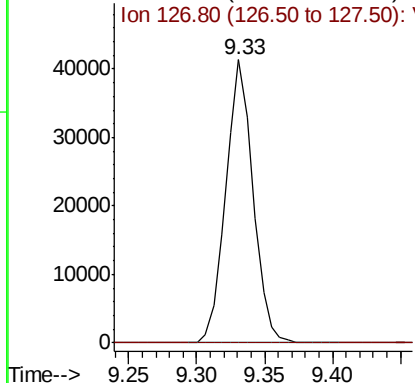


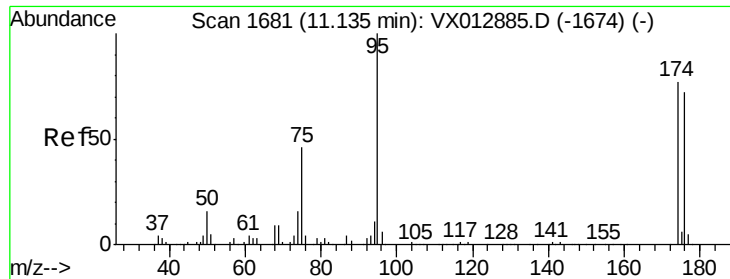
#60
Dibromochloromethane
Concen: 27.406 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Tgt Ion:129 Resp: 57535
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

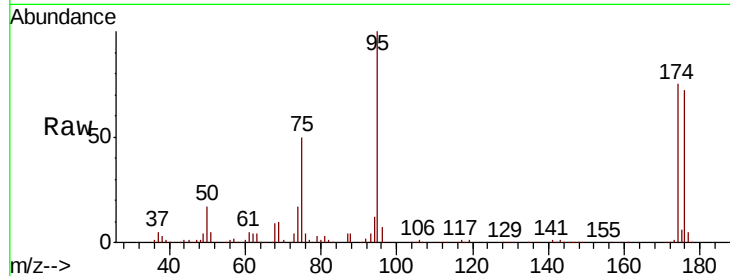




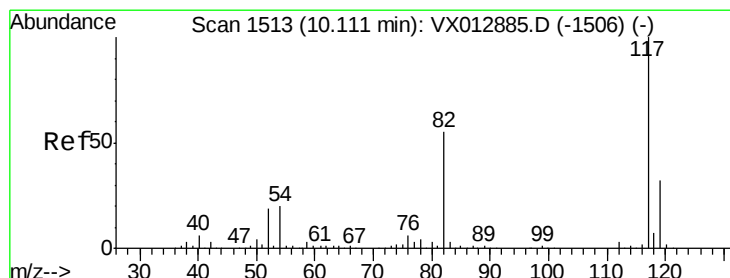
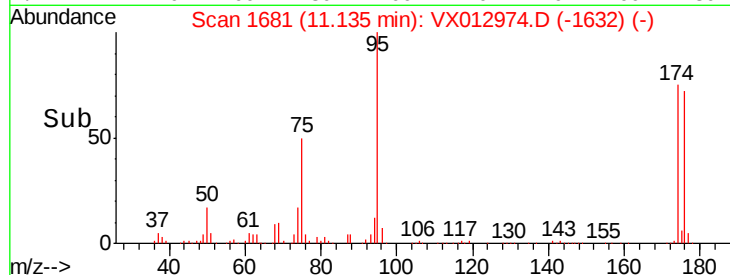
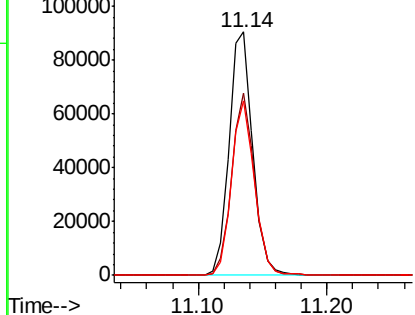
#62
4-Bromofluorobenzene
Concen: 45.198 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 116511
Ion Ratio Lower Upper
95 100
174 72.1 0.0 143.4
176 69.8 0.0 136.0

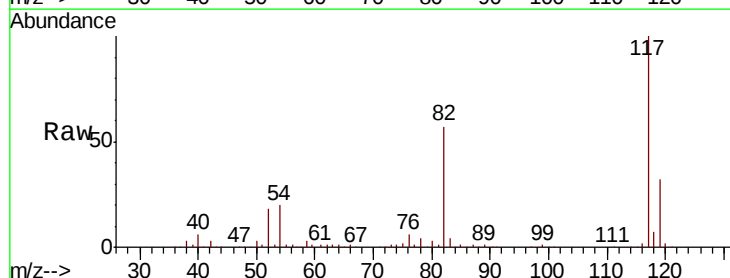


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

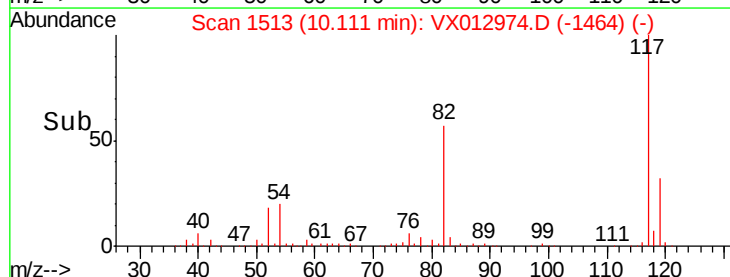
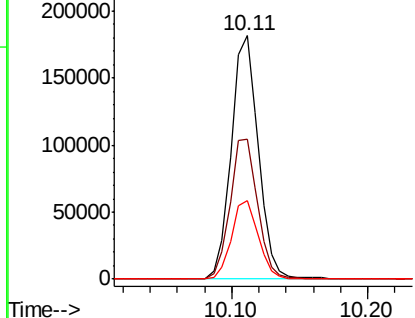


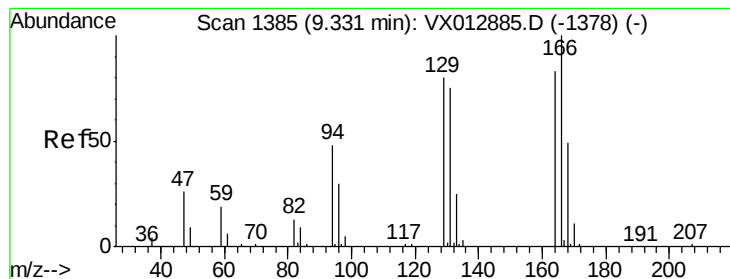
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012974.D
Acq: 10 Oct 2019 04:33

Tgt Ion: 117 Resp: 251236
Ion Ratio Lower Upper
117 100
82 57.5 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





#64

Tetrachloroethene

Concen: 33.056 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 57602

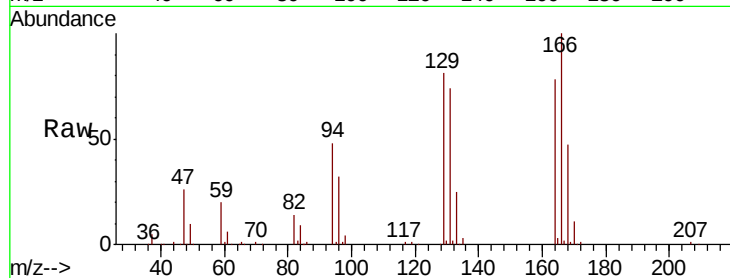
Ion Ratio Lower Upper

164 100

166 128.0 96.9 145.3

129 104.2 77.9 116.9

131 94.4 72.7 109.1



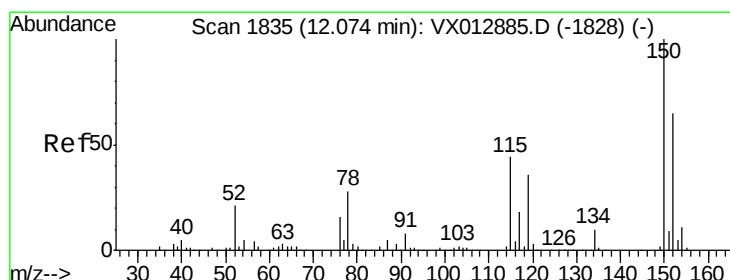
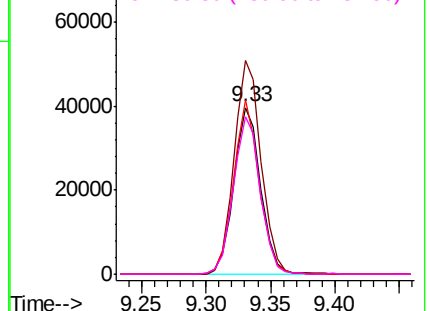
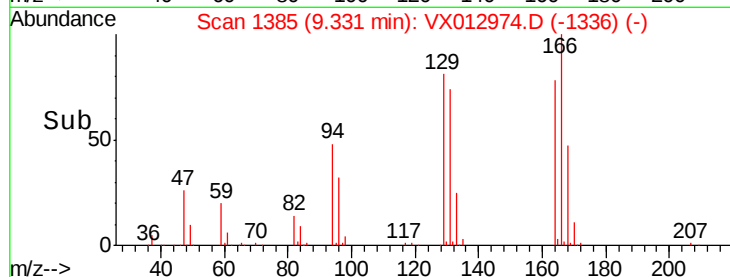
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

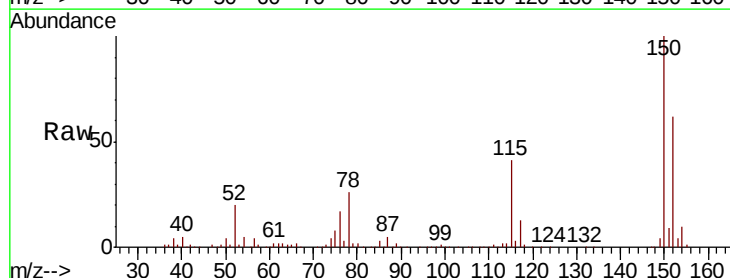
Tgt Ion:152 Resp: 97222

Ion Ratio Lower Upper

152 100

115 63.4 44.5 133.5

150 155.6 0.0 353.4

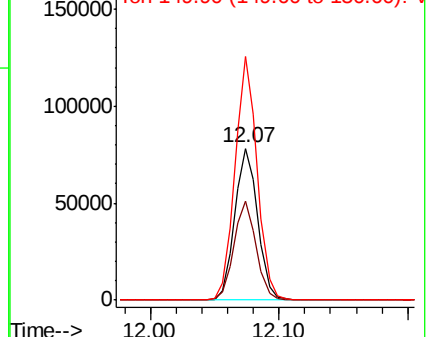
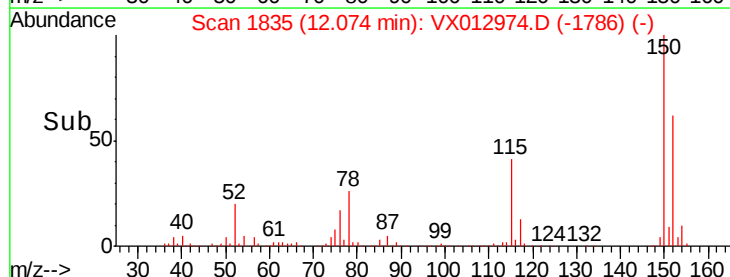


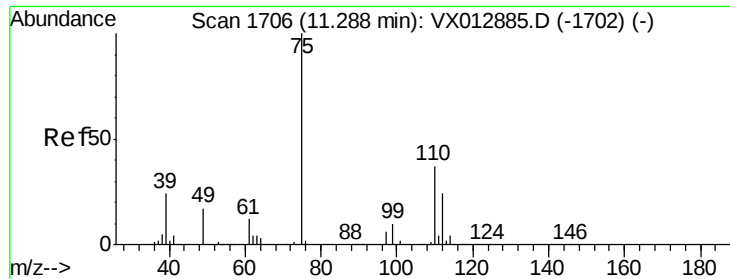
Abundance

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: 26.797 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

Instrument :

MSVOA_X

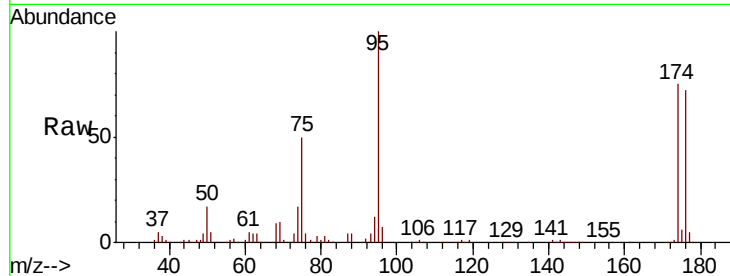
ClientSampled :

Tot Ion: 75 Resp: 57785

Ion Ratio Lower Upper

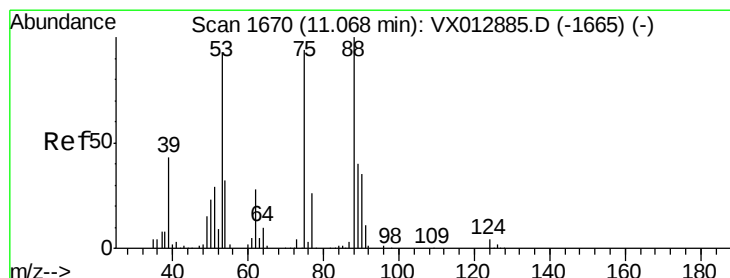
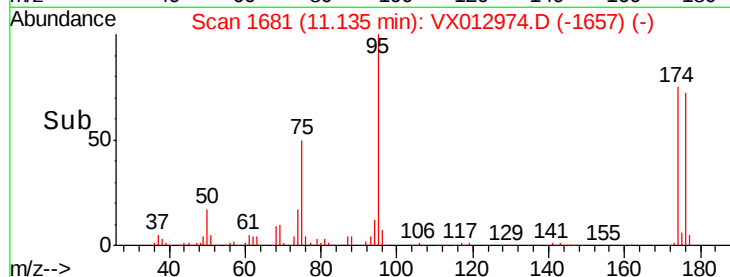
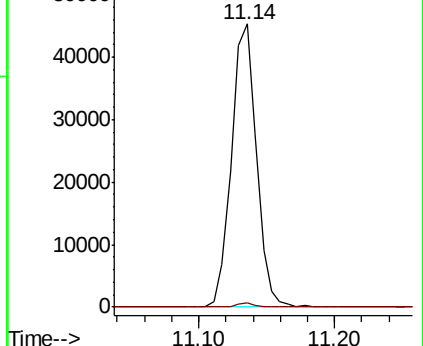
75 100

77 1.2 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: 67.364 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

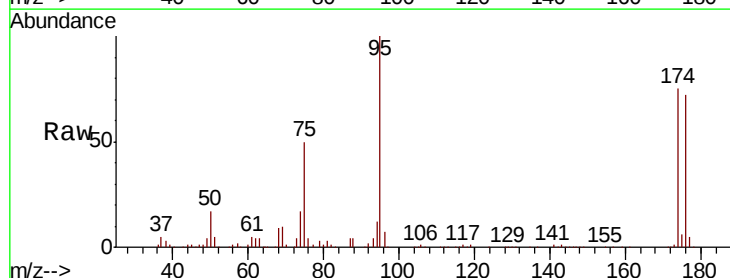
Tgt Ion: 75 Resp: 57785

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

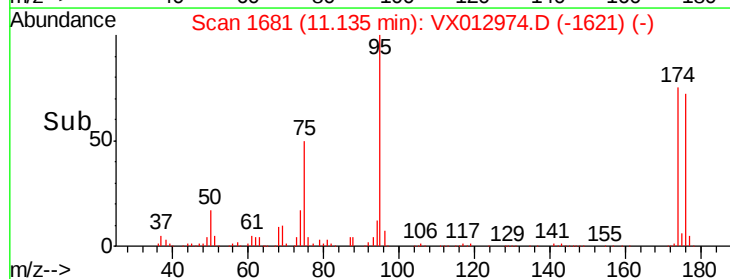
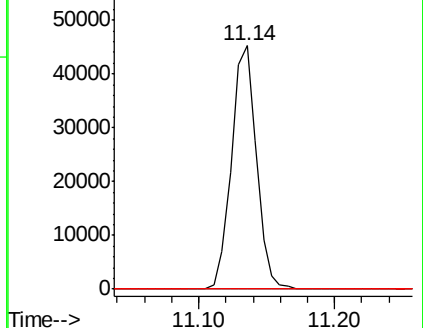
89 0.0 37.4 56.2#

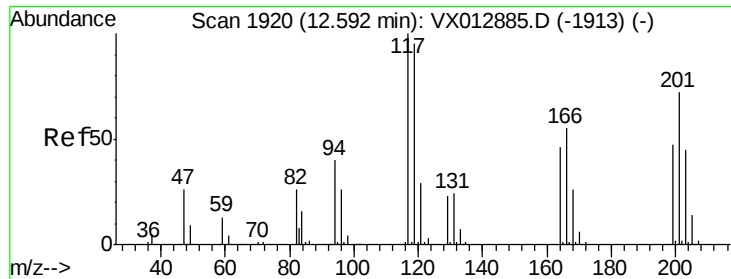


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 2.164 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012974.D

Acq: 10 Oct 2019 04:33

Instrument :

MSVOA_X

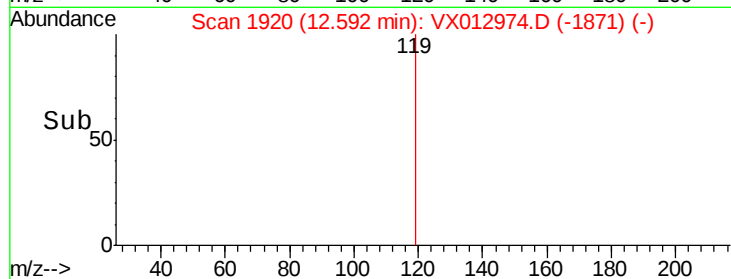
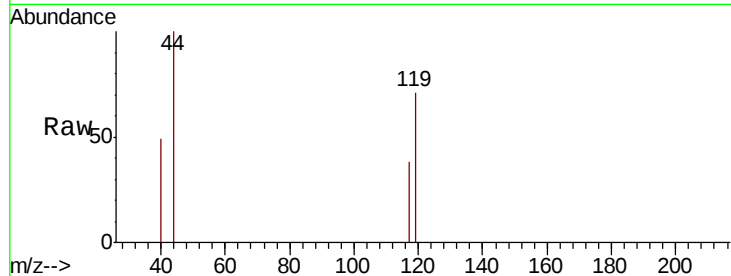
ClientSampleId :

Tot Ion:117 Resp: 55

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

