

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012889.D
 Acq On : 08 Oct 2019 15:01
 Operator : JC/SP
 Sample : VX1008WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:09:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

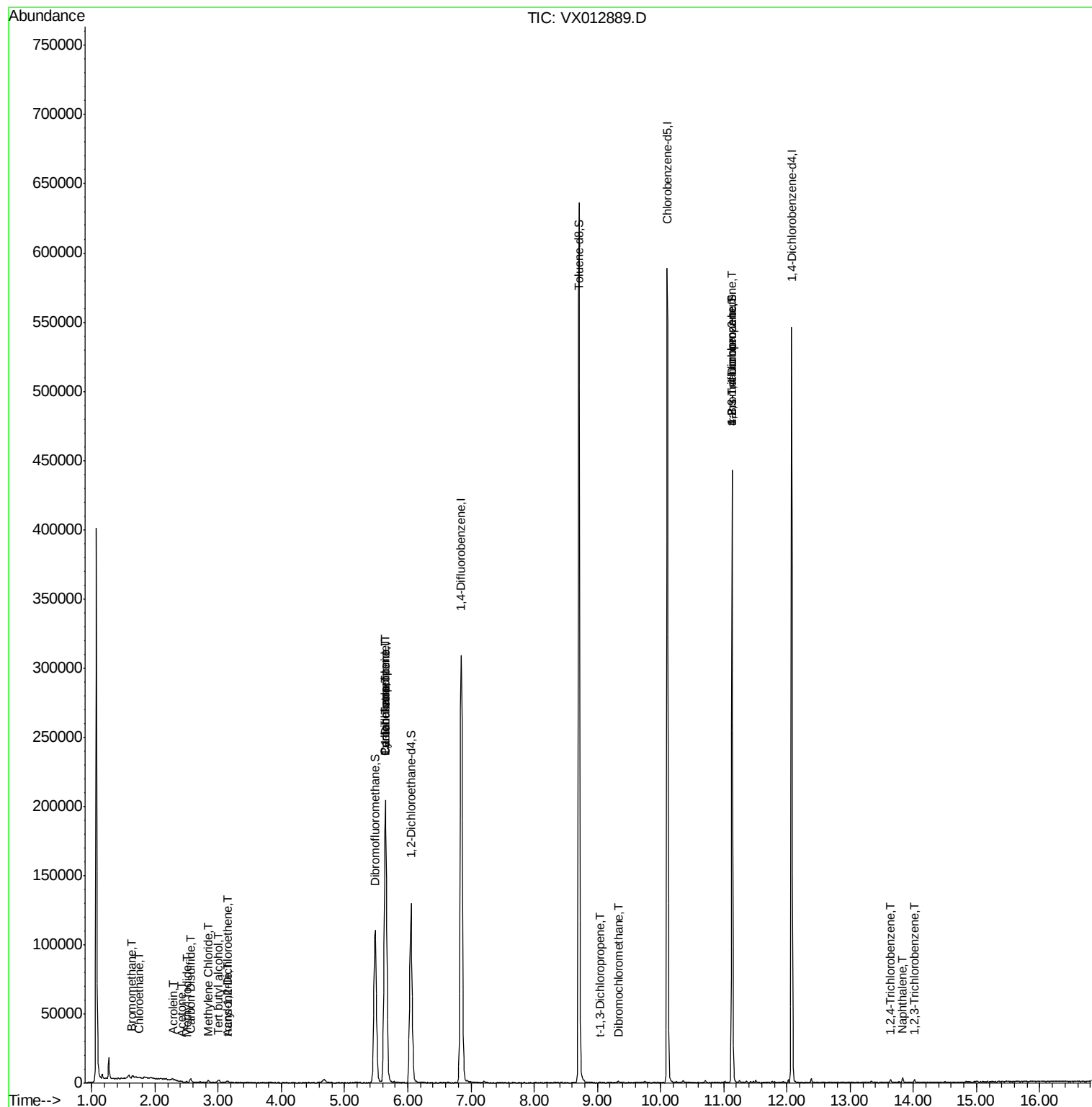
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	190329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	319698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	122129	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	5.48	113	95398	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	8.71	98	377419	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.13	95	130334	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	549	0.606	ug/l	83
6) Chloroethane	1.75	64	267	0.567	ug/l #	70
10) Methyl Iodide	2.50	142	548	5.310	ug/l #	69
11) Tert butyl alcohol	3.01	59	1353	2.146	ug/l #	72
13) Acrolein	2.28	56	217	0.484	ug/l #	66
15) Acrylonitrile	3.14	53	381	0.319	ug/l #	94
16) Acetone	2.43	43	698	0.557	ug/l	94
17) Carbon Disulfide	2.56	76	3149	0.574	ug/l	98
20) Methylene Chloride	2.84	84	630	0.273	ug/l #	85
21) trans-1,2-Dichloroethene	3.16	96	471	0.228	ug/l	96
28) Bromochloromethane	5.03	49	72	Below Cal	#	13
31) Cyclohexane	5.64	56	4118	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15101	5.372	ug/l #	49
38) Carbon Tetrachloride	5.64	117	20127	7.357	ug/l #	16
53) t-1,3-Dichloropropene	9.04	75	302	2.253	ug/l #	77
60) Dibromochloromethane	9.33	129	202	1.940	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	65357	27.699	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	65357	69.494	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	795	0.378	ug/l	91
95) Naphthalene	13.83	128	2384	0.327	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	616	0.284	ug/l	95

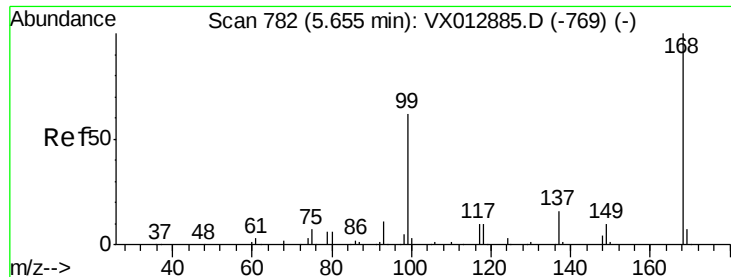
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 09 02:09:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

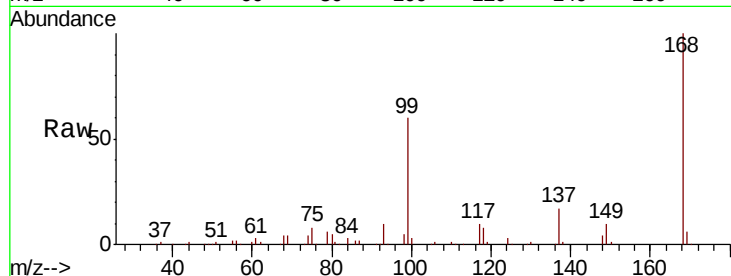
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 190329

Ion Ratio Lower Upper

168 100

99 60.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

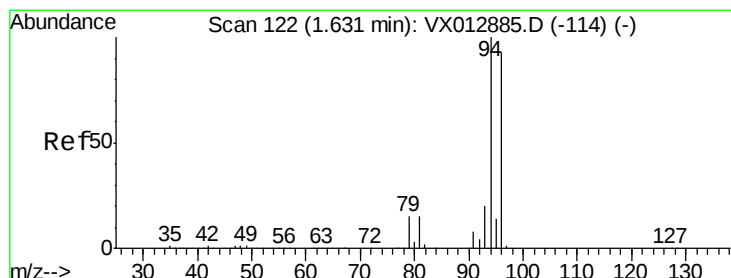
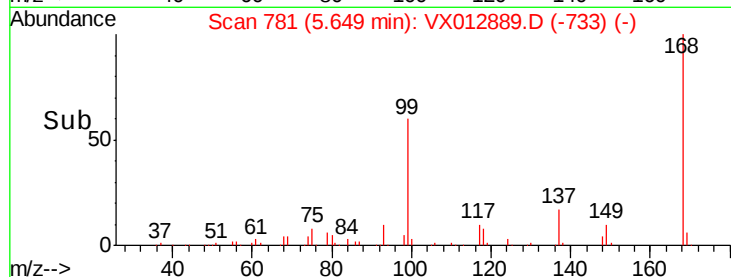
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.606 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012889.D

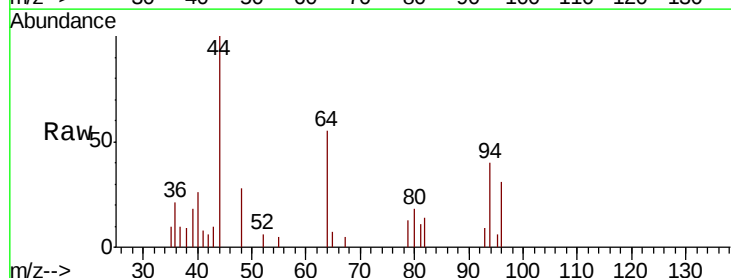
Acq: 08 Oct 2019 15:01

Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

96 77.1 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

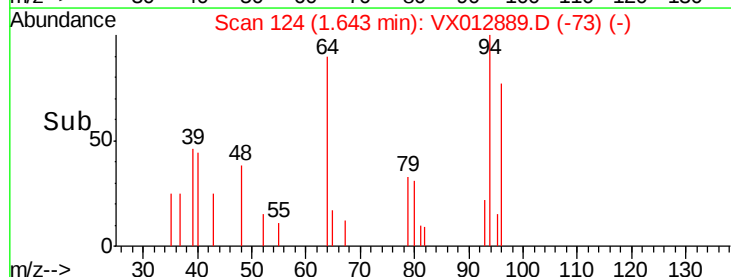
300

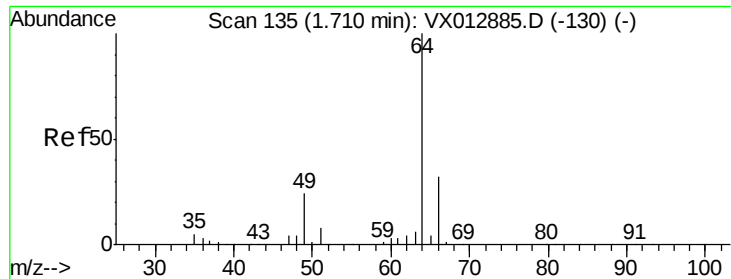
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.567 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_X

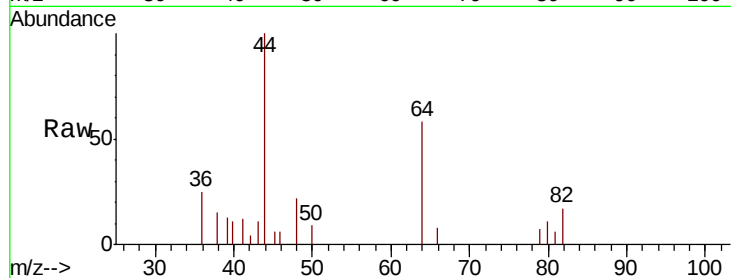
ClientSampleId :

Tot Ion: 64 Resp: 267

Ion Ratio Lower Upper

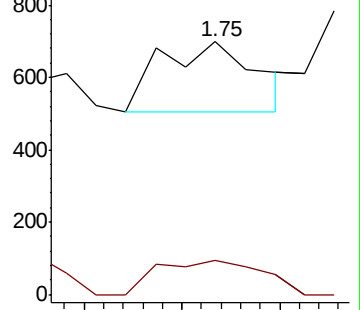
64 100

66 48.7 25.6 38.4#

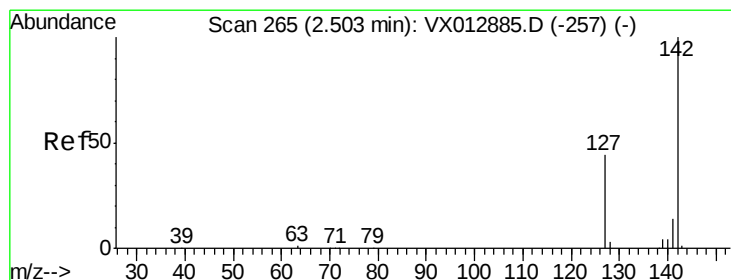
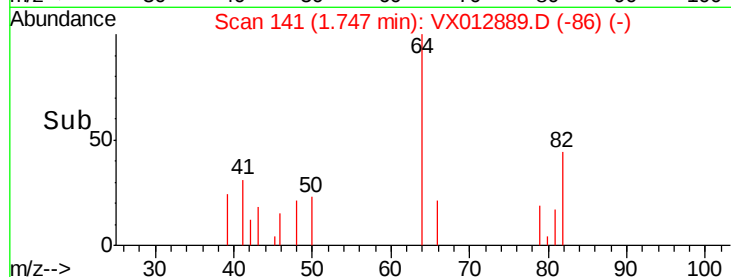


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 5.310 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

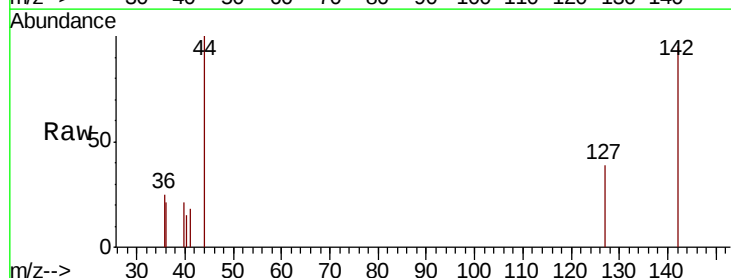
Tgt Ion: 142 Resp: 548

Ion Ratio Lower Upper

142 100

127 24.3 34.9 52.3#

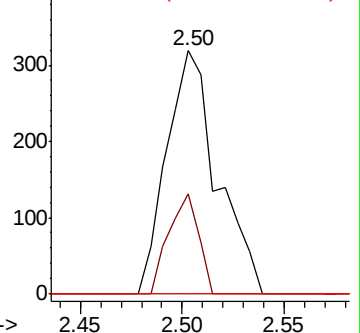
141 0.0 11.6 17.4#



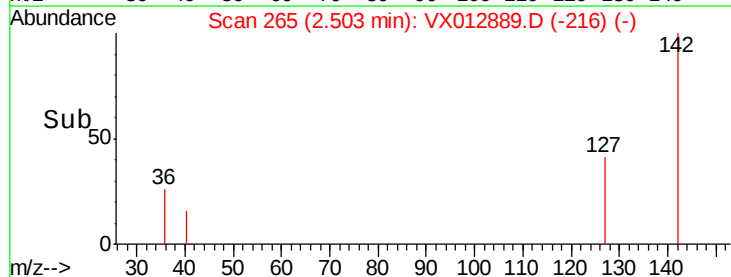
Abundance Ion 141.80 (141.50 to 142.50): V

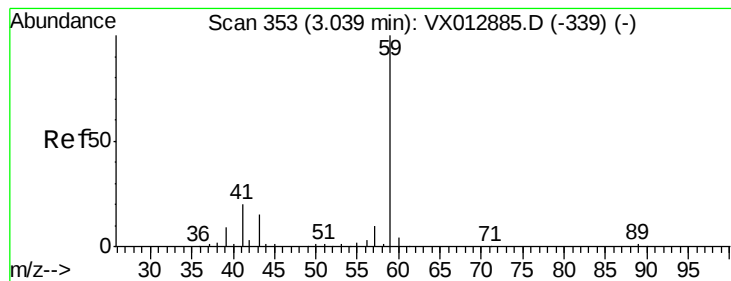
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



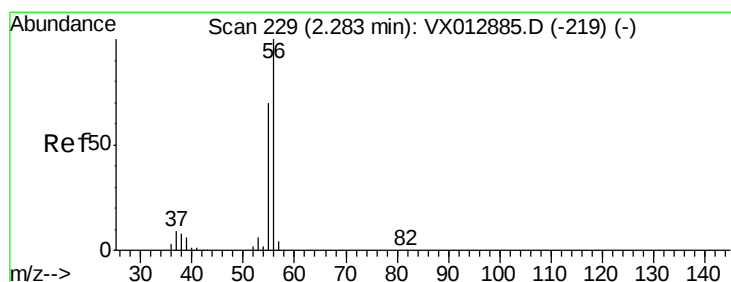
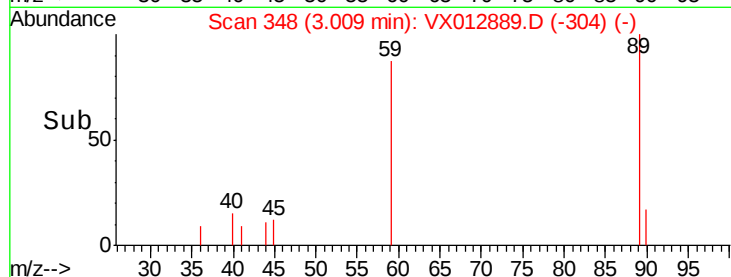
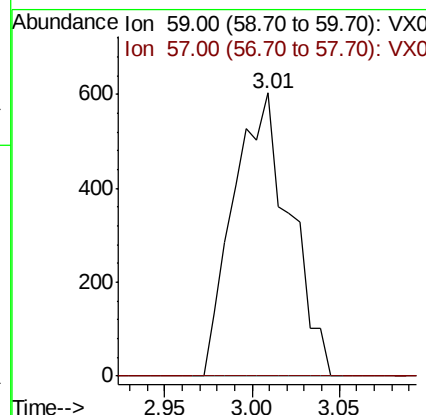
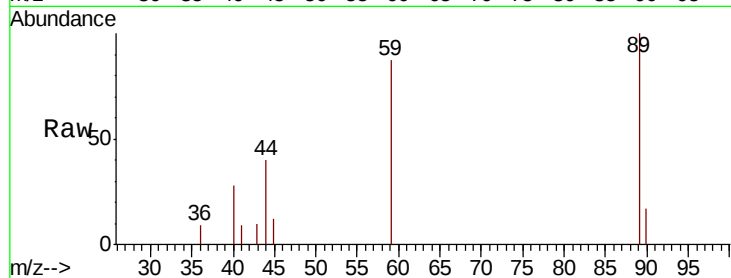


#11

Tert butyl alcohol
 Concen: 2.146 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012889.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :

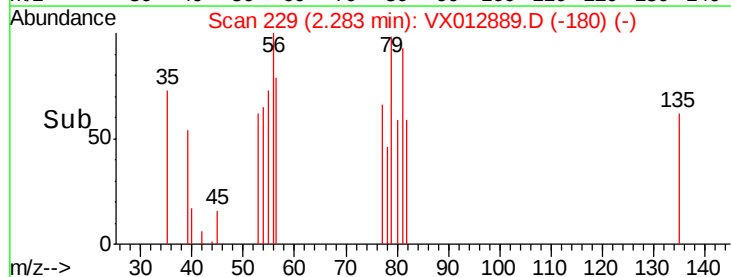
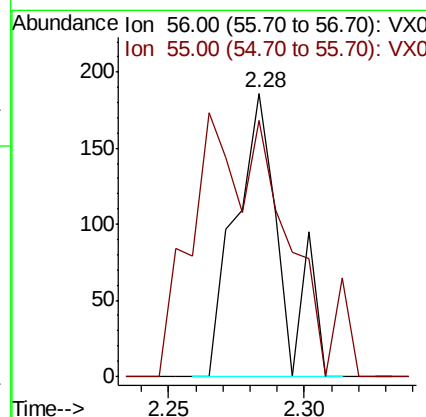
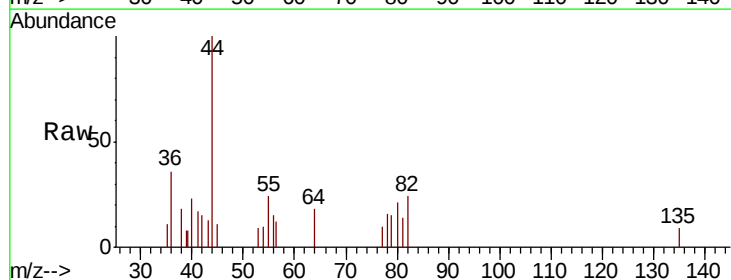
Tot Ion: 59 Resp: 1353
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

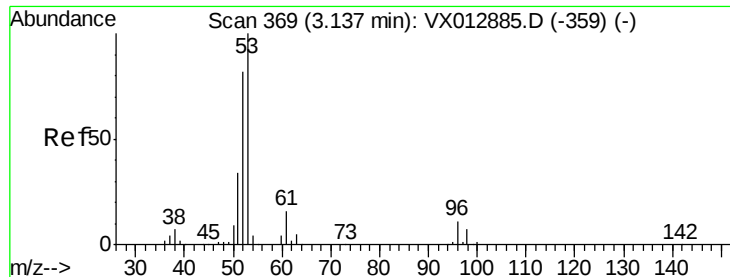


#13

Acrolein
 Concen: 0.484 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012889.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 56 Resp: 217
 Ion Ratio Lower Upper
 56 100
 55 99.1 56.6 85.0#





#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_X
ClientSampled :

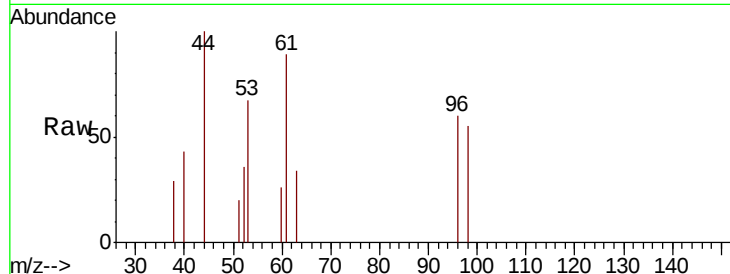
Tot Ion: 53 Resp: 381

Ion Ratio Lower Upper

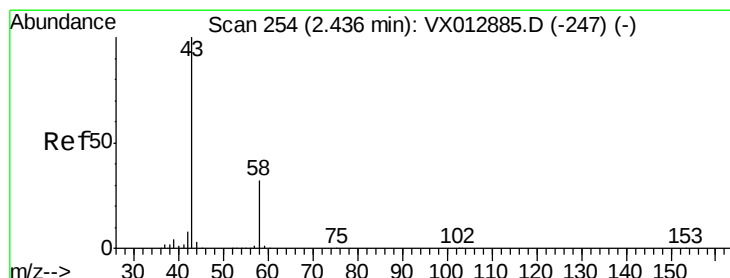
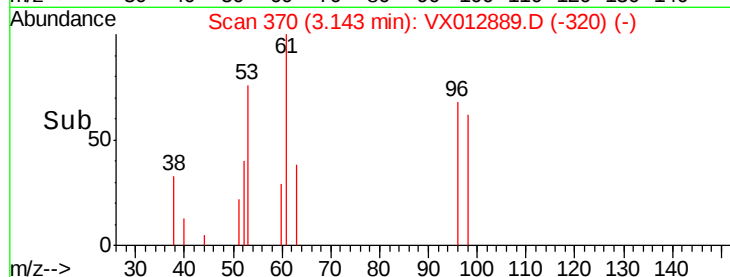
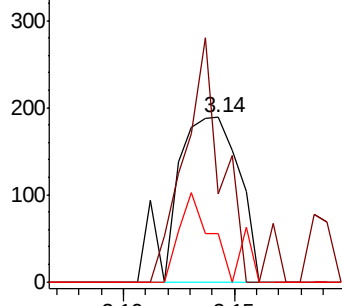
53 100

52 83.7 66.2 99.2

51 26.0 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.557 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012889.D

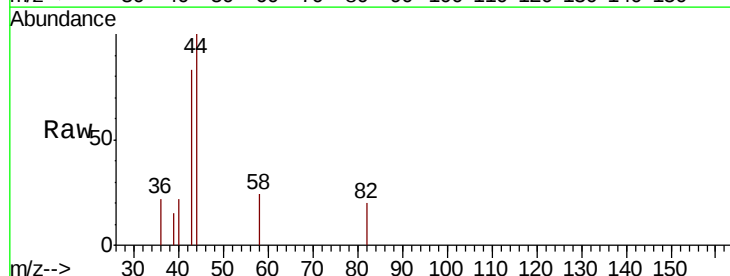
Acq: 08 Oct 2019 15:01

Tgt Ion: 43 Resp: 698

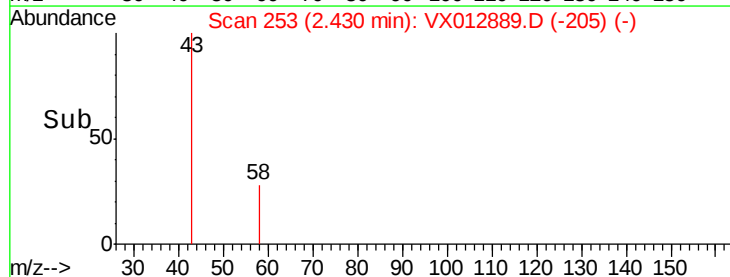
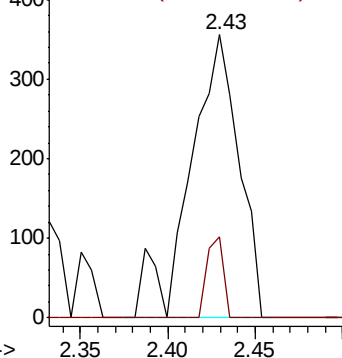
Ion Ratio Lower Upper

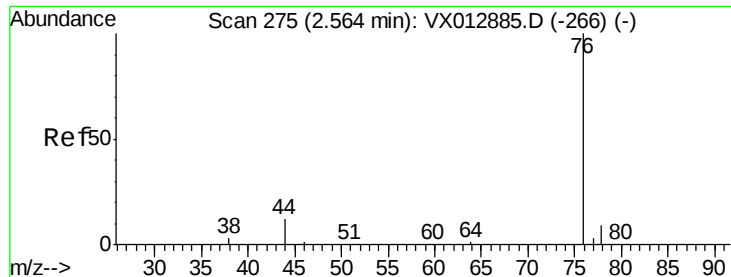
43 100

58 28.4 25.4 38.2



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

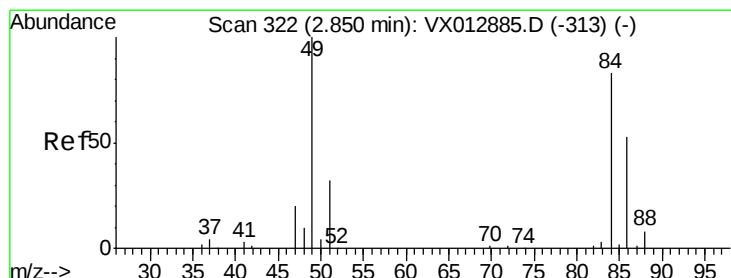
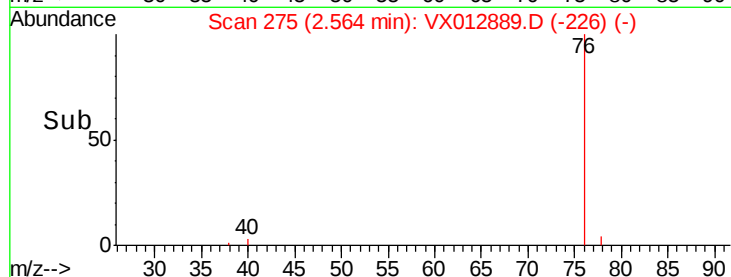
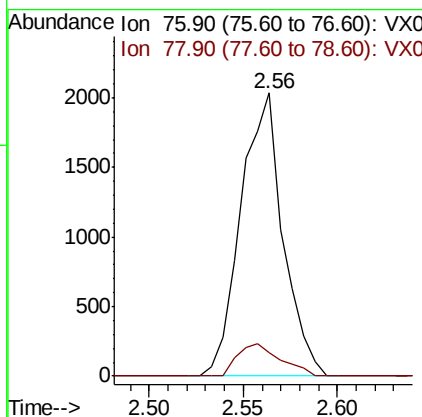
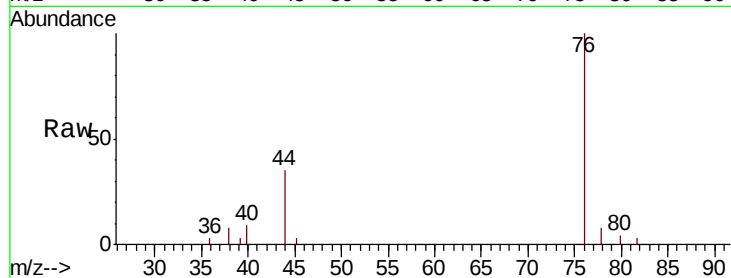




#17
Carbon Disulfide
Concen: 0.574 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

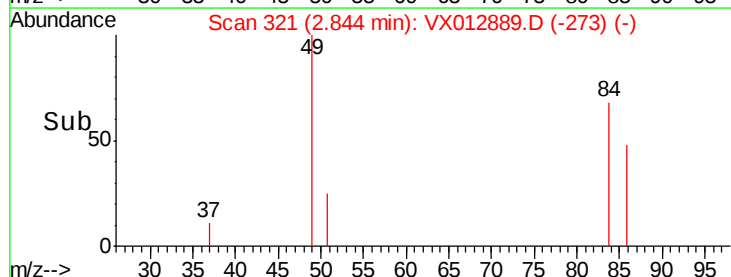
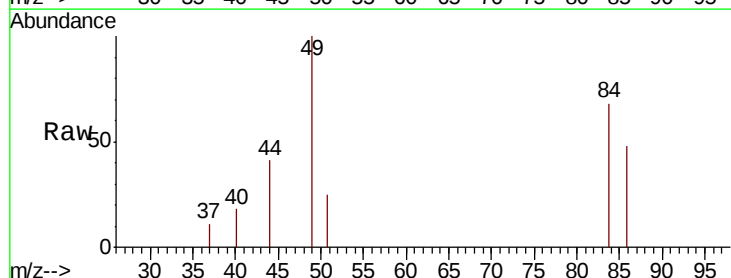
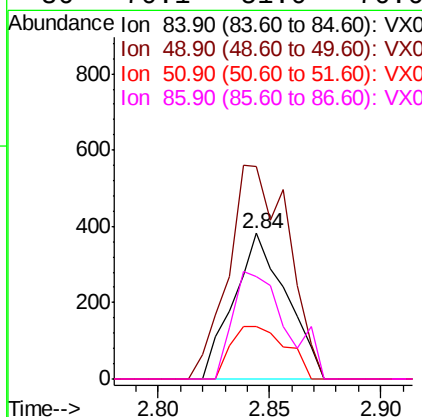
Instrument :
MSVOA_X
ClientSampleId :

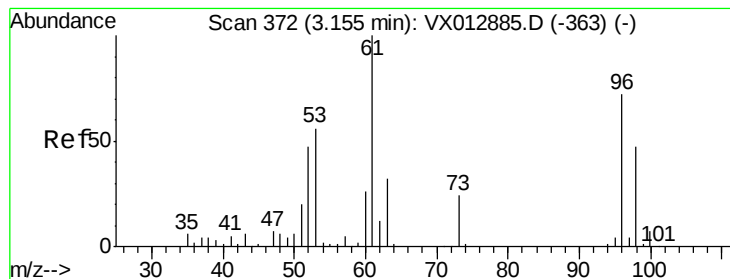
Tot Ion: 76 Resp: 3149
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 84 Resp: 630
Ion Ratio Lower Upper
84 100
49 146.2 96.6 144.8#
51 36.5 30.7 46.1
86 70.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.228 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

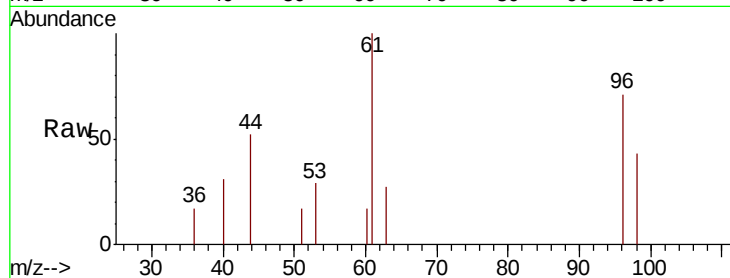
Tot Ion: 96 Resp: 471

Ion Ratio Lower Upper

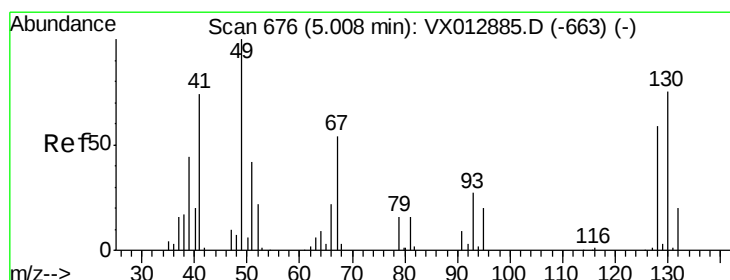
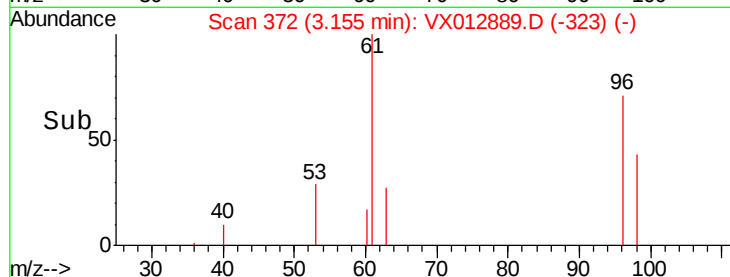
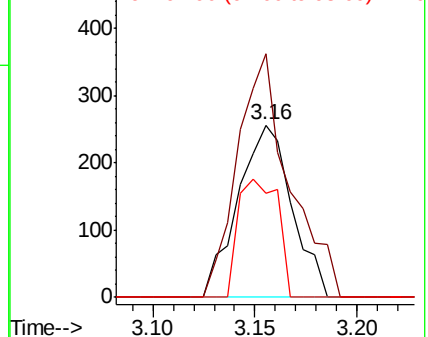
96 100

61 141.4 110.4 165.6

98 60.2 51.5 77.3



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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

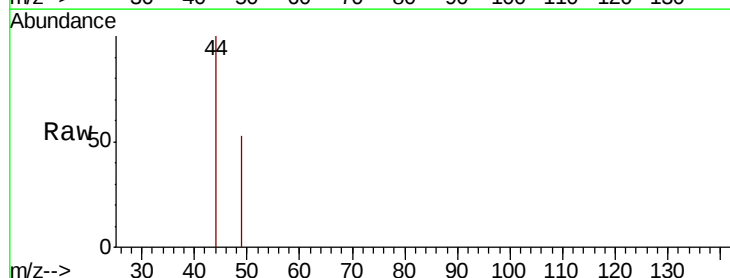
Tgt Ion: 49 Resp: 72

Ion Ratio Lower Upper

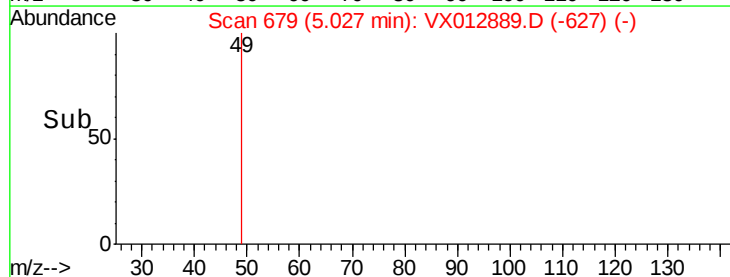
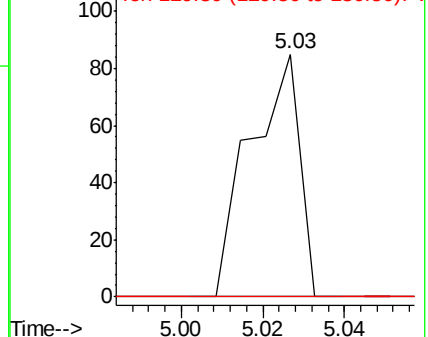
49 100

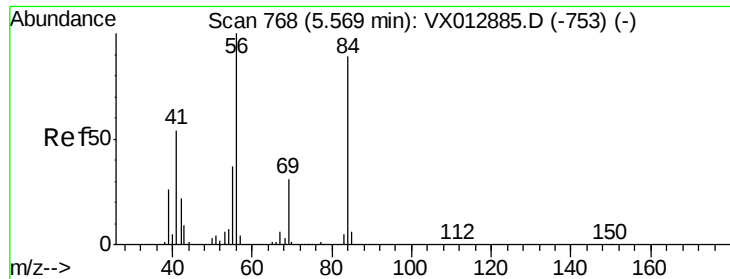
129 0.0 0.0 4.2

130 0.0 62.1 93.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

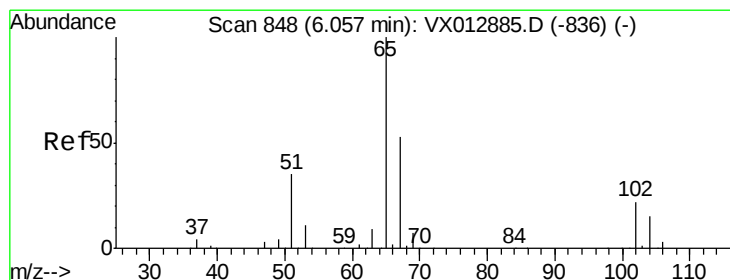
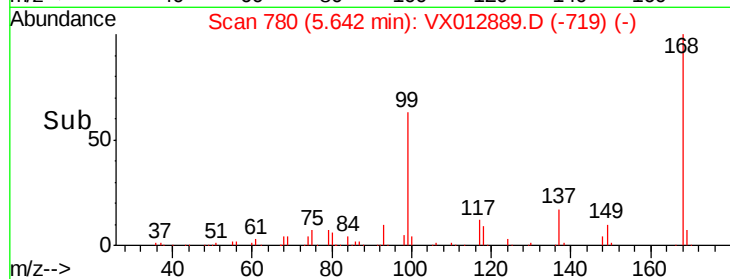
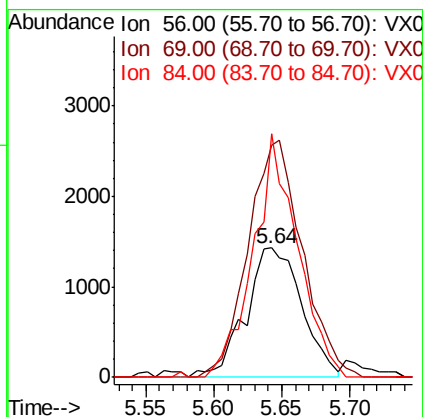
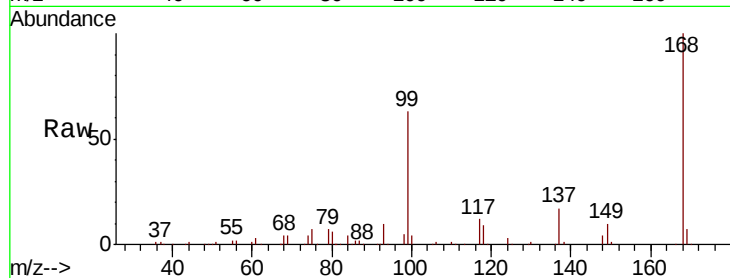




#31
Cyclohexane
Concen: 1.193 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

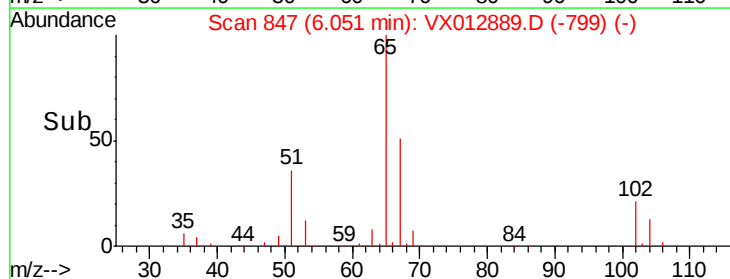
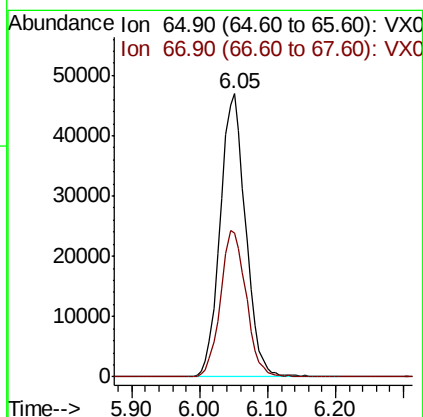
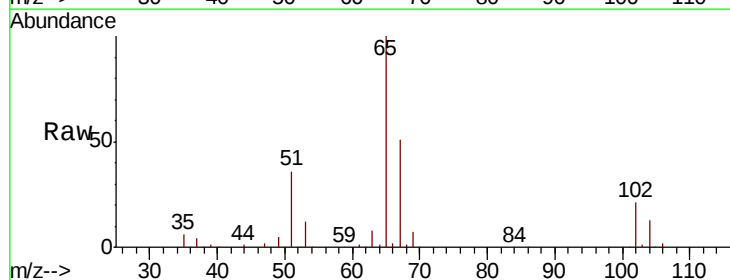
Instrument :
MSVOA_X
ClientSampleId :

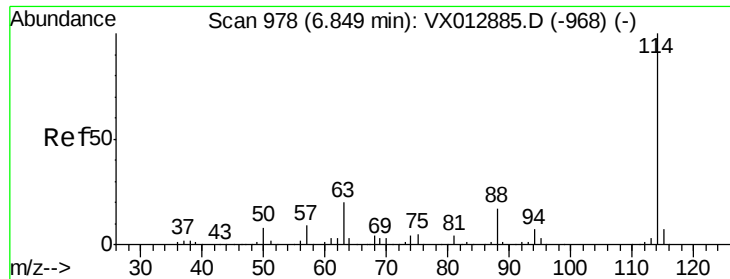
Tot Ion: 56 Resp: 4118
Ion Ratio Lower Upper
56 100
69 179.4 25.2 37.8#
84 188.3 71.3 106.9#



#33
1,2-Dichloroethane-d4
Concen: 51.339 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 65 Resp: 122129
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

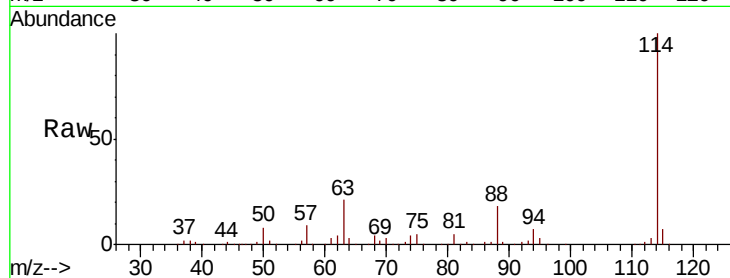




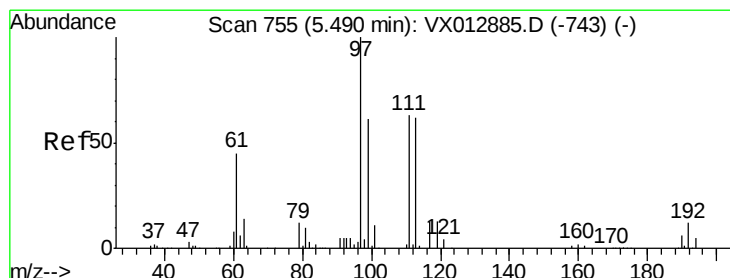
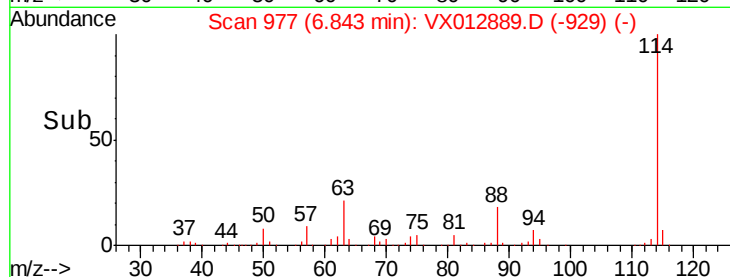
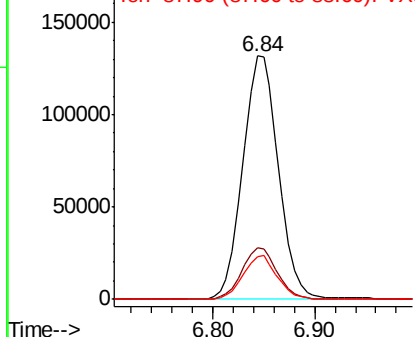
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 319698
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 17.7 0.0 33.8

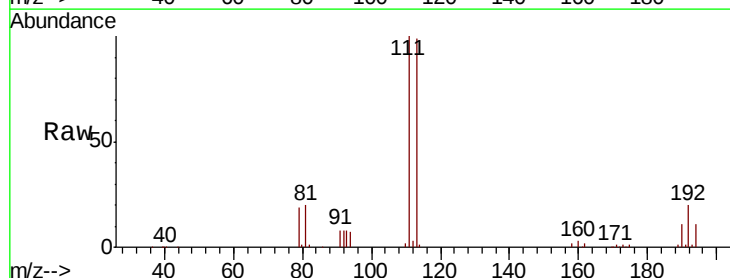


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

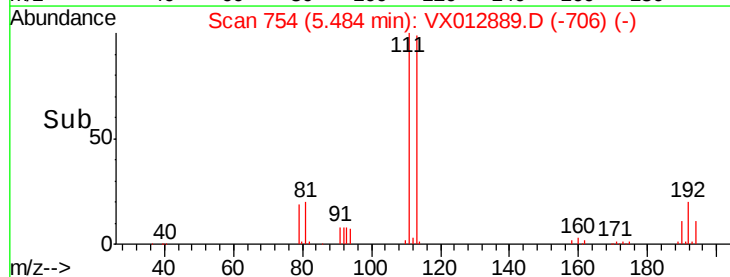
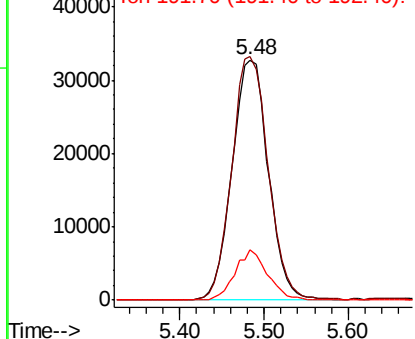


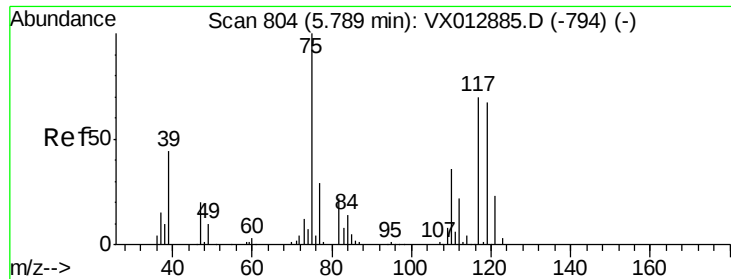
#35
Dibromofluoromethane
Concen: 51.991 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion:113 Resp: 95398
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.7 15.4 23.2



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: 5.372 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

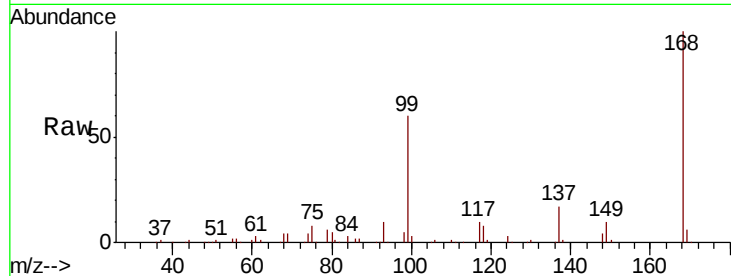
Tot Ion: 75 Resp: 15101

Ion Ratio Lower Upper

75 100

110 8.5 17.6 52.9#

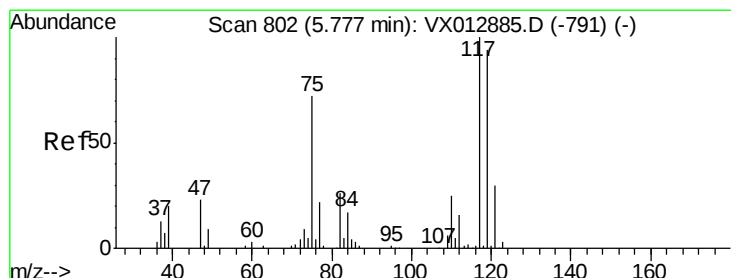
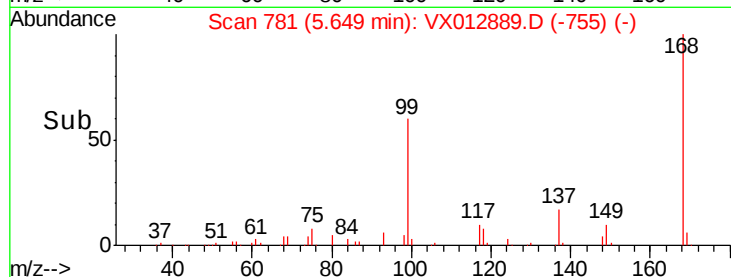
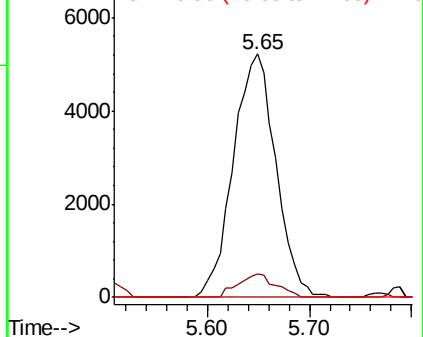
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.357 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

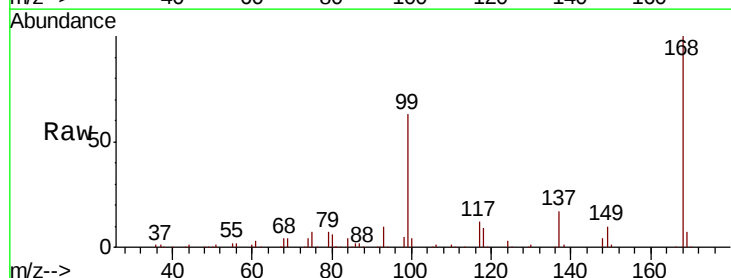
Tgt Ion: 117 Resp: 20127

Ion Ratio Lower Upper

117 100

119 3.6 74.5 111.7#

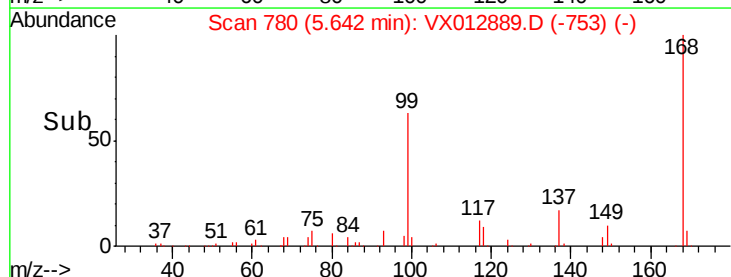
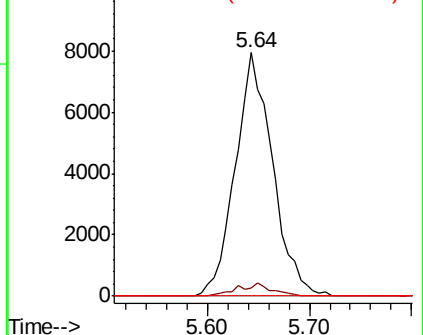
121 0.0 24.2 36.4#

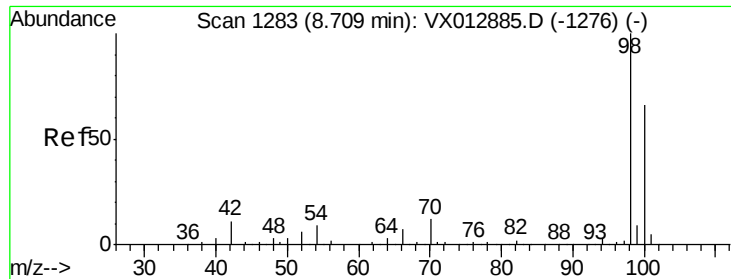


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

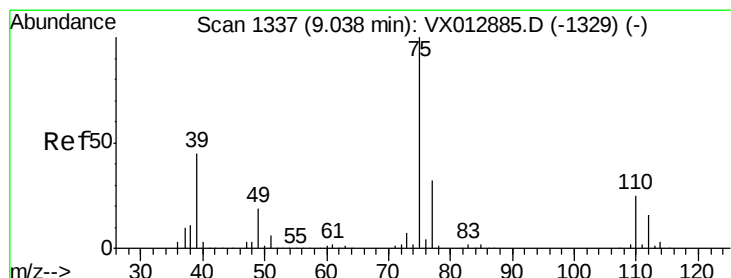
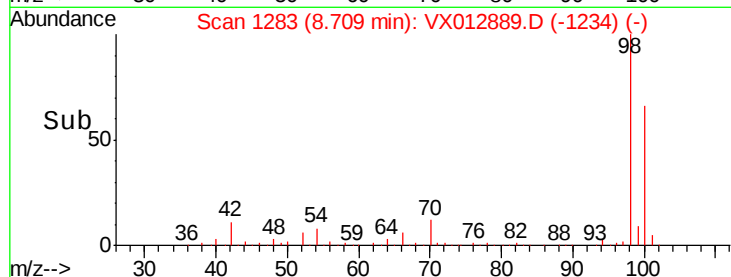
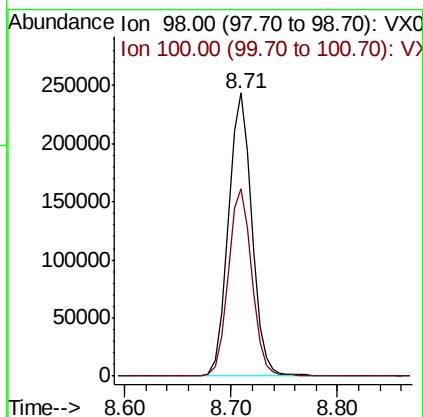
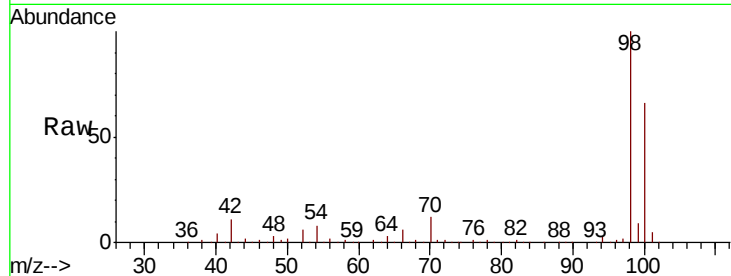




#50
Toluene-d8
Concen: 52.738 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

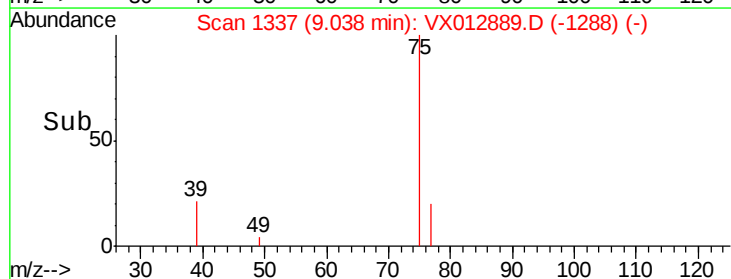
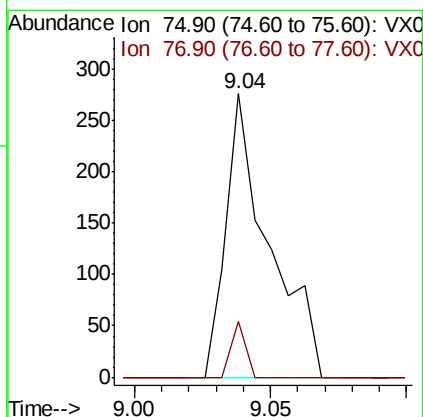
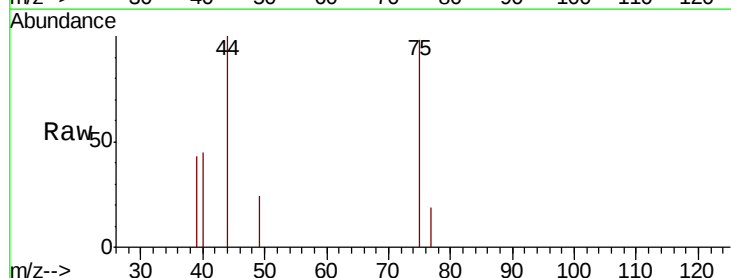
Instrument :
MSVOA_X
ClientSampled :

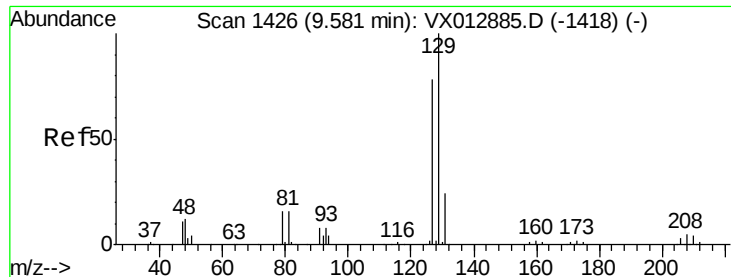
Tot Ion: 98 Resp: 377419
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#53
t-1,3-Dichloropropene
Concen: 2.253 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 75 Resp: 302
Ion Ratio Lower Upper
75 100
77 19.6 25.8 38.6#

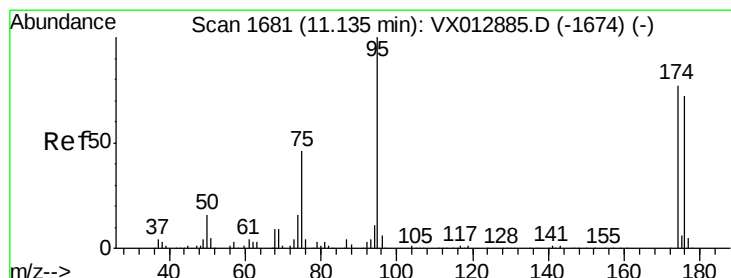
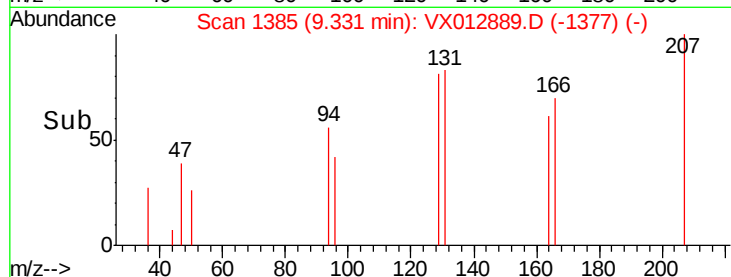
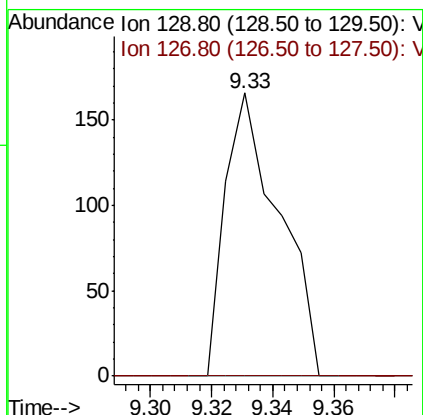
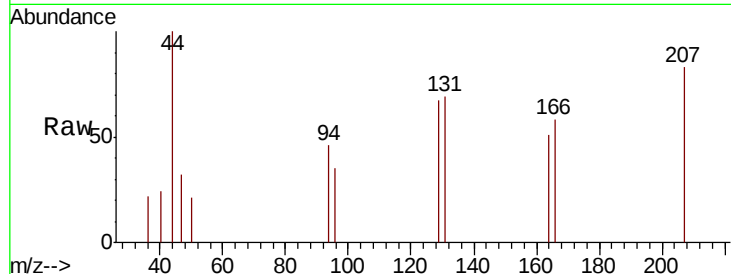




#60
Dibromochloromethane
Concen: 1.940 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

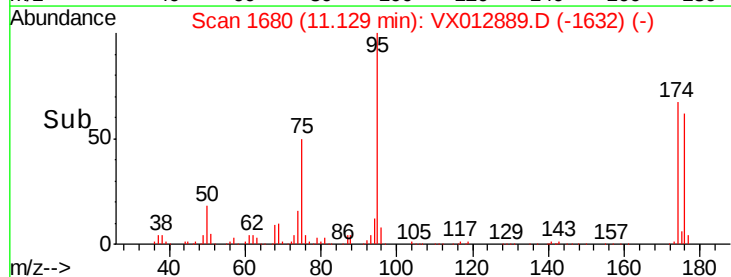
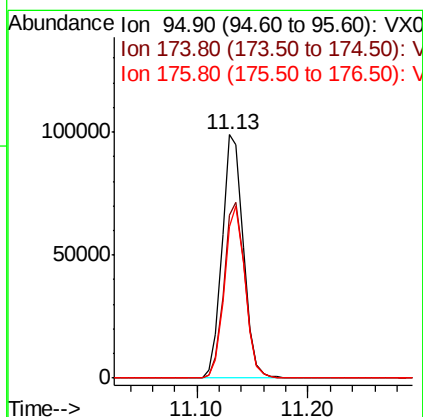
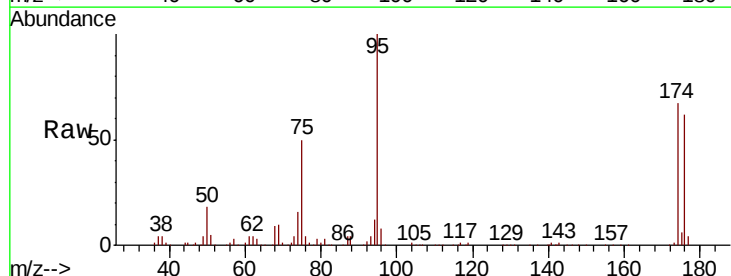
Instrument :
MSVOA_X
ClientSampleId :

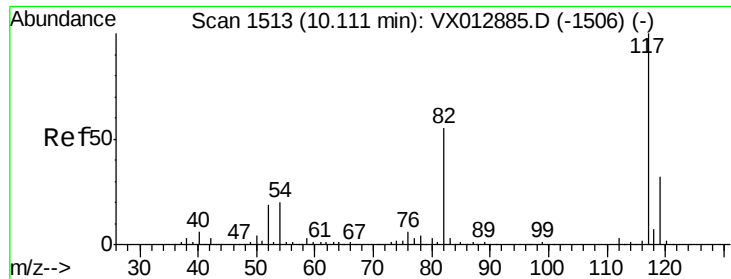
Tot Ion:129 Resp: 202
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 46.870 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 95 Resp: 130334
Ion Ratio Lower Upper
95 100
174 72.1 0.0 143.4
176 69.3 0.0 136.0

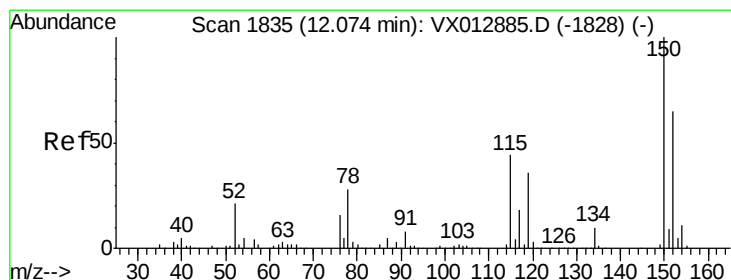
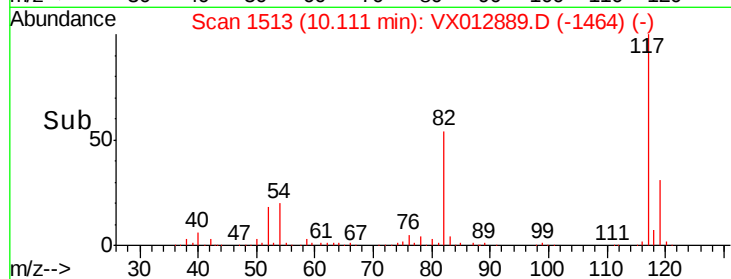
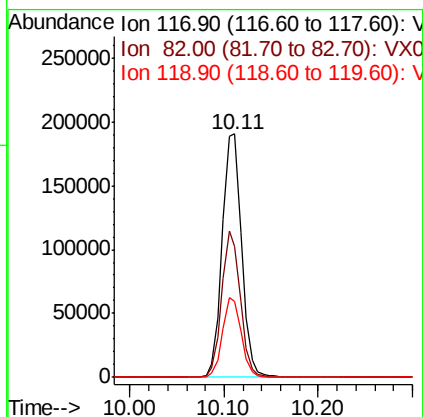
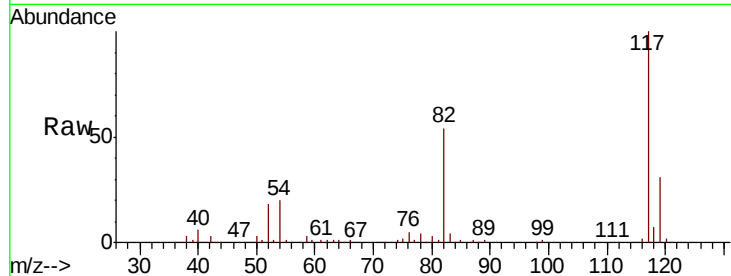




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

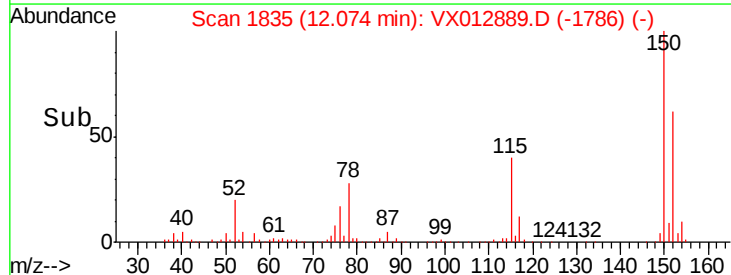
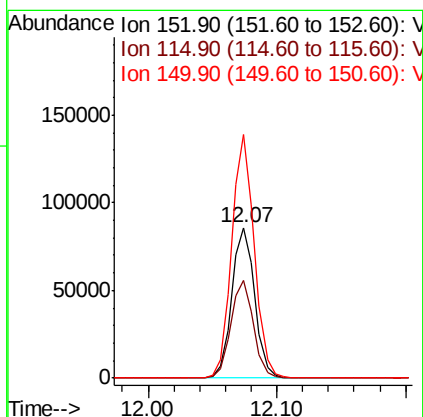
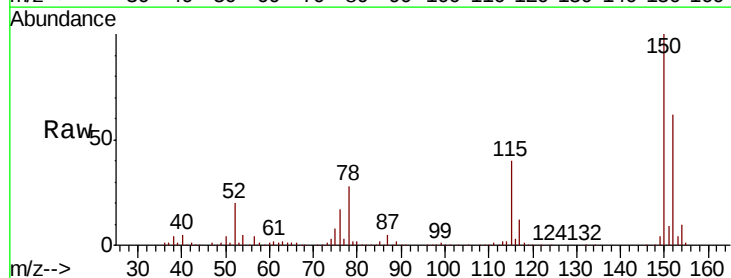
Instrument :
MSVOA_X
ClientSampleId :

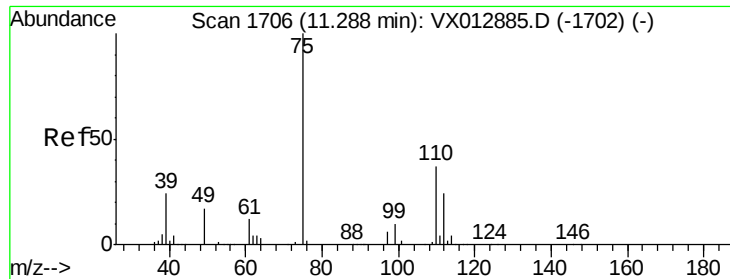
Tot Ion:117 Resp: 272764
Ion Ratio Lower Upper
117 100
82 54.0 44.1 66.1
119 31.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012889.D
Acq: 08 Oct 2019 15:01

Tgt Ion:152 Resp: 106382
Ion Ratio Lower Upper
152 100
115 64.6 44.5 133.5
150 159.9 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 27.699 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_X

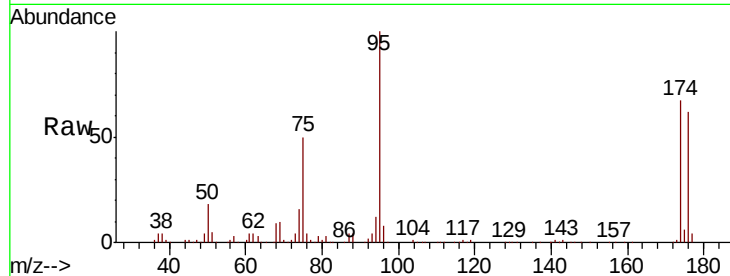
ClientSampleId :

Tot Ion: 75 Resp: 65357

Ion Ratio Lower Upper

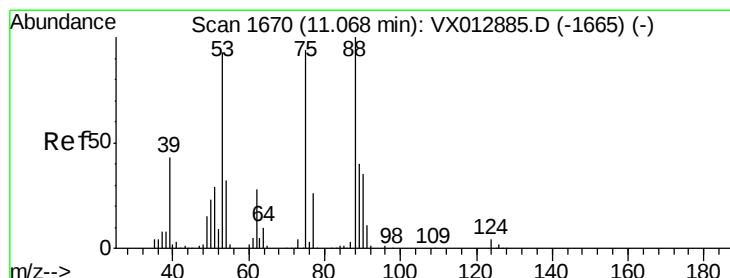
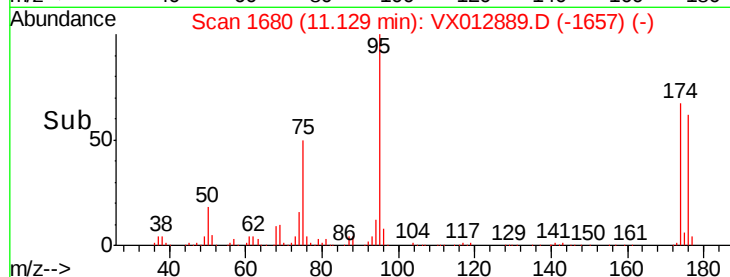
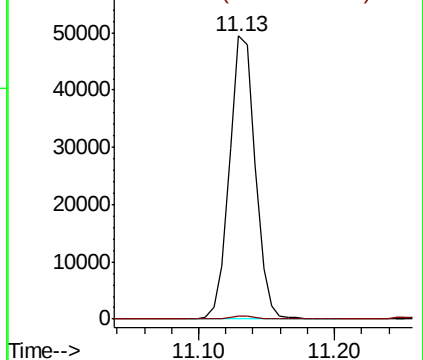
75 100

77 1.2 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 69.494 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012889.D

Acq: 08 Oct 2019 15:01

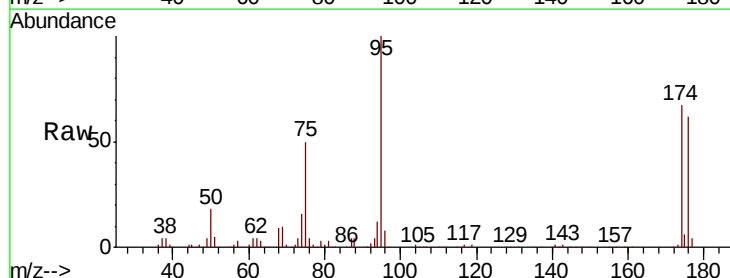
Tgt Ion: 75 Resp: 65357

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

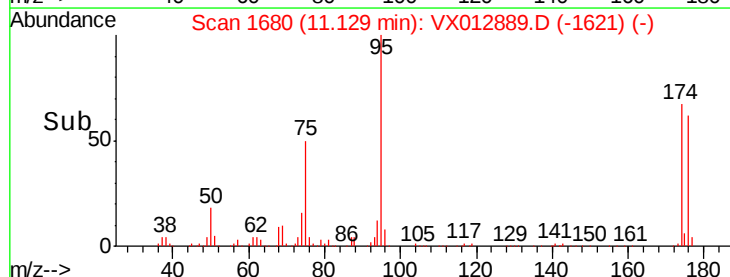
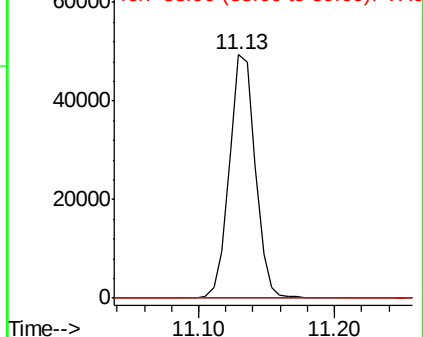
89 0.0 37.4 56.2#

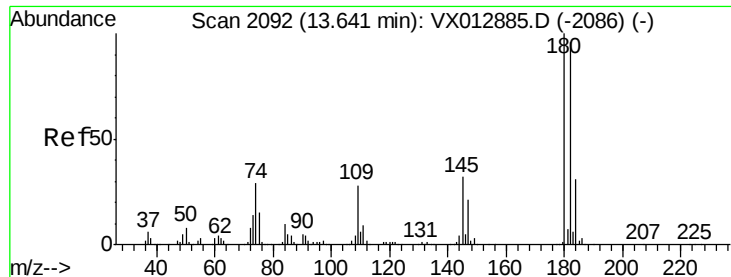


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

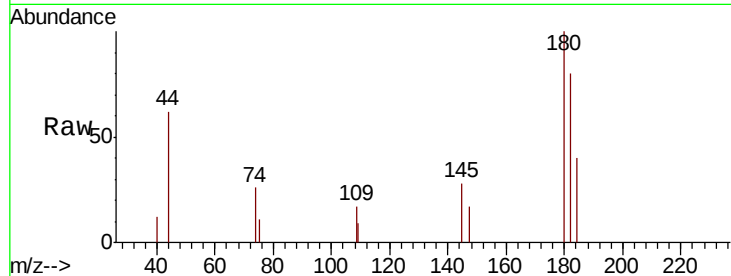




#93
 1,2,4-Trichlorobenzene
 Concen: 0.378 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX012889.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	46.8	140.4
145	23.1	16.2	48.6

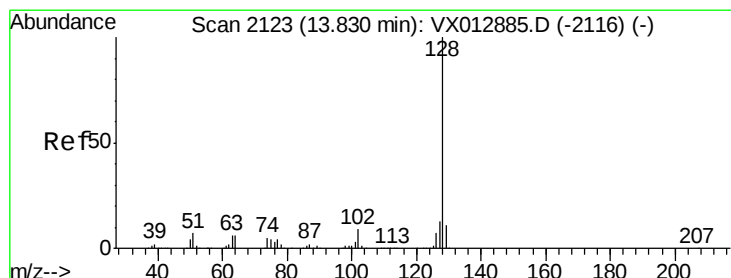
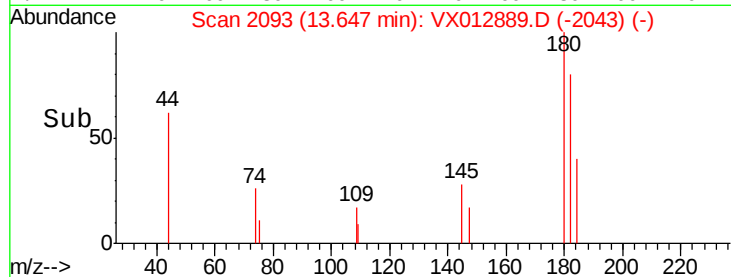
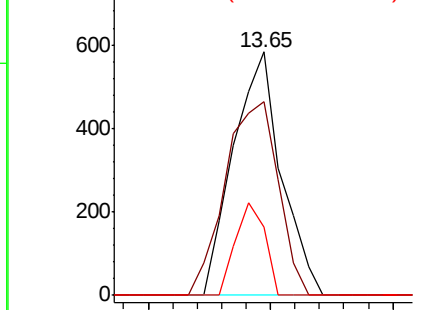


Abundance

Ion 179.80 (179.50 to 180.50): V

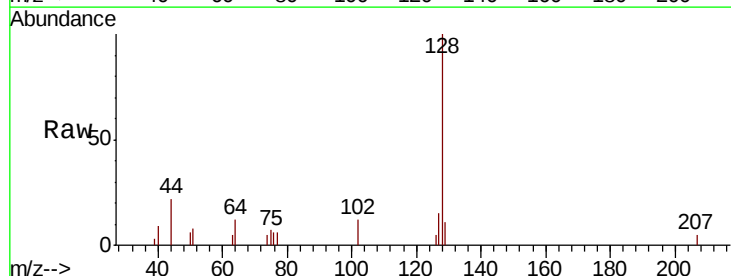
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 0.327 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012889.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	9.3	8.8	13.2

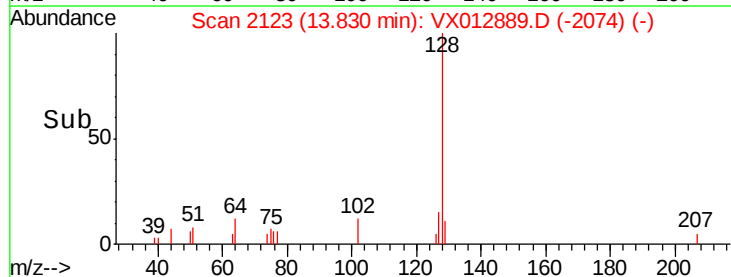
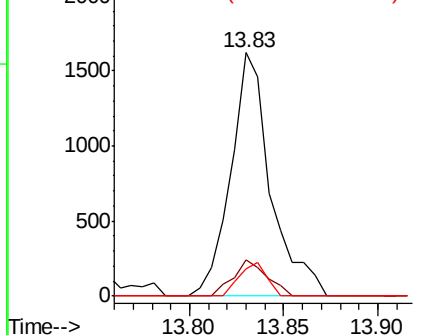


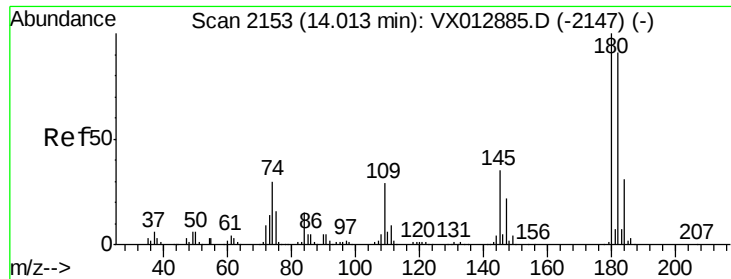
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

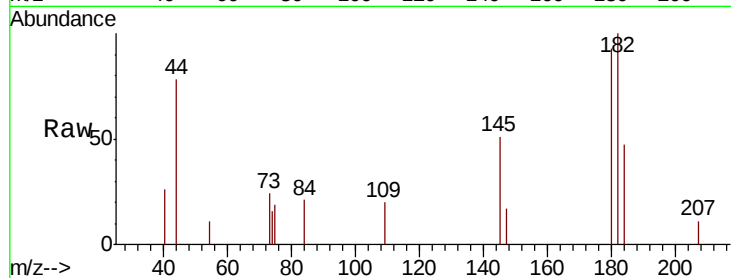




#96
 1,2,3-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012889.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.5	142.5
145	39.9	17.4	52.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

