

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014133.D
 Acq On : 19 Dec 2019 20:07
 Operator : JC/SP
 Sample : K6372-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 01:02:17 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	550616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	859159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	757176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333587	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	307648	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	5.49	113	255495	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	1010585	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	335081	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

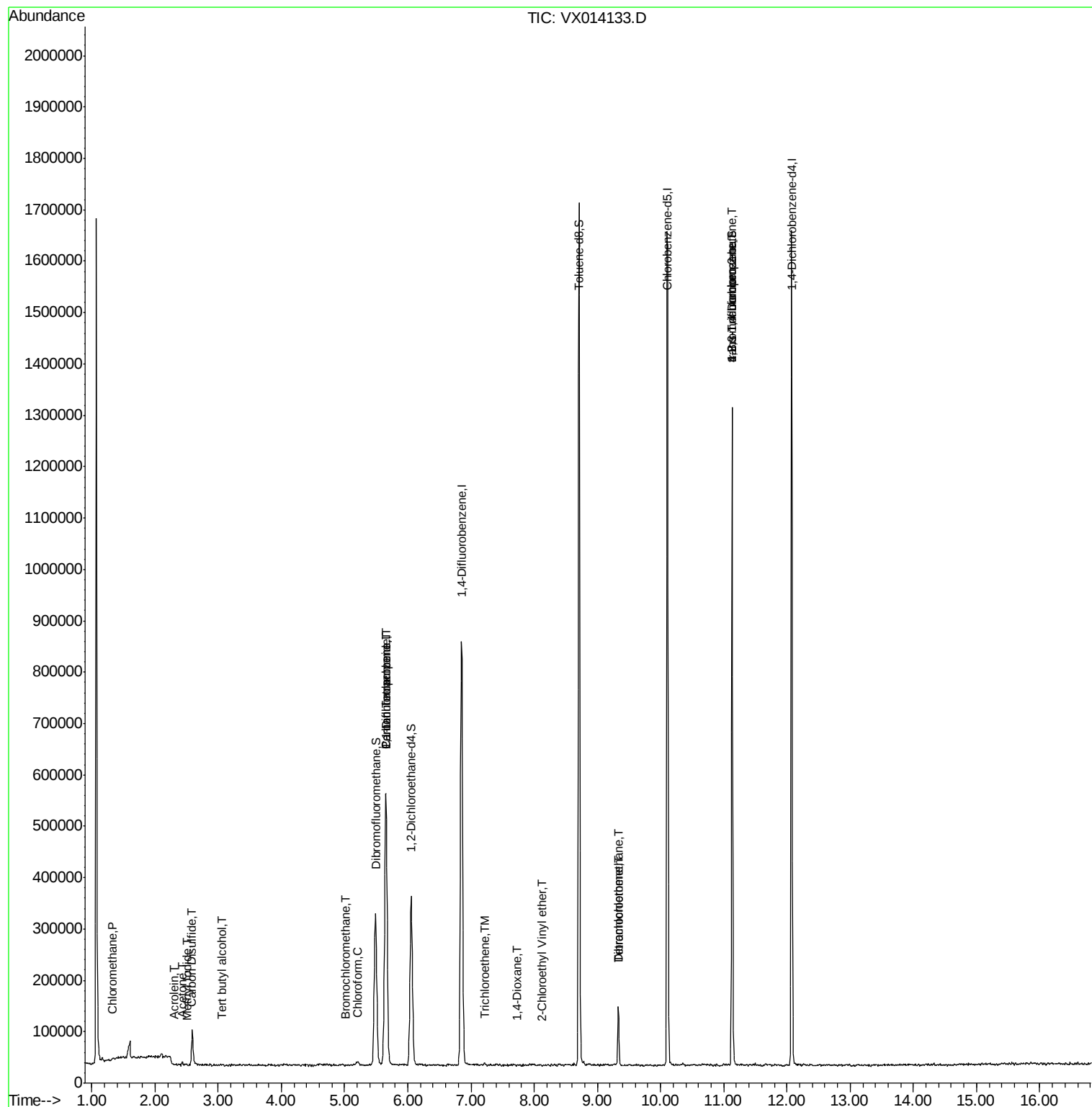
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1538	0.233	ug/l	92
10) Methyl Iodide	2.51	142	530	2.694	ug/l #	34
11) Tert butyl alcohol	3.05	59	508	0.377	ug/l #	72
13) Acrolein	2.30	56	192	0.249	ug/l #	1
16) Acetone	2.43	43	6470	1.597	ug/l	92
17) Carbon Disulfide	2.57	76	1429	0.846	ug/l #	86
28) Bromochloromethane	5.01	49	250	0.515	ug/l #	10
30) Chloroform	5.20	83	10718	1.078	ug/l	99
36) 1,1-Dichloropropene	5.65	75	39648	5.029	ug/l #	50
38) Carbon Tetrachloride	5.65	117	48266	6.721	ug/l #	18
44) Trichloroethene	7.22	130	1341	0.200	ug/l	61
49) 1,4-Dioxane	7.73	88	220	1.532	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.12	63	752	0.206	ug/l	94
60) Dibromochloromethane	9.33	129	19672	3.221	ug/l #	12
64) Tetrachloroethene	9.33	164	22489	3.357	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	164383	22.698	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	164383	64.066	ug/l #	11

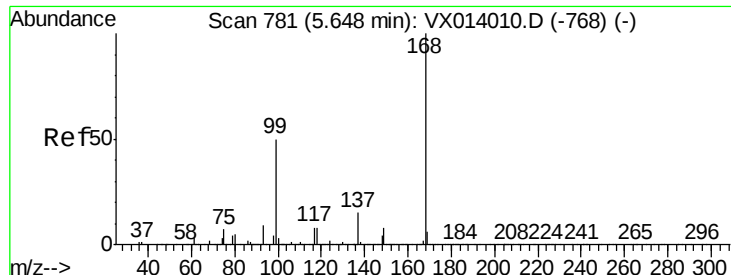
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

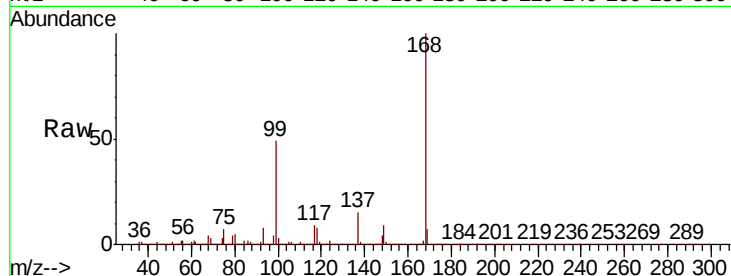
ClientSampled :

Tot Ion:168 Resp: 550616

Ion Ratio Lower Upper

168 100

99 49.3 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

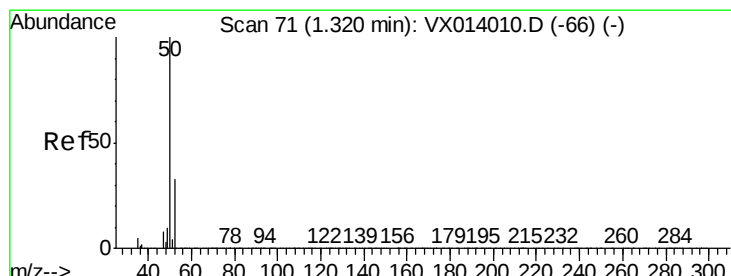
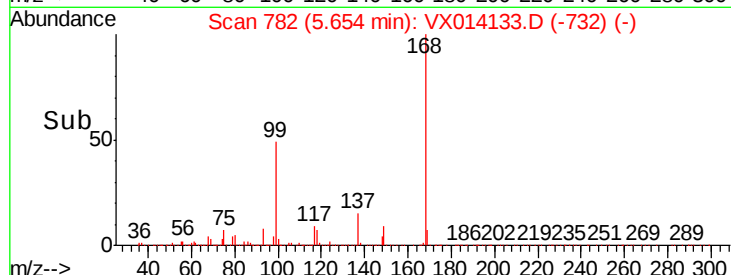
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014133.D

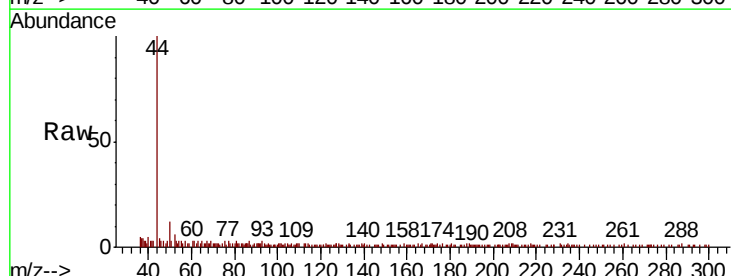
Acq: 19 Dec 2019 20:07

Tgt Ion: 50 Resp: 1538

Ion Ratio Lower Upper

50 100

52 37.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

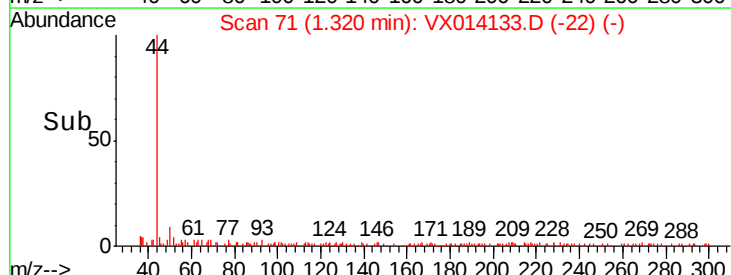
600

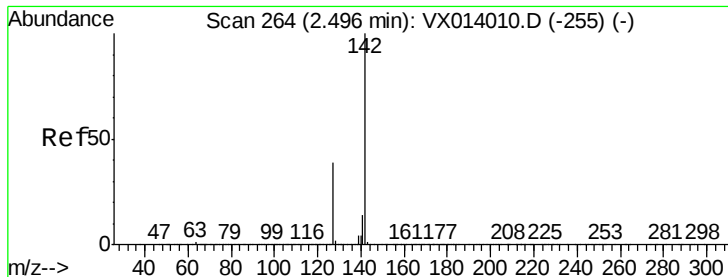
400

200

0

Time-->

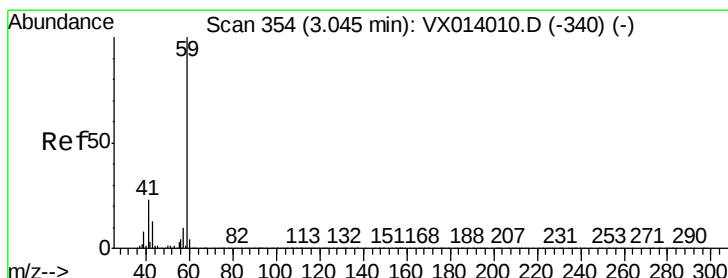
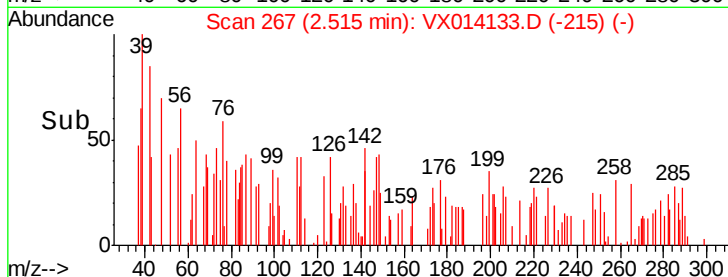
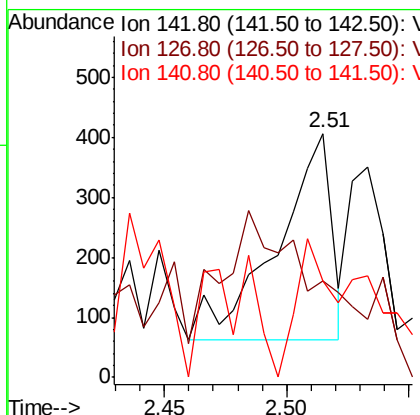
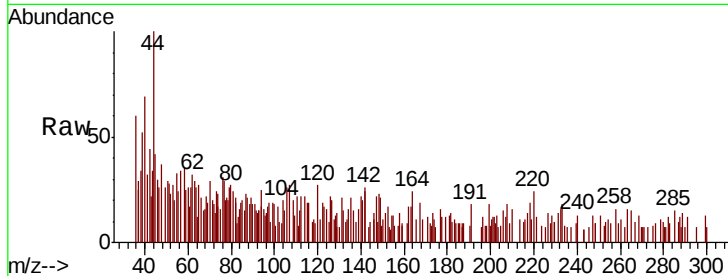




#10
Methyl Iodide
Concen: 2.694 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

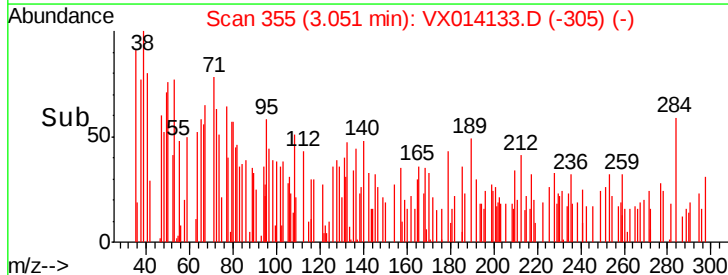
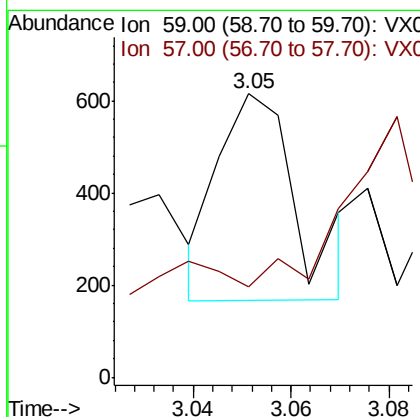
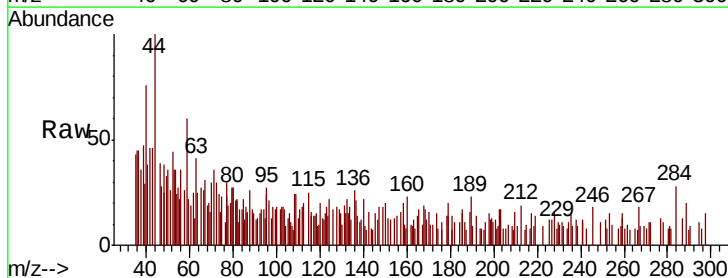
Instrument :
MSVOA_X
ClientSampled :

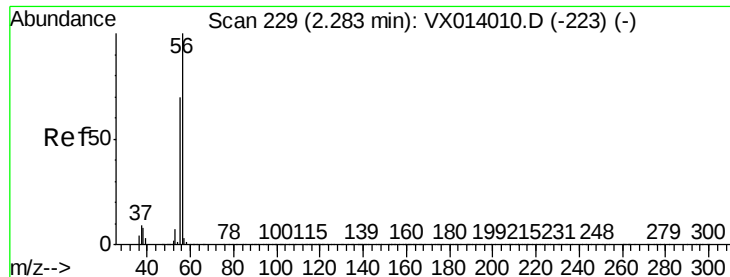
Tot Ion:142 Resp: 530
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 43.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.377 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.01 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

Tgt Ion: 59 Resp: 508
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 0.249 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

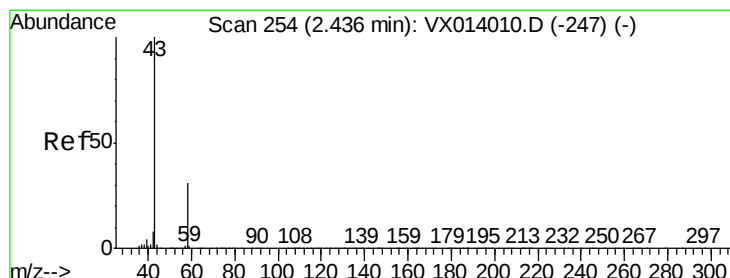
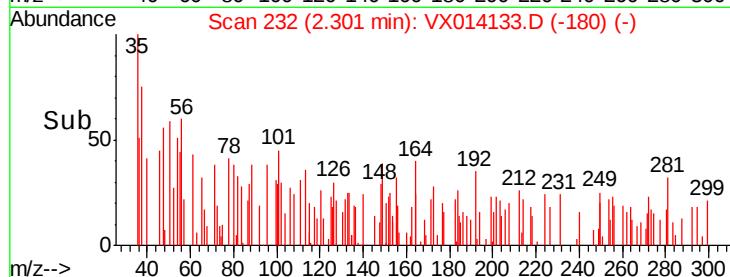
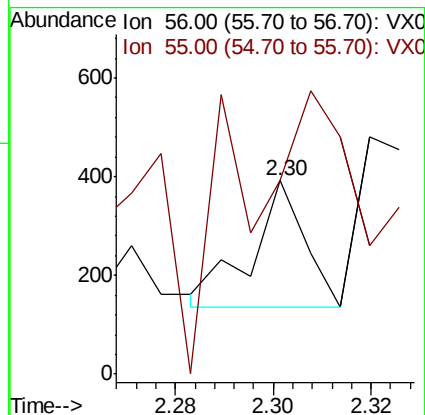
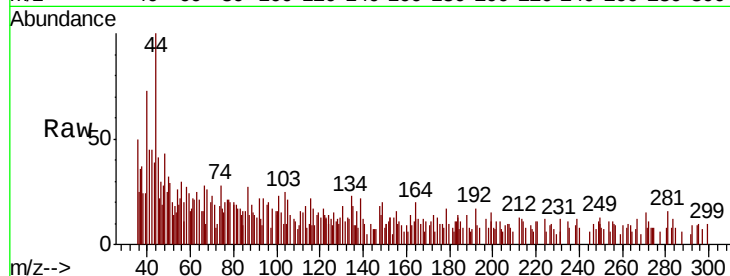
ClientSampleId :

Tot Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 488.0 56.9 85.3#



#16

Acetone

Concen: 1.597 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014133.D

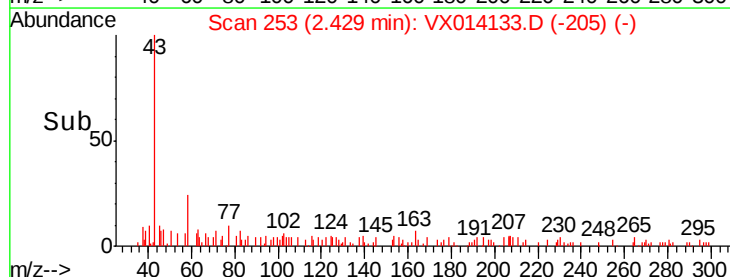
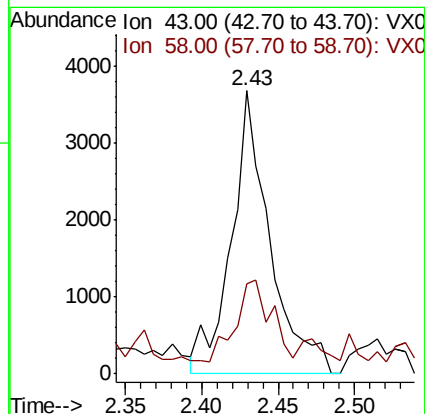
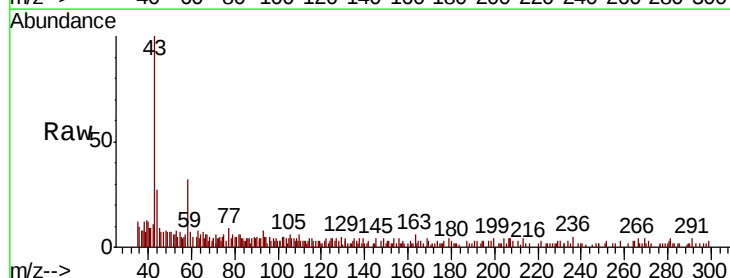
Acq: 19 Dec 2019 20:07

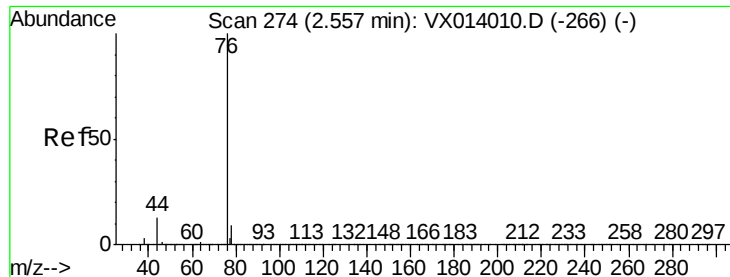
Tgt Ion: 43 Resp: 6470

Ion Ratio Lower Upper

43 100

58 26.9 24.9 37.3

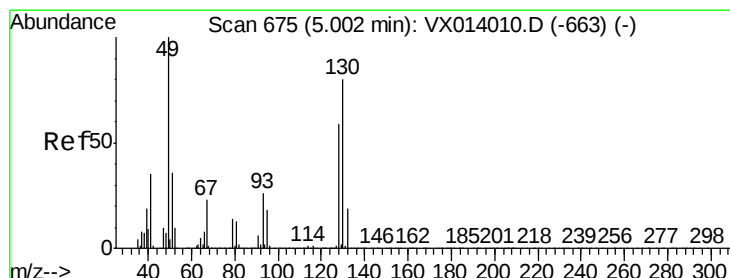
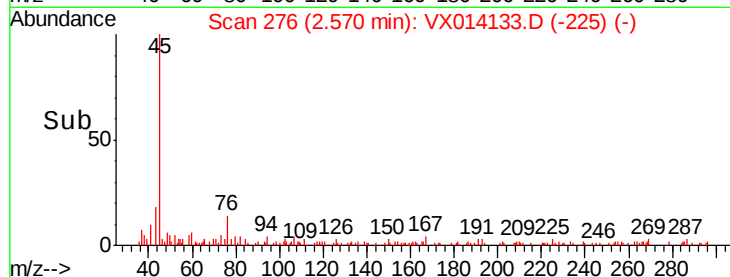
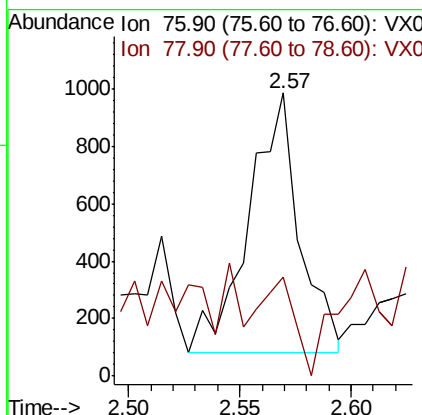
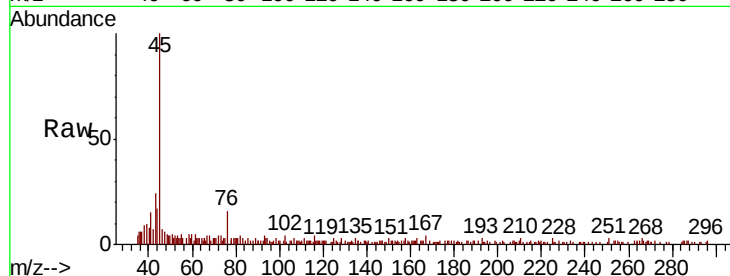




#17
Carbon Disulfide
Concen: 0.846 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

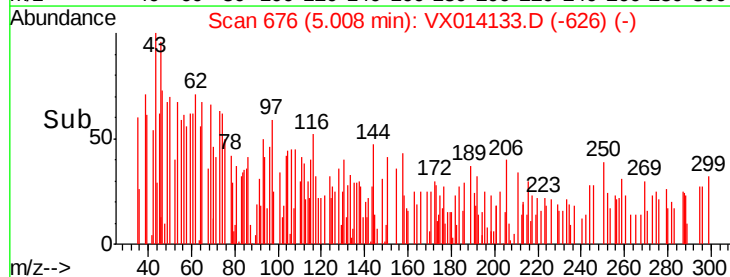
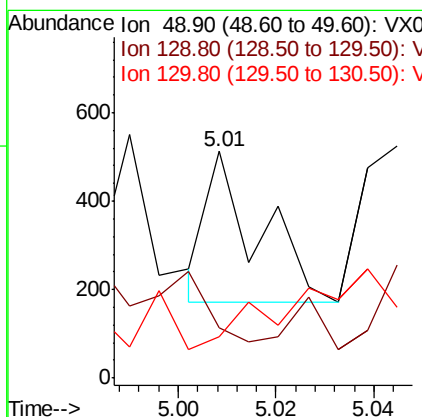
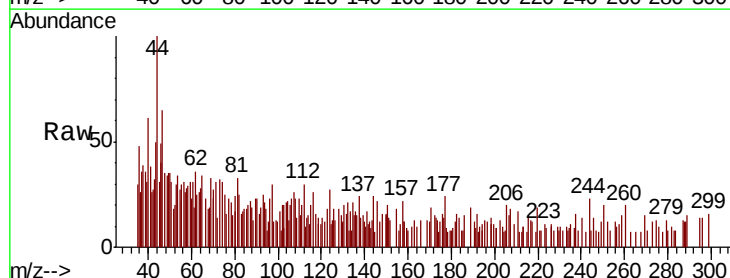
Instrument :
MSVOA_X
ClientSampled :

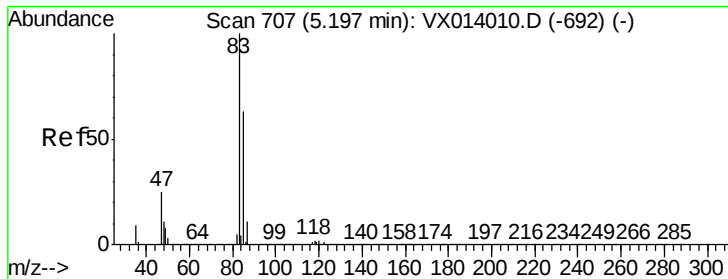
Tot Ion: 76 Resp: 1429
Ion Ratio Lower Upper
76 100
78 14.2 7.2 10.8#



#28
Bromochloromethane
Concen: 0.515 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

Tgt Ion: 49 Resp: 250
Ion Ratio Lower Upper
49 100
129 21.6 0.0 5.0#
130 0.0 64.6 97.0#

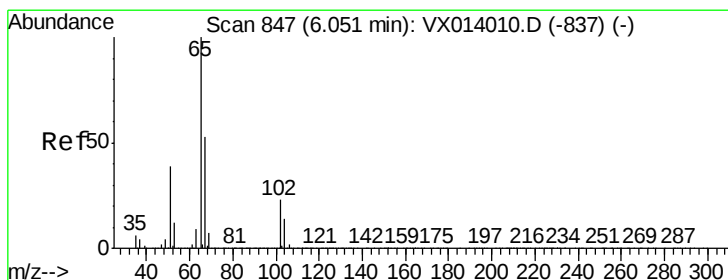
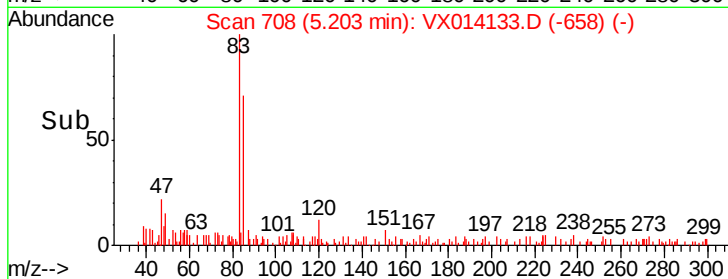
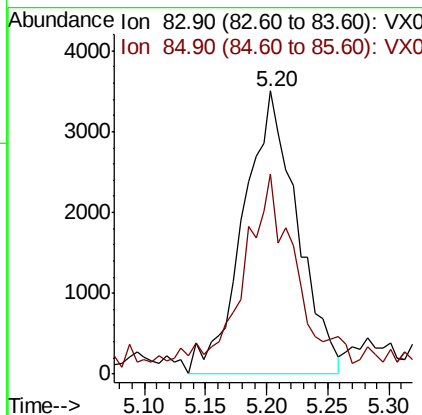
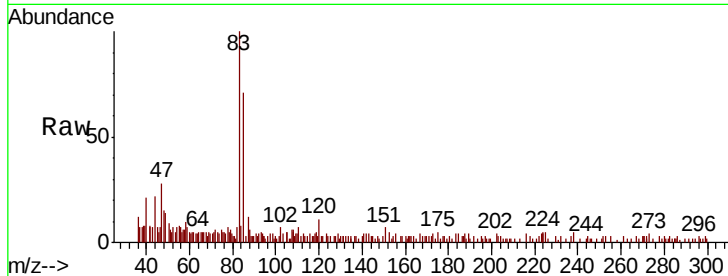




#30
Chloroform
Concen: 1.078 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

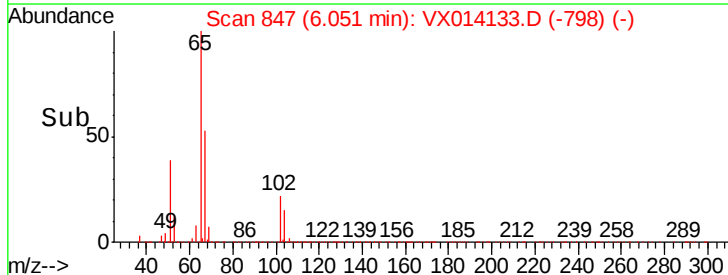
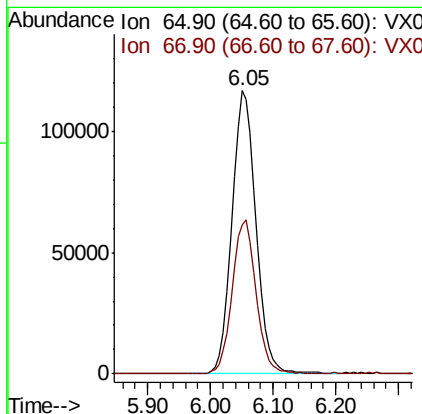
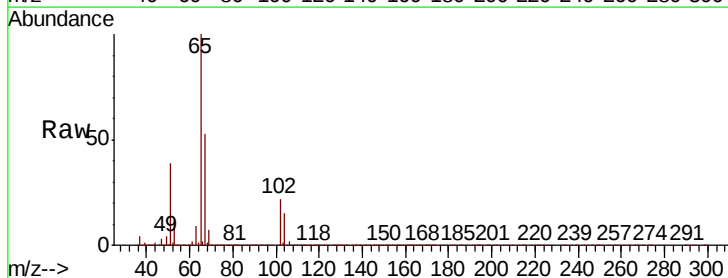
Instrument :
MSVOA_X
ClientSampleId :

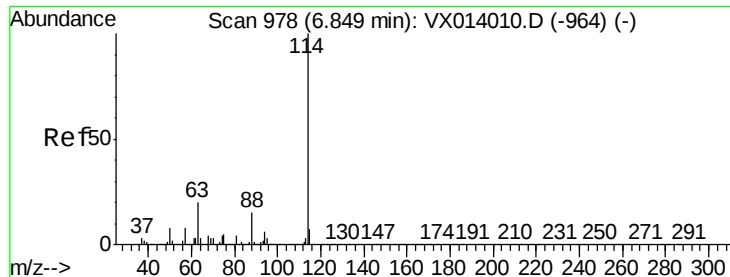
Tot Ion: 83 Resp: 10718
Ion Ratio Lower Upper
83 100
85 64.6 50.8 76.2



#33
1,2-Dichloroethane-d4
Concen: 49.299 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

Tgt Ion: 65 Resp: 307648
Ion Ratio Lower Upper
65 100
67 54.3 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: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

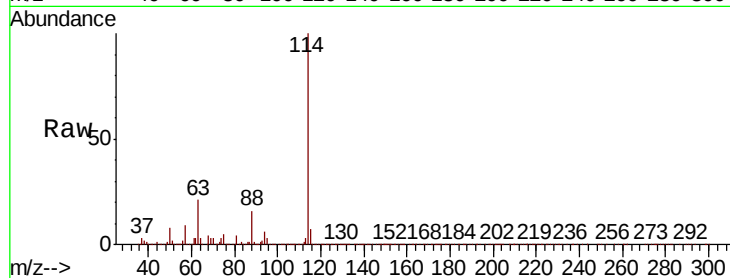
Tot Ion:114 Resp: 859159

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

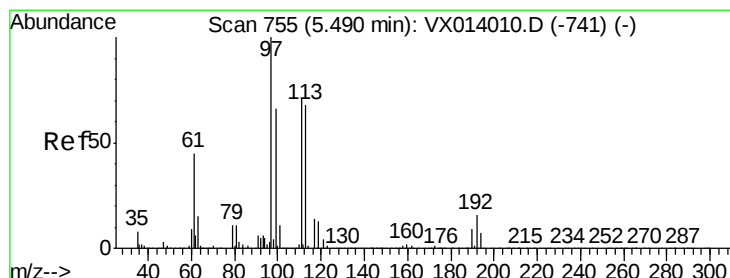
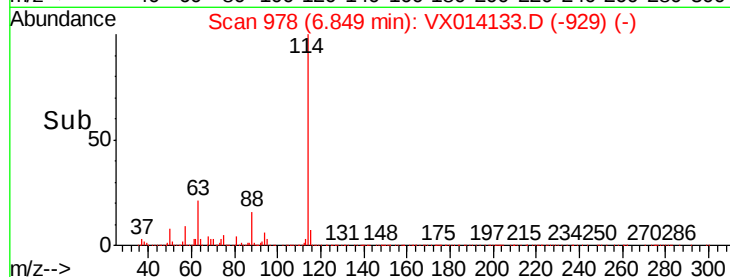
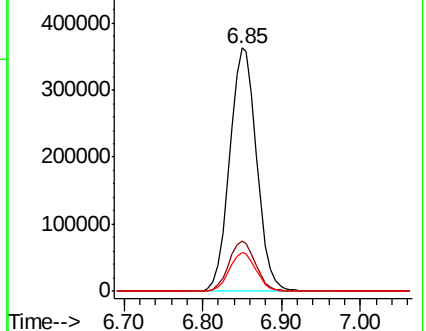
88 16.1 0.0 30.4



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: 48.920 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

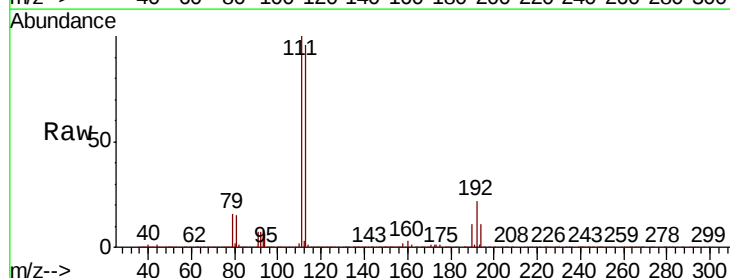
Tgt Ion:113 Resp: 255495

Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

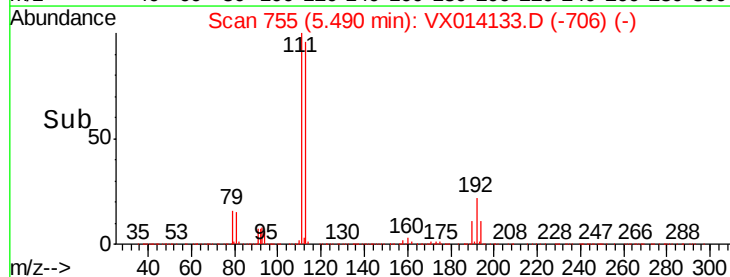
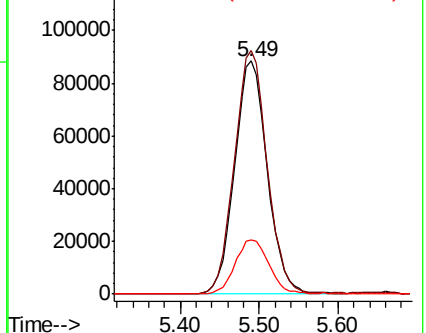
192 23.7 19.3 28.9

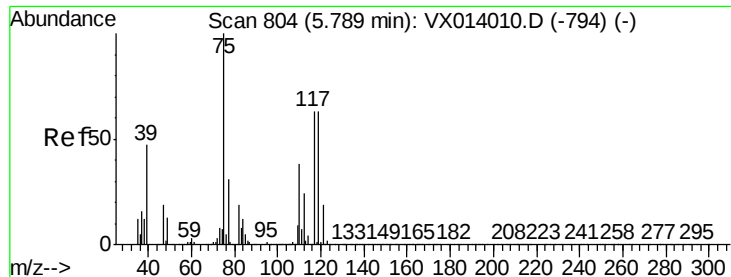


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

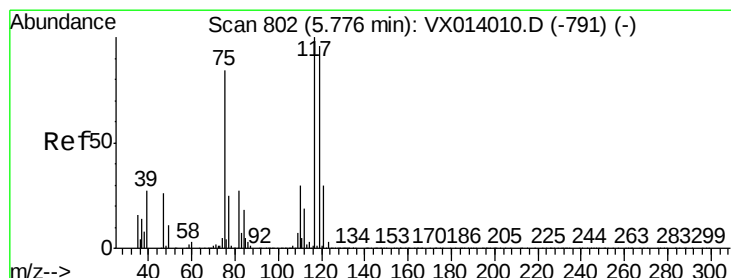
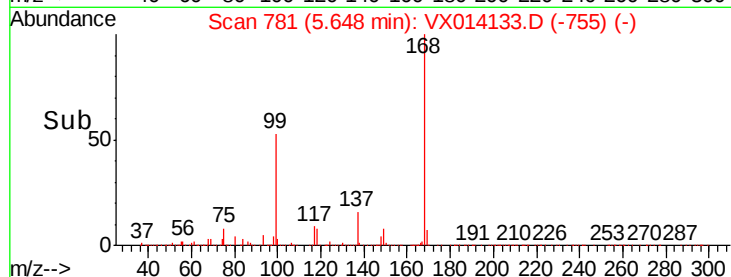
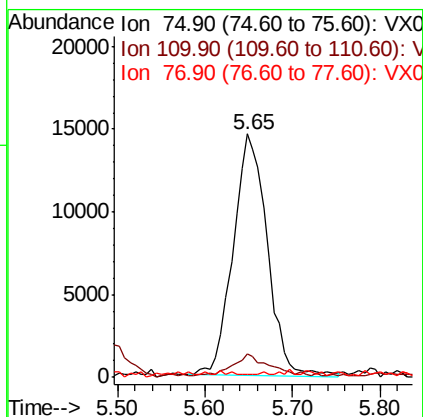
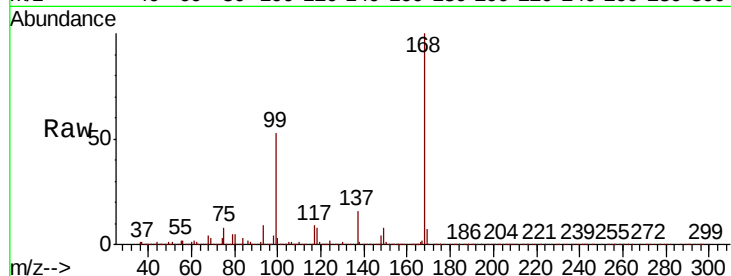




#36
 1,1-Dichloropropene
 Concen: 5.029 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014133.D
 Acq: 19 Dec 2019 20:07

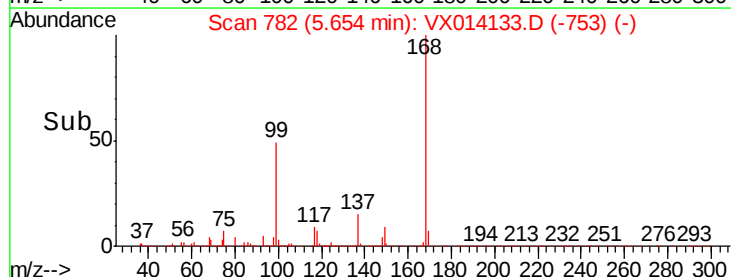
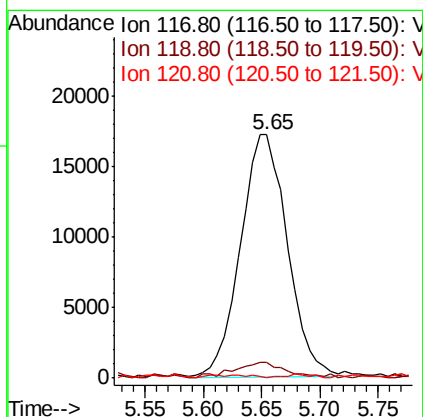
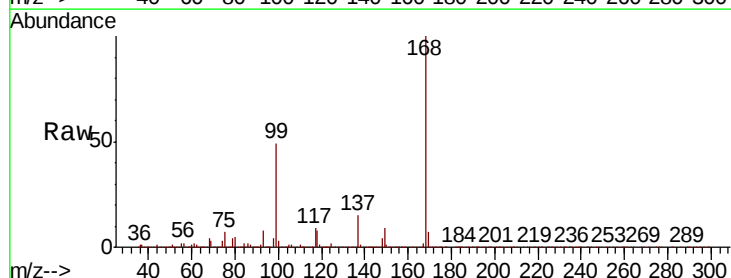
Instrument :
 MSVOA_X
 ClientSampleId :

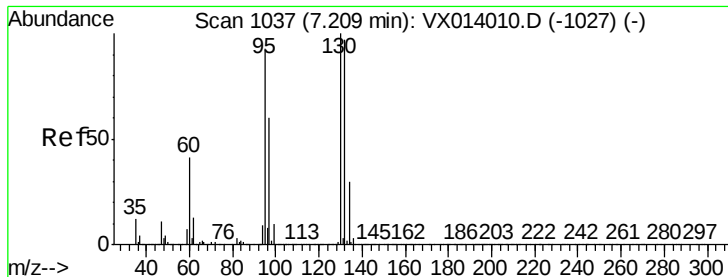
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.9#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.721 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014133.D
 Acq: 19 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.2	114.4#
121	0.0	23.6	35.4#





#44

Trichloroethene

Concen: 0.200 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

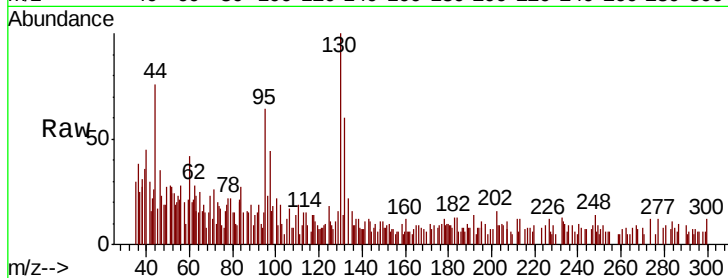
ClientSampled :

Tot Ion:130 Resp: 1341

Ion Ratio Lower Upper

130 100

95 55.1 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1200

1000

800

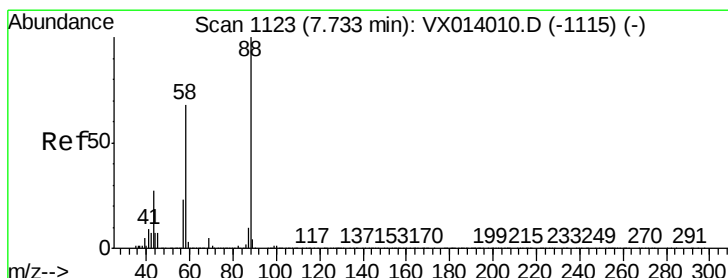
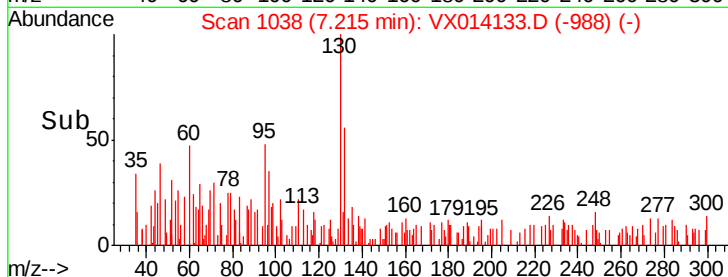
600

400

200

0

Time--> 7.15 7.20 7.25



#49

1,4-Dioxane

Concen: 1.532 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

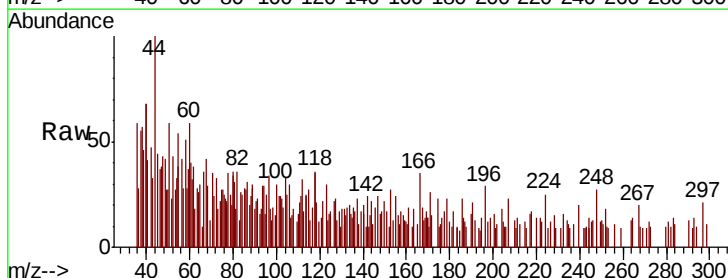
Tgt Ion: 88 Resp: 220

Ion Ratio Lower Upper

88 100

43 429.5 26.5 39.7#

58 27.3 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

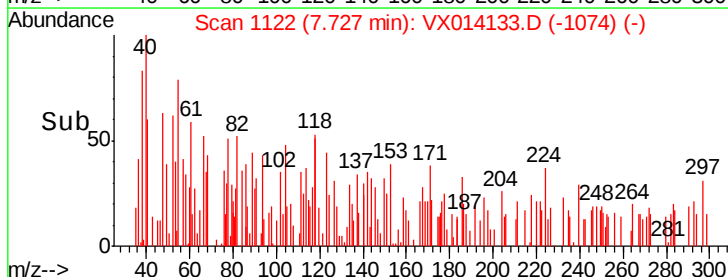
600

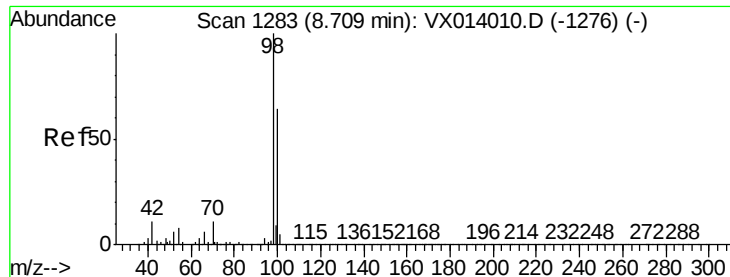
400

200

0

Time--> 7.68 7.70 7.72 7.74 7.76





#50

Toluene-d8

Concen: 49.701 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

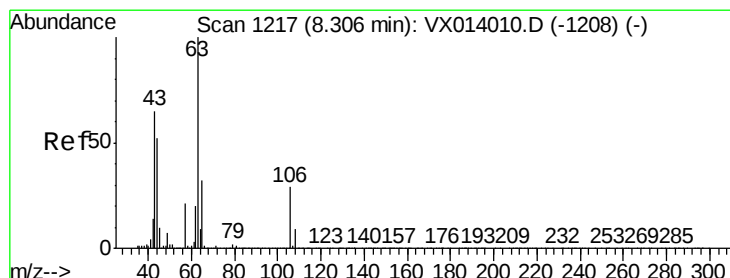
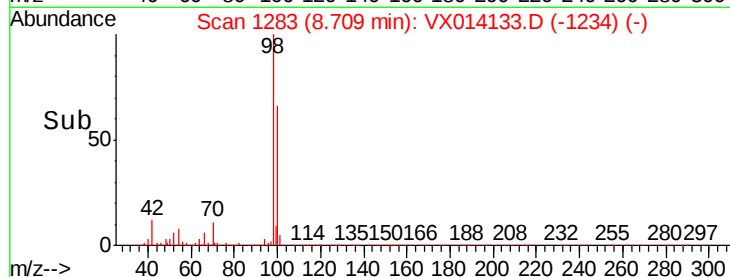
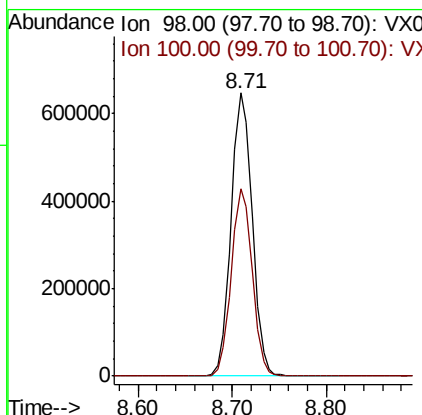
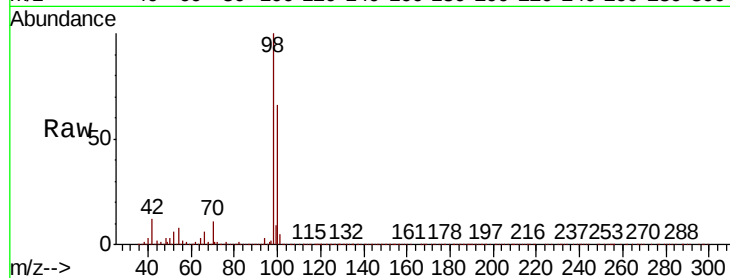
ClientSampleId :

Tot Ion: 98 Resp: 1010585

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#58

2-Chloroethyl Vinyl ether

Concen: 0.206 ug/l

RT: 8.12 min Scan# 1187

Delta R.T. -0.18 min

Lab File: VX014133.D

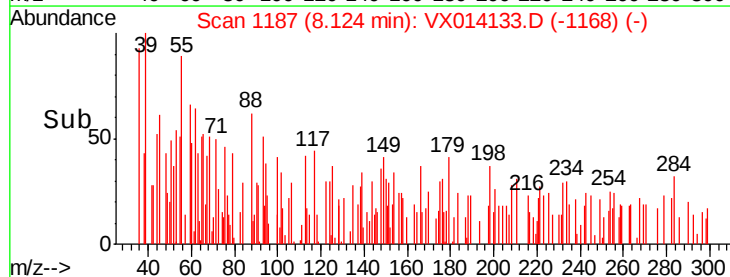
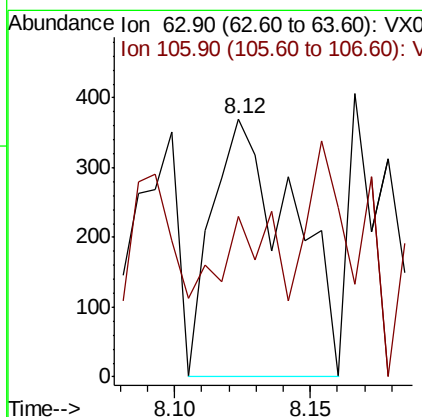
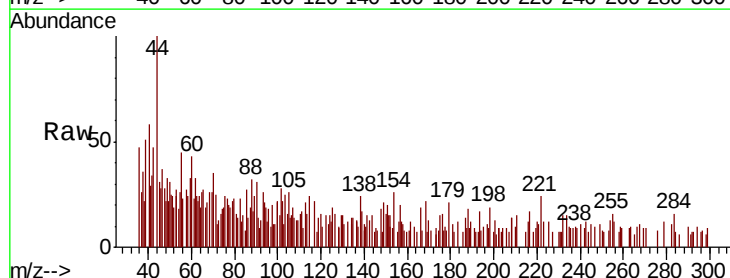
Acq: 19 Dec 2019 20:07

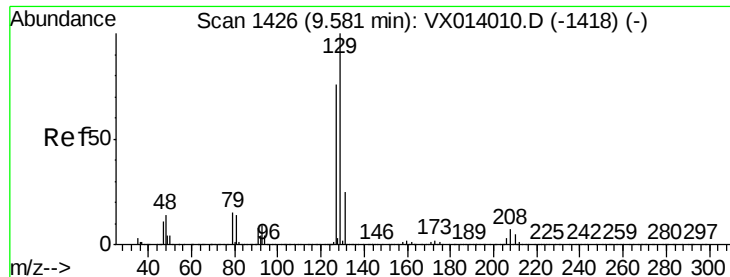
Tgt Ion: 63 Resp: 752

Ion Ratio Lower Upper

63 100

106 32.0 23.0 34.6

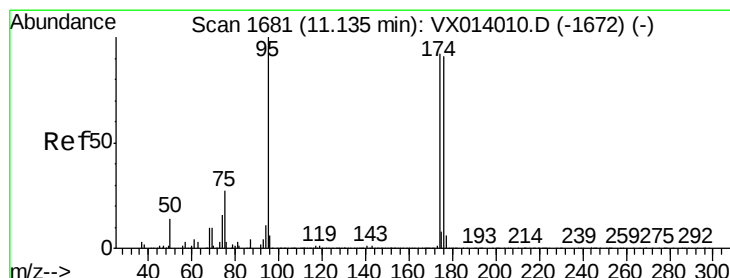
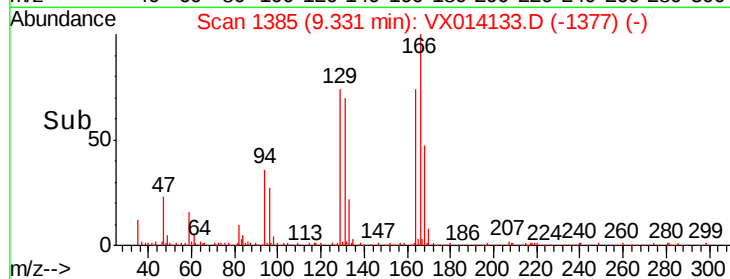
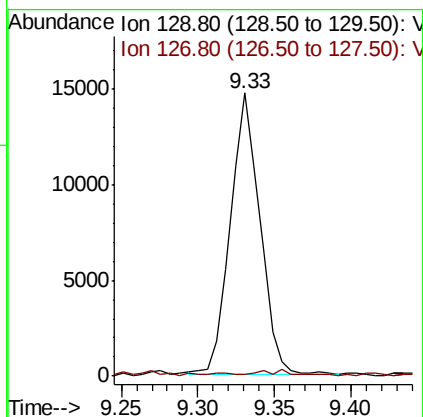
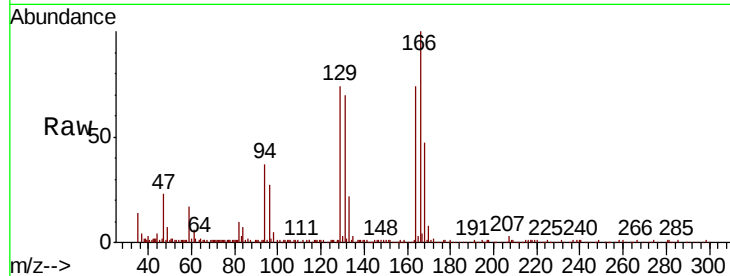




#60
 Dibromochloromethane
 Concen: 3.221 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX014133.D
 Acq: 19 Dec 2019 20:07

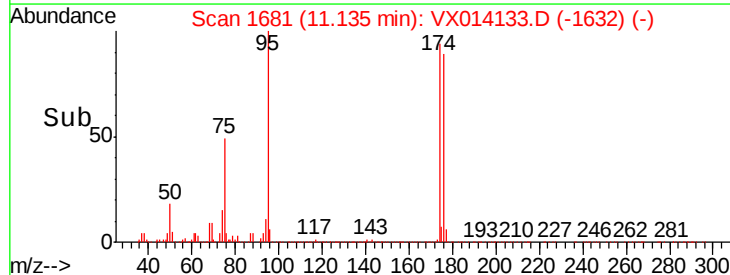
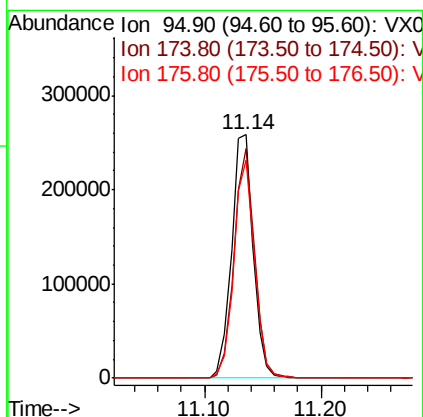
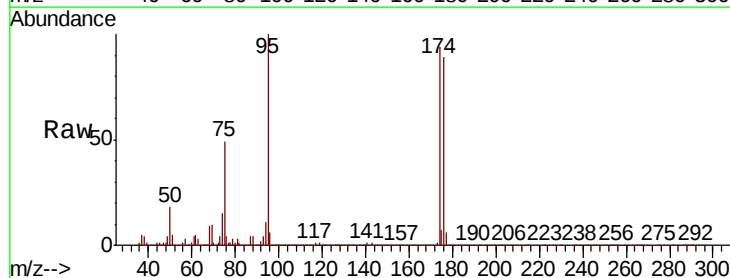
Instrument :
 MSVOA_X
 ClientSampleId :

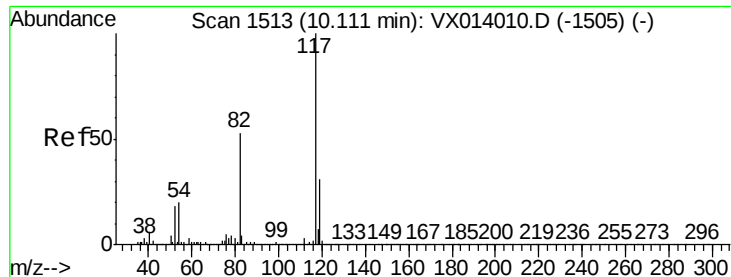
Tot Ion:129 Resp: 19672
 Ion Ratio Lower Upper
 129 100
 127 0.5 38.4 115.2#



#62
 4-Bromofluorobenzene
 Concen: 45.082 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014133.D
 Acq: 19 Dec 2019 20:07

Tgt Ion: 95 Resp: 335081
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 175.8
 176 86.3 0.0 173.0

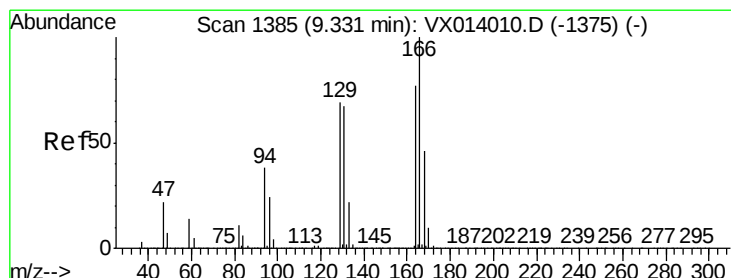
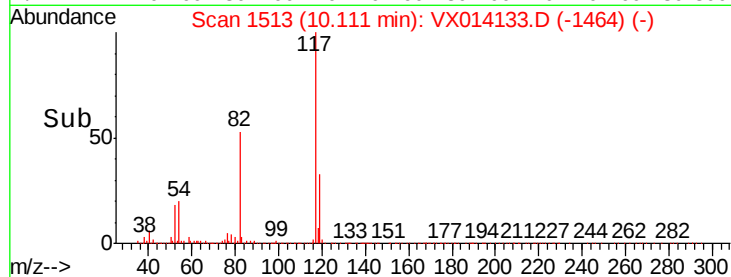
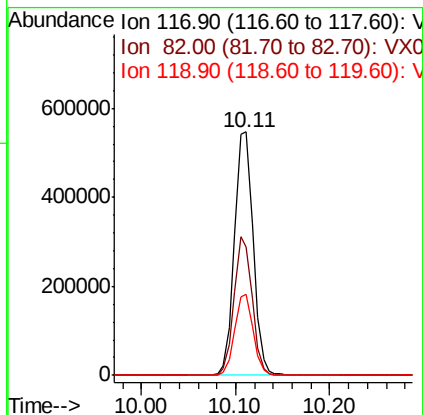
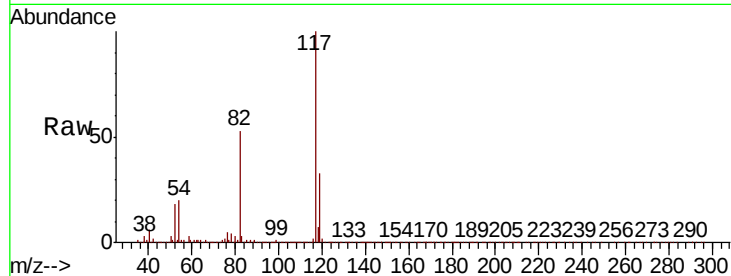




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

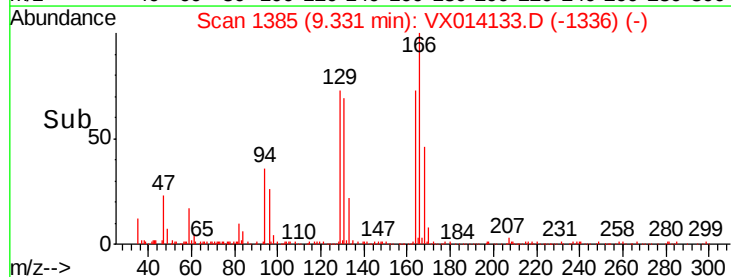
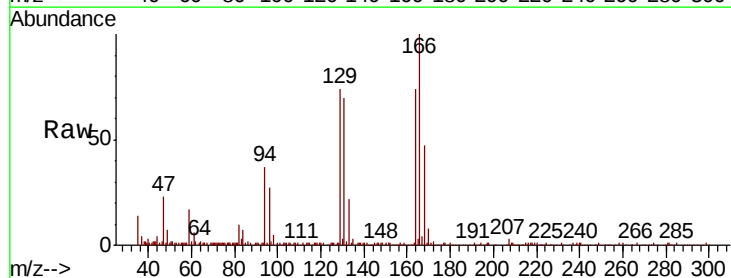
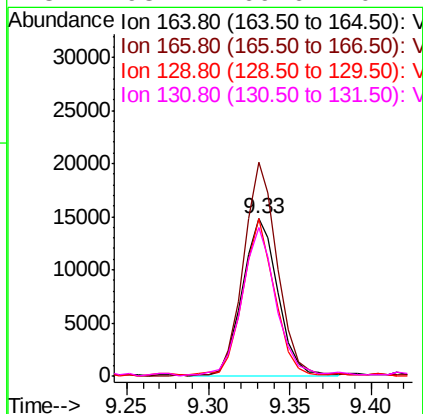
Instrument :
MSVOA_X
ClientSampleId :

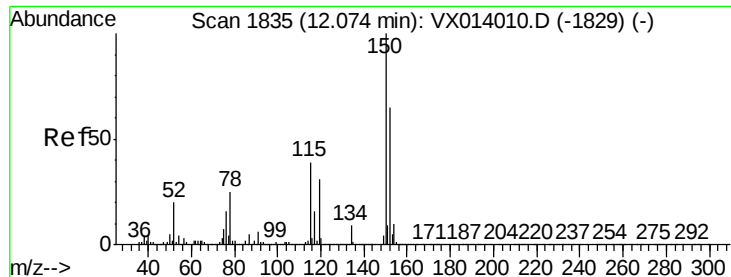
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.4
119	33.1	25.1	37.7



#64
Tetrachloroethene
Concen: 3.357 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014133.D
Acq: 19 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.0	104.0	156.0
129	98.8	72.2	108.4
131	93.7	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: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

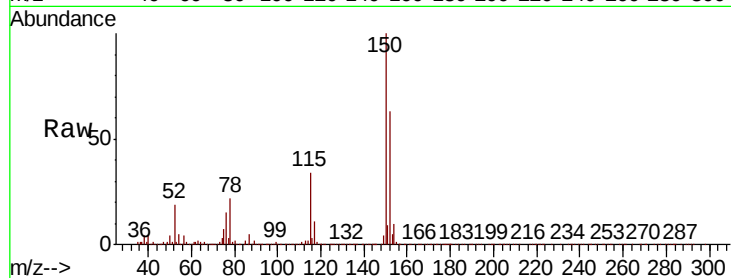
Tot Ion:152 Resp: 333587

Ion Ratio Lower Upper

152 100

115 54.4 38.3 114.9

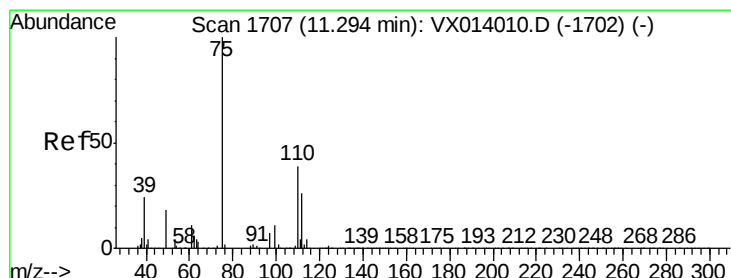
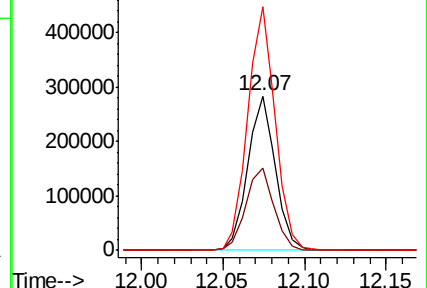
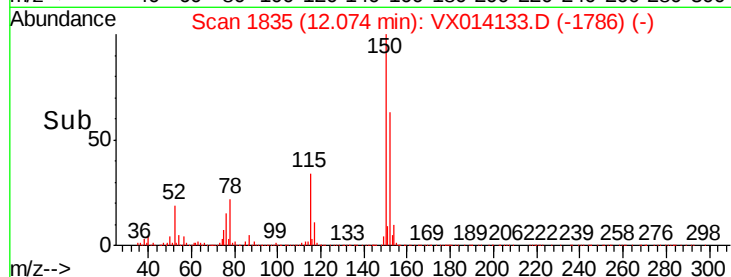
150 157.8 0.0 345.4



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: 22.698 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014133.D

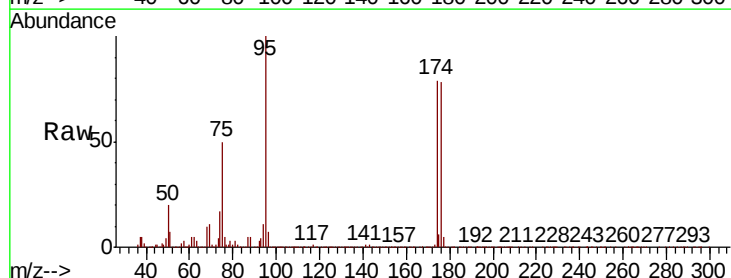
Acq: 19 Dec 2019 20:07

Tgt Ion: 75 Resp: 164383

Ion Ratio Lower Upper

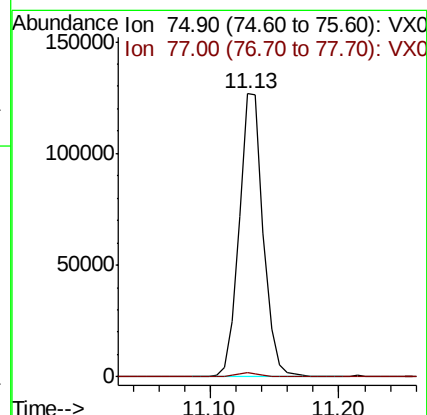
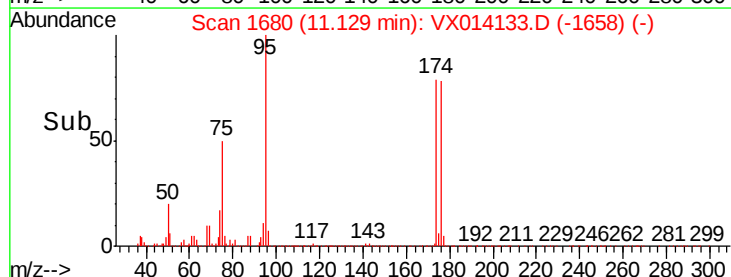
75 100

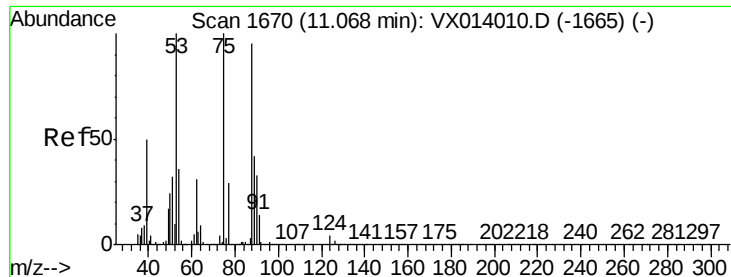
77 1.7 19.3 57.8#



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: 64.066 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014133.D

Acq: 19 Dec 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

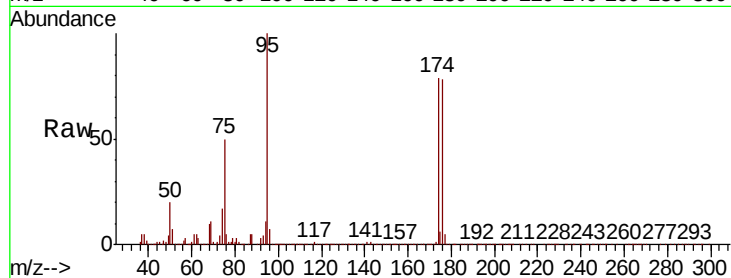
Tot Ion: 75 Resp: 164383

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 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

