

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014276.D
 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1000-MW-19-(28)

Quant Time: Dec 27 06:04:18 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	532412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	820686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	300179	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
35) Dibromofluoromethane	5.49	113	245448	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	984854	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.14	95	322687	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

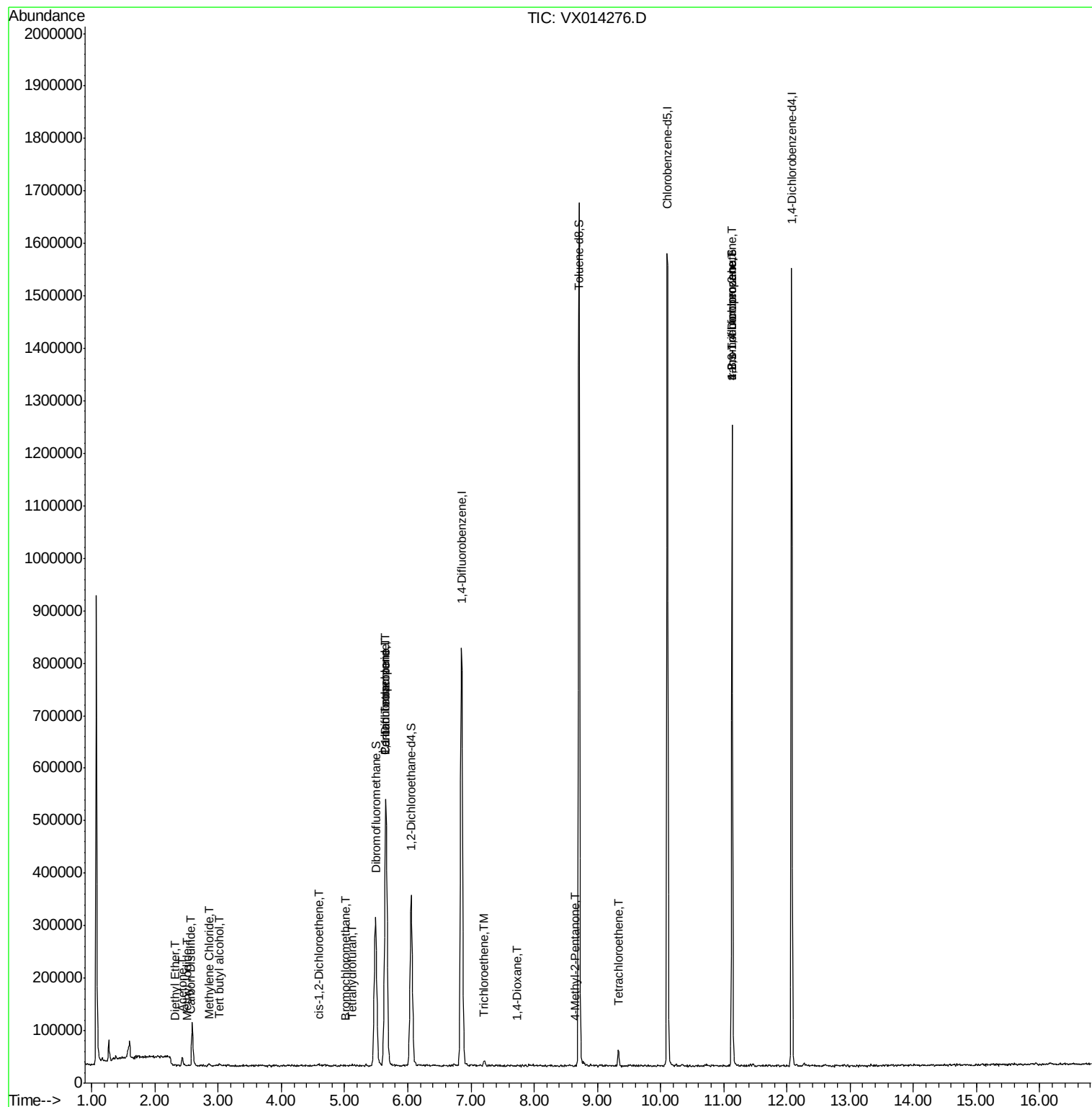
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.31	74	792	0.202	ug/l	68
10) Methyl Iodide	2.50	142	665	2.716	ug/l #	52
11) Tert butyl alcohol	3.02	59	6717	5.152	ug/l #	89
16) Acetone	2.43	43	18283	4.667	ug/l	98
17) Carbon Disulfide	2.56	76	1231	0.835	ug/l #	75
20) Methylene Chloride	2.85	84	2931	0.475	ug/l	85
27) cis-1,2-Dichloroethene	4.59	96	3159	0.495	ug/l	69
28) Bromochloromethane	5.01	49	255	0.519	ug/l #	7
29) Tetrahydrofuran	5.13	42	873	0.323	ug/l #	34
36) 1,1-Dichloropropene	5.65	75	36928	4.904	ug/l #	52
38) Carbon Tetrachloride	5.65	117	46398	6.764	ug/l #	17
44) Trichloroethene	7.22	130	4429	0.692	ug/l	76
49) 1,4-Dioxane	7.73	88	146	1.065	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1993	0.231	ug/l	99
64) Tetrachloroethene	9.33	164	7060	1.086	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	158307	22.972	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	158307	64.839	ug/l #	12

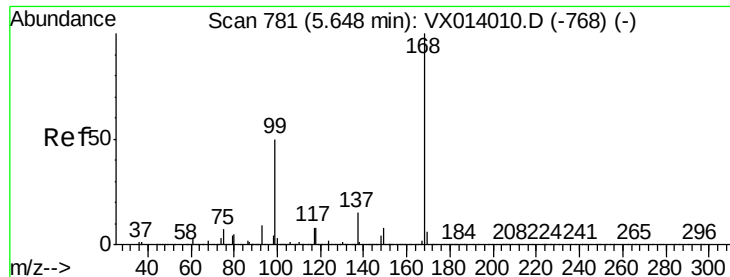
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

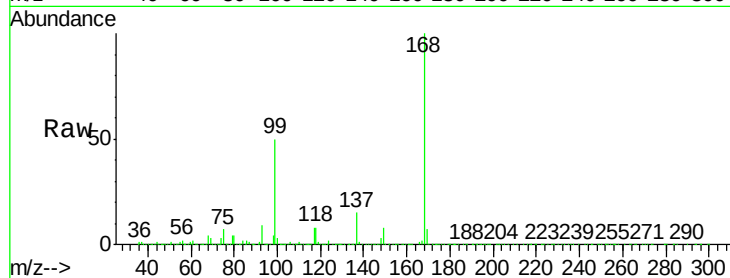
1000-MW-19-(28)

Tgt Ion:168 Resp: 532412

Ion Ratio Lower Upper

168 100

99 49.5 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

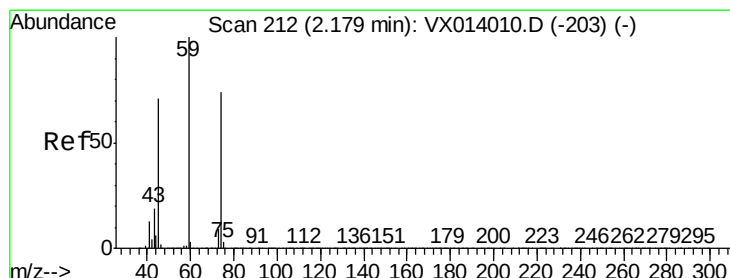
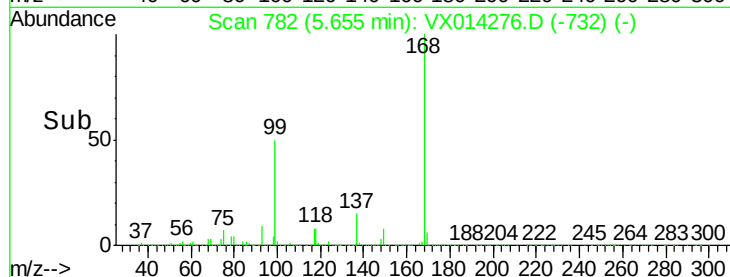
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.13 min

Lab File: VX014276.D

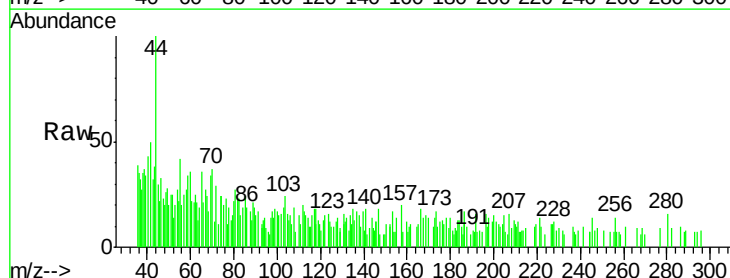
Acq: 26 Dec 2019 17:54

Tgt Ion: 74 Resp: 792

Ion Ratio Lower Upper

74 100

45 64.9 48.1 144.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.31

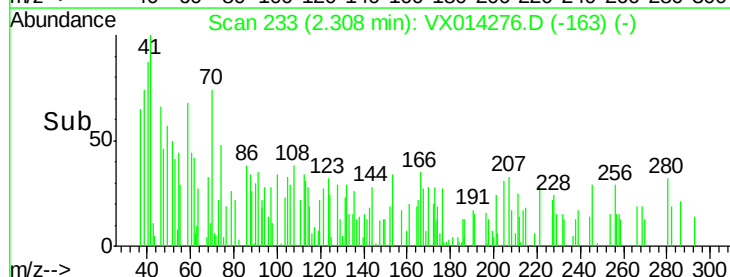
600

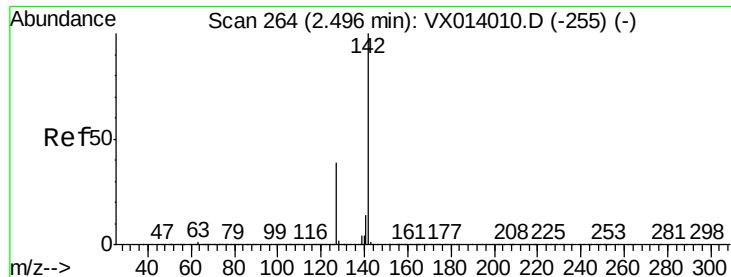
400

200

0

Time-->





#10

Methyl Iodide

Concen: 2.716 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

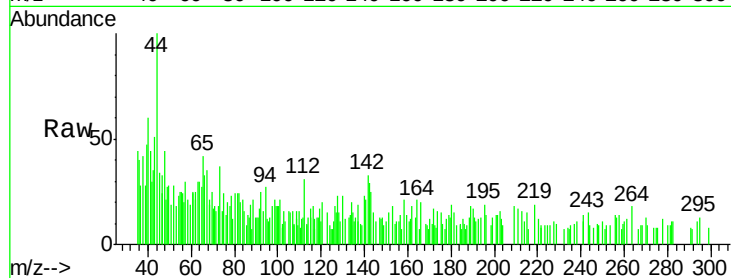
Tgt Ion: 142 Resp: 665

Ion Ratio Lower Upper

142 100

127 57.9 31.6 47.4#

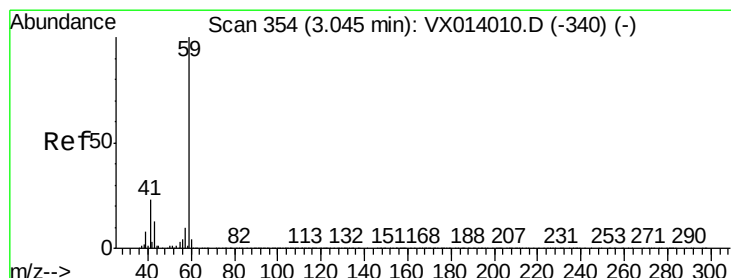
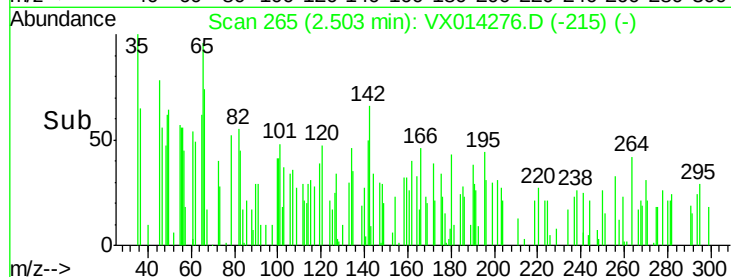
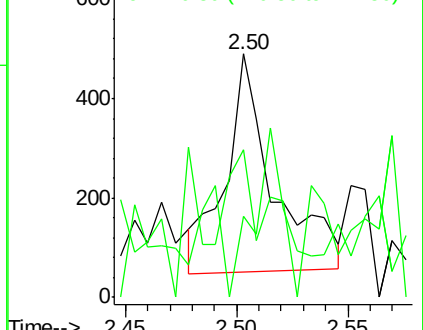
141 54.1 11.6 17.4#



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: 5.152 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014276.D

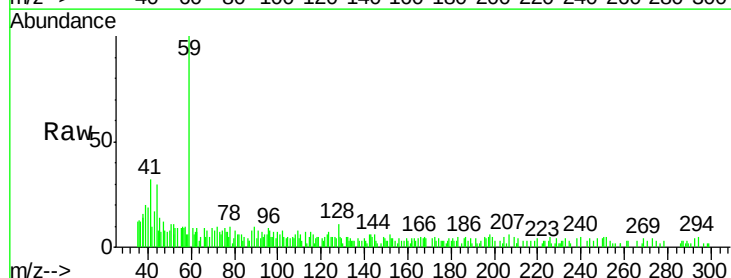
Acq: 26 Dec 2019 17:54

Tgt Ion: 59 Resp: 6717

Ion Ratio Lower Upper

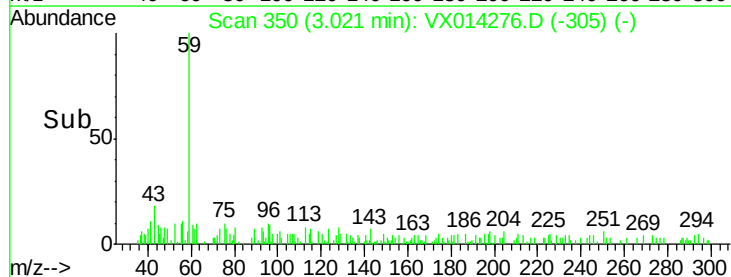
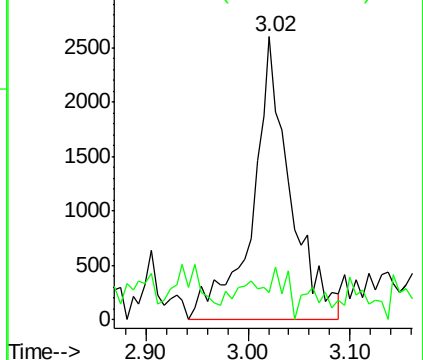
59 100

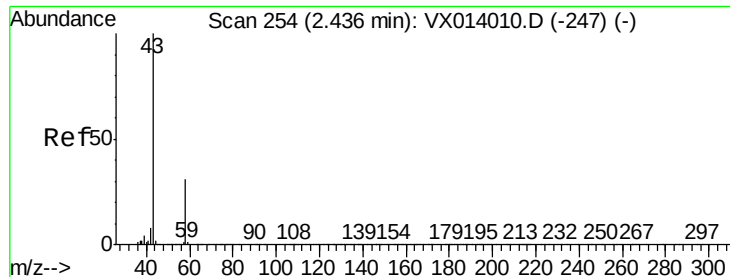
57 6.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.667 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

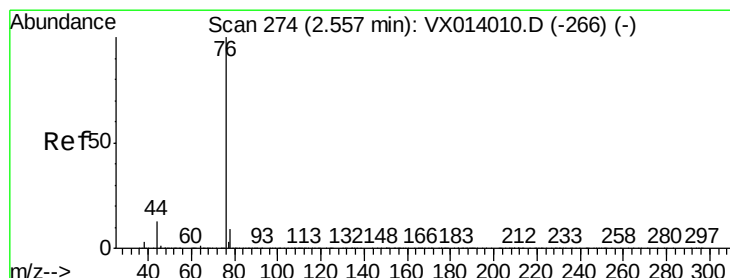
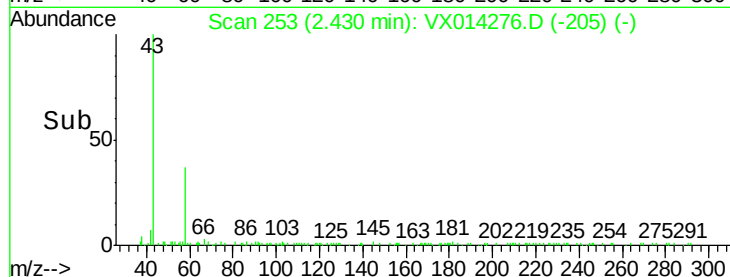
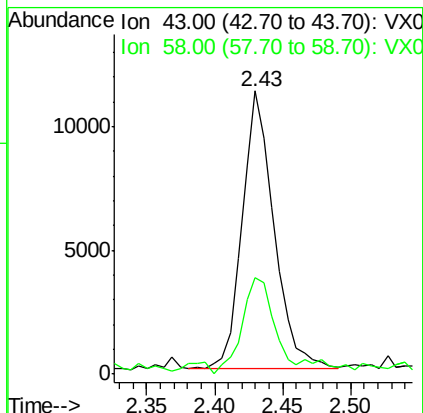
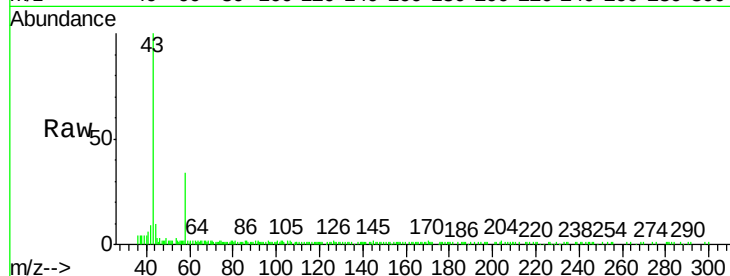
1000-MW-19-(28)

Tgt Ion: 43 Resp: 18283

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3



#17

Carbon Disulfide

Concen: 0.835 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014276.D

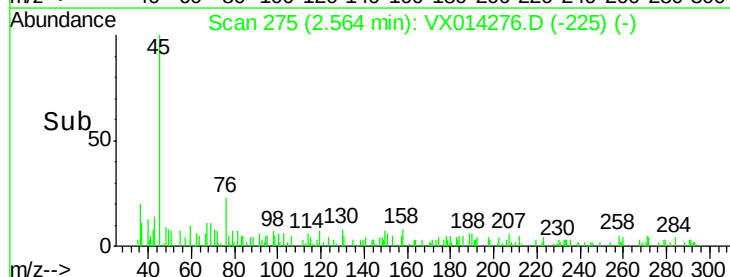
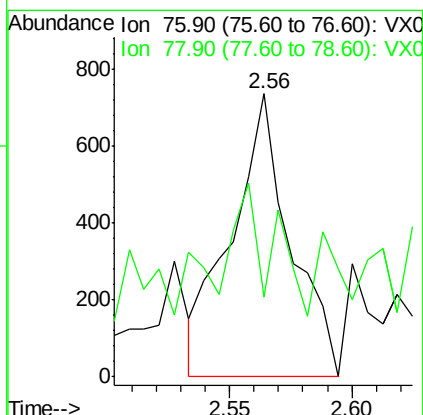
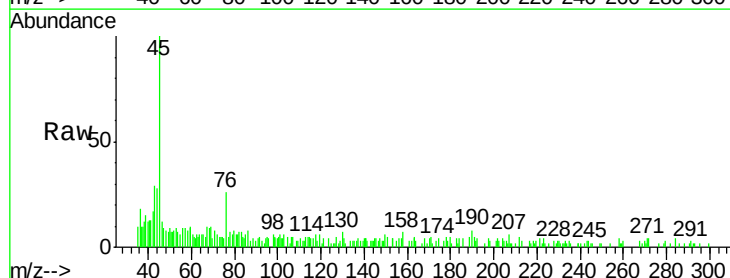
Acq: 26 Dec 2019 17:54

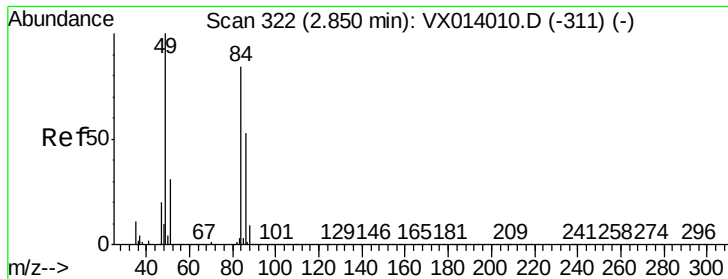
Tgt Ion: 76 Resp: 1231

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

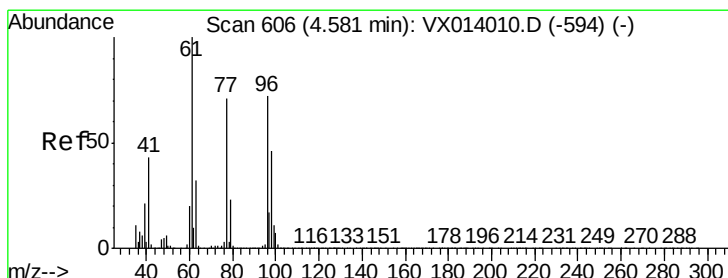
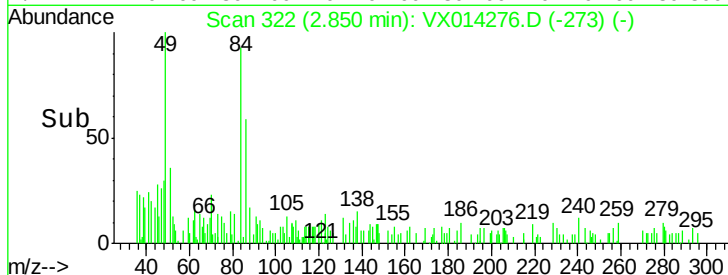
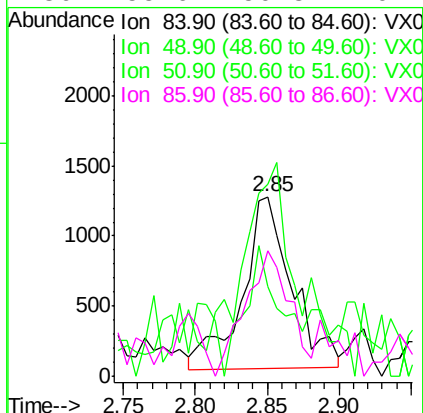
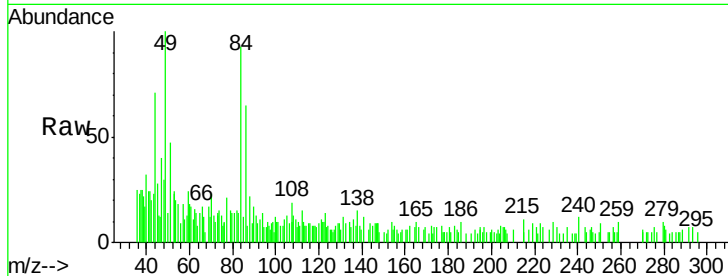




#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014276.D
Acq: 26 Dec 2019 17:54

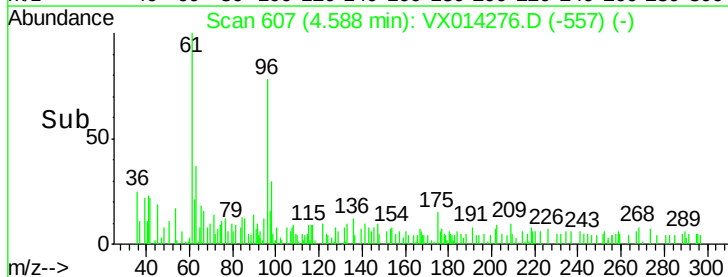
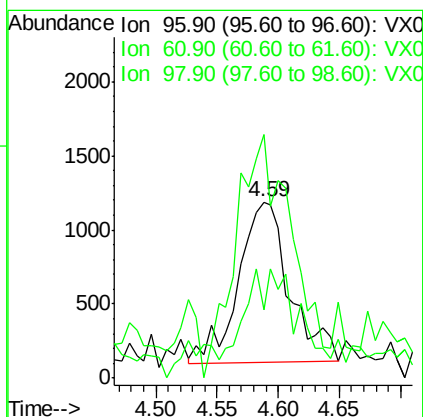
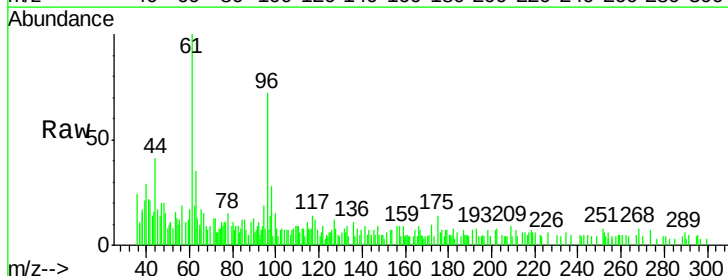
Instrument :
MSVOA_X
ClientSampleId :
1000-MW-19-(28)

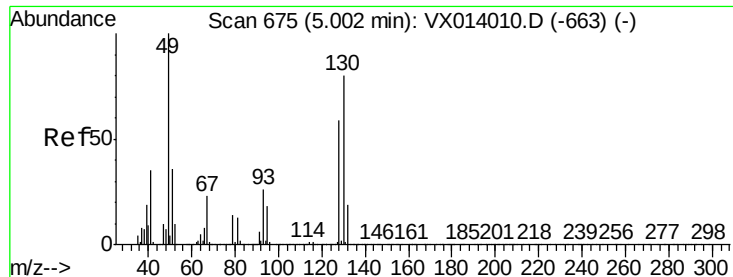
Tgt Ion:	84	Resp:	2931
Ion	Ratio	Lower	Upper
84	100		
49	97.9	95.8	143.6
51	41.1	29.8	44.8
86	55.6	50.8	76.2



#27
cis-1,2-Dichloroethene
Concen: 0.495 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014276.D
Acq: 26 Dec 2019 17:54

Tgt Ion:	96	Resp:	3159
Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	288.4
98	20.3	0.0	129.6





#28

Bromochloromethane

Concen: 0.519 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

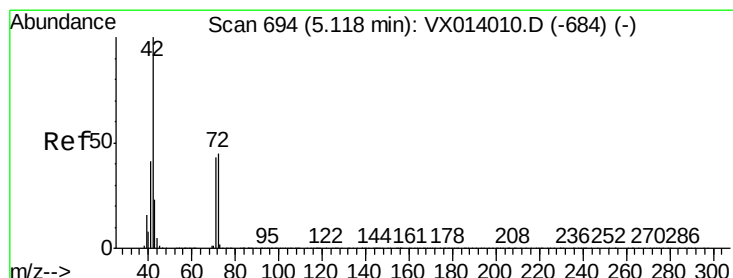
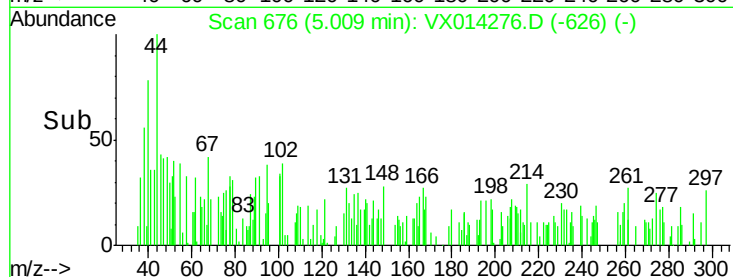
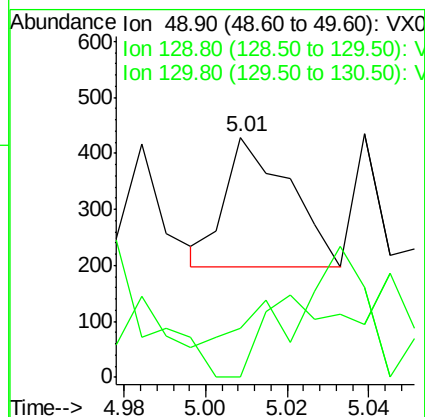
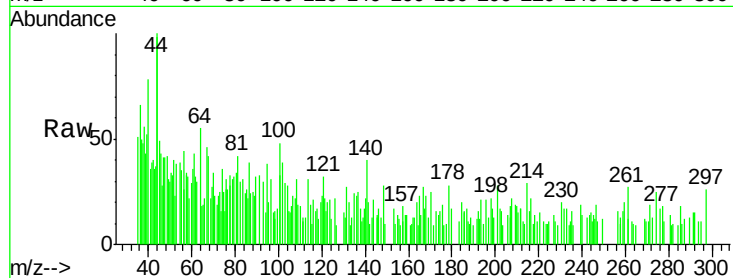
Tgt Ion: 49 Resp: 255

Ion Ratio Lower Upper

49 100

129 52.9 0.0 5.0#

130 0.0 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

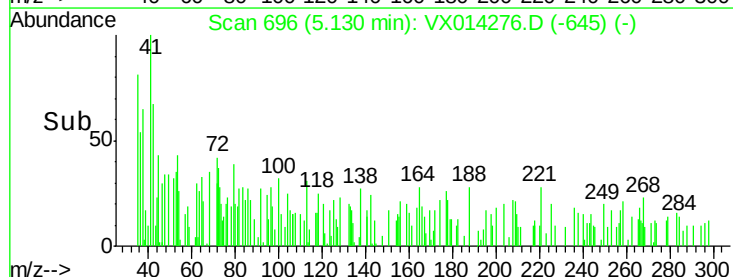
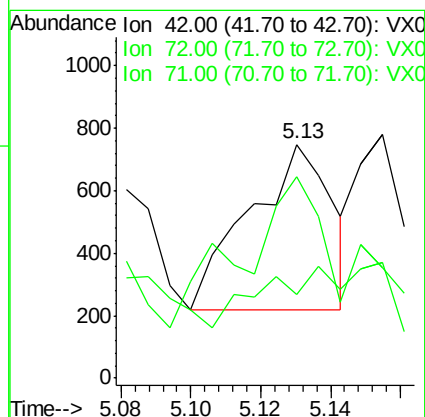
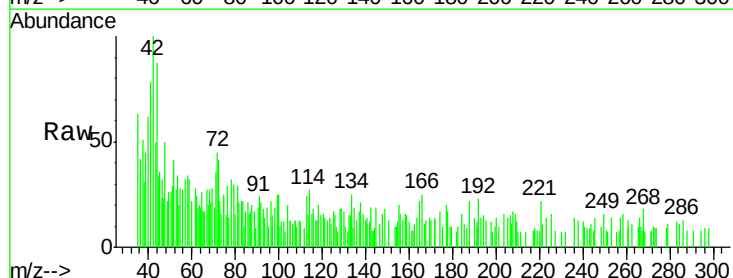
Tgt Ion: 42 Resp: 873

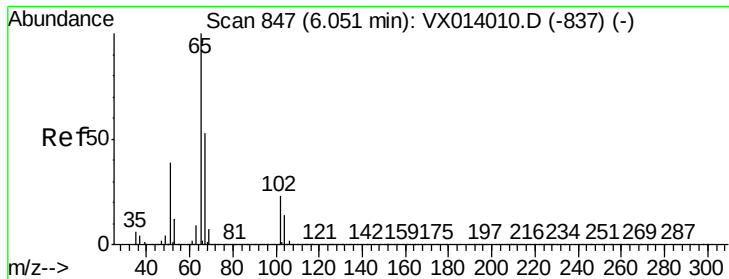
Ion Ratio Lower Upper

42 100

72 88.0 35.8 53.8#

71 0.0 33.6 50.4#

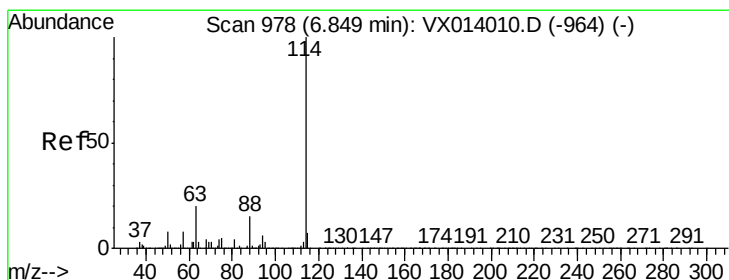
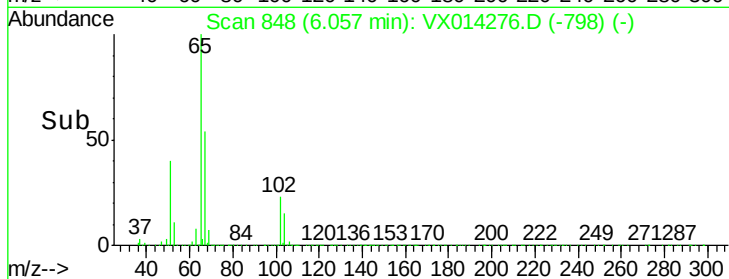
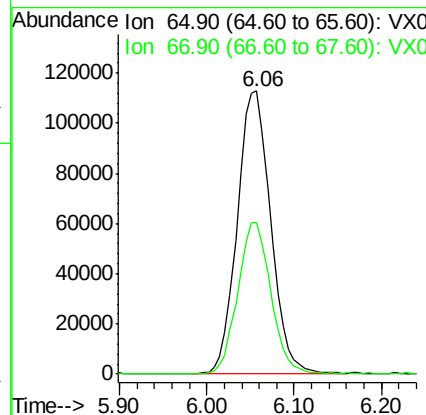
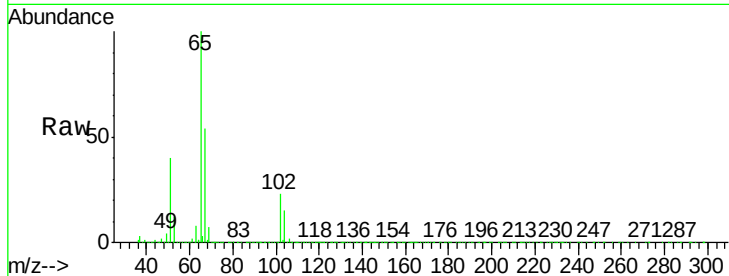




#33
 1,2-Dichloroethane-d4
 Concen: 49.747 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

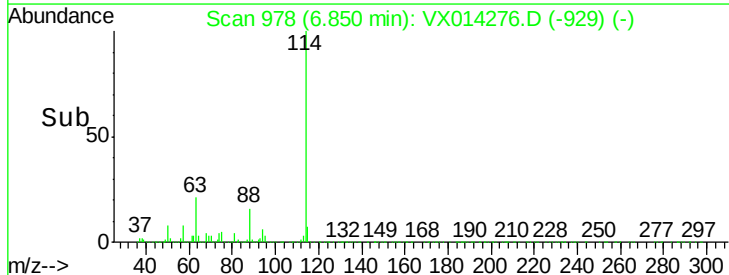
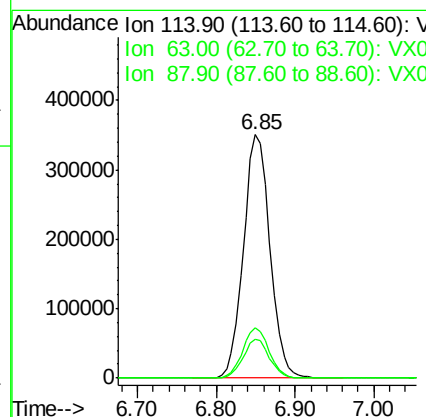
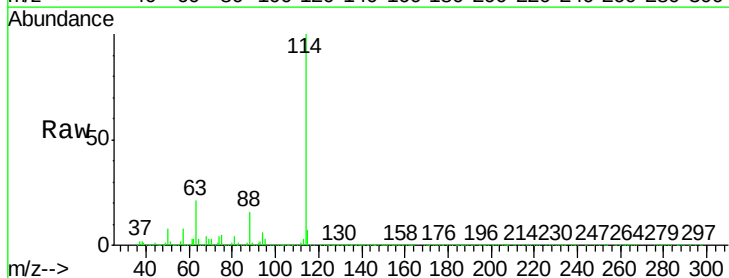
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 1000-MW-19-(28)

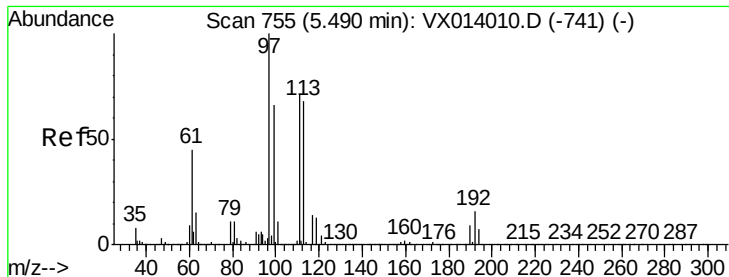
Tgt Ion: 65 Resp: 300179
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion: 114 Resp: 820686
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.199 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

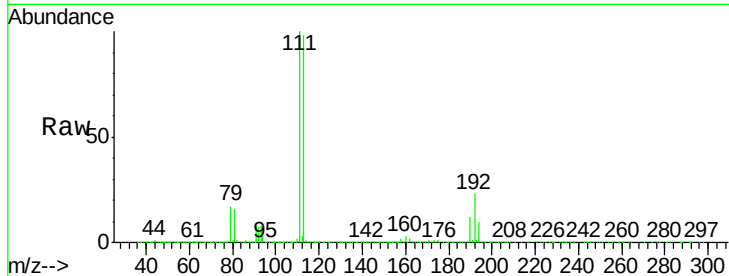
Tgt Ion:113 Resp: 245448

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

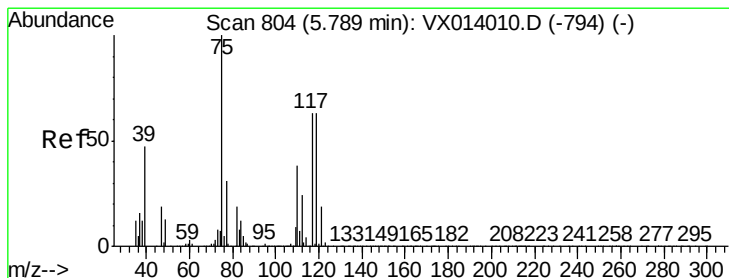
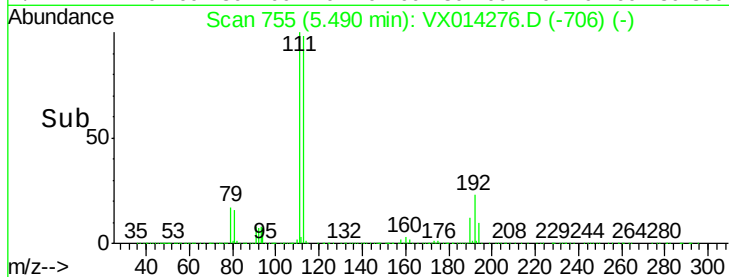
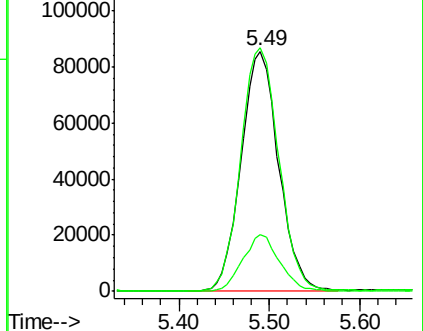
192 23.4 19.3 28.9



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: 4.904 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

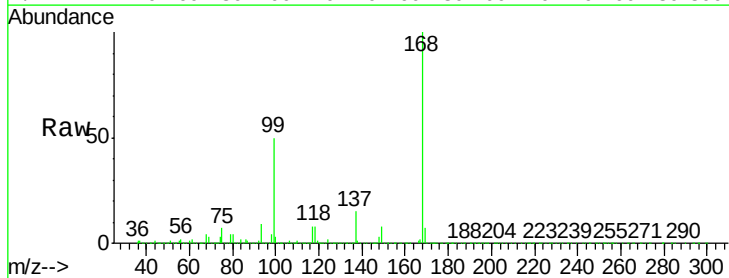
Tgt Ion: 75 Resp: 36928

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.9#

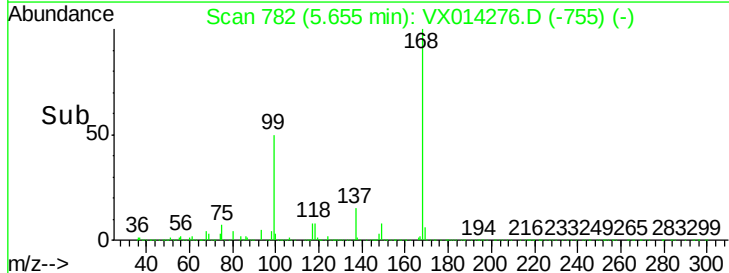
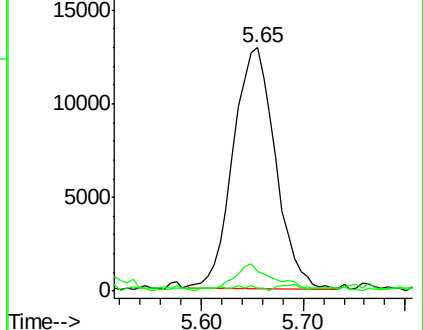
77 1.7 24.8 37.2#

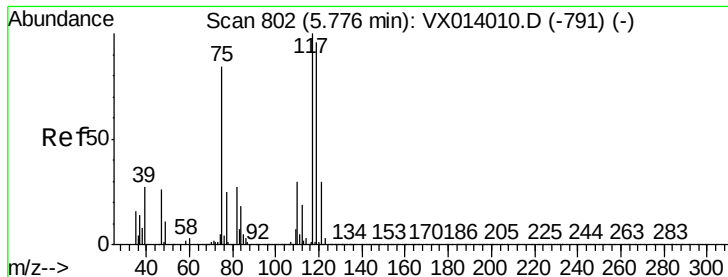


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.764 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

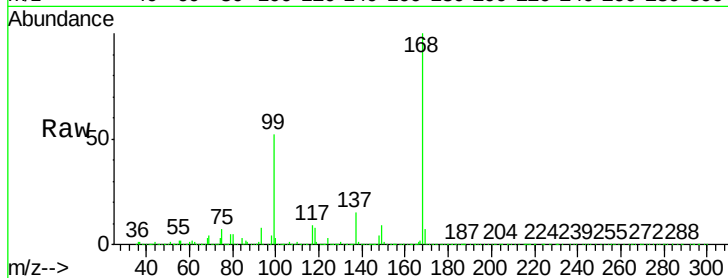
Tgt Ion:117 Resp: 46398

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

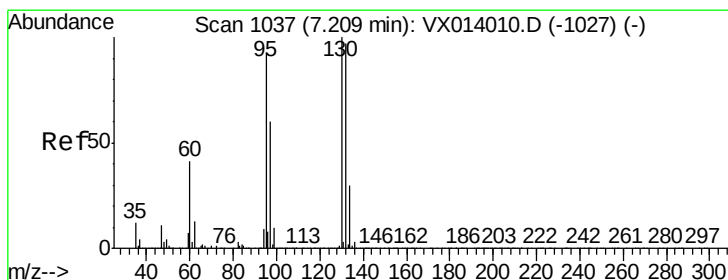
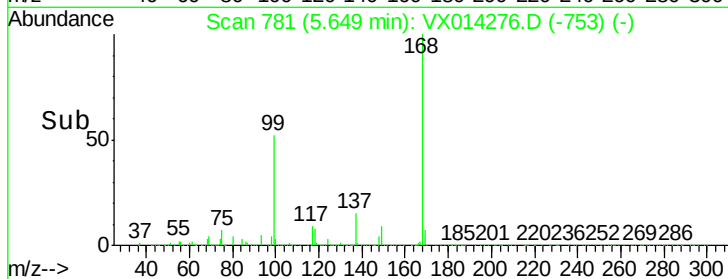
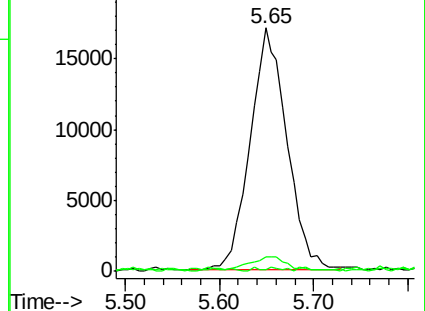
121 0.0 23.6 35.4#



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: 0.692 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014276.D

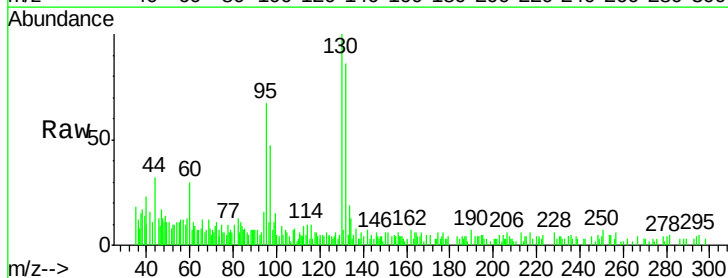
Acq: 26 Dec 2019 17:54

Tgt Ion:130 Resp: 4429

Ion Ratio Lower Upper

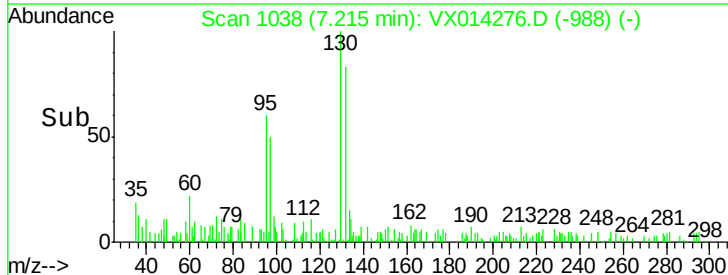
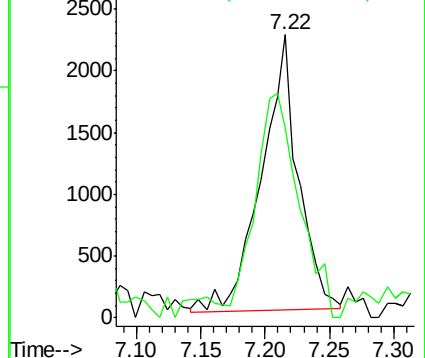
130 100

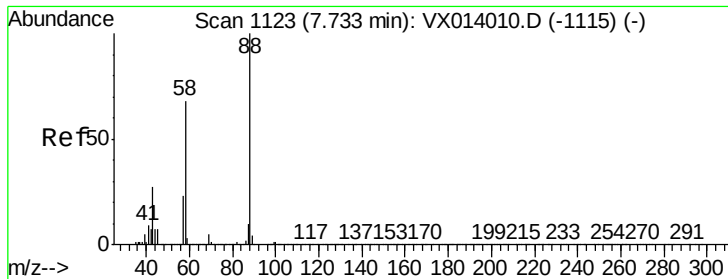
95 69.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.065 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

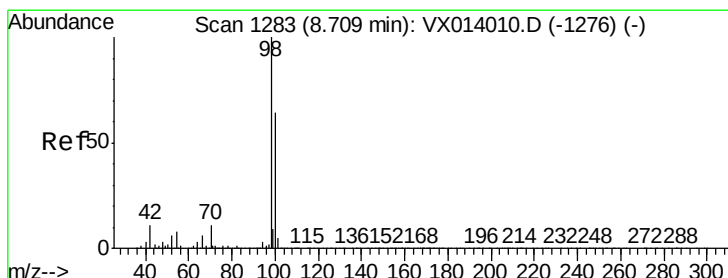
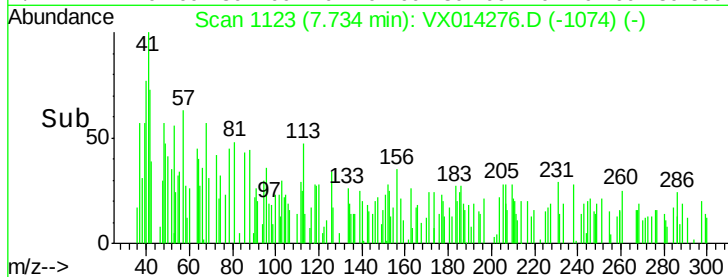
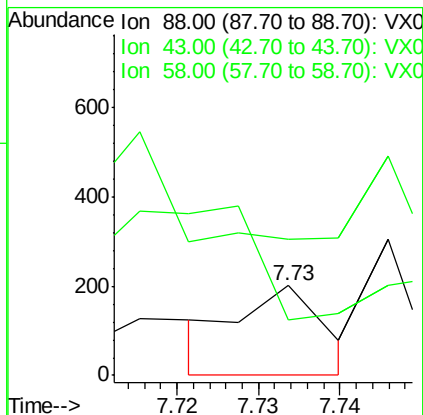
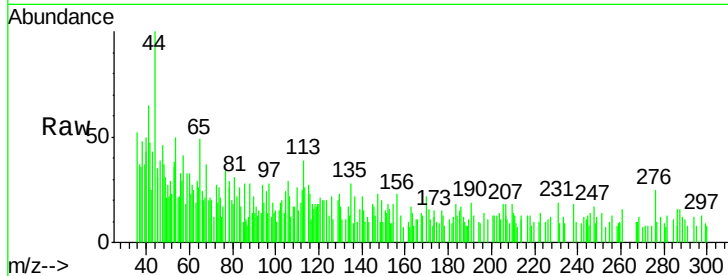
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 536.3 26.5 39.7#

58 202.1 56.8 85.2#



#50

Toluene-d8

Concen: 50.706 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014276.D

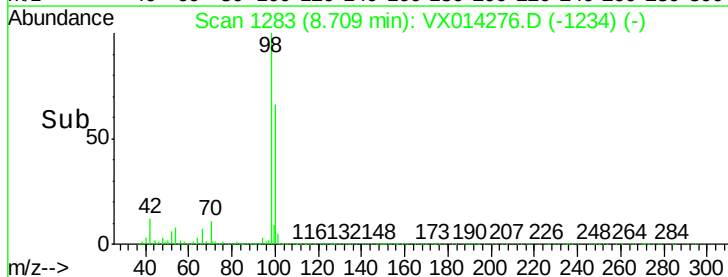
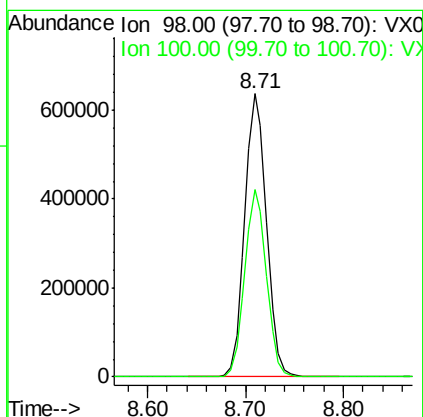
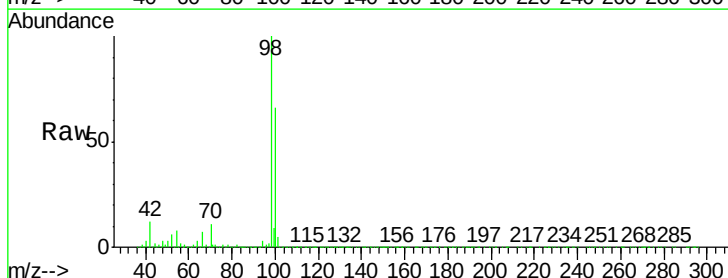
Acq: 26 Dec 2019 17:54

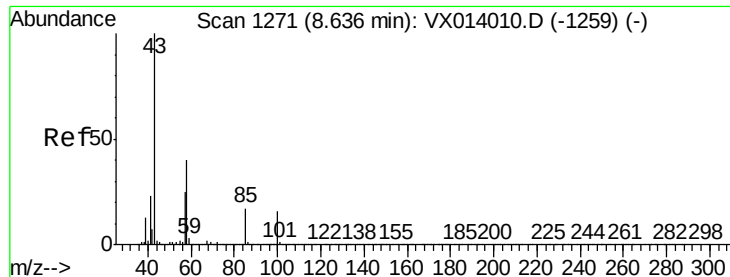
Tgt Ion: 98 Resp: 984854

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3

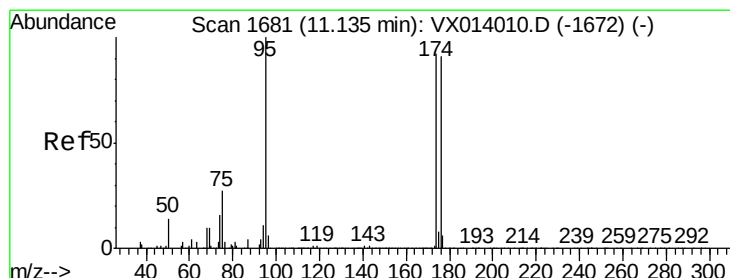
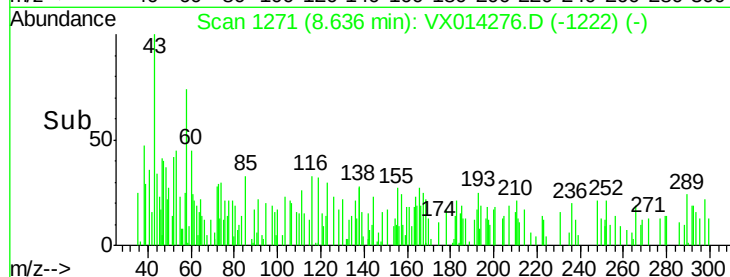
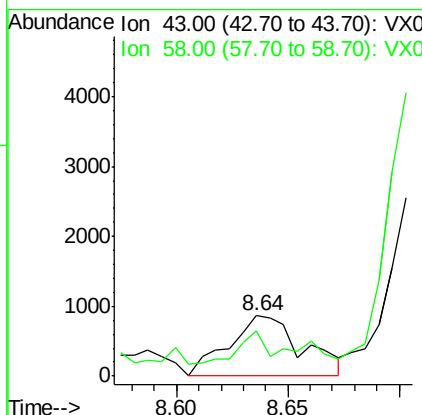
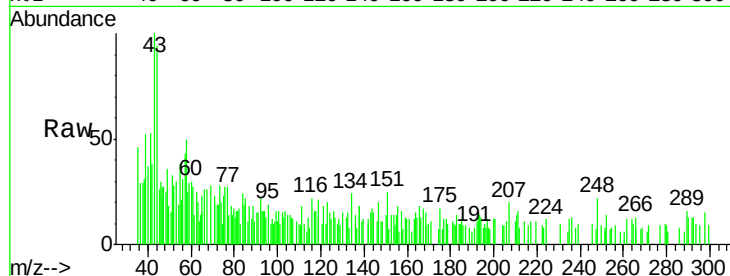




#51
 4-Methyl-2-Pentanone
 Concen: 0.231 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

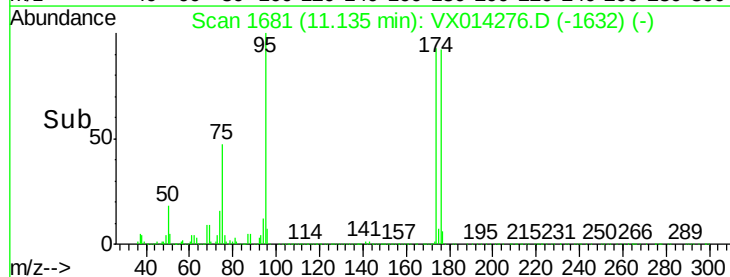
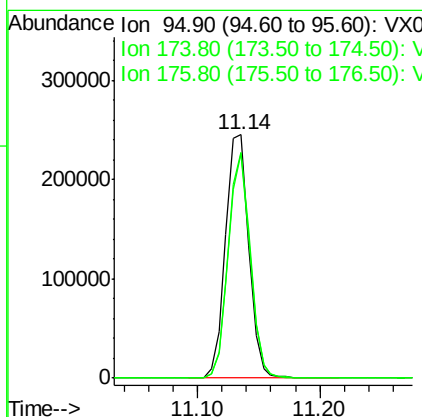
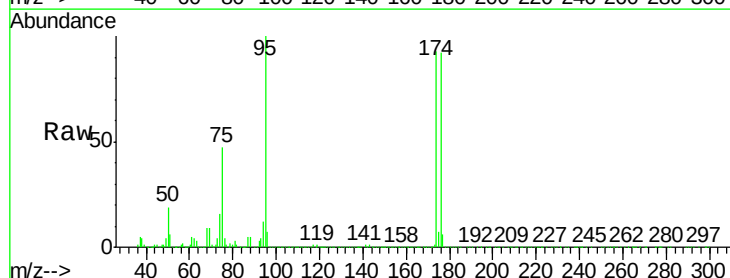
Instrument :
 MSVOA_X
 ClientSampleId :
 1000-MW-19-(28)

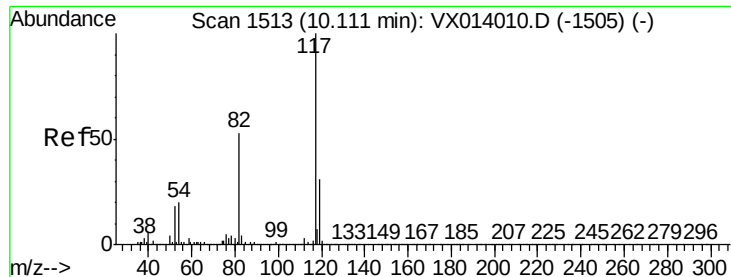
Tgt Ion: 43 Resp: 1993
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.2 48.2



#62
 4-Bromofluorobenzene
 Concen: 45.449 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion: 95 Resp: 322687
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 175.8
 176 86.1 0.0 173.0

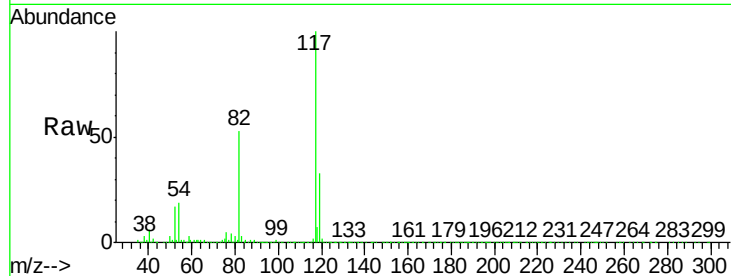




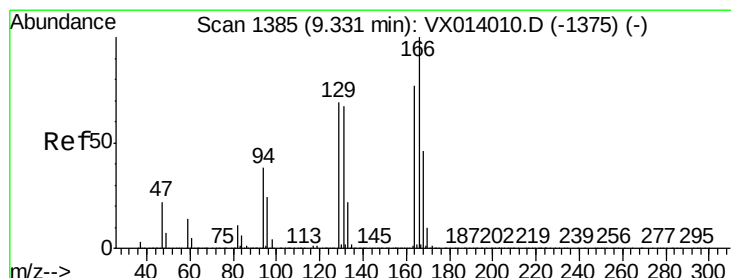
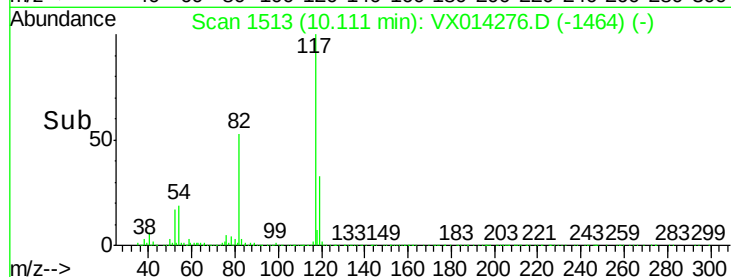
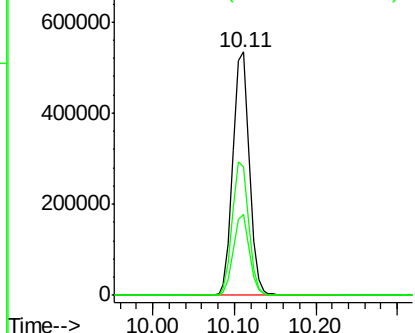
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014276.D
Acq: 26 Dec 2019 17:54

Instrument :
MSVOA_X
ClientSampleId :
1000-MW-19-(28)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.2	63.4
119	33.1	25.1	37.7



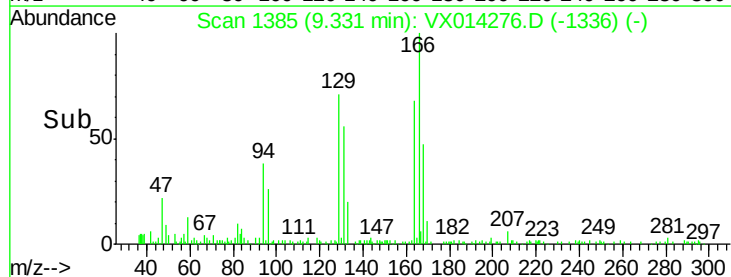
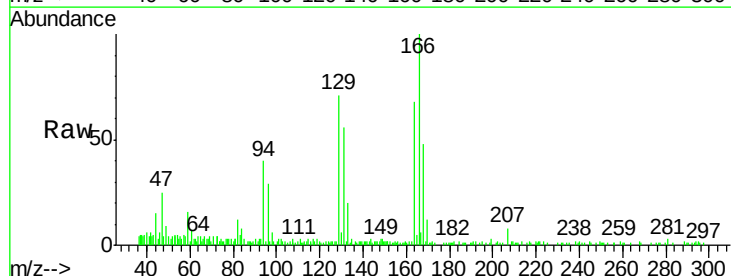
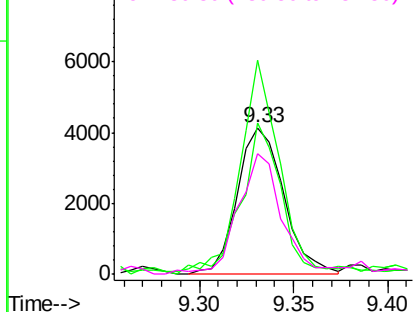
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

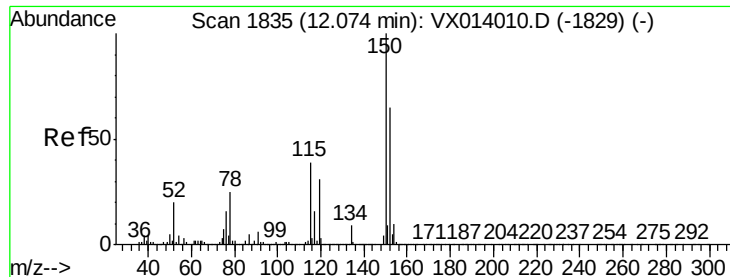


#64
Tetrachloroethene
Concen: 1.086 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014276.D
Acq: 26 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	142.8	104.0	156.0
129	100.0	72.2	108.4
131	80.6	69.6	104.4

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: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

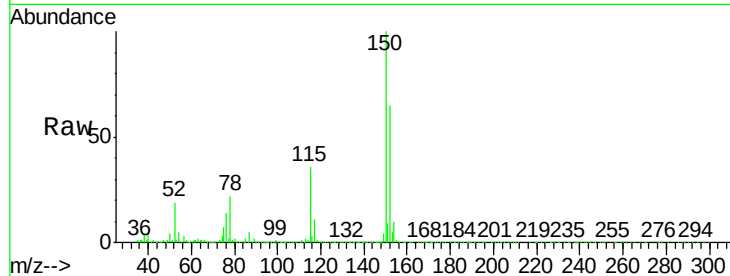
Tgt Ion: 152 Resp: 317429

Ion Ratio Lower Upper

152 100

115 56.4 38.3 114.9

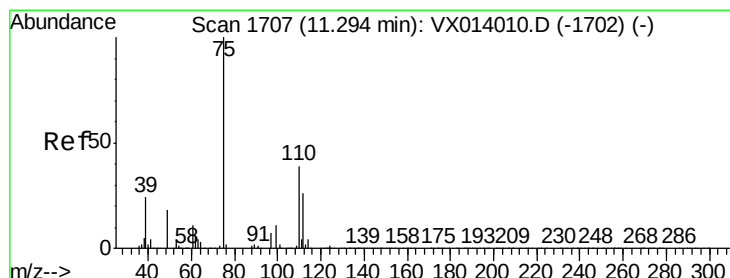
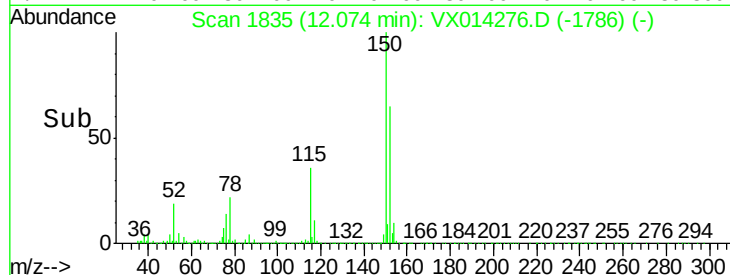
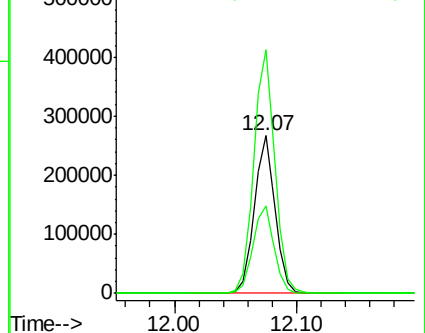
150 156.9 0.0 345.4



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: 22.972 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014276.D

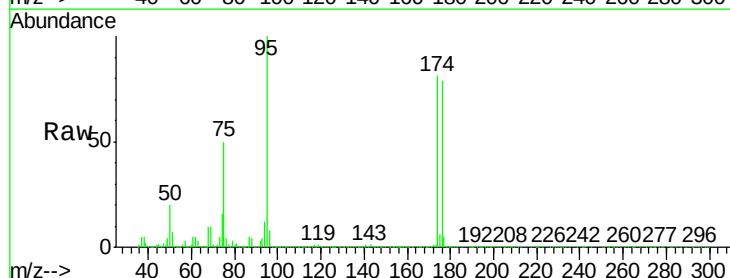
Acq: 26 Dec 2019 17:54

Tgt Ion: 75 Resp: 158307

Ion Ratio Lower Upper

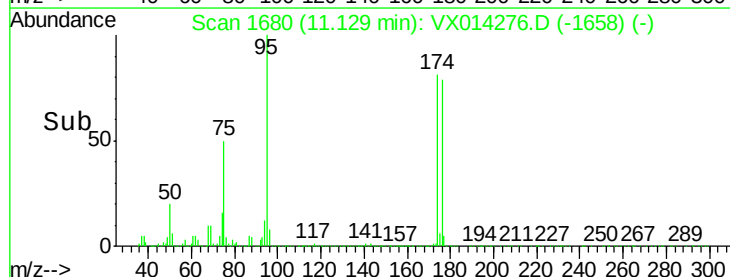
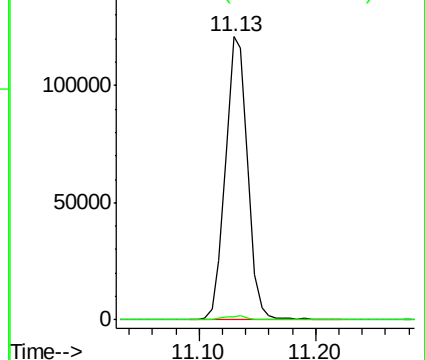
75 100

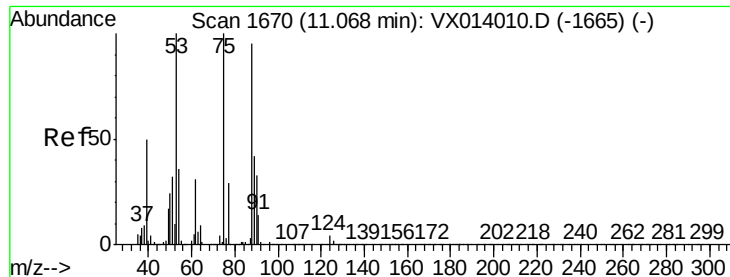
77 1.3 19.3 57.8#



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: 64.839 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

1000-MW-19-(28)

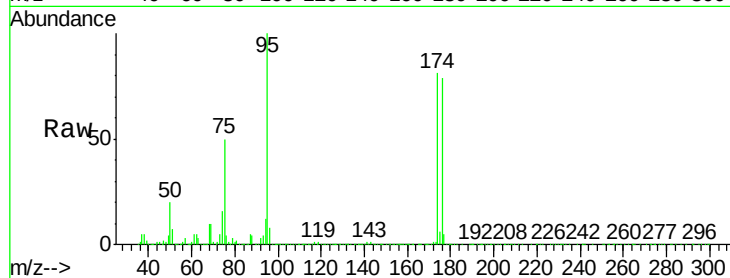
Tgt Ion: 75 Resp: 158307

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.0 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

