

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014282.D
 Acq On : 26 Dec 2019 20:14
 Operator : JC/SP
 Sample : K6405-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

Quant Time: Dec 27 06:06:00 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	527397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	815574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	730963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317988	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	292862	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	243092	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	961203	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	321356	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	

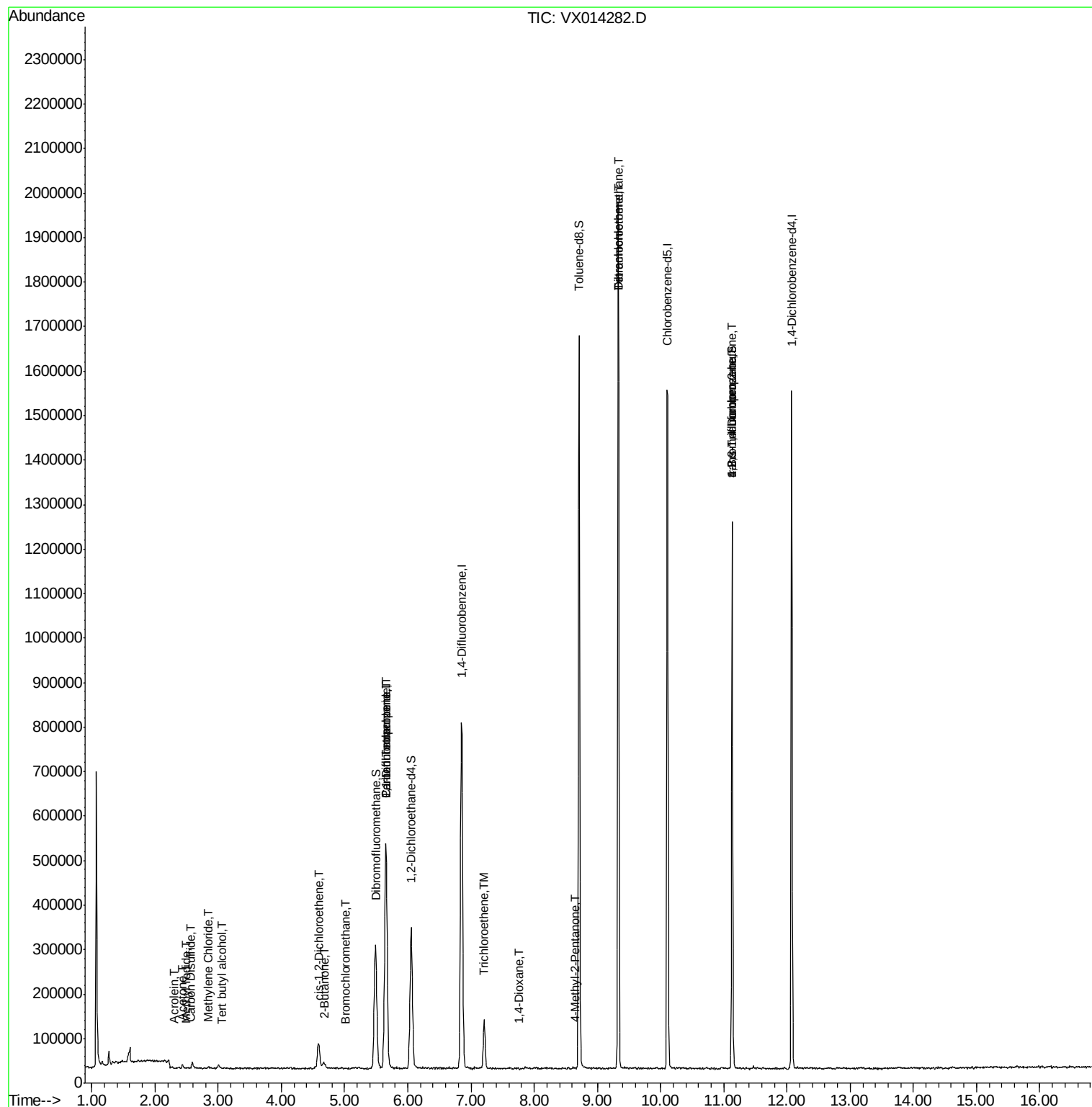
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	142	2.641	ug/l #	1
11) Tert butyl alcohol	3.06	59	270	0.209	ug/l #	1
13) Acrolein	2.30	56	360	0.487	ug/l #	42
16) Acetone	2.43	43	11165	2.877	ug/l #	88
17) Carbon Disulfide	2.56	76	644	0.795	ug/l #	75
20) Methylene Chloride	2.85	84	1593	0.261	ug/l	91
25) 2-Butanone	4.68	43	4606	0.963	ug/l #	73
27) cis-1,2-Dichloroethene	4.59	96	37929	6.000	ug/l	89
28) Bromochloromethane	5.01	49	470	0.574	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	35952	4.804	ug/l #	51
38) Carbon Tetrachloride	5.65	117	45538	6.680	ug/l #	16
44) Trichloroethene	7.21	130	45863	7.211	ug/l	95
49) 1,4-Dioxane	7.76	88	404	2.964	ug/l #	37
51) 4-Methyl-2-Pentanone	8.64	43	2083	0.243	ug/l	89
60) Dibromochloromethane	9.33	129	325307	56.107	ug/l #	11
64) Tetrachloroethene	9.33	164	370872	57.338	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	156513	22.672	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	156513	63.991	ug/l #	12

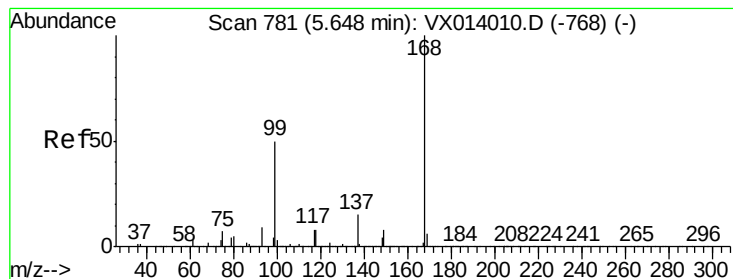
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

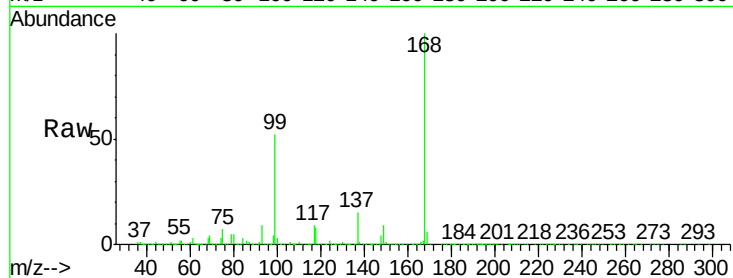
993-MW-03A-(17)DL

Tgt Ion:168 Resp: 527397

Ion Ratio Lower Upper

168 100

99 51.5 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

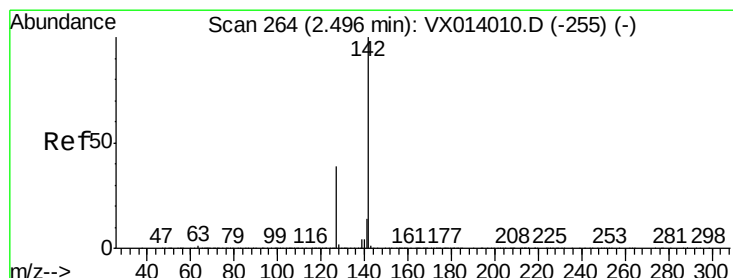
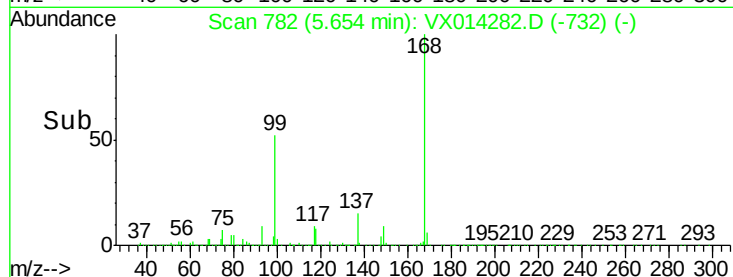
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.641 ug/l

RT: 2.48 min Scan# 261

Delta R.T. -0.02 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

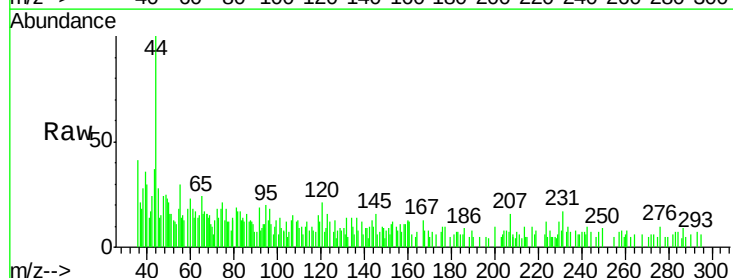
Tgt Ion:142 Resp: 142

Ion Ratio Lower Upper

142 100

127 118.3 31.6 47.4#

141 0.0 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

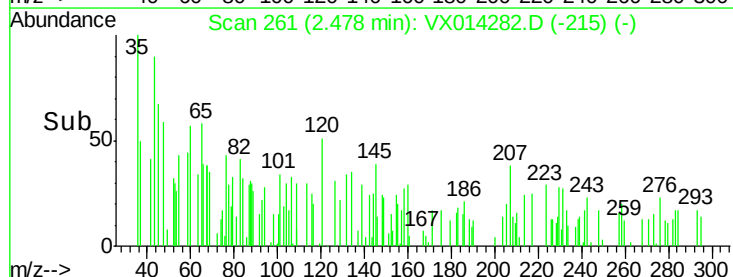
300

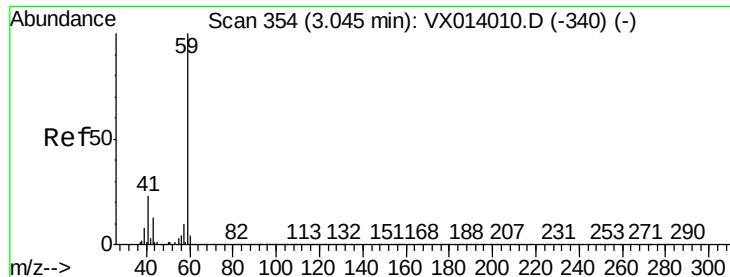
200

100

0

Time-->



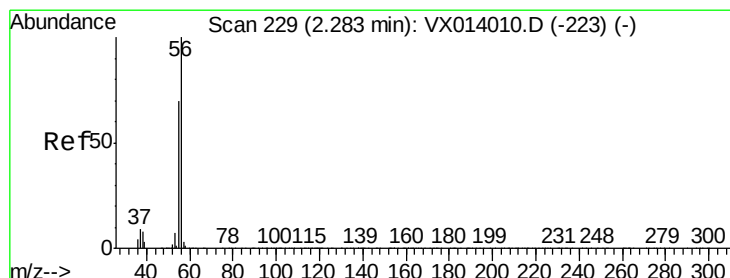
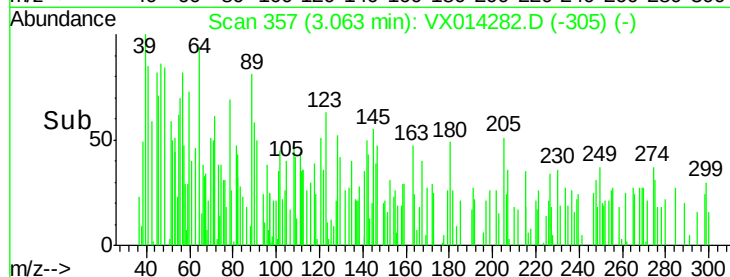
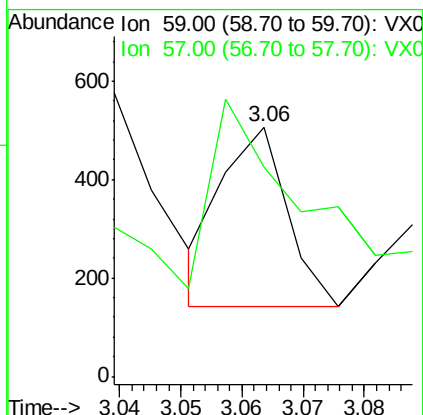
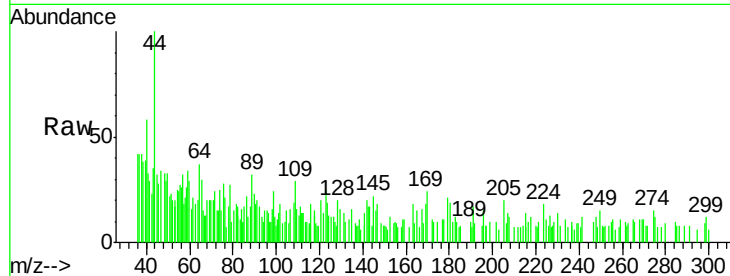


#11

Tert butyl alcohol
Concen: 0.209 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

Instrument :
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993-MW-03A-(17)DL

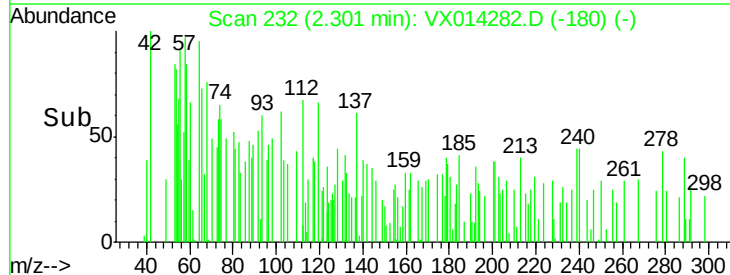
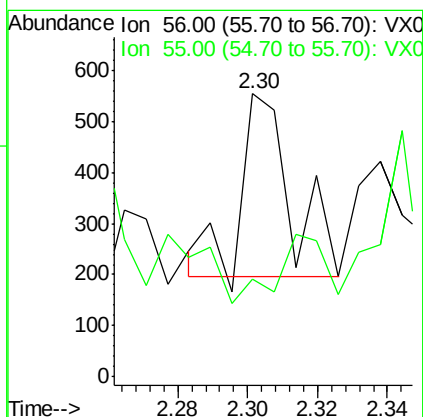
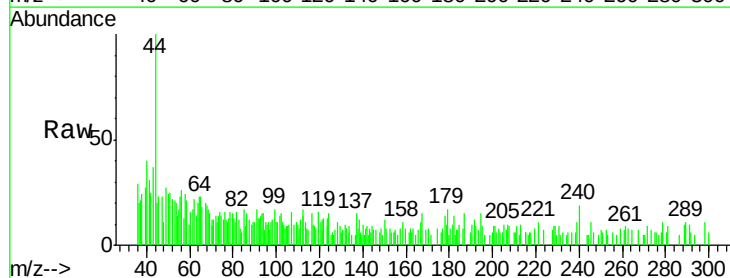
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 184.4 8.4 12.6#

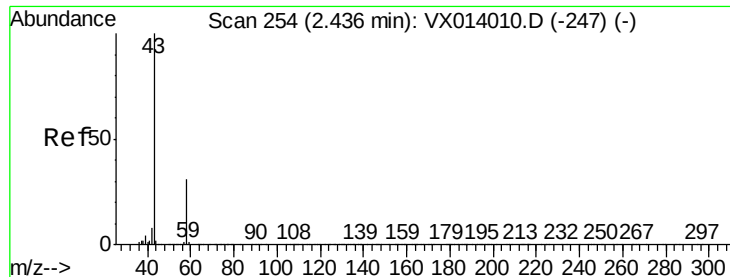


#13

Acrolein
Concen: 0.487 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.02 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 23.1 56.9 85.3#

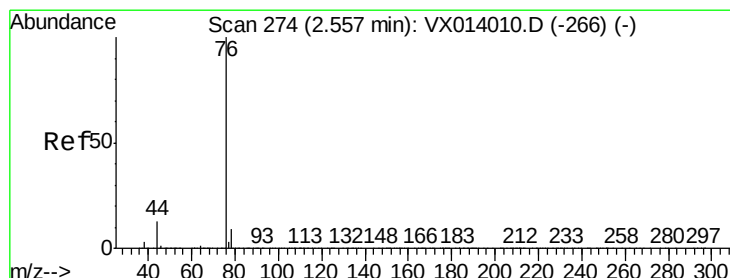
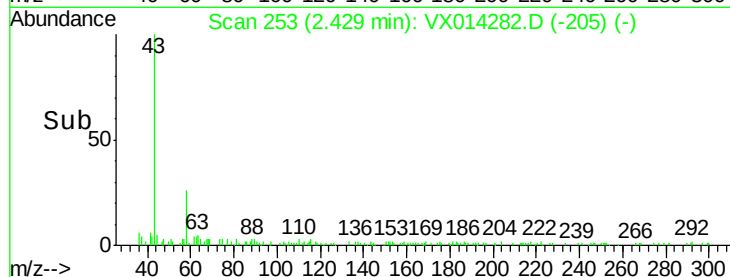
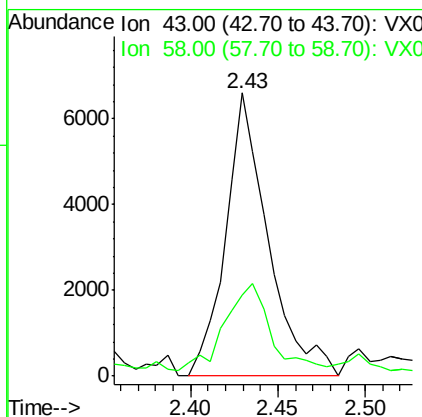
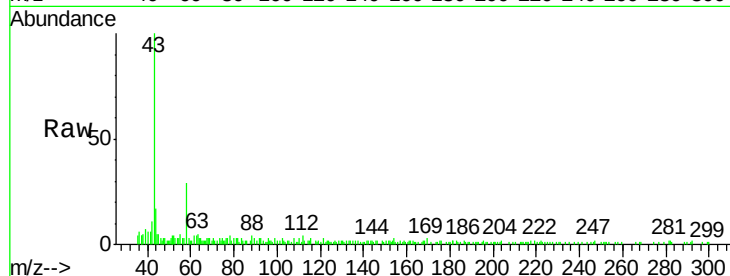




#16
Acetone
Concen: 2.877 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

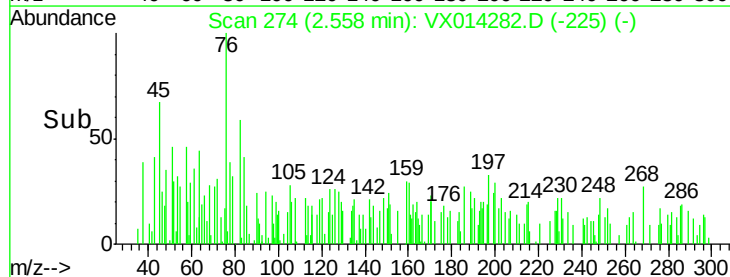
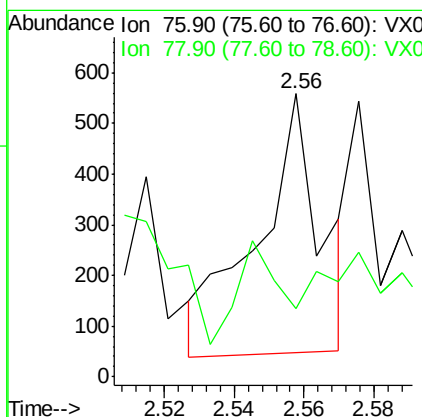
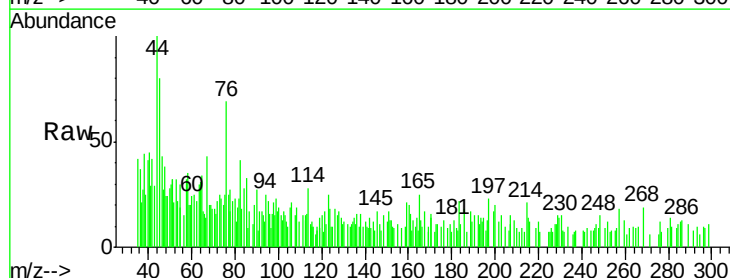
Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)DL

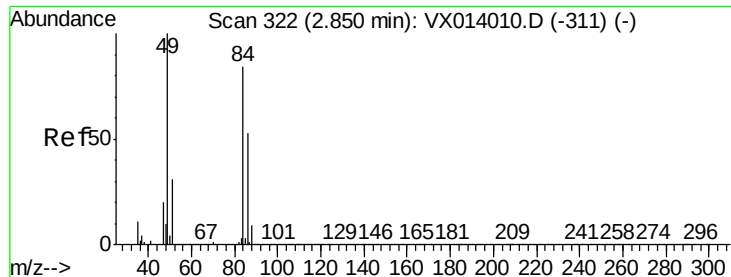
Tgt Ion: 43 Resp: 11165
Ion Ratio Lower Upper
43 100
58 24.6 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.795 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

Tgt Ion: 76 Resp: 644
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

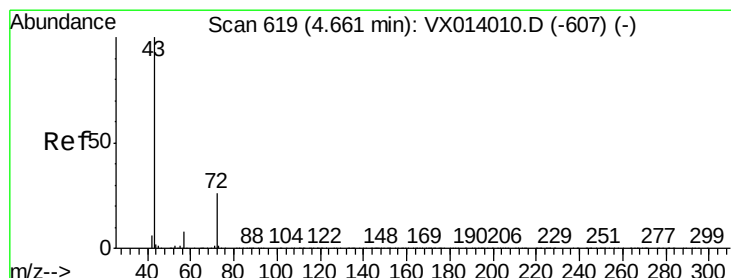
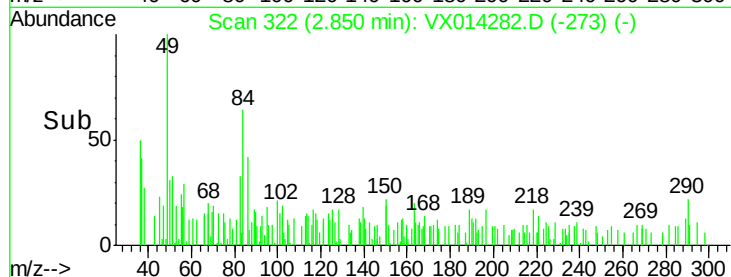
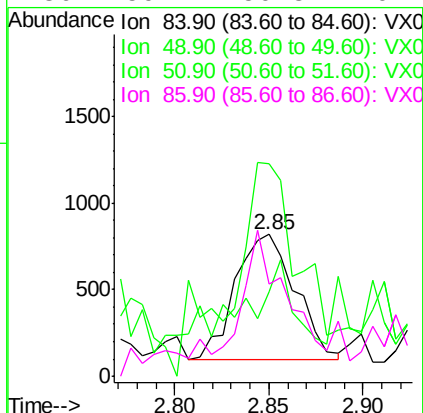
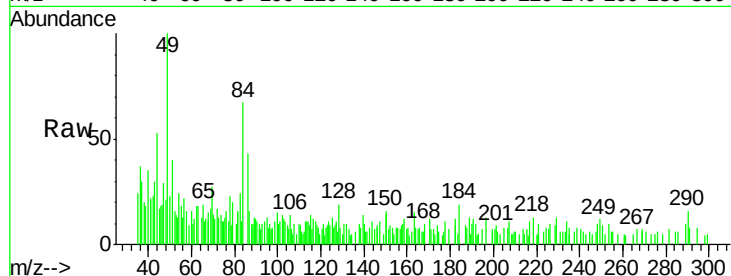




#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

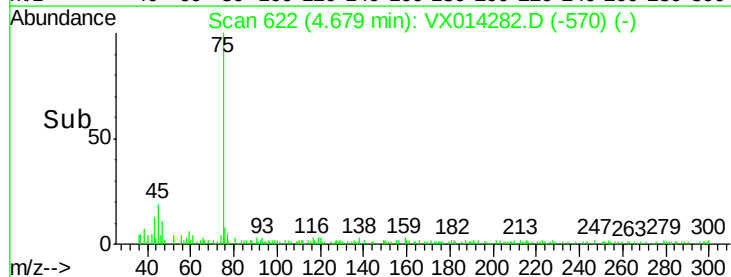
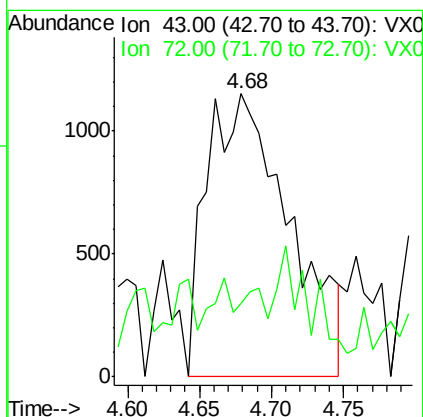
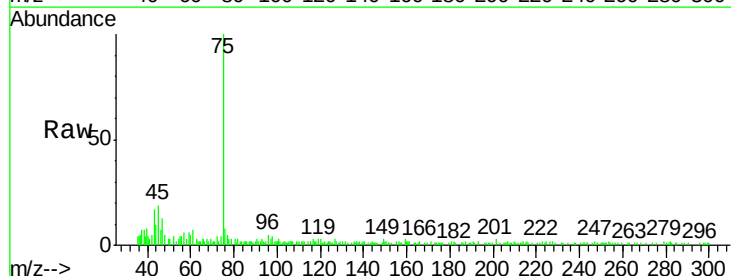
Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)DL

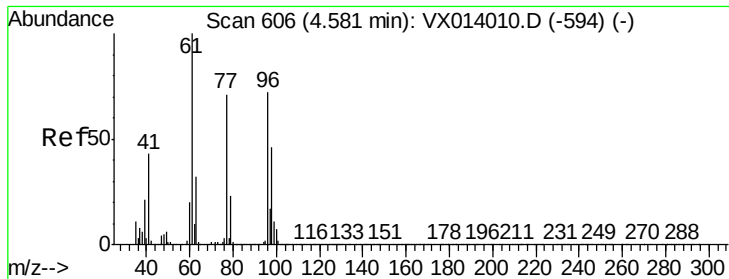
Tgt Ion:	84	Resp:	1593
Ion	Ratio	Lower	Upper
84	100		
49	133.4	95.8	143.6
51	34.2	29.8	44.8
86	59.4	50.8	76.2



#25
2-Butanone
Concen: 0.963 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

Tgt Ion:	43	Resp:	4606
Ion	Ratio	Lower	Upper
43	100		
72	12.6	21.0	31.4#



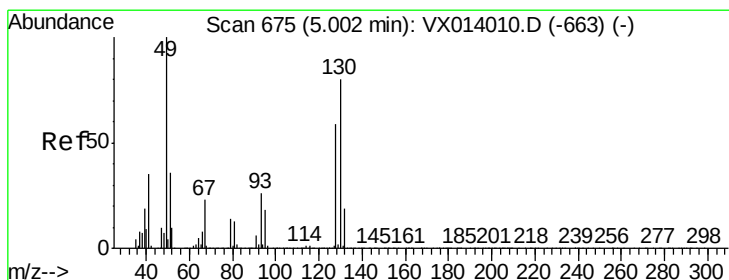
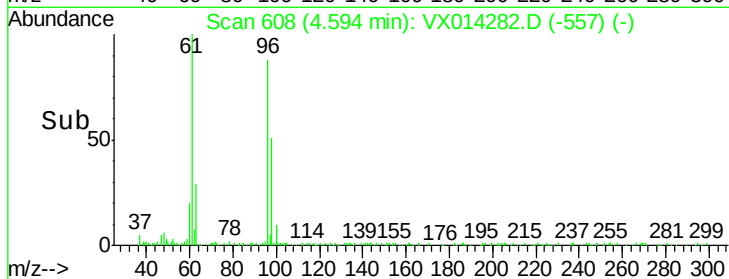
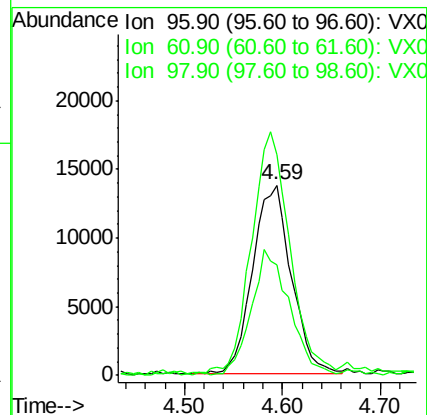
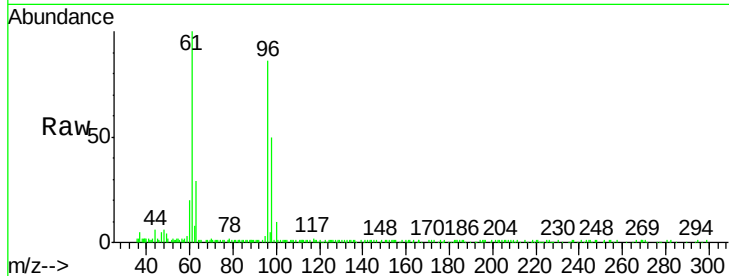


#27

cis-1,2-Dichloroethene
 Concen: 6.000 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

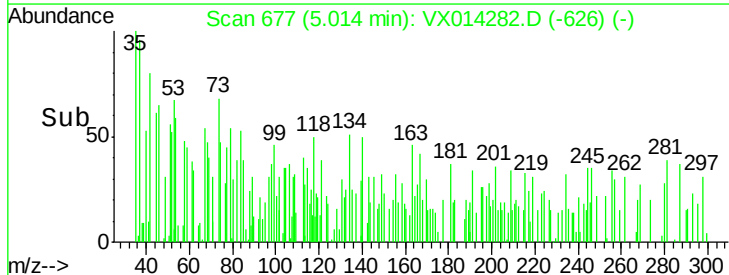
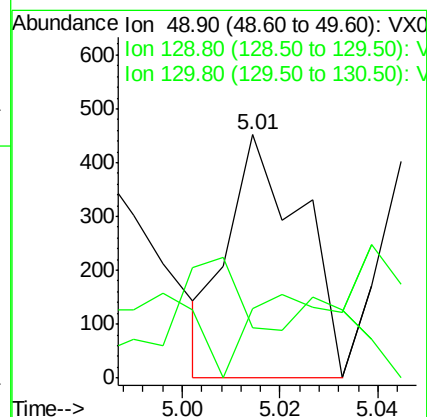
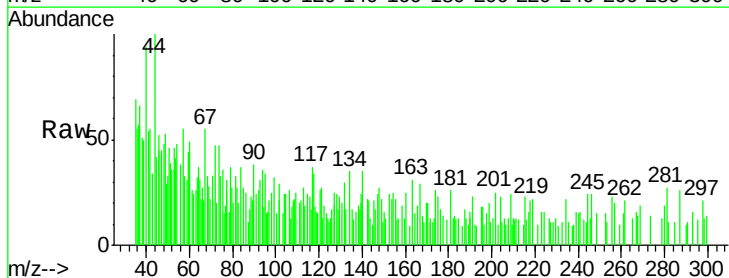
Tgt Ion: 96 Resp: 37929
 Ion Ratio Lower Upper
 96 100
 61 124.8 0.0 288.4
 98 65.5 0.0 129.6

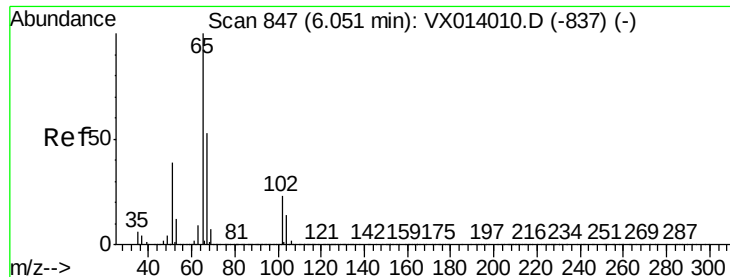


#28

Bromochloromethane
 Concen: 0.574 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion: 49 Resp: 470
 Ion Ratio Lower Upper
 49 100
 129 32.1 0.0 5.0#
 130 50.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.996 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

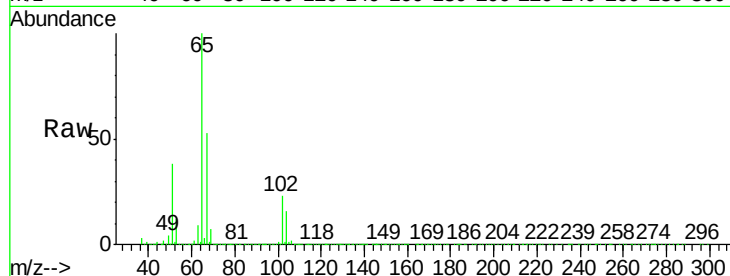
993-MW-03A-(17)DL

Tgt Ion: 65 Resp: 292862

Ion Ratio Lower Upper

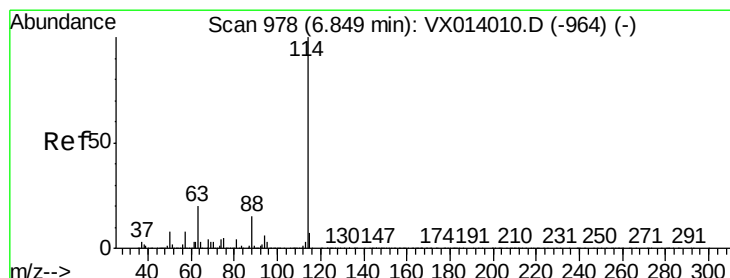
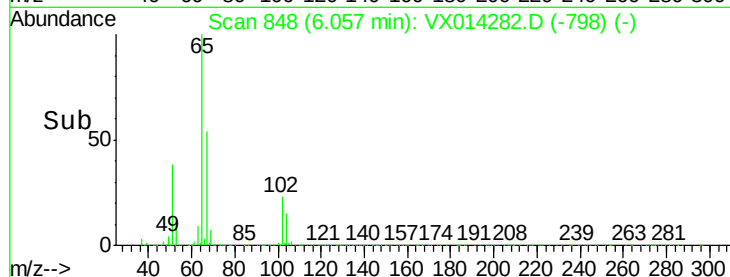
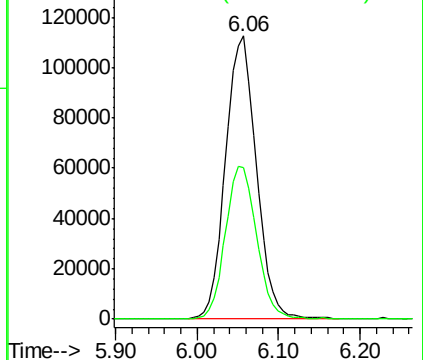
65 100

67 54.4 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: VX014282.D

Acq: 26 Dec 2019 20:14

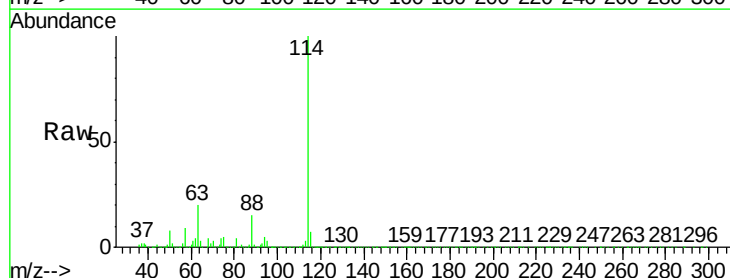
Tgt Ion: 114 Resp: 815574

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

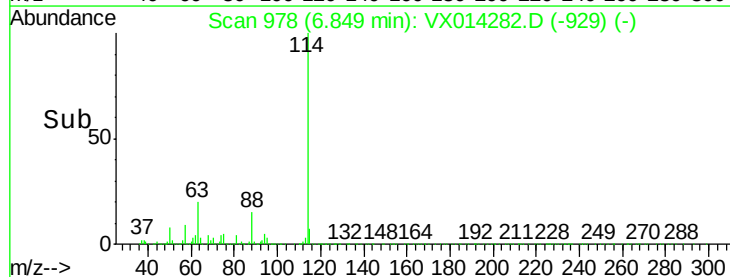
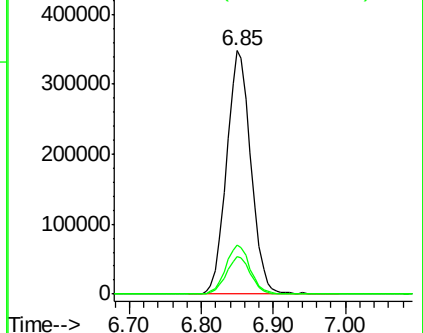
88 15.3 0.0 30.4

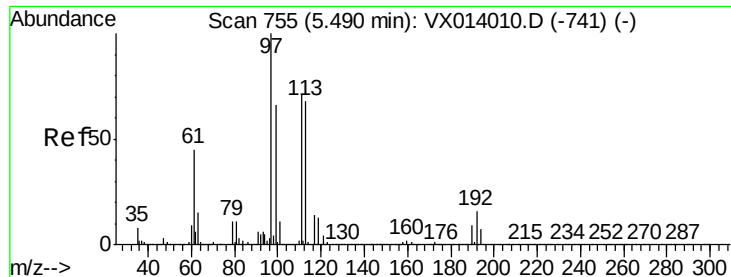


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

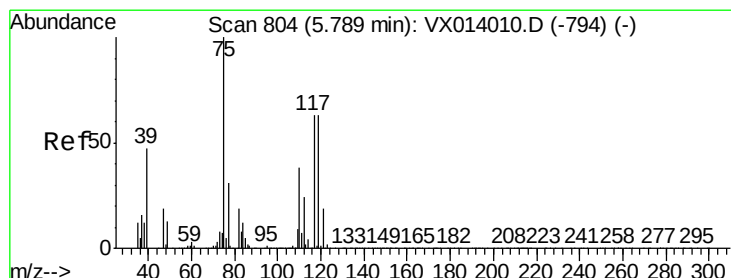
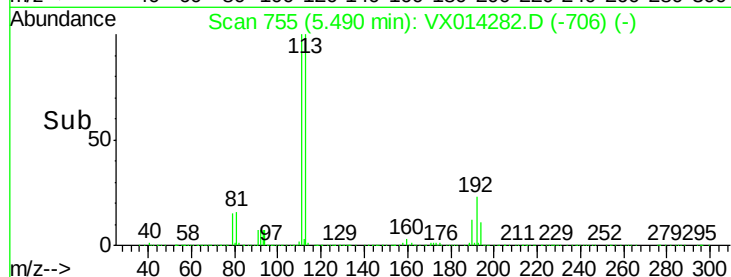
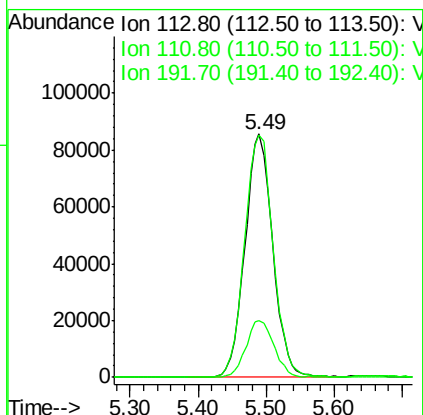
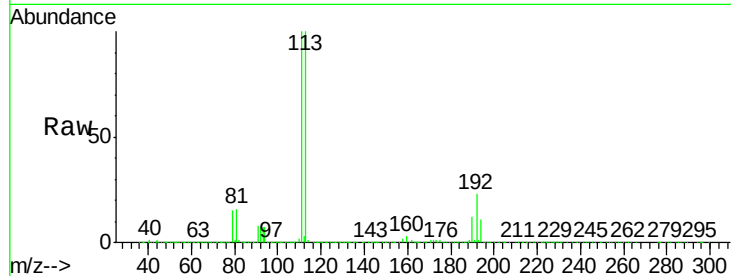




#35
 Dibromofluoromethane
 Concen: 49.032 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

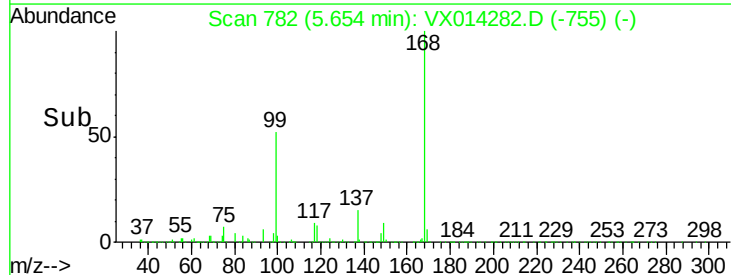
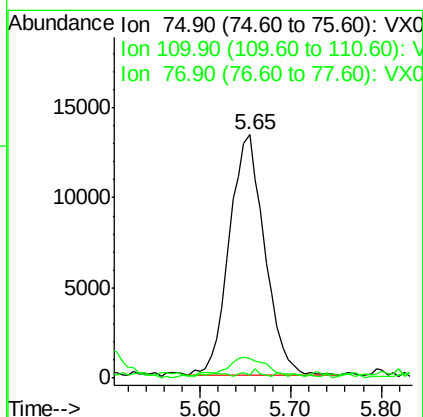
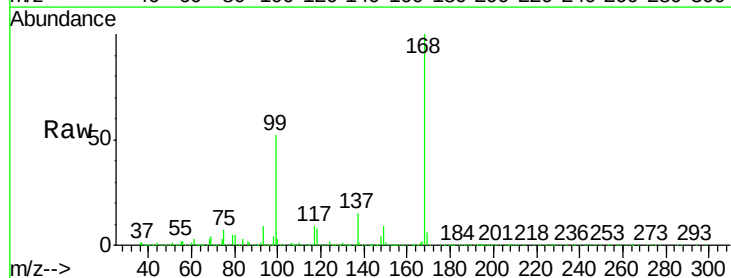
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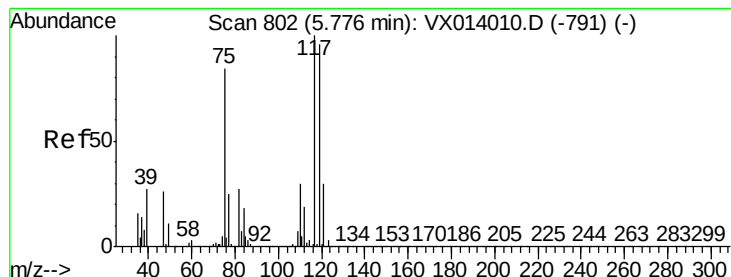
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.8	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.9#
77	1.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)DL

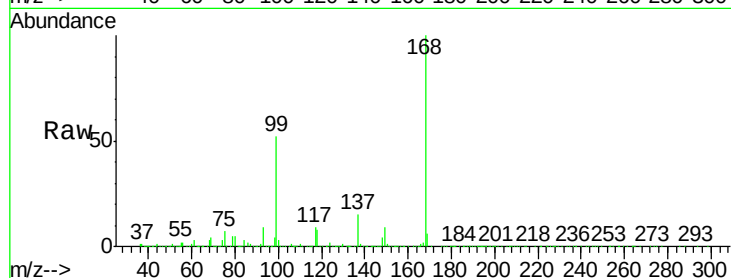
Tgt Ion:117 Resp: 45538

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.4#

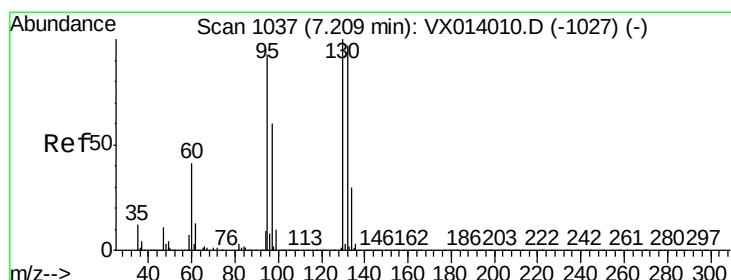
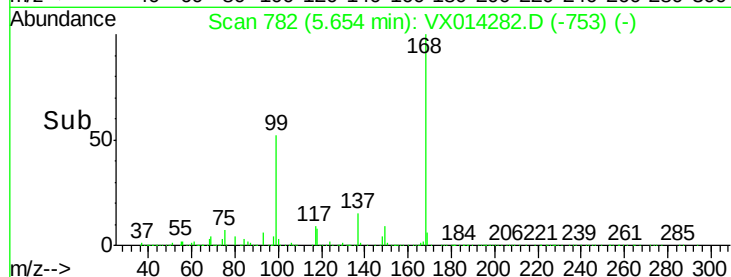
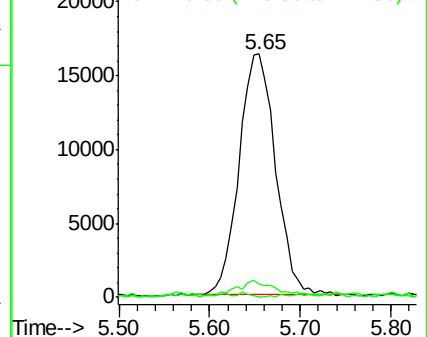
121 0.0 23.6 35.4#



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: 7.211 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014282.D

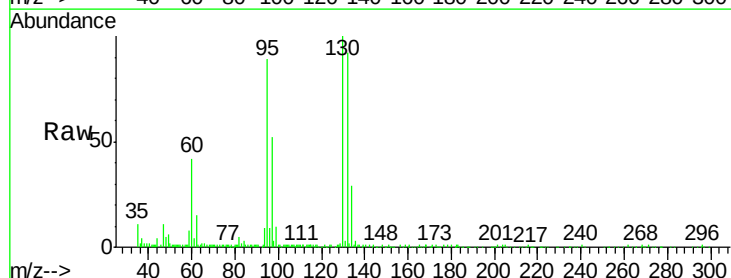
Acq: 26 Dec 2019 20:14

Tgt Ion:130 Resp: 45863

Ion Ratio Lower Upper

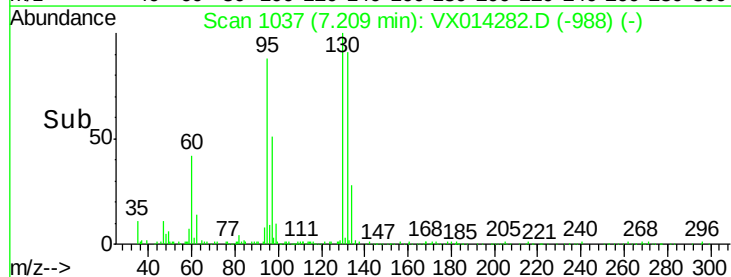
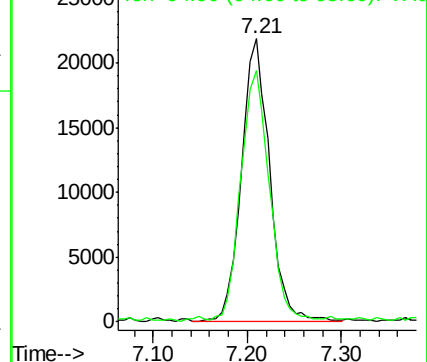
130 100

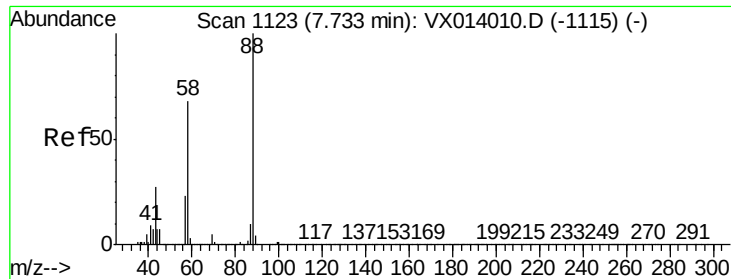
95 87.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.964 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)DL

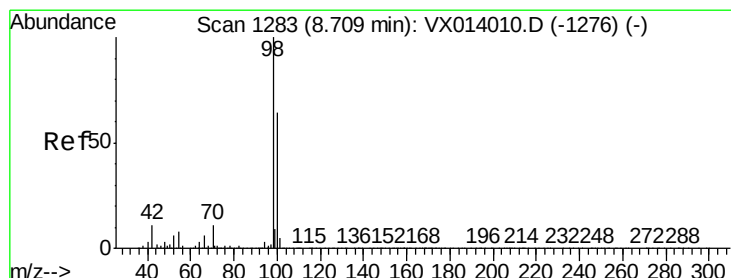
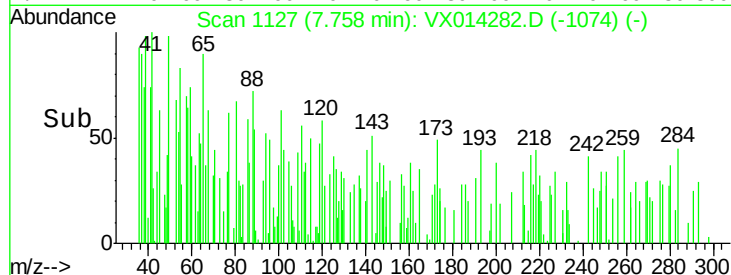
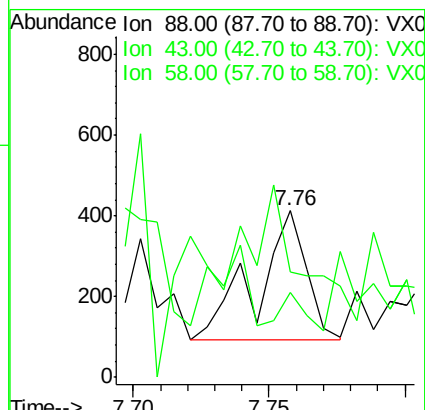
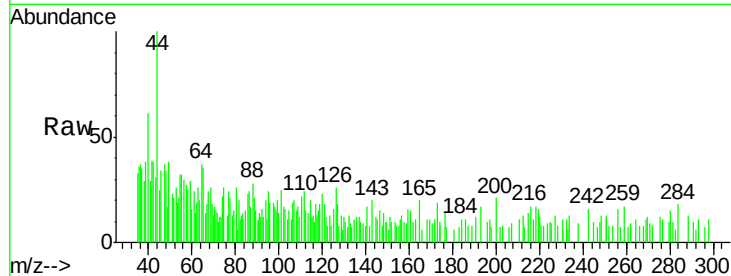
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 102.0 26.5 39.7#

58 41.1 56.8 85.2#



#50

Toluene-d8

Concen: 49.798 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014282.D

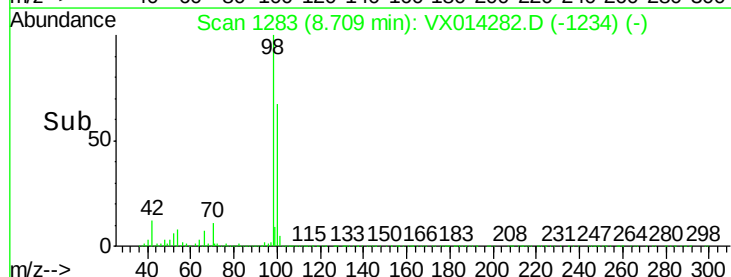
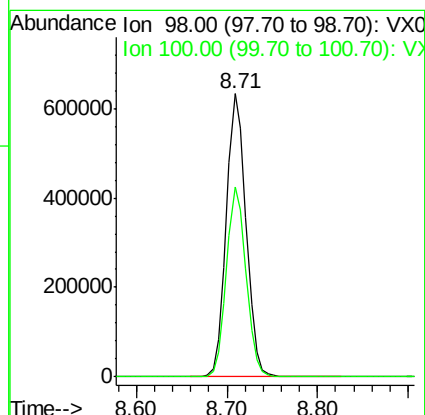
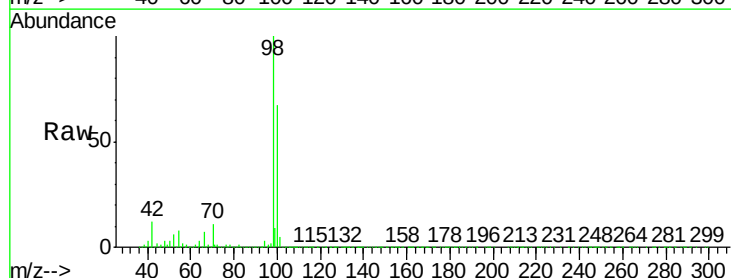
Acq: 26 Dec 2019 20:14

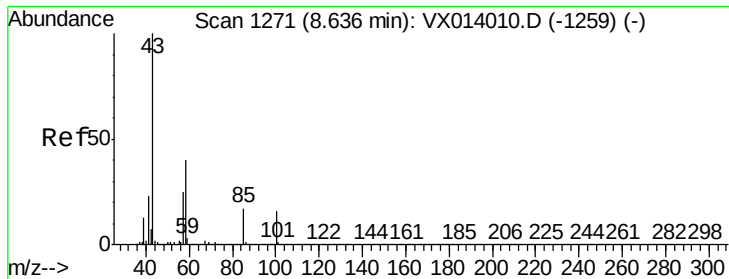
Tgt Ion: 98 Resp: 961203

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3

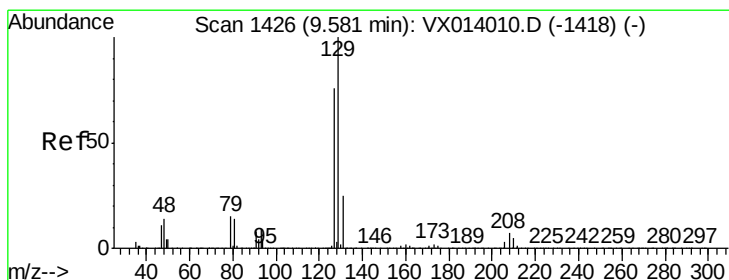
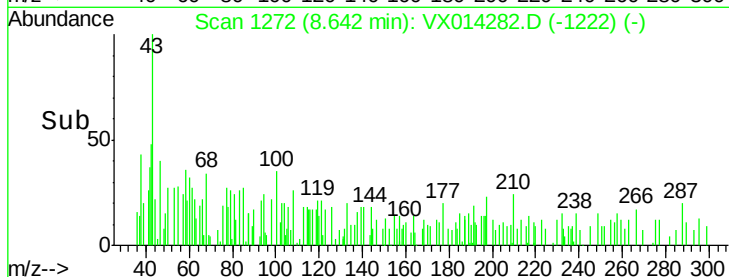
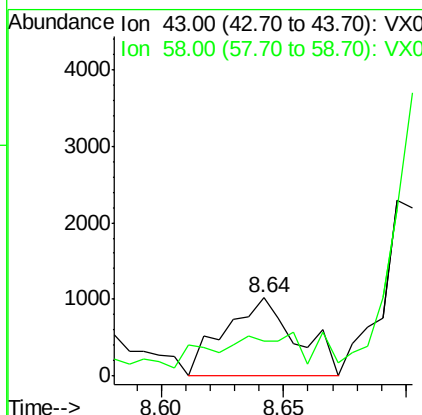
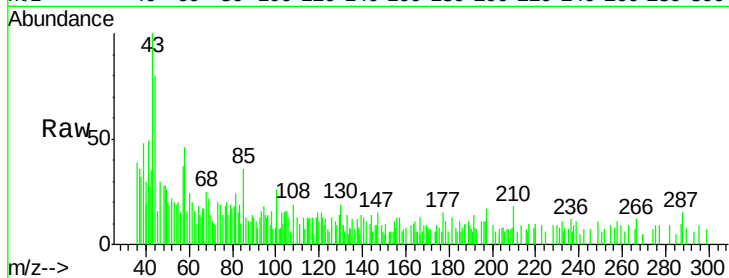




#51
 4-Methyl-2-Pentanone
 Concen: 0.243 ug/l
 RT: 8.64 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

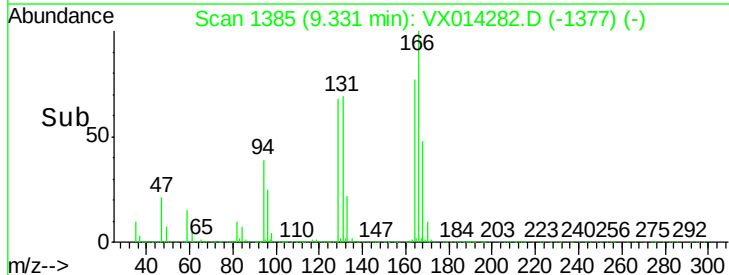
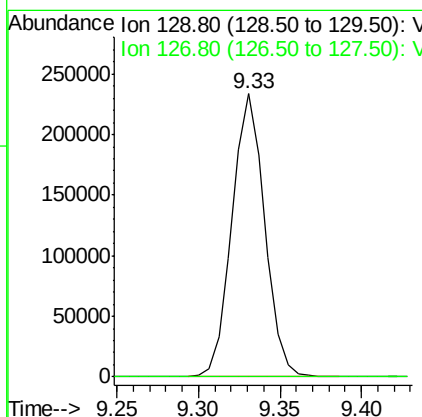
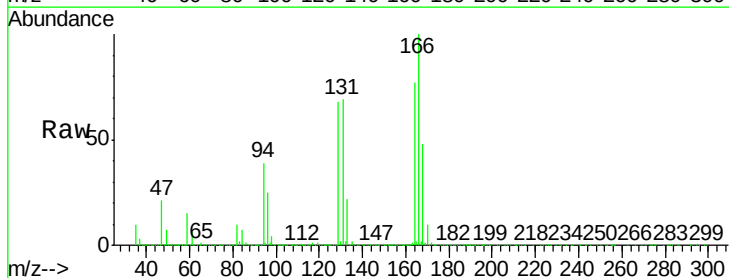
Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

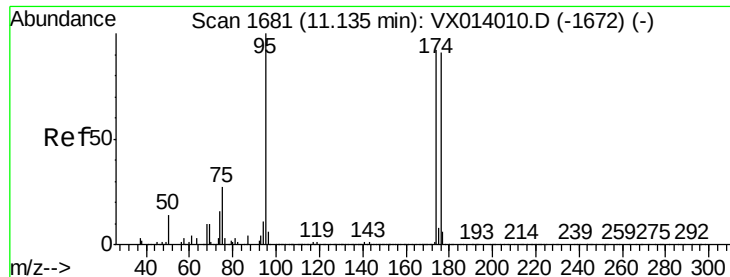
Tgt Ion: 43 Resp: 2083
 Ion Ratio Lower Upper
 43 100
 58 47.0 32.2 48.2



#60
 Dibromochloromethane
 Concen: 56.107 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion: 129 Resp: 325307
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 45.546 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)DL

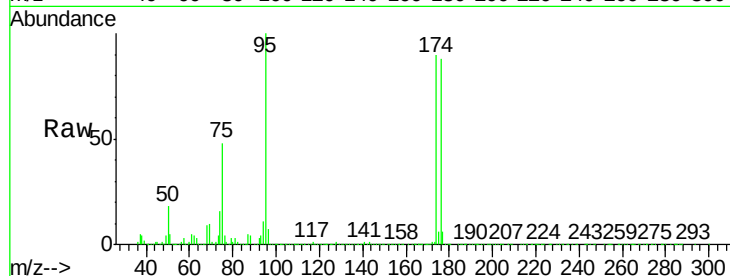
Tgt Ion: 95 Resp: 321356

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.8

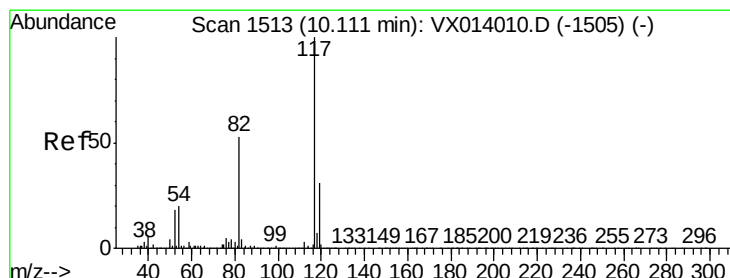
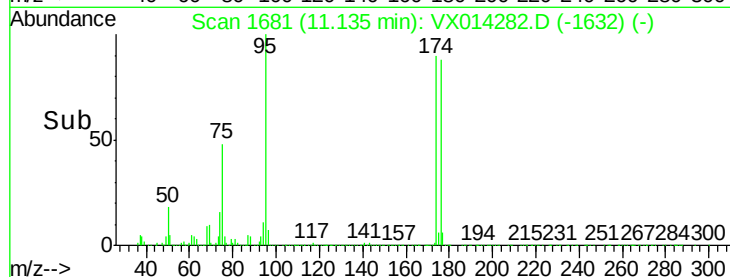
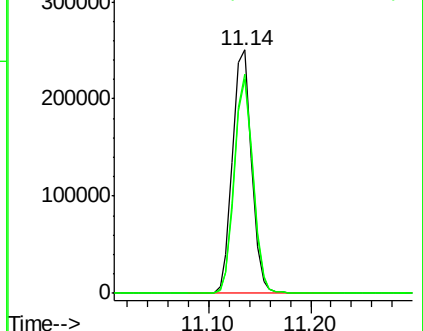
176 85.7 0.0 173.0



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: VX014282.D

Acq: 26 Dec 2019 20:14

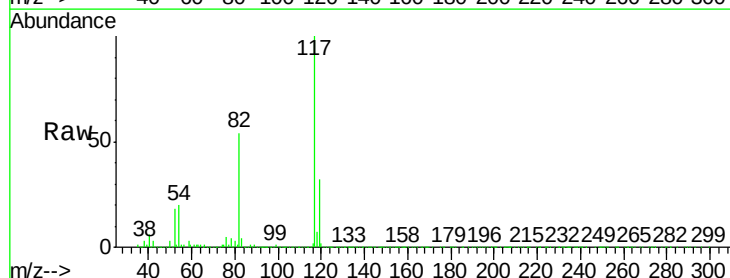
Tgt Ion: 117 Resp: 730963

Ion Ratio Lower Upper

117 100

82 53.8 42.2 63.4

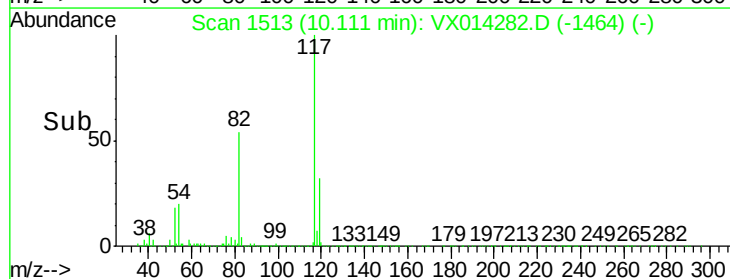
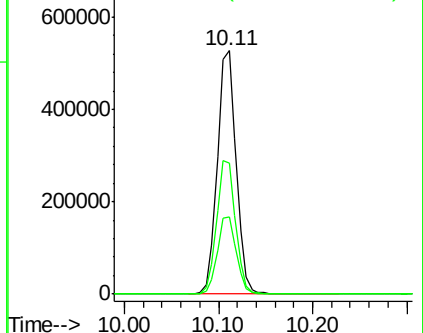
119 31.9 25.1 37.7

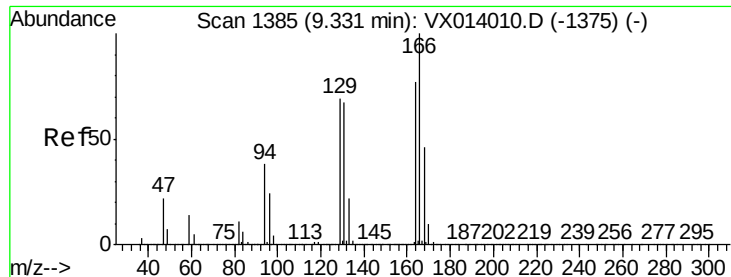


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

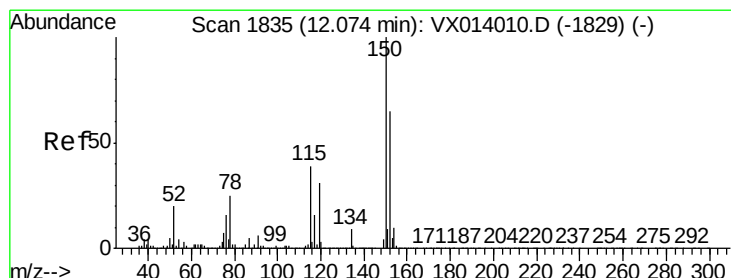
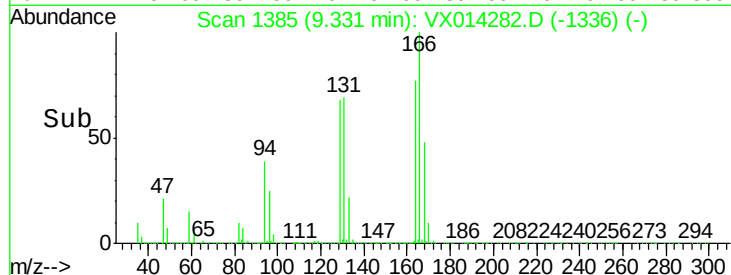
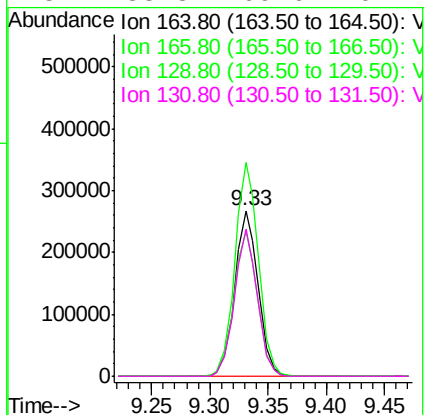
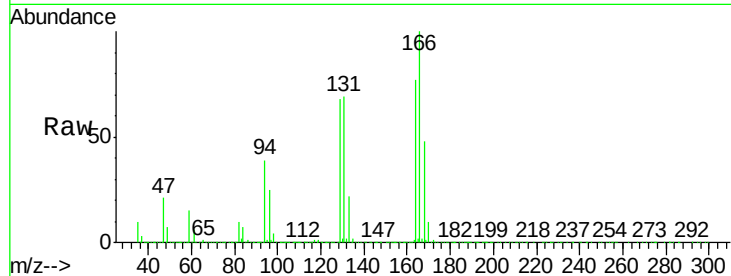




#64
Tetrachloroethene
Concen: 57.338 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

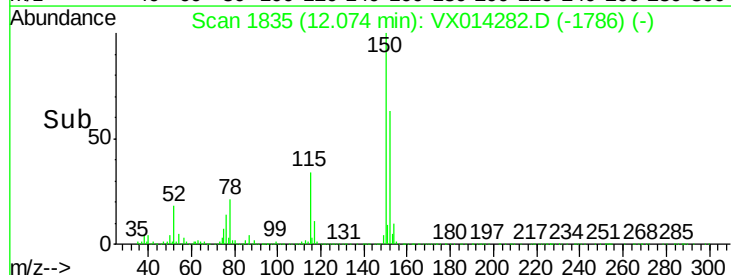
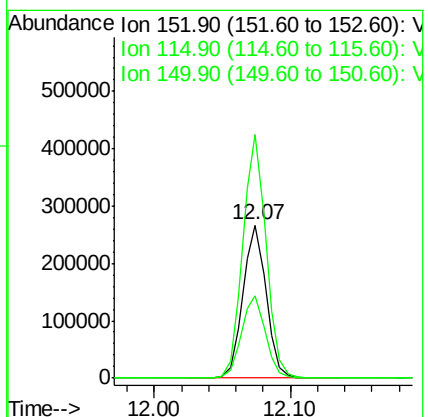
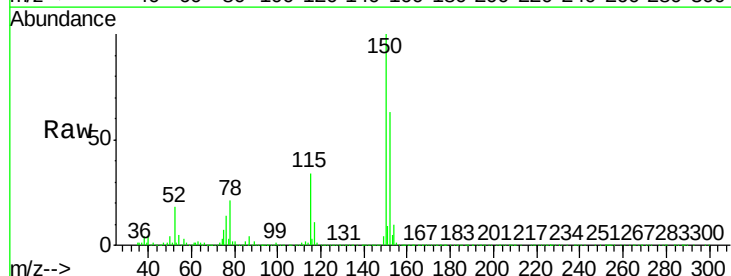
Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)DL

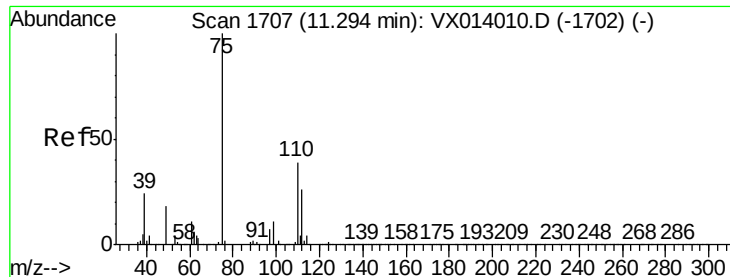
Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	104.0	156.0
129	87.4	72.2	108.4
131	88.8	69.6	104.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014282.D
Acq: 26 Dec 2019 20:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.3	114.9
150	158.4	0.0	345.4

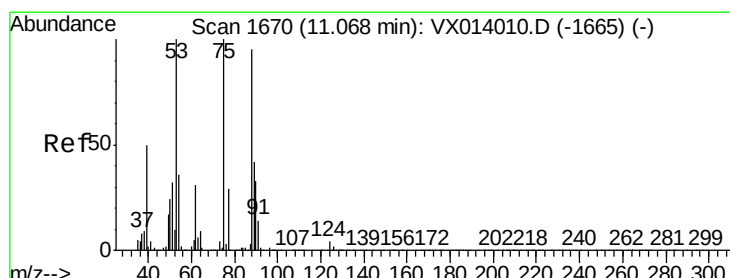
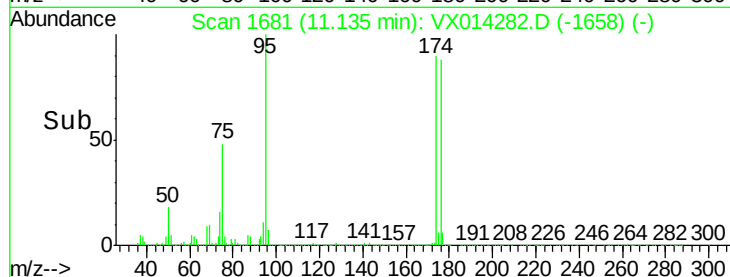
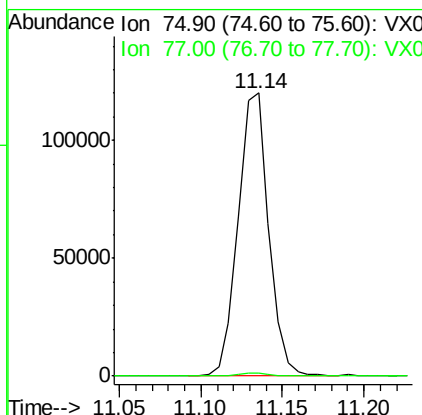
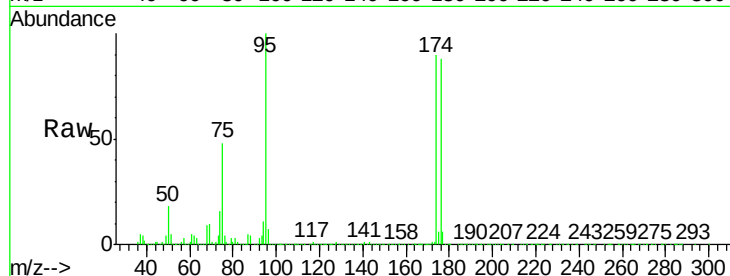




#76
 1,2,3-Trichloropropane
 Concen: 22.672 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

Tgt Ion: 75 Resp: 156513
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.3 57.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.991 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion: 75 Resp: 156513
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.3 34.6 51.8#

