

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014274.D
 Acq On : 26 Dec 2019 17:08
 Operator : JC/SP
 Sample : K6405-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 997-MW-16-(22.5)

Quant Time: Dec 27 06:03:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	530795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	815830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317706	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	293807	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	244744	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	968395	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	322937	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

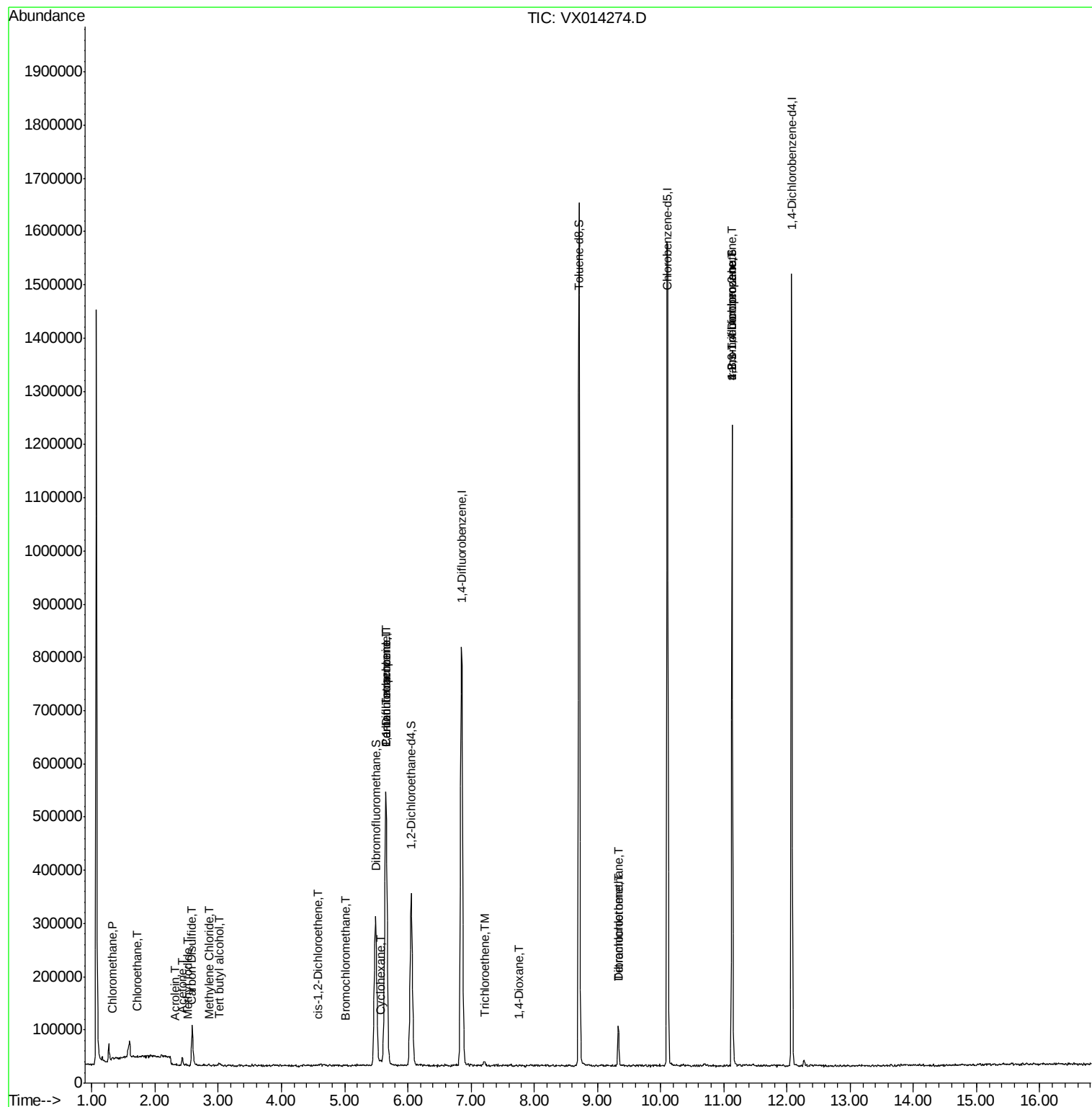
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1542	0.242	ug/l #	87
6) Chloroethane	1.72	64	930	0.224	ug/l #	45
10) Methyl Iodide	2.52	142	541	2.698	ug/l #	38
11) Tert butyl alcohol	3.03	59	5274	4.057	ug/l	94
13) Acrolein	2.31	56	372	0.500	ug/l #	14
16) Acetone	2.43	43	17379	4.450	ug/l	97
17) Carbon Disulfide	2.57	76	735	0.801	ug/l #	93
20) Methylene Chloride	2.86	84	1989	0.323	ug/l #	54
27) cis-1,2-Dichloroethene	4.58	96	1426	0.224	ug/l	89
28) Bromochloromethane	5.01	49	109	0.482	ug/l #	1
31) Cyclohexane	5.57	56	6241	0.694	ug/l	95
36) 1,1-Dichloropropene	5.65	75	35876	4.793	ug/l #	52
38) Carbon Tetrachloride	5.65	117	47002	6.892	ug/l #	16
44) Trichloroethene	7.22	130	3914	0.615	ug/l	86
49) 1,4-Dioxane	7.76	88	618	4.533	ug/l #	24
60) Dibromochloromethane	9.33	129	14419	2.486	ug/l #	12
64) Tetrachloroethene	9.33	164	16265	2.503	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	155607	22.560	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	155607	63.677	ug/l #	12

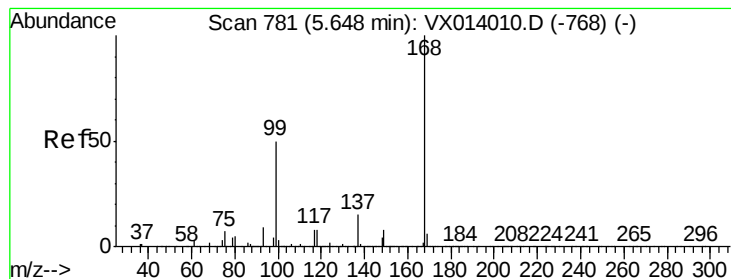
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

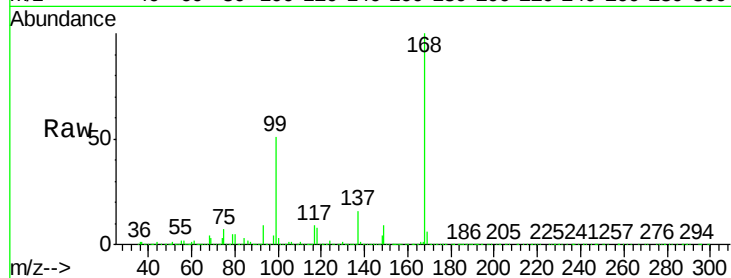
997-MW-16-(22.5)

Tgt Ion: 168 Resp: 530795

Ion Ratio Lower Upper

168 100

99 50.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

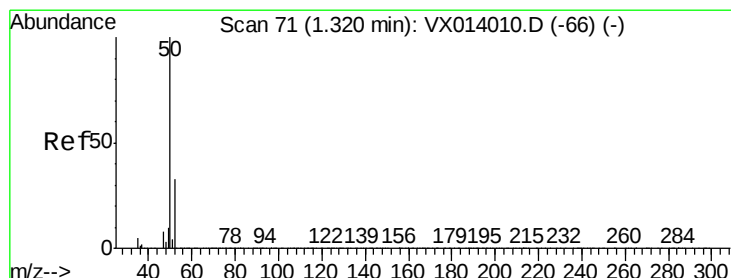
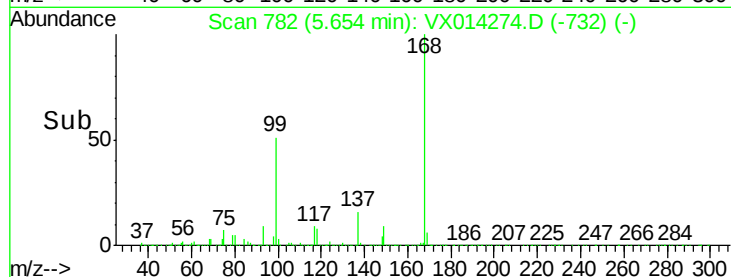
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014274.D

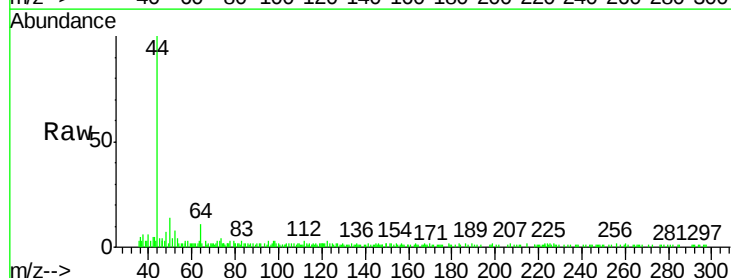
Acq: 26 Dec 2019 17:08

Tgt Ion: 50 Resp: 1542

Ion Ratio Lower Upper

50 100

52 25.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

600

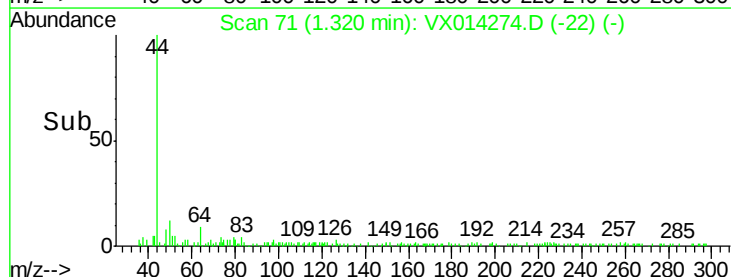
400

200

0

Time-->

1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.224 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

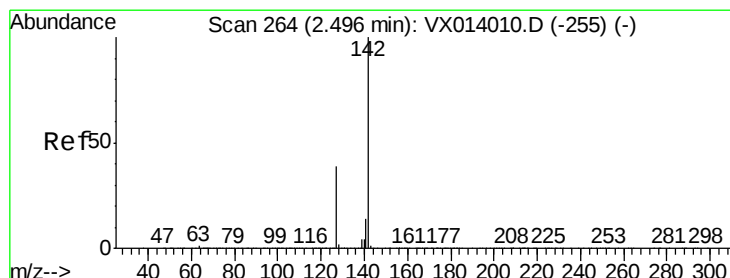
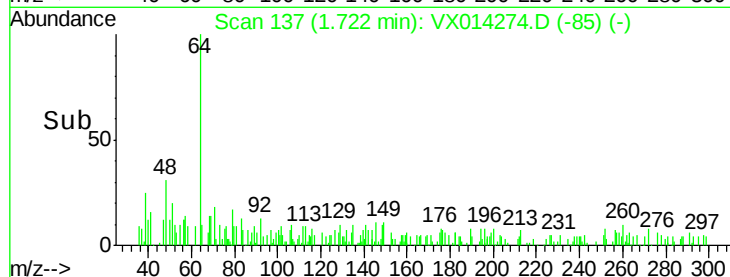
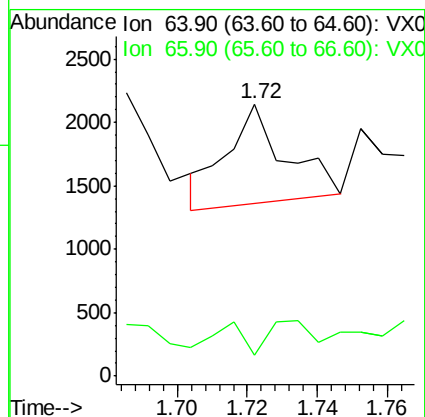
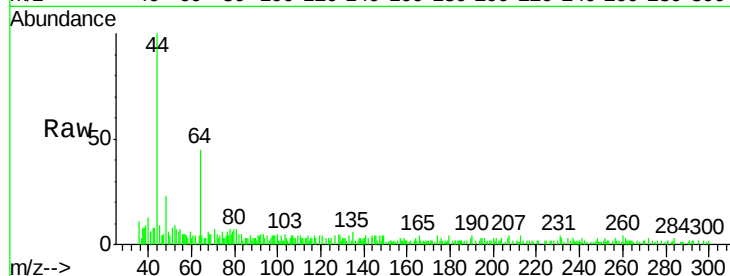
997-MW-16-(22.5)

Tgt Ion: 64 Resp: 930

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



#10

Methyl Iodide

Concen: 2.698 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

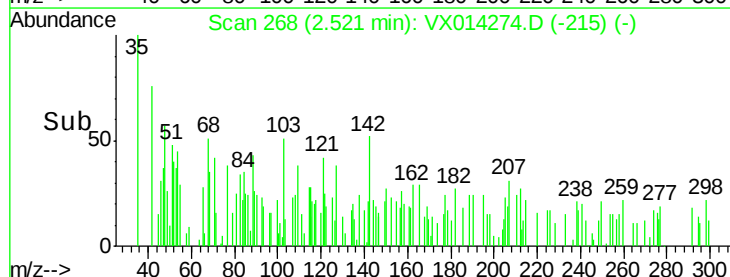
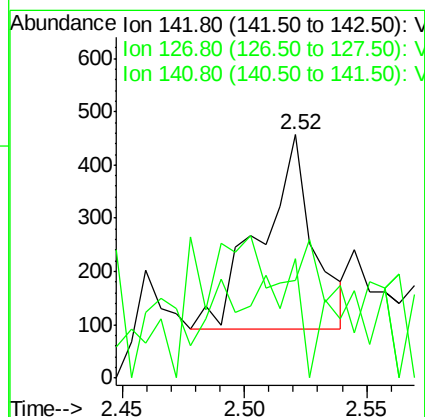
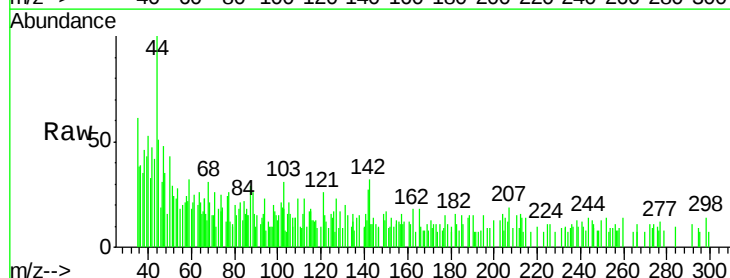
Tgt Ion: 142 Resp: 541

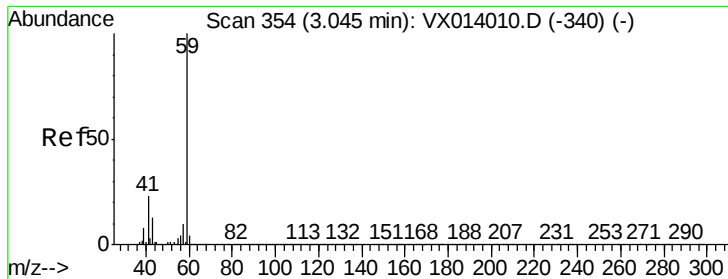
Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

141 37.0 11.6 17.4#



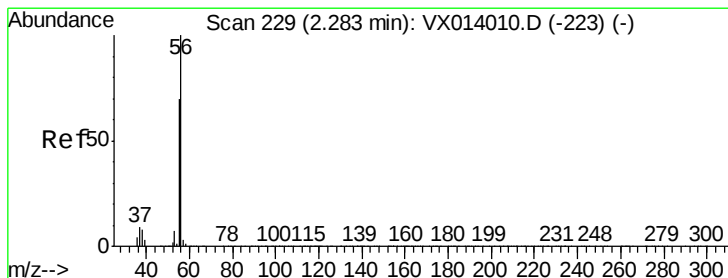
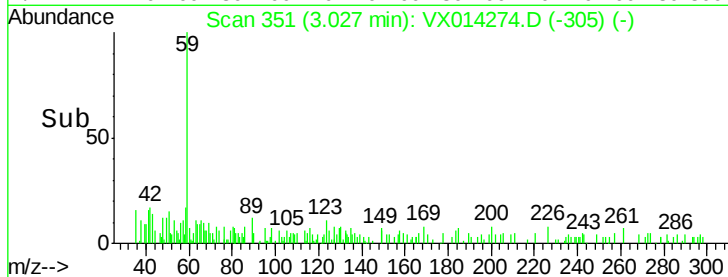
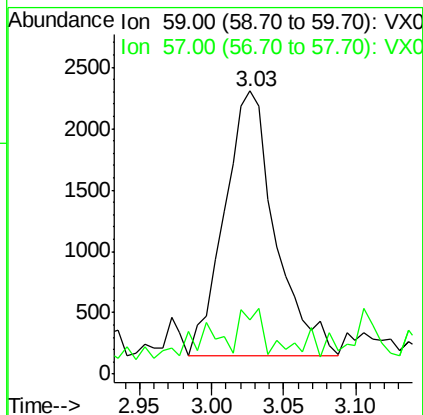
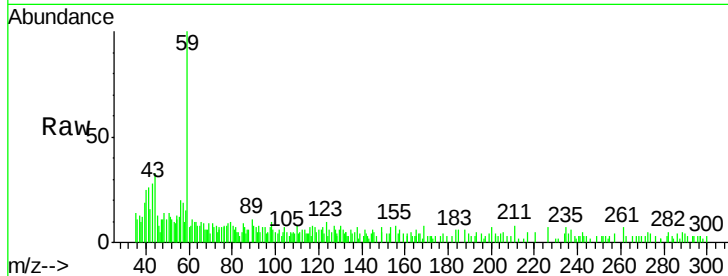


#11

Tert butyl alcohol
 Concen: 4.057 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Instrument :
 MSVOA_X
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 997-MW-16-(22.5)

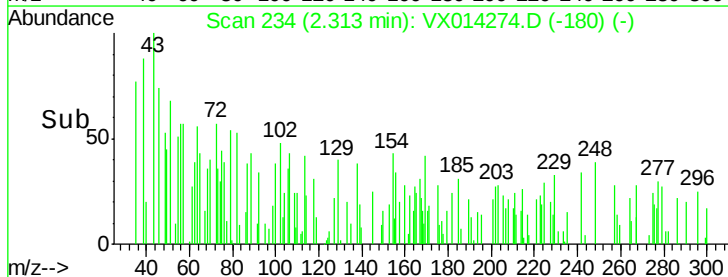
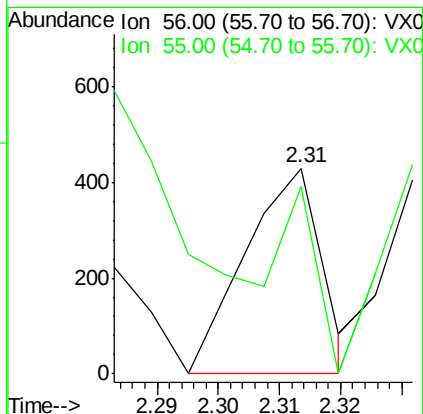
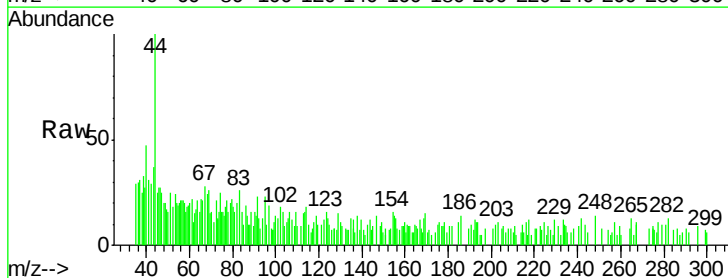
Tgt Ion: 59 Resp: 5274
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.4 12.6

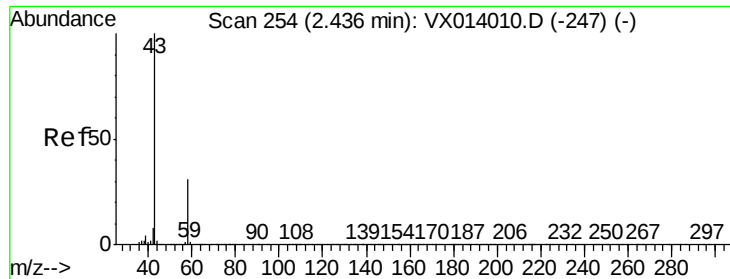


#13

Acrolein
 Concen: 0.500 ug/l
 RT: 2.31 min Scan# 234
 Delta R.T. 0.03 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion: 56 Resp: 372
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#

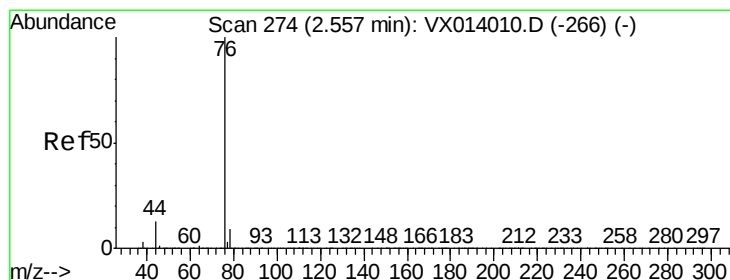
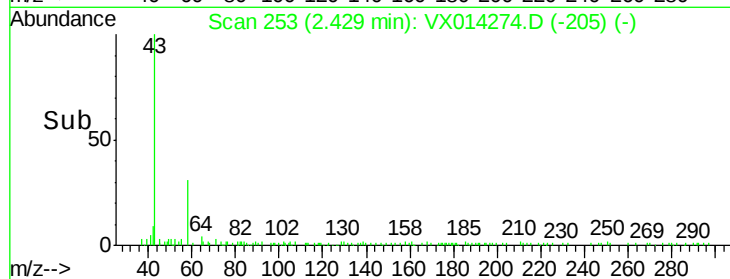
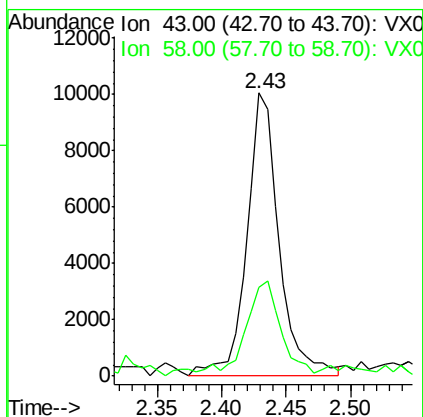
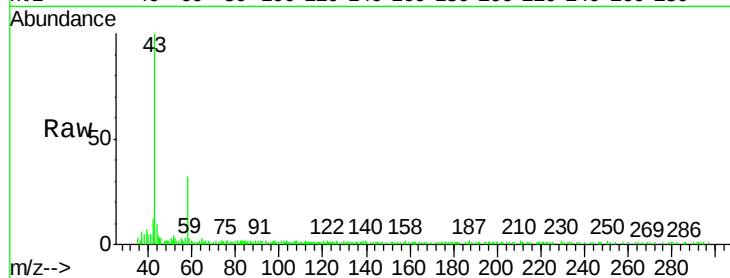




#16
Acetone
Concen: 4.450 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

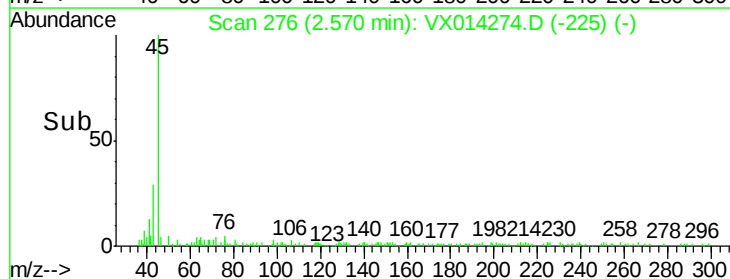
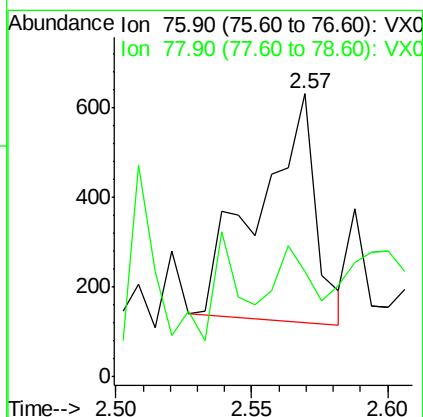
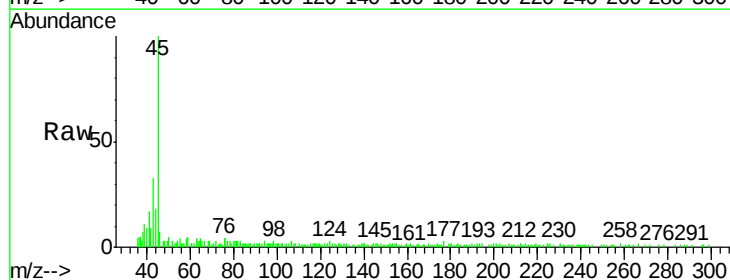
Instrument :
MSVOA_X
ClientSampleId :
997-MW-16-(22.5)

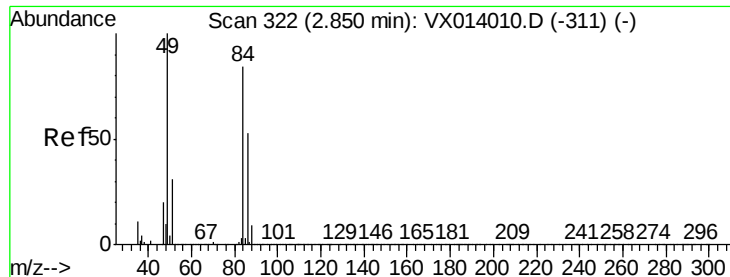
Tgt Ion: 43 Resp: 17379
Ion Ratio Lower Upper
43 100
58 29.4 24.9 37.3



#17
Carbon Disulfide
Concen: 0.801 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

Tgt Ion: 76 Resp: 735
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8#





#20

Methylene Chloride

Concen: 0.323 ug/l

RT: 2.86 min Scan# 323

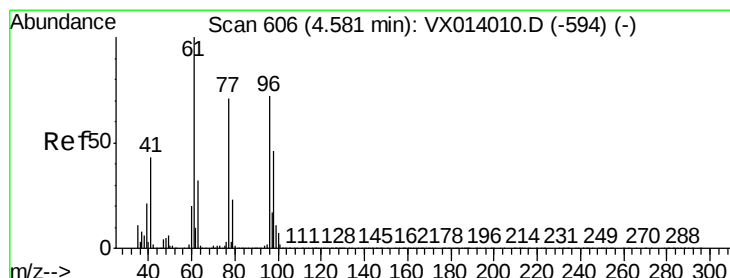
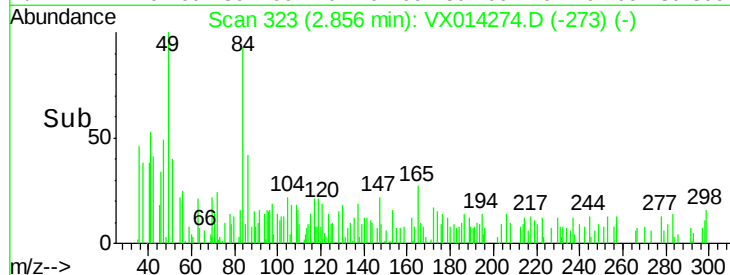
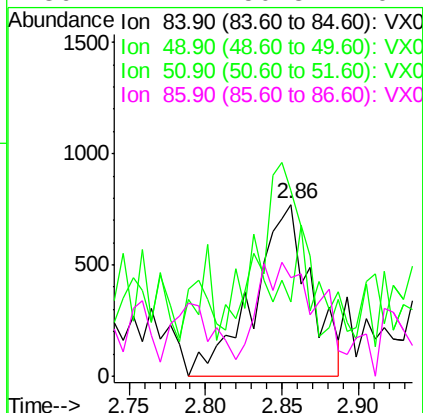
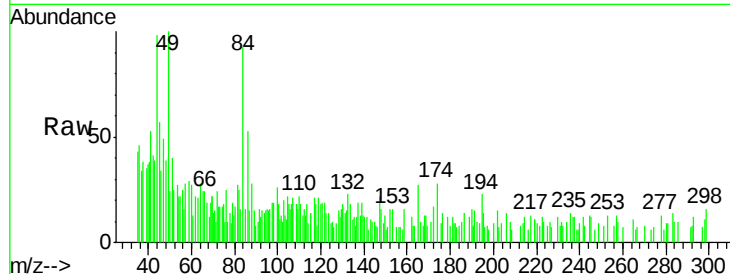
Delta R.T. 0.01 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
997-MW-16-(22.5)

Tgt Ion:	84	Resp:	1989
Ion	Ratio	Lower	Upper
84	100		
49	62.6	95.8	143.6#
51	0.0	29.8	44.8#
86	42.7	50.8	76.2#



#27

cis-1,2-Dichloroethene

Concen: 0.224 ug/l

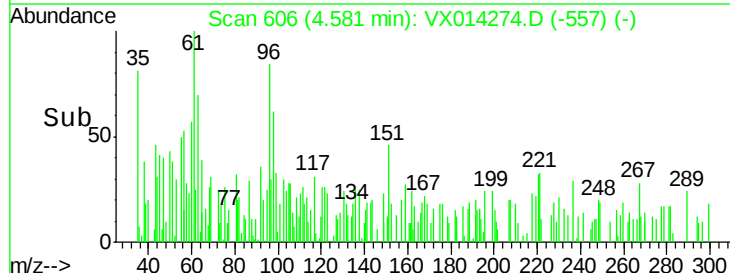
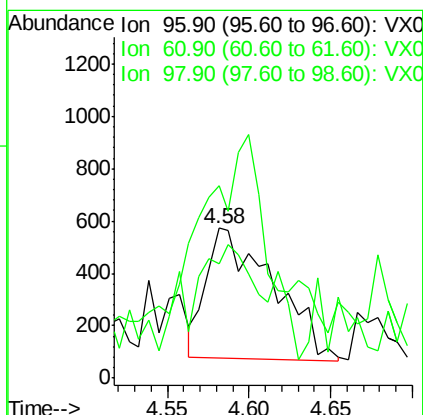
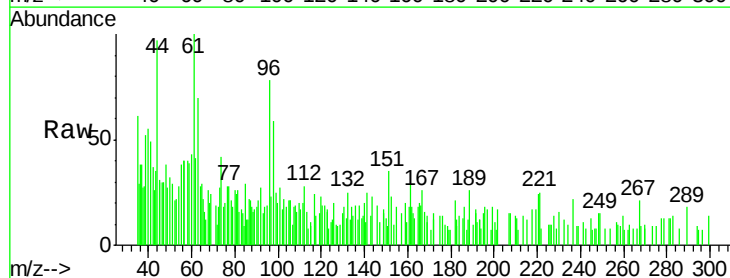
RT: 4.58 min Scan# 606

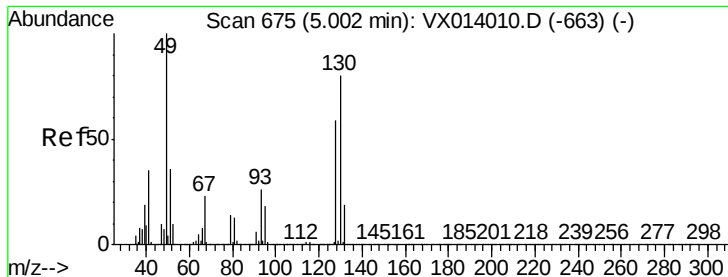
Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Tgt Ion:	96	Resp:	1426
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	288.4
98	83.7	0.0	129.6





#28

Bromochloromethane

Concen: 0.482 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

997-MW-16-(22.5)

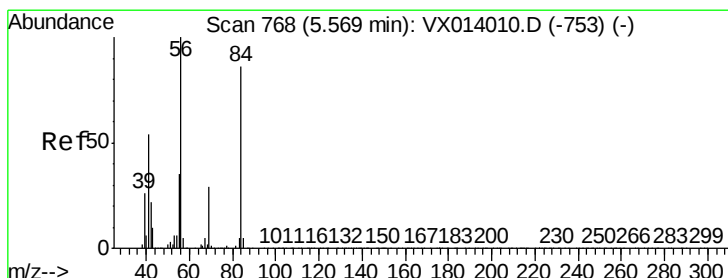
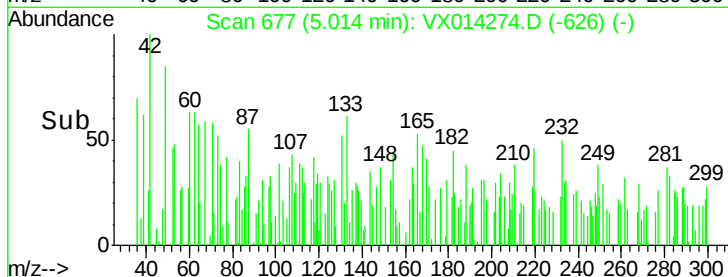
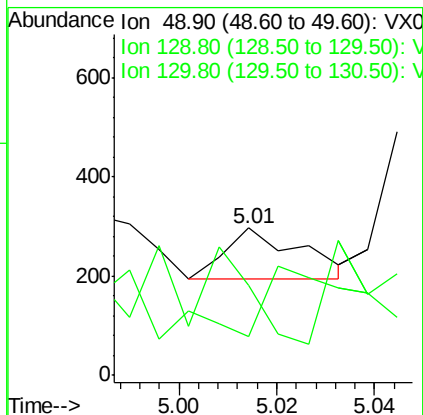
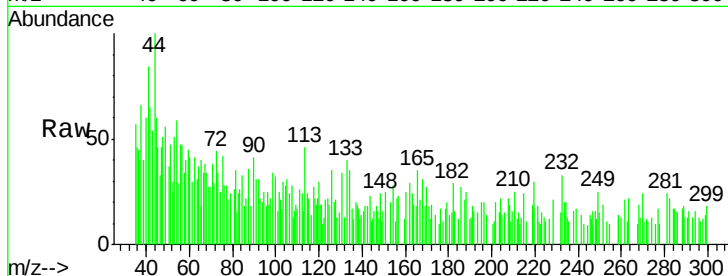
Tgt Ion: 49 Resp: 109

Ion Ratio Lower Upper

49 100

129 162.4 0.0 5.0#

130 0.0 64.6 97.0#



#31

Cyclohexane

Concen: 0.694 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

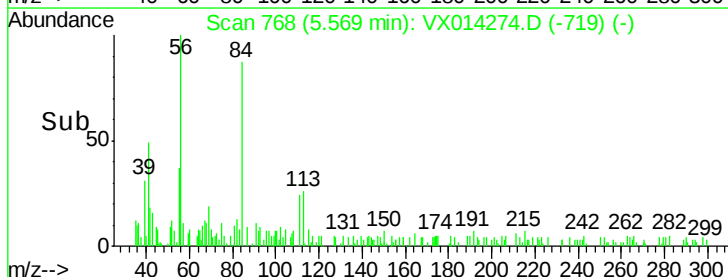
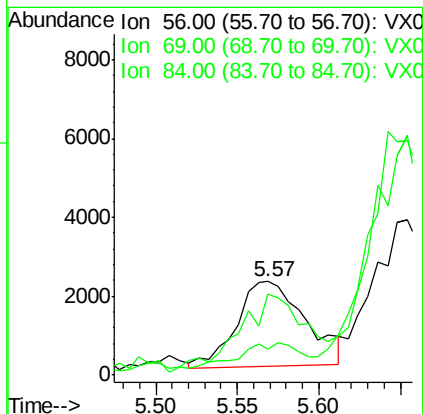
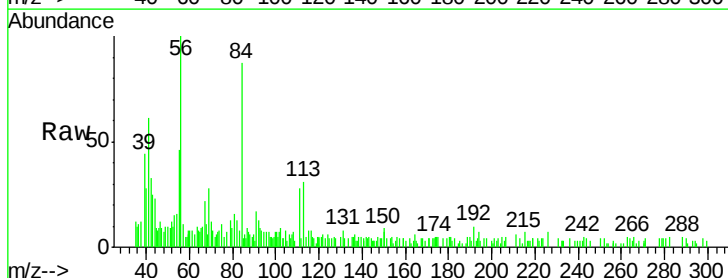
Tgt Ion: 56 Resp: 6241

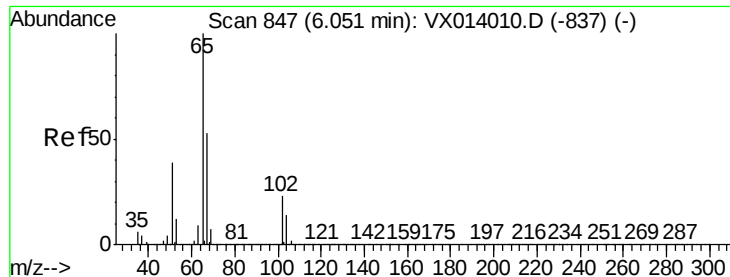
Ion Ratio Lower Upper

56 100

69 27.0 23.2 34.8

84 91.5 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 48.839 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

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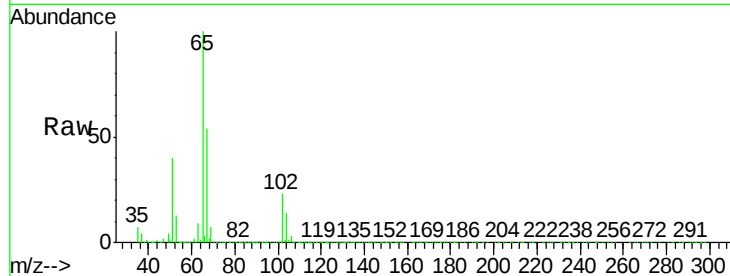
997-MW-16-(22.5)

Tgt Ion: 65 Resp: 293807

Ion Ratio Lower Upper

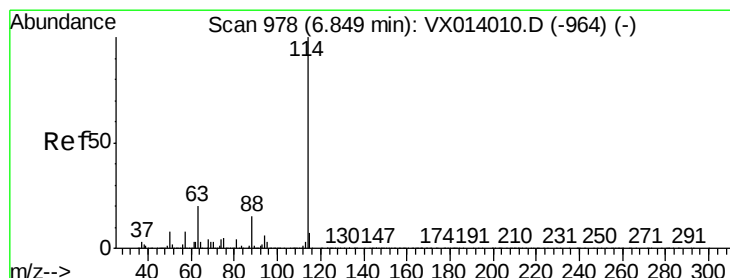
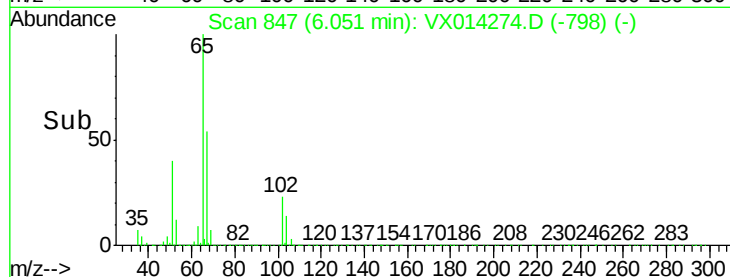
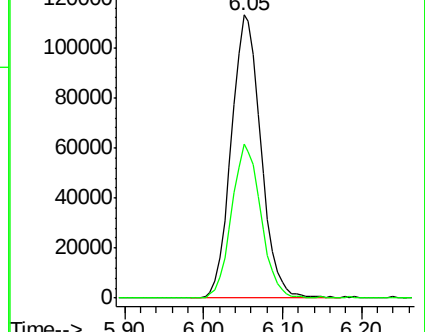
65 100

67 53.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

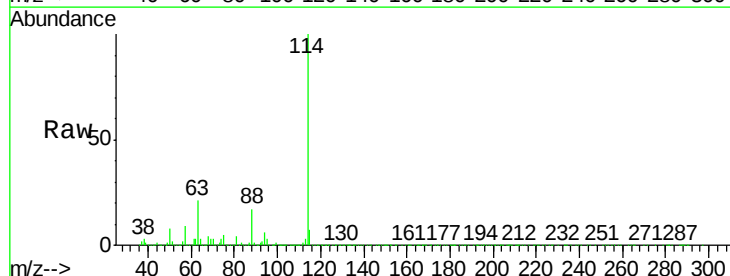
Tgt Ion: 114 Resp: 815830

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

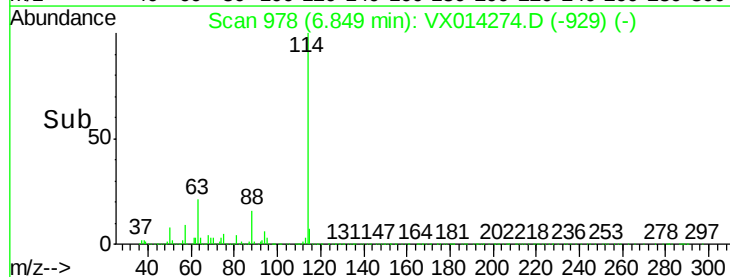
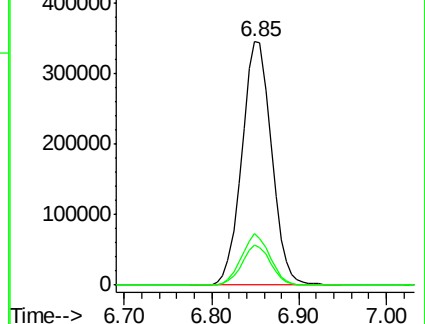
88 16.5 0.0 30.4

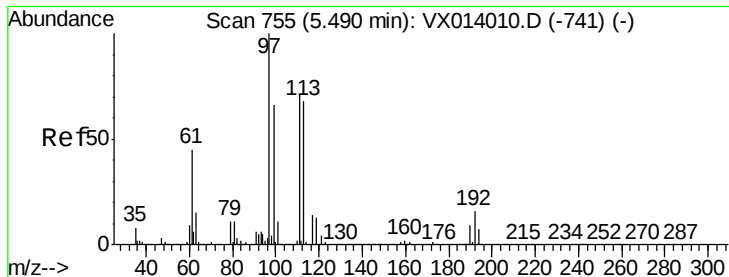


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

997-MW-16-(22.5)

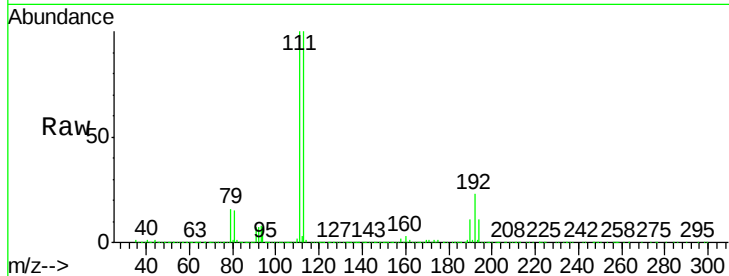
Tgt Ion:113 Resp: 244744

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

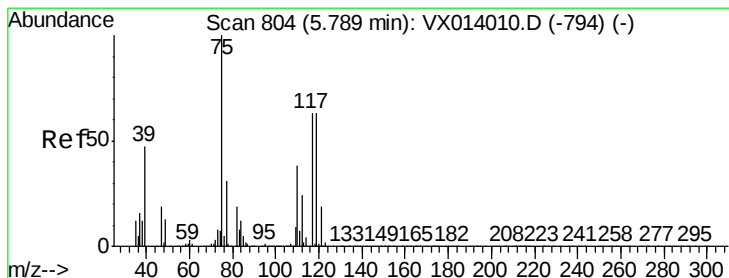
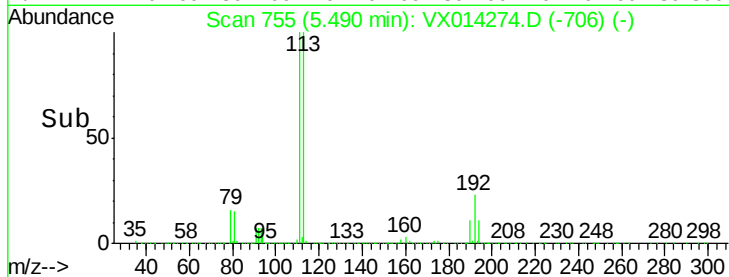
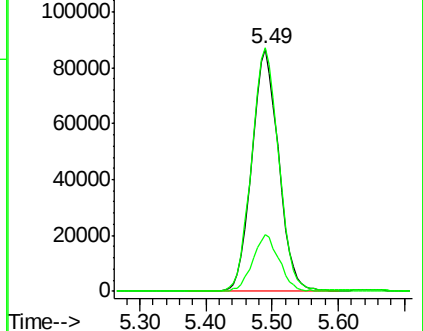
192 23.3 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

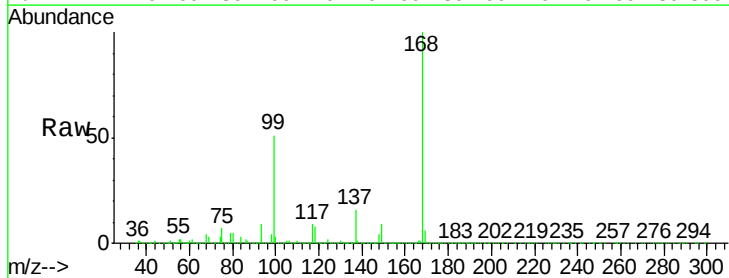
Tgt Ion: 75 Resp: 35876

Ion Ratio Lower Upper

75 100

110 11.9 18.3 54.9#

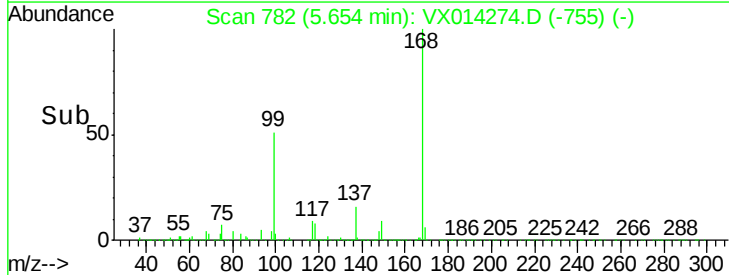
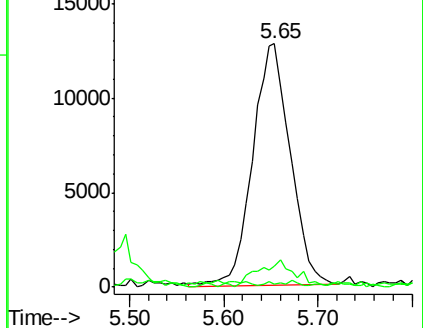
77 0.3 24.8 37.2#

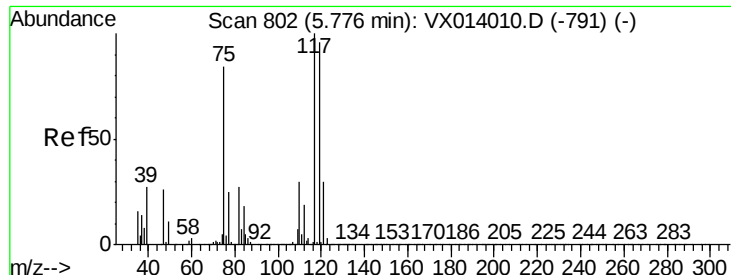


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.892 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

997-MW-16-(22.5)

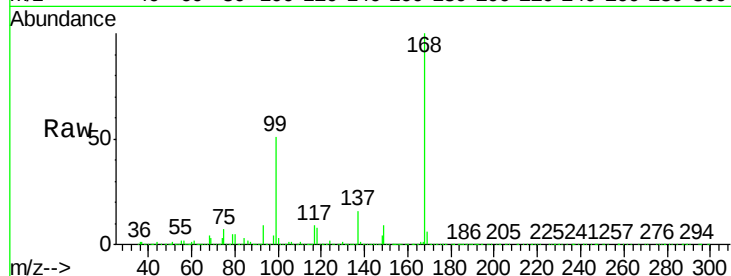
Tgt Ion:117 Resp: 47002

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.4#

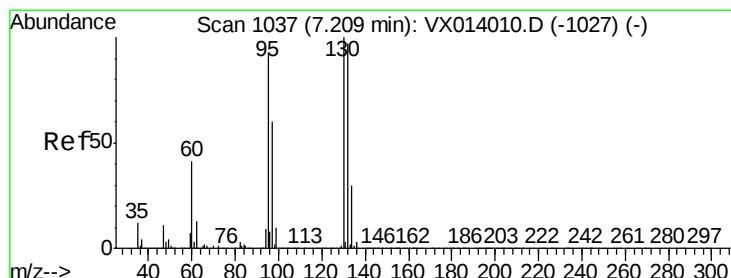
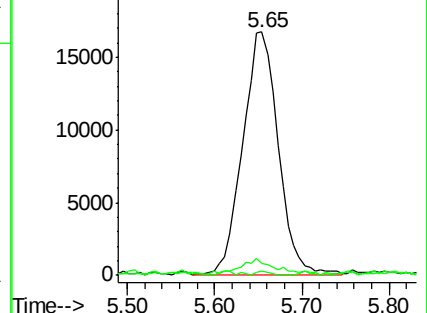
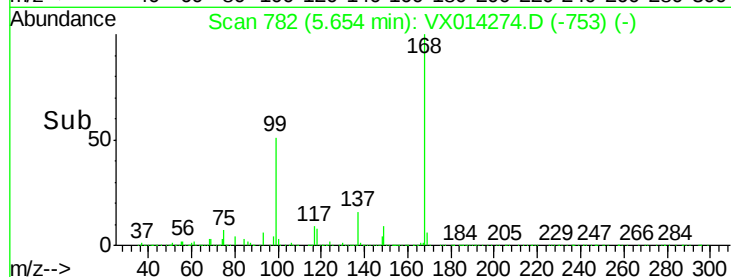
121 1.3 23.6 35.4#



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



#44

Trichloroethene

Concen: 0.615 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014274.D

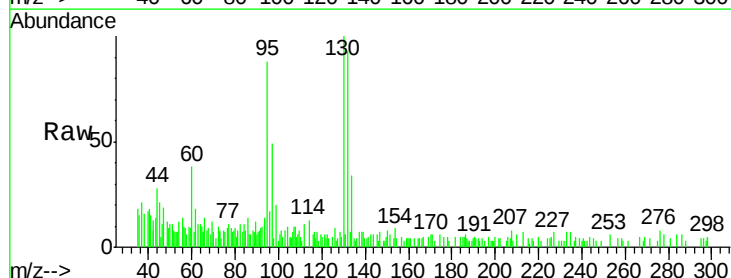
Acq: 26 Dec 2019 17:08

Tgt Ion:130 Resp: 3914

Ion Ratio Lower Upper

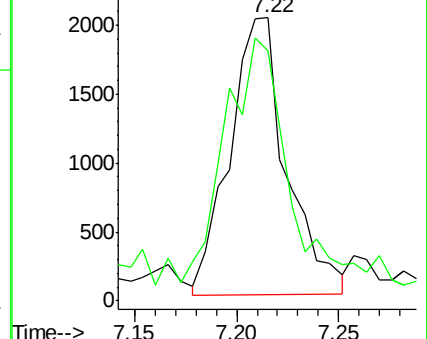
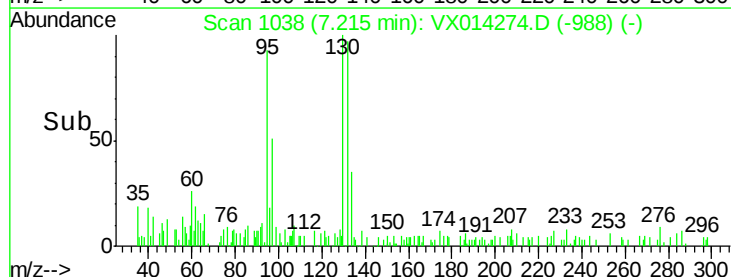
130 100

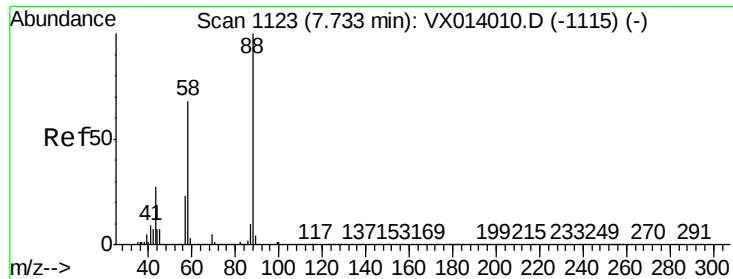
95 79.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

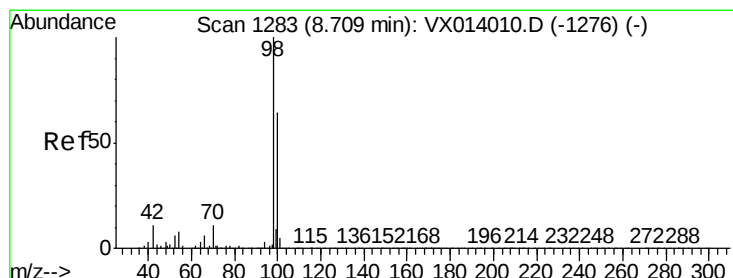
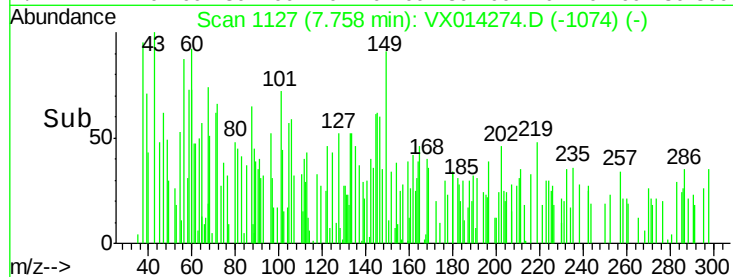
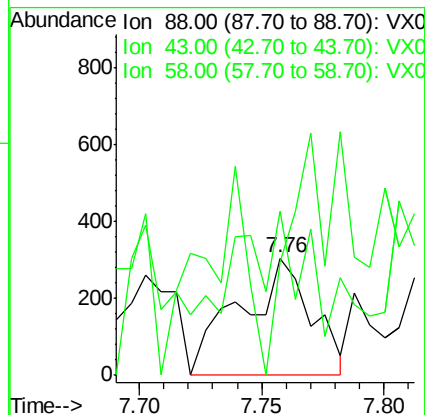
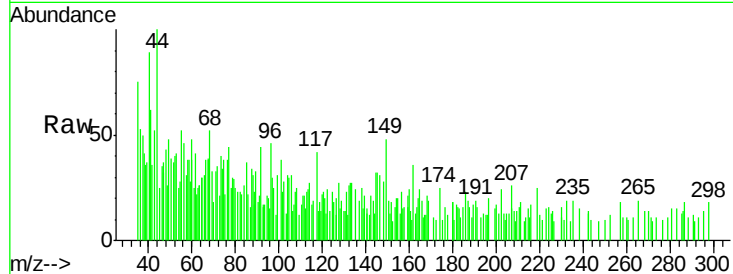




#49
1,4-Dioxane
Concen: 4.533 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

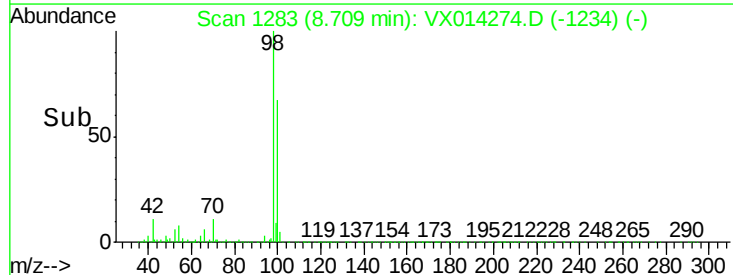
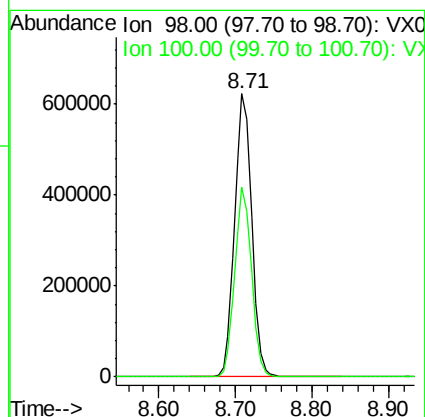
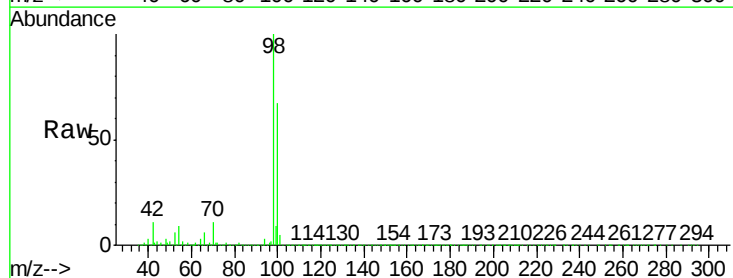
Instrument :
MSVOA_X
ClientSampleId :
997-MW-16-(22.5)

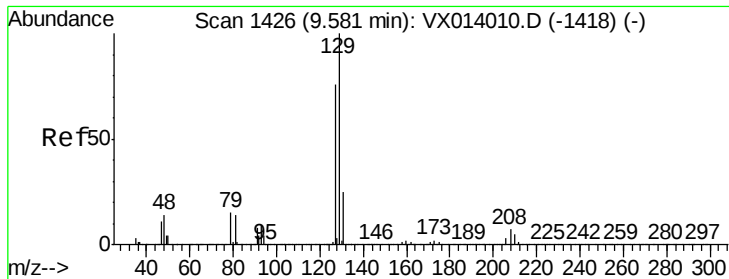
Tgt Ion: 88 Resp: 618
Ion Ratio Lower Upper
88 100
43 110.0 26.5 39.7#
58 31.1 56.8 85.2#



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

Tgt Ion: 98 Resp: 968395
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#60

Dibromochloromethane

Concen: 2.486 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

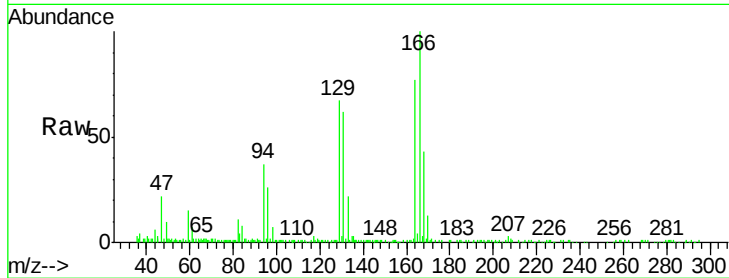
997-MW-16-(22.5)

Tgt Ion:129 Resp: 14419

Ion Ratio Lower Upper

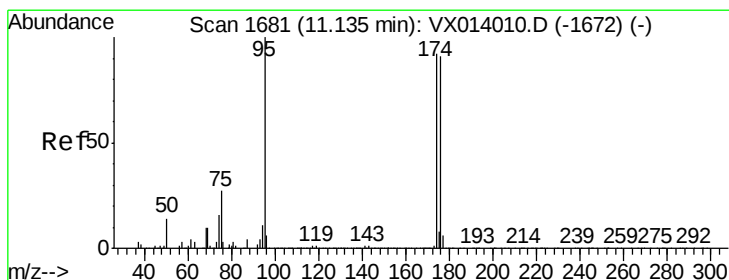
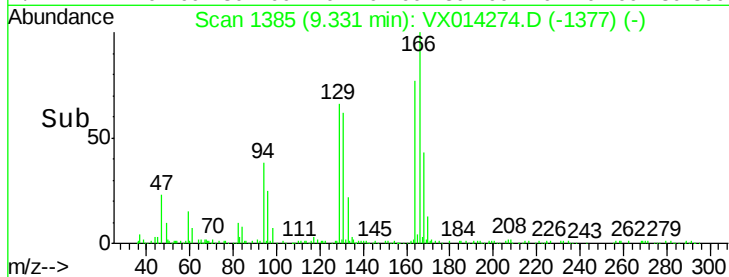
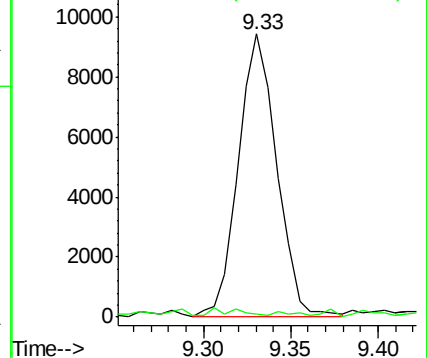
129 100

127 0.5 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.755 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

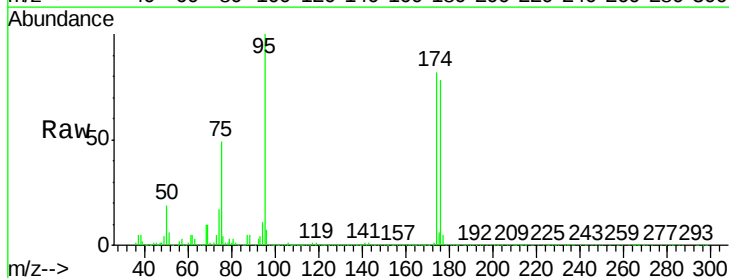
Tgt Ion: 95 Resp: 322937

Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.8

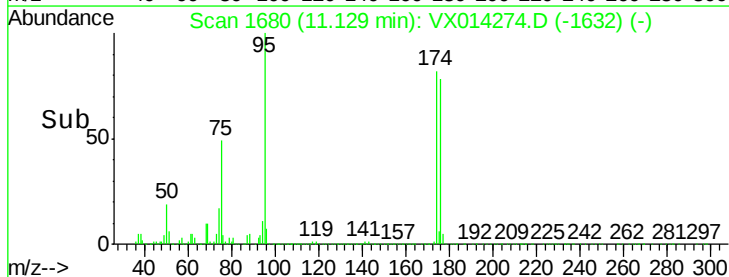
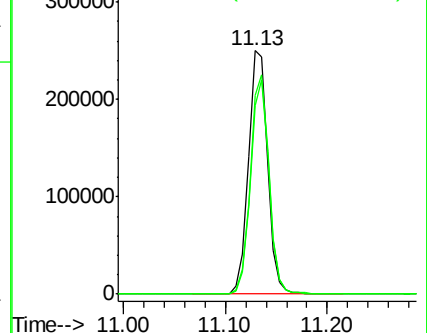
176 85.2 0.0 173.0

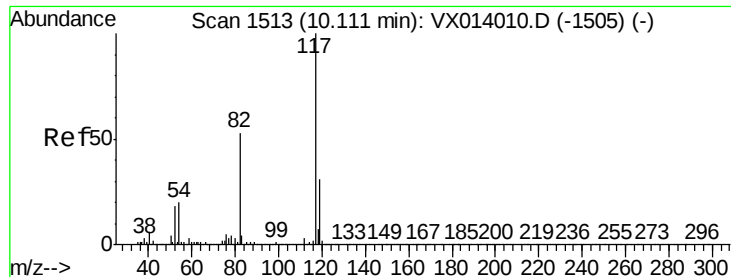


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

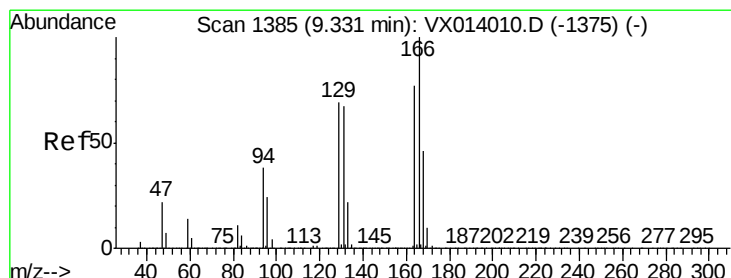
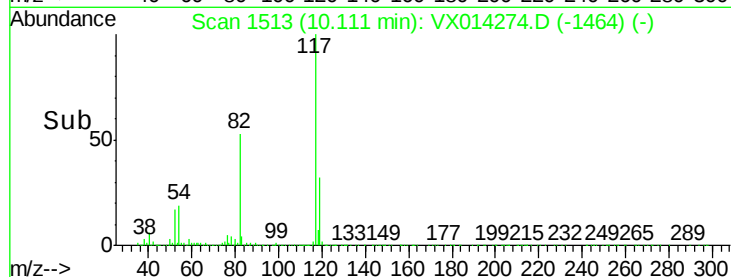
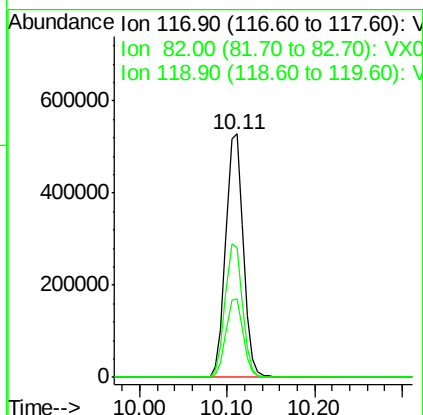
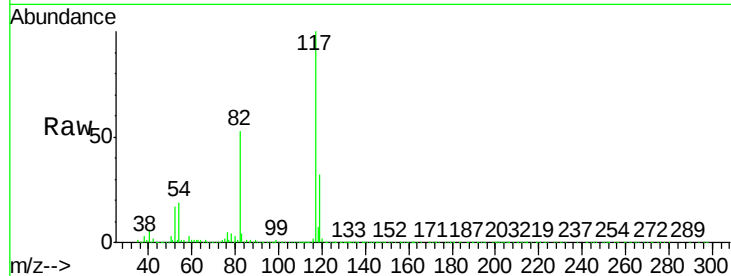




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

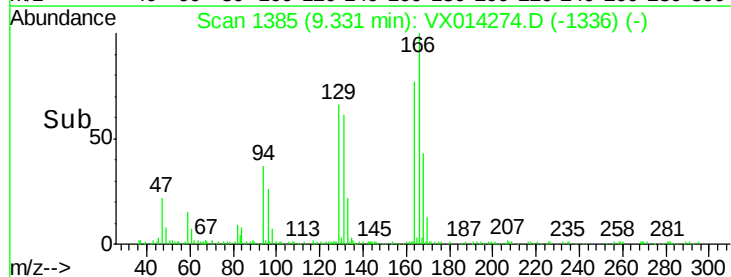
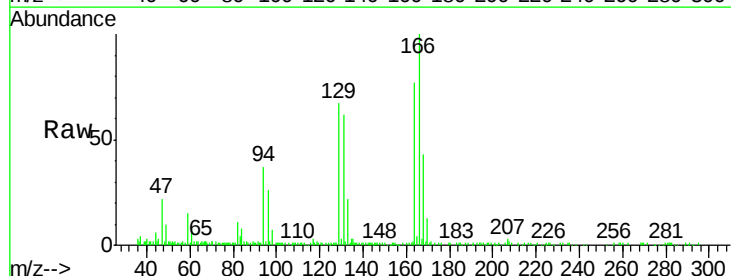
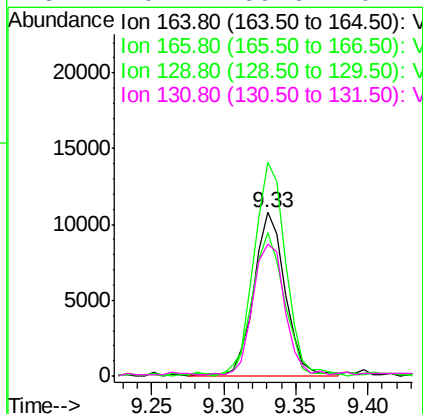
Instrument :
MSVOA_X
ClientSampleId :
997-MW-16-(22.5)

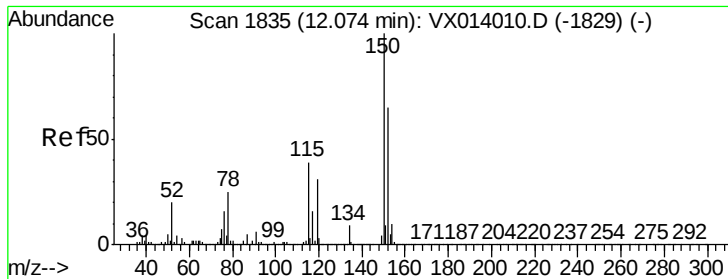
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	32.4	25.1	37.7



#64
Tetrachloroethene
Concen: 2.503 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014274.D
Acq: 26 Dec 2019 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	104.0	156.0
129	86.4	72.2	108.4
131	79.2	69.6	104.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

997-MW-16-(22.5)

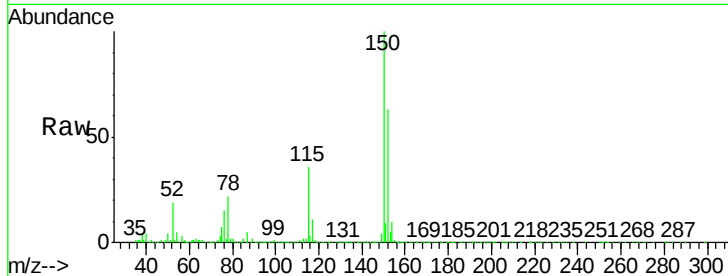
Tgt Ion: 152 Resp: 317706

Ion Ratio Lower Upper

152 100

115 55.5 38.3 114.9

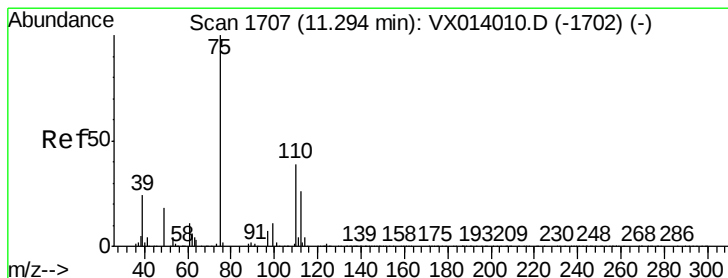
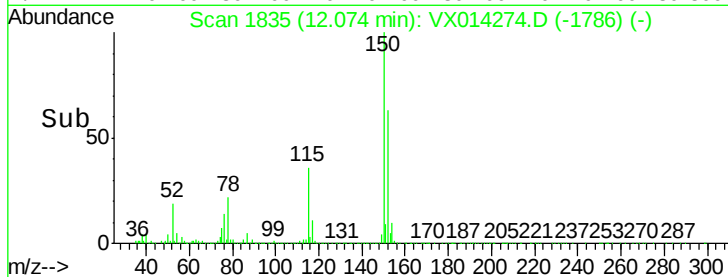
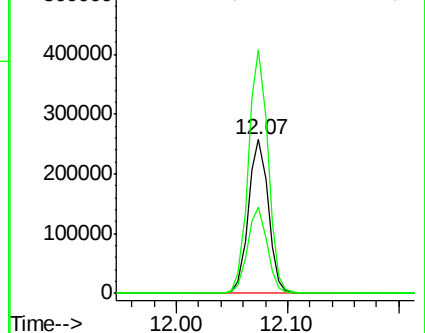
150 156.5 0.0 345.4



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: 22.560 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014274.D

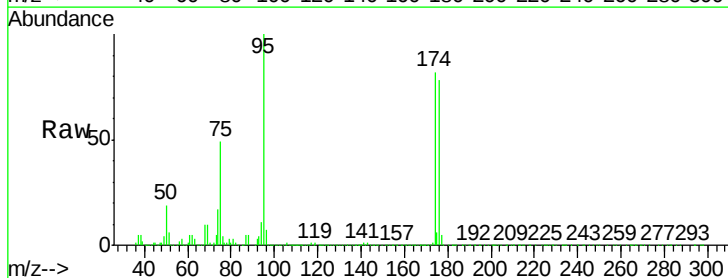
Acq: 26 Dec 2019 17:08

Tgt Ion: 75 Resp: 155607

Ion Ratio Lower Upper

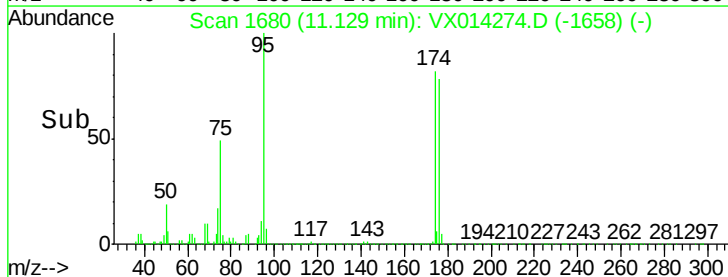
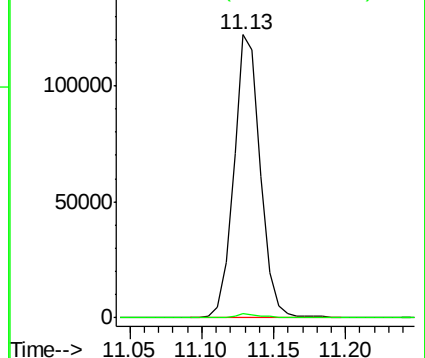
75 100

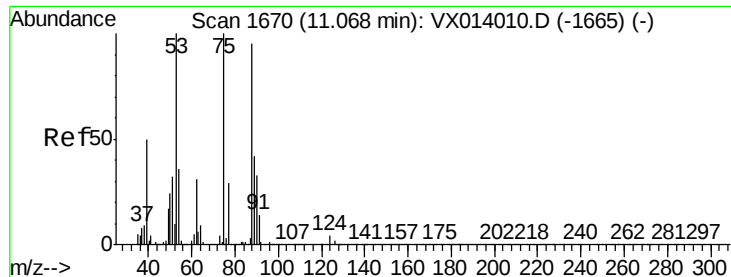
77 1.5 19.3 57.8#



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: 63.677 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014274.D

Acq: 26 Dec 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

997-MW-16-(22.5)

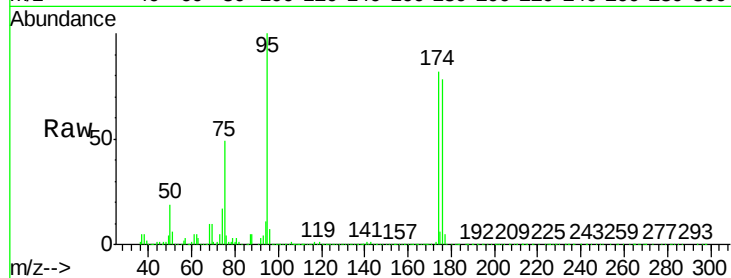
Tgt Ion: 75 Resp: 155607

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.3 34.6 51.8#



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

