

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103019\
 Data File : VX013286.D
 Acq On : 30 Oct 2019 15:12
 Operator : JC/SP
 Sample : K5603-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 01:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	68543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	101880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	62623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	77084	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	5.50	113	56	0.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	0.10%	
50) Toluene-d8	8.71	98	201361	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.14	95	74829	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

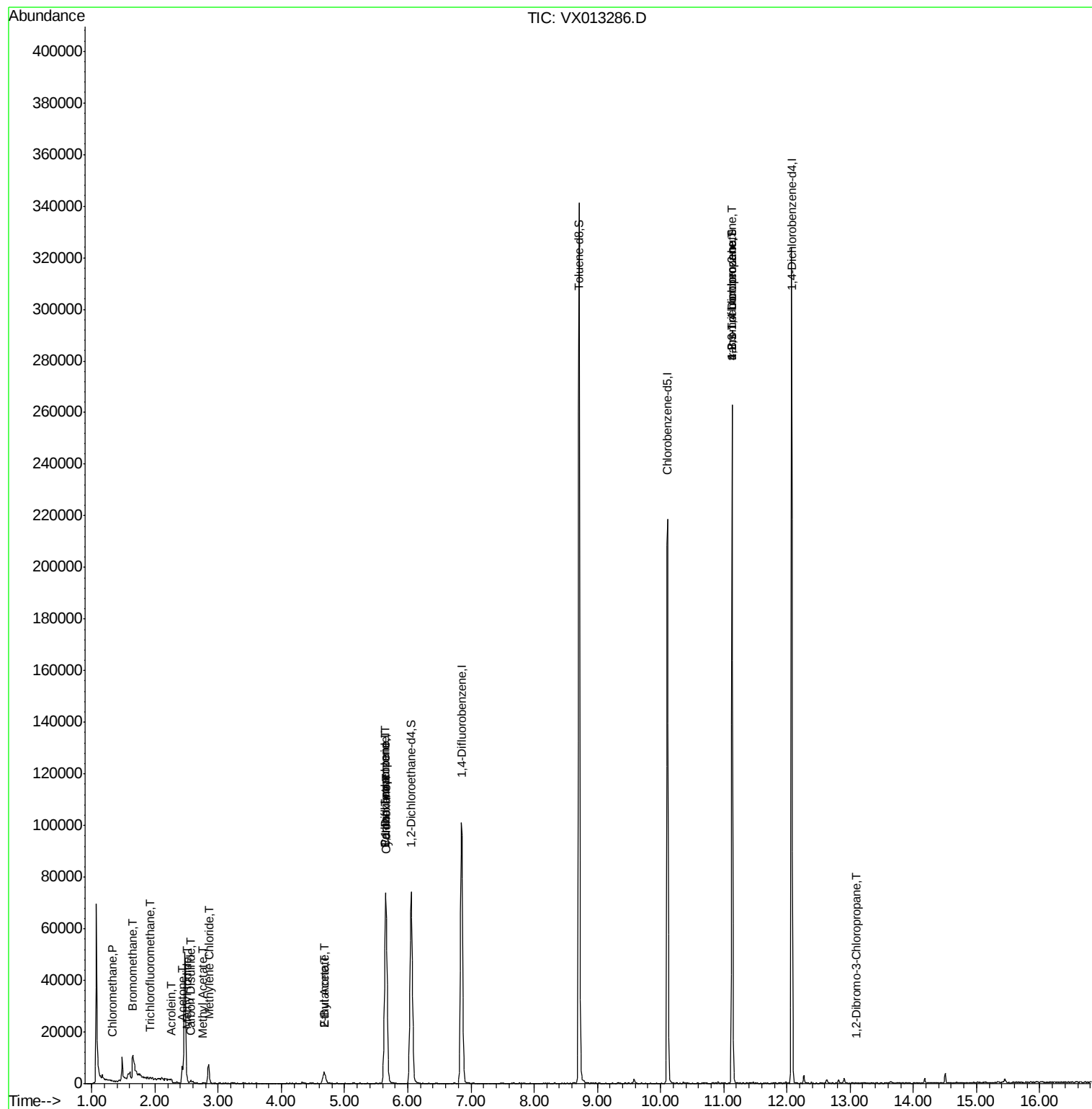
					Qvalue
3) Chloromethane	1.33	50	32	1.005 ug/l #	40
5) Bromomethane	1.65	94	273	0.414 ug/l #	49
6) Chloroethane	1.70	64	23	Below Cal #	43
7) Trichlorofluoromethane	1.92	101	48	0.323 ug/l #	17
10) Methyl Iodide	2.51	142	225	3.677 ug/l #	65
11) Tert butyl alcohol	3.03	59	48	Below Cal #	72
13) Acrolein	2.27	56	50	0.297 ug/l #	1
16) Acetone	2.43	43	6904	10.222 ug/l	96
17) Carbon Disulfide	2.56	76	1295	0.413 ug/l #	91
18) Methyl Acetate	2.75	43	232	1.123 ug/l #	49
20) Methylene Chloride	2.85	84	3897	3.356 ug/l	87
25) 2-Butanone	4.68	43	1371	1.514 ug/l #	68
31) Cyclohexane	5.66	56	1396	0.753 ug/l #	32
36) 1,1-Dichloropropene	5.65	75	5254	3.003 ug/l #	49
37) Ethyl Acetate	4.68	43	1371	0.806 ug/l #	73
38) Carbon Tetrachloride	5.65	117	7325	3.883 ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	39016	25.850 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	39016	71.034 ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.10	75	114	0.265 ug/l #	1

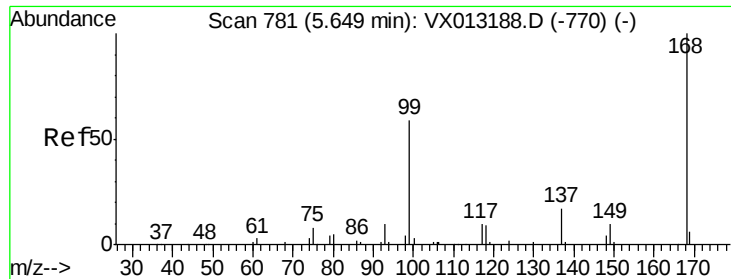
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX103019\
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Response via : Initial Calibration

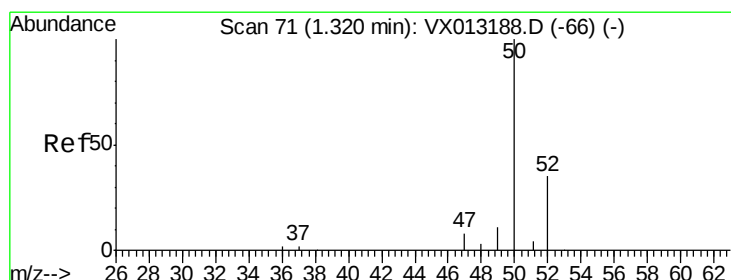
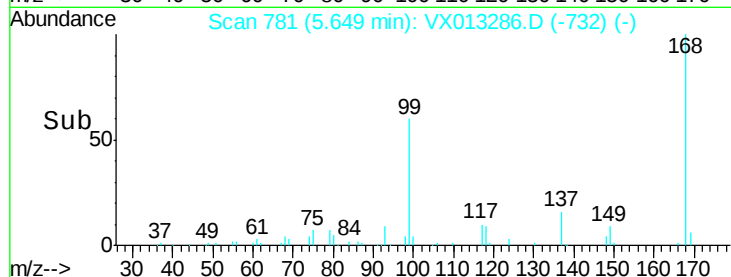
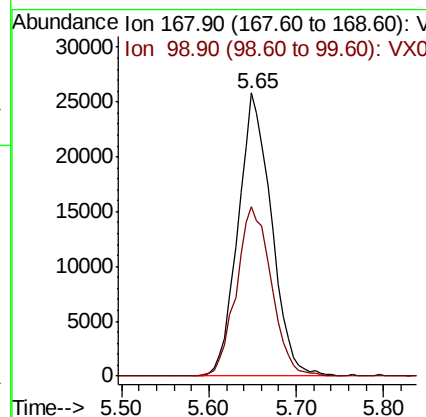
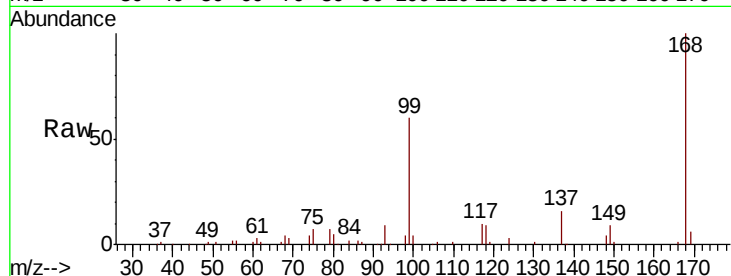




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

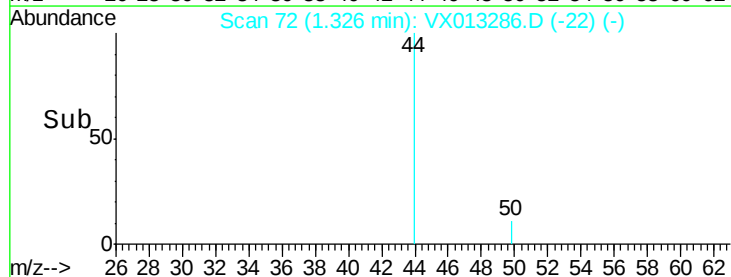
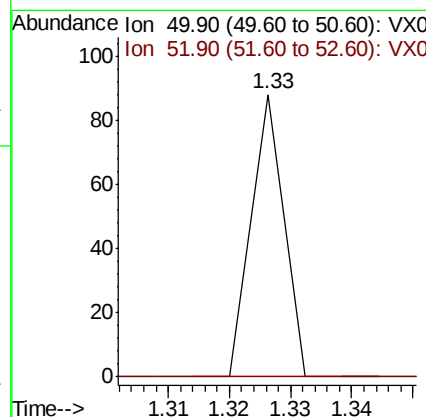
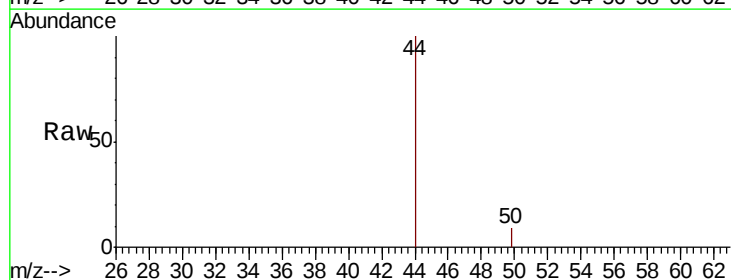
Instrument :
MSVOA_X
ClientSampleId :

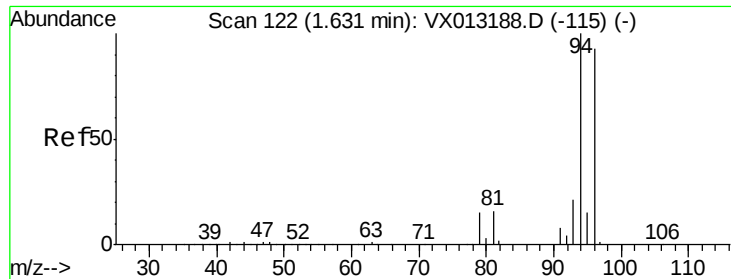
Tot Ion:168 Resp: 68543
Ion Ratio Lower Upper
168 100
99 60.0 47.0 70.4



#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.33 min Scan# 72
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion: 50 Resp: 32
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

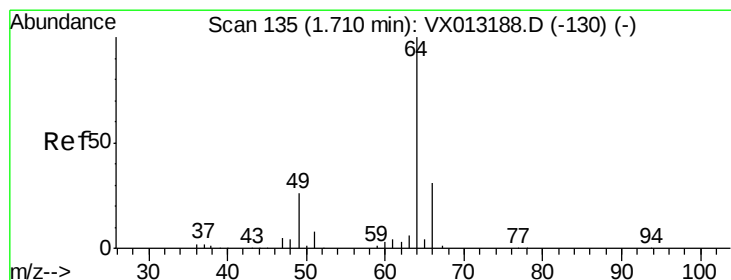
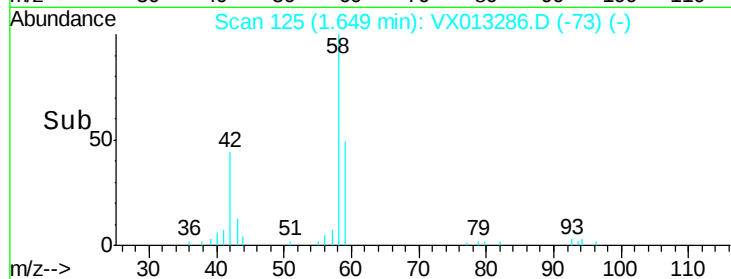
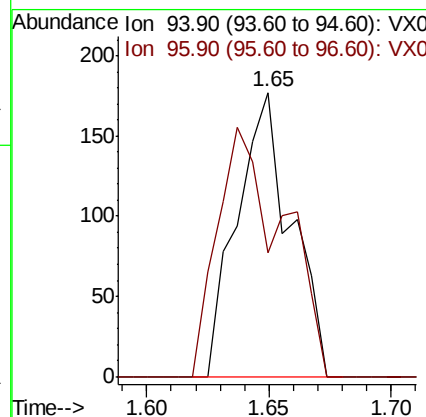
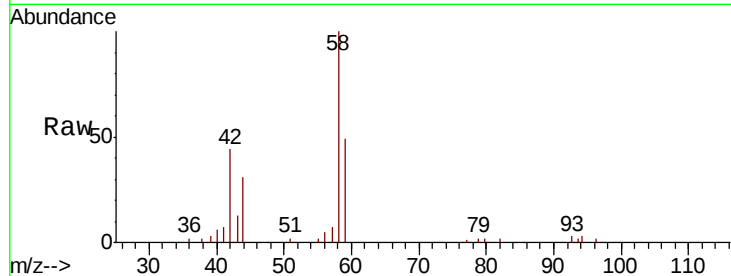




#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.65 min Scan# 125
Delta R.T. 0.02 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

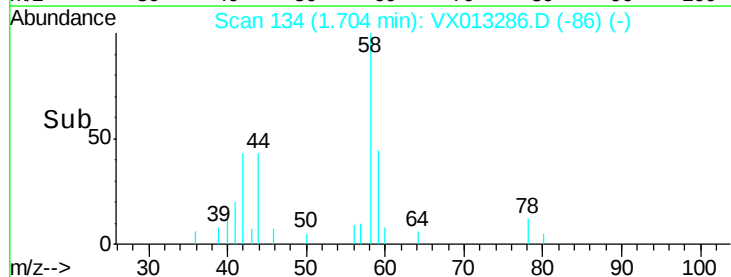
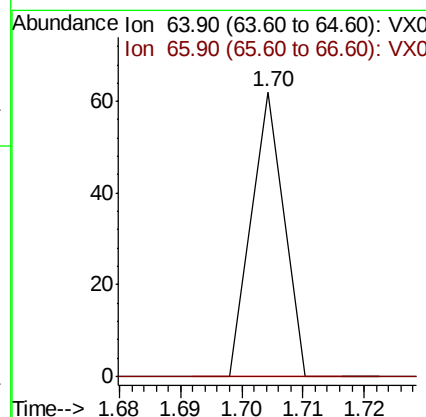
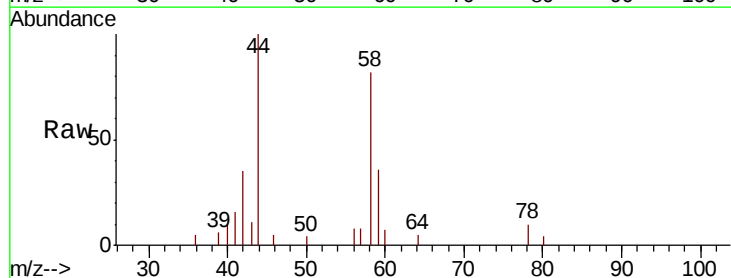
Instrument :
MSVOA_X
ClientSampleId :

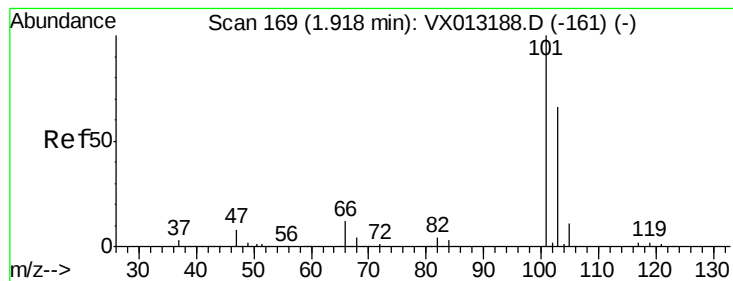
Tot Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 43.5 74.2 111.2#



#6
Chloroethane
Concen: Below Cal
RT: 1.70 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



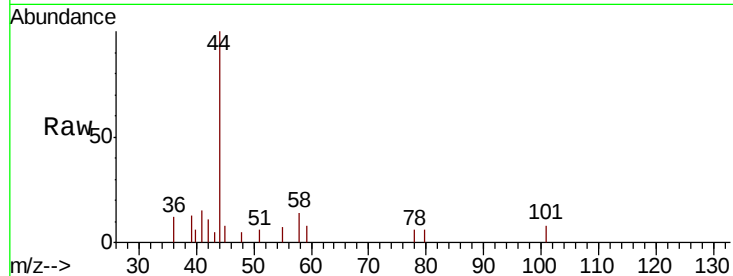


#7

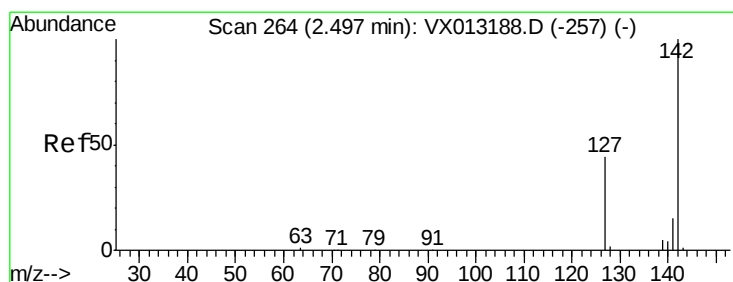
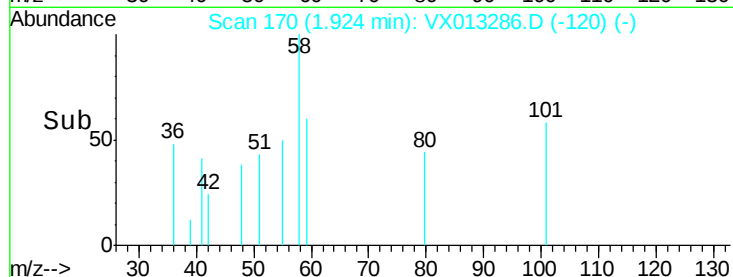
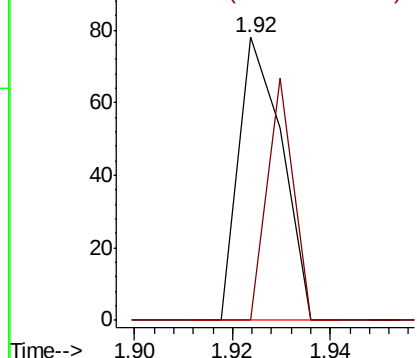
Trichlorofluoromethane
Concen: 0.323 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 48
Ion Ratio Lower Upper
101 100
103 0.0 53.0 79.6#



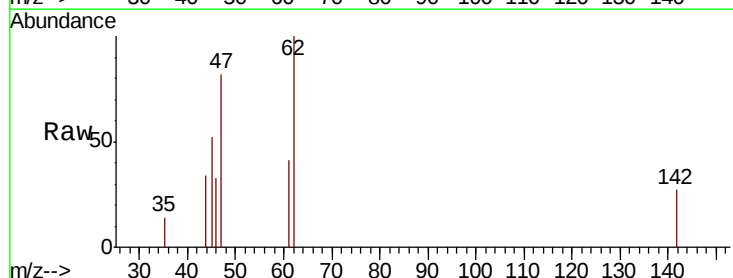
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



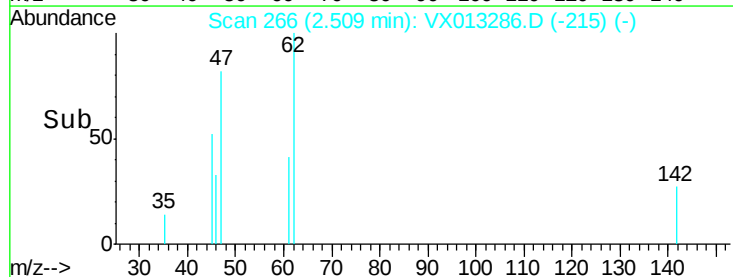
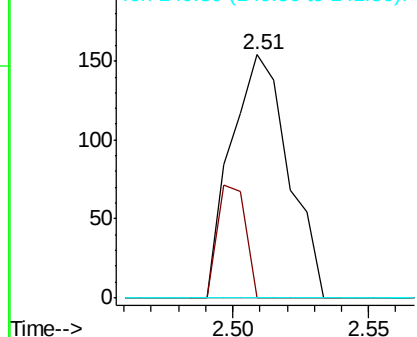
#10

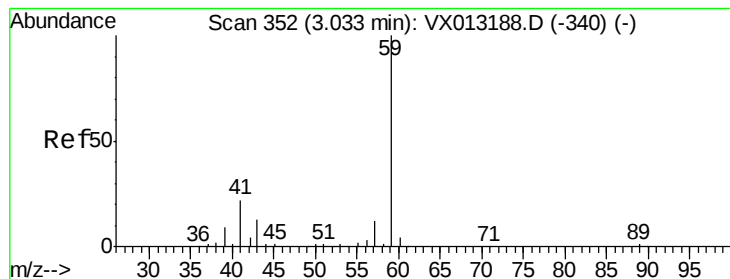
Methyl Iodide
Concen: 3.677 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion:142 Resp: 225
Ion Ratio Lower Upper
142 100
127 22.2 35.6 53.4#
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



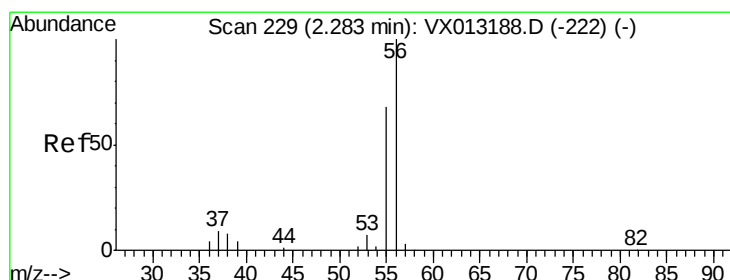
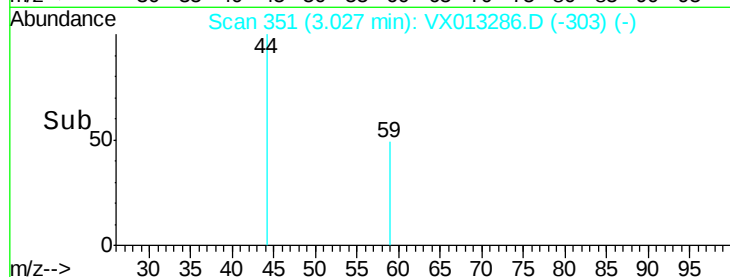
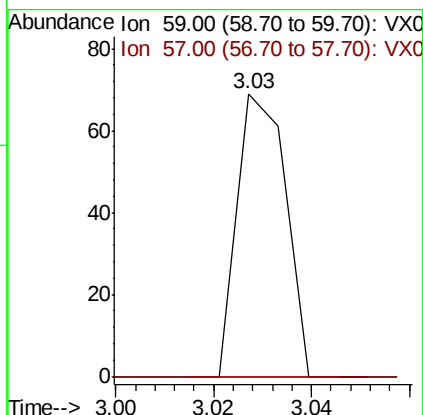
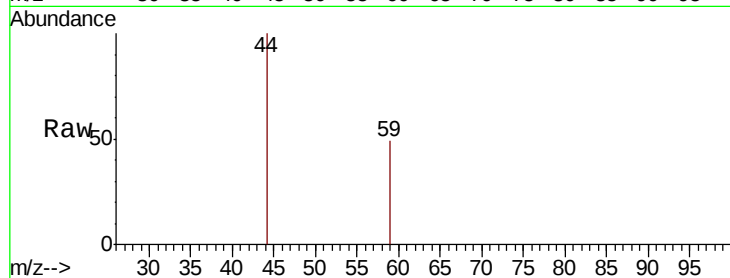


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013286.D
 Acq: 30 Oct 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :

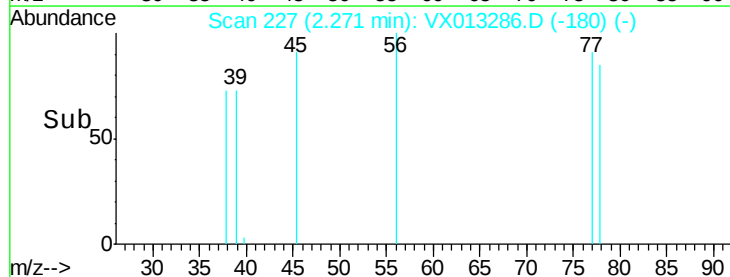
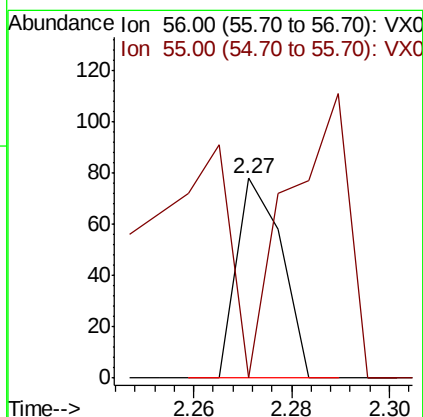
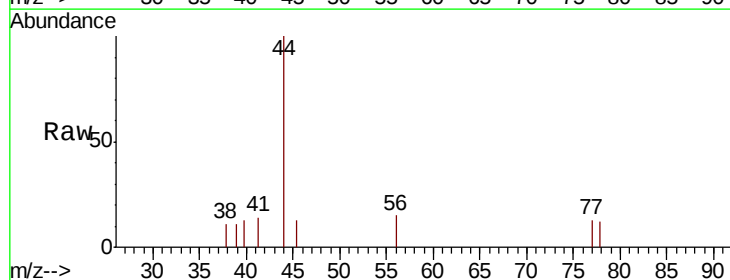
Tot Ion: 59 Resp: 48
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

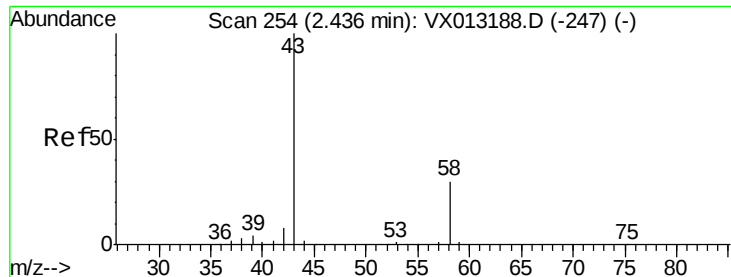


#13

Acrolein
 Concen: 0.297 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX013286.D
 Acq: 30 Oct 2019 15:12

Tgt Ion: 56 Resp: 50
 Ion Ratio Lower Upper
 56 100
 55 208.0 58.9 88.3#





#16

Acetone

Concen: 10.222 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

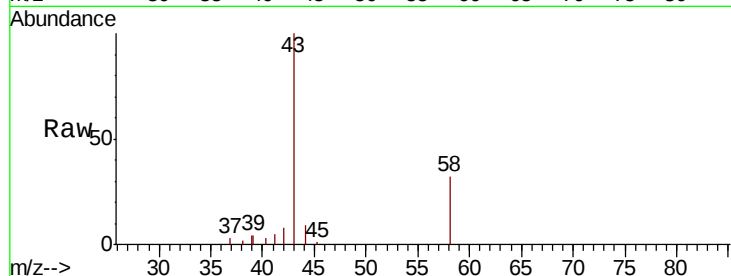
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 6904

Ion Ratio Lower Upper

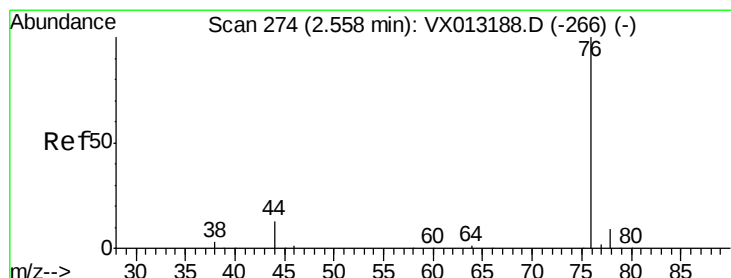
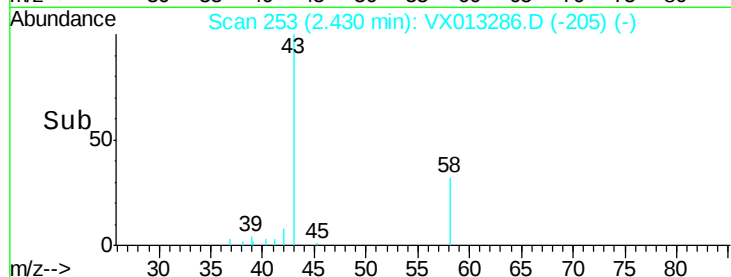
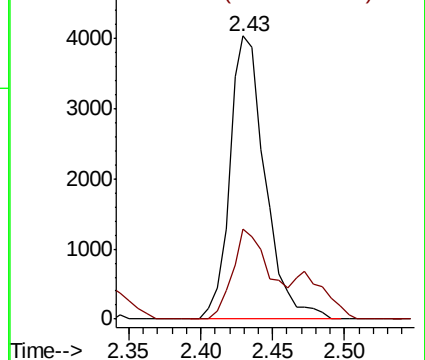
43 100

58 31.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.413 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013286.D

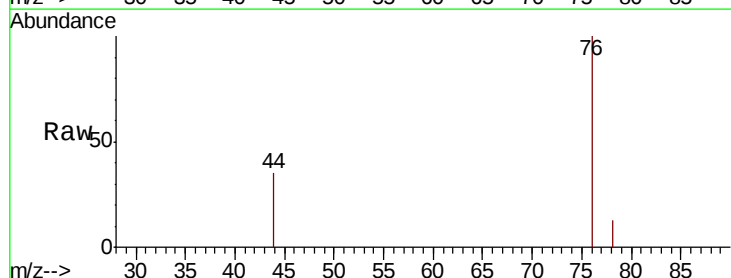
Acq: 30 Oct 2019 15:12

Tgt Ion: 76 Resp: 1295

Ion Ratio Lower Upper

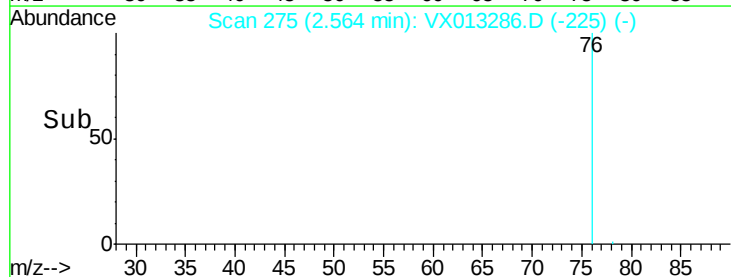
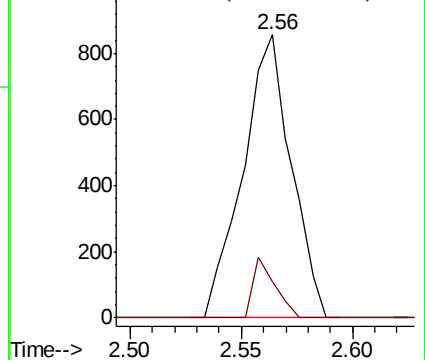
76 100

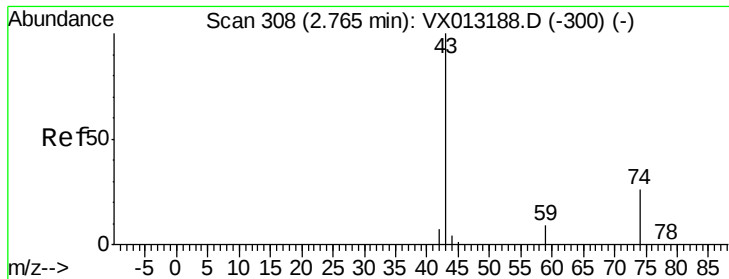
78 12.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

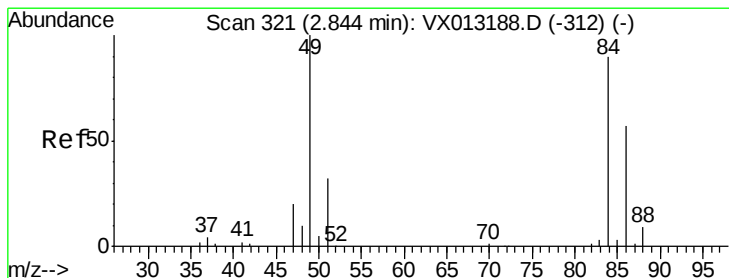
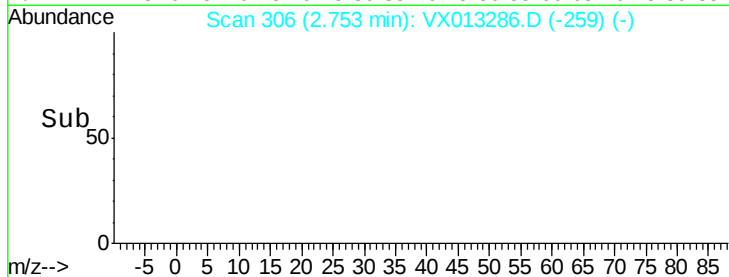
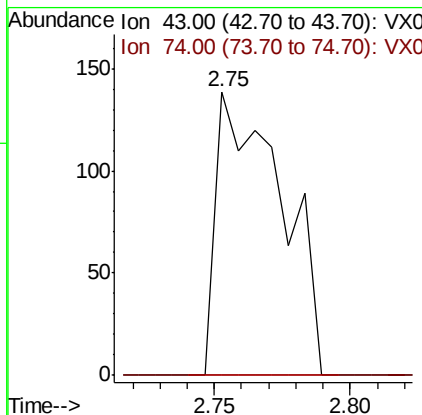
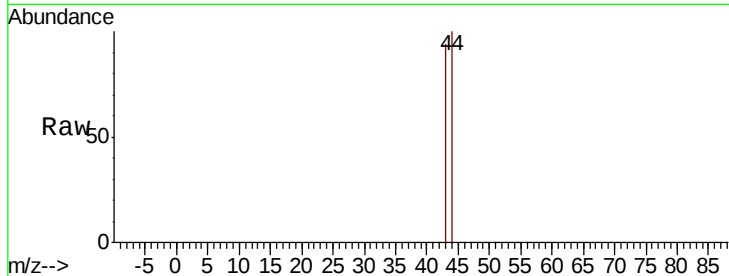




#18
Methyl Acetate
Concen: 1.123 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

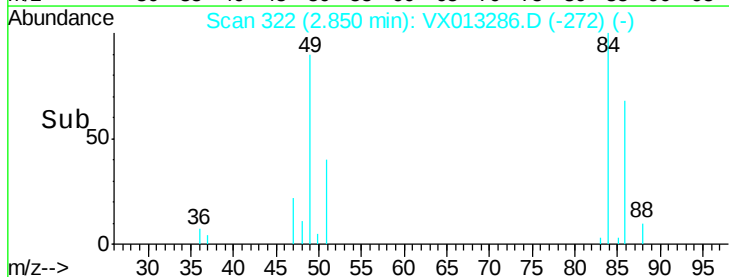
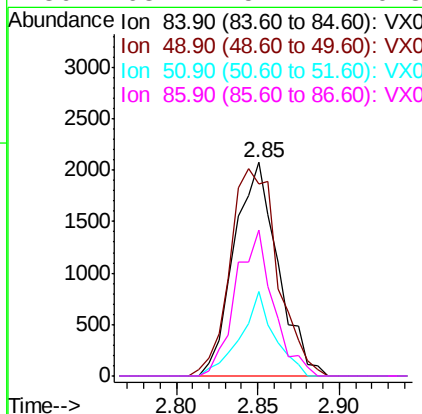
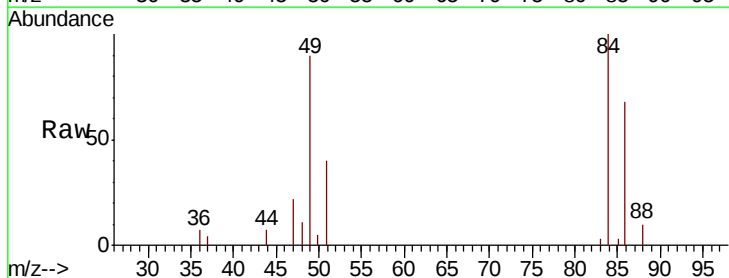
Instrument :
MSVOA_X
ClientSampleId :

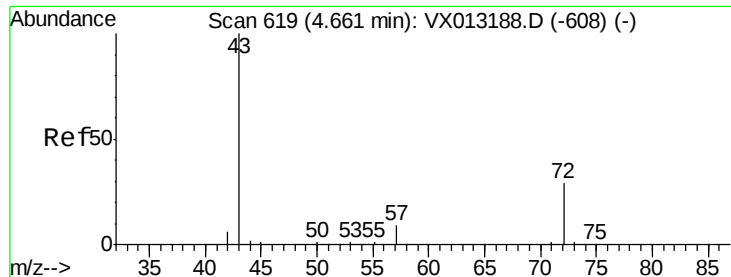
Tot Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 3.356 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion: 84 Resp: 3897
Ion Ratio Lower Upper
84 100
49 90.0 89.2 133.8
51 39.6 28.8 43.2
86 68.2 51.2 76.8





#25

2-Butanone

Concen: 1.514 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

Instrument :

MSVOA_X

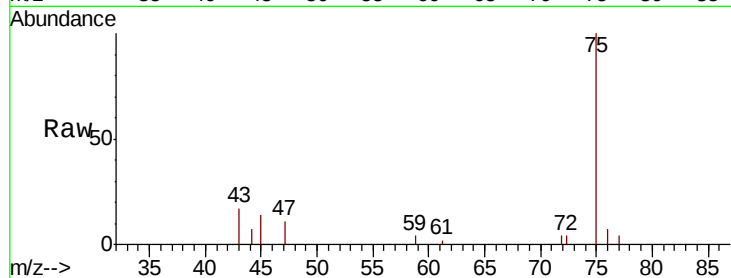
ClientSampleId :

Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

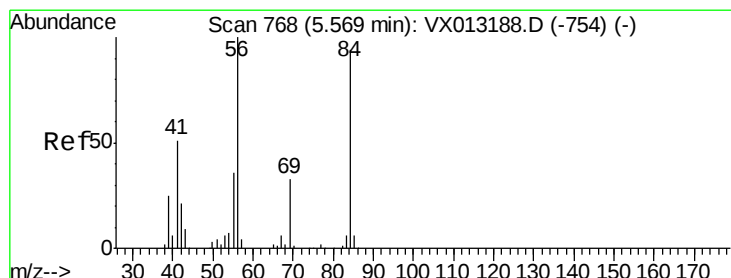
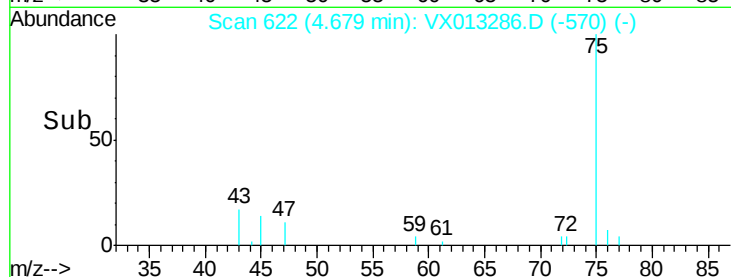
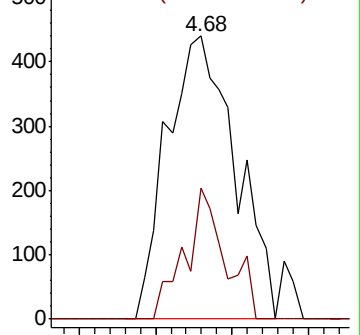
43 100

72 46.4 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.753 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

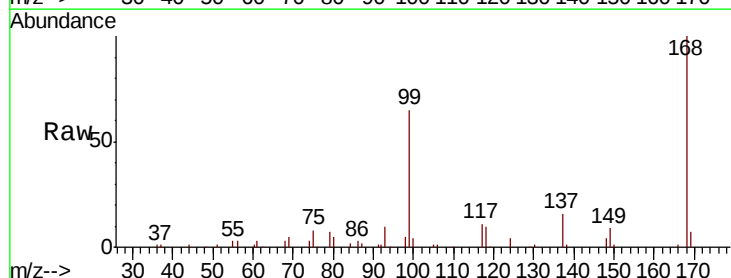
Tgt Ion: 56 Resp: 1396

Ion Ratio Lower Upper

56 100

69 177.1 26.3 39.5#

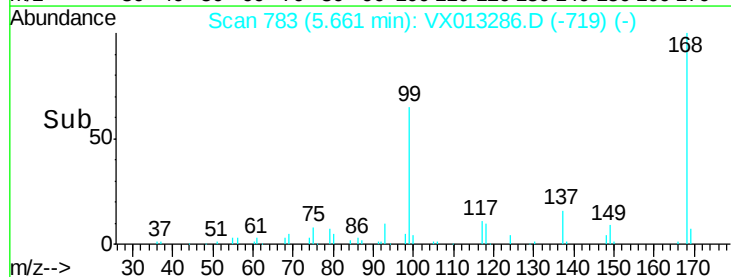
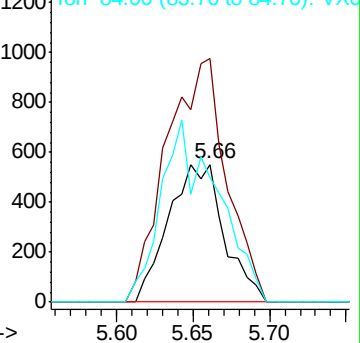
84 90.9 73.8 110.6

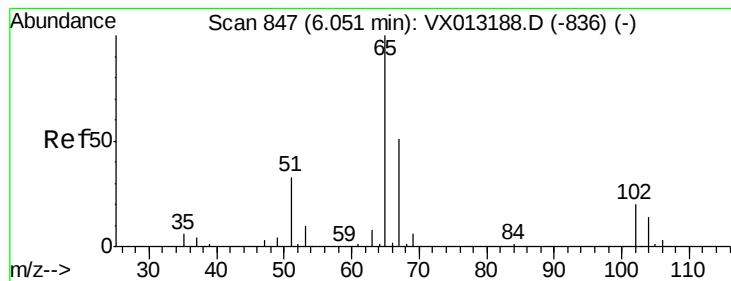


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.769 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

Instrument :

MSVOA_X

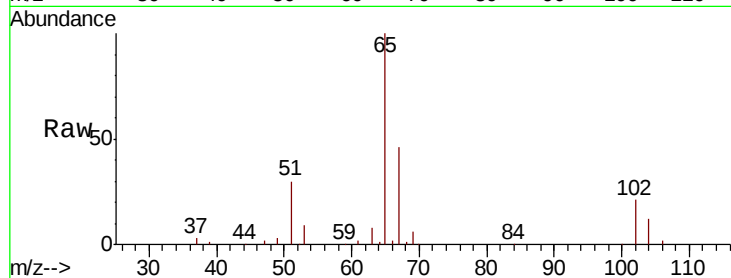
ClientSampleId :

Tot Ion: 65 Resp: 77084

Ion Ratio Lower Upper

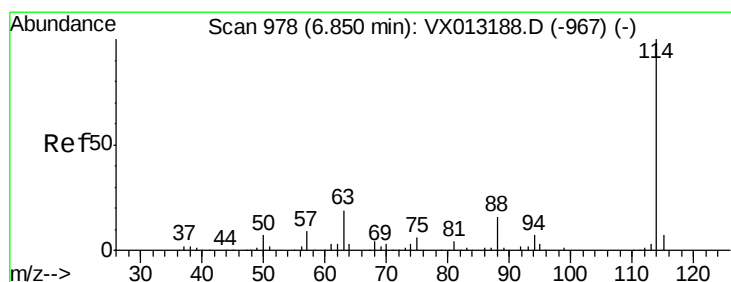
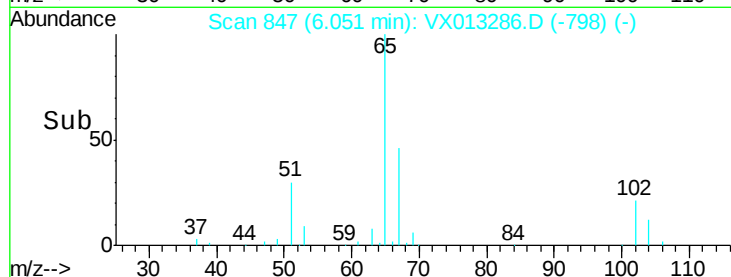
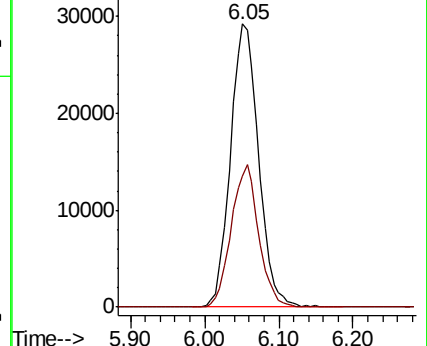
65 100

67 49.0 0.0 102.6



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: VX013286.D

Acq: 30 Oct 2019 15:12

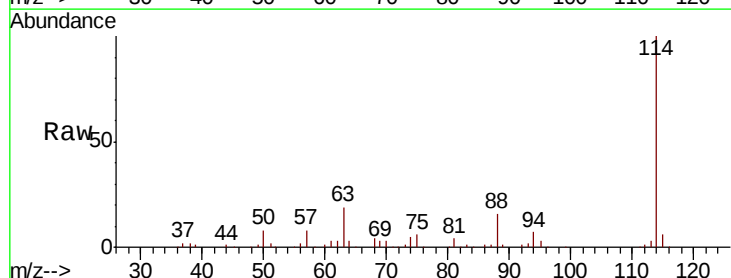
Tgt Ion: 114 Resp: 102049

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

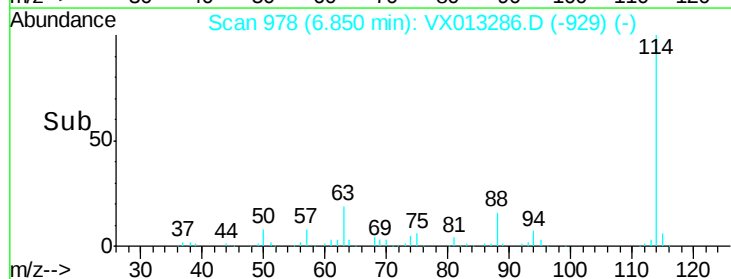
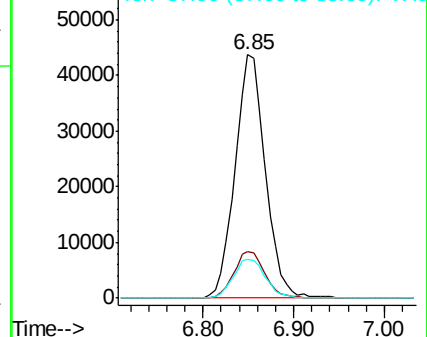
88 15.7 0.0 32.0

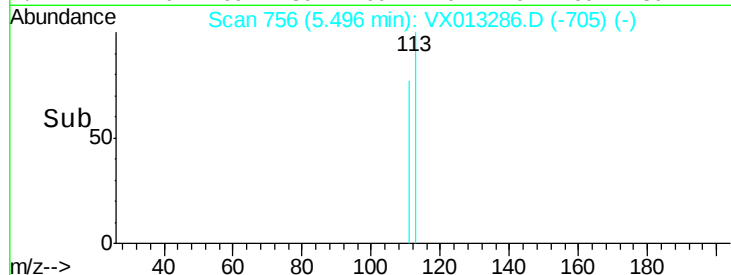
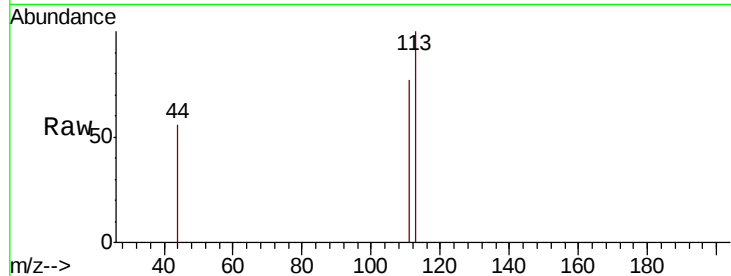
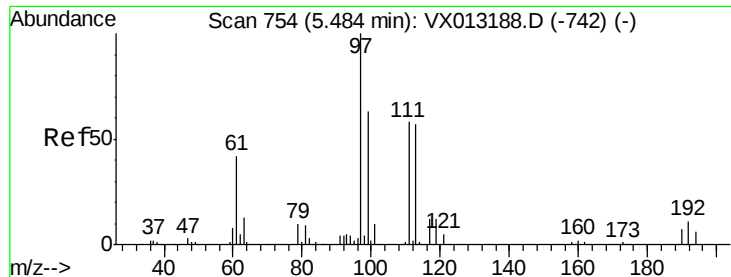


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

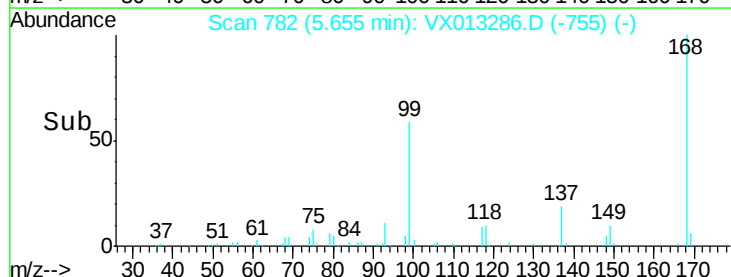
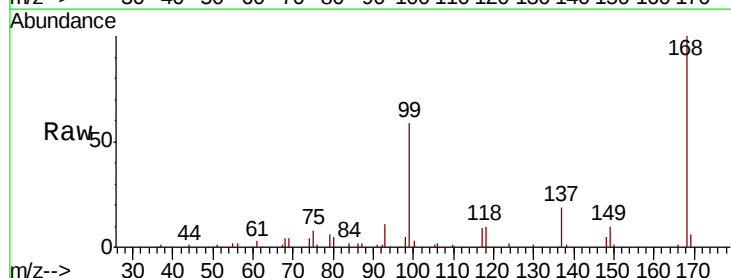
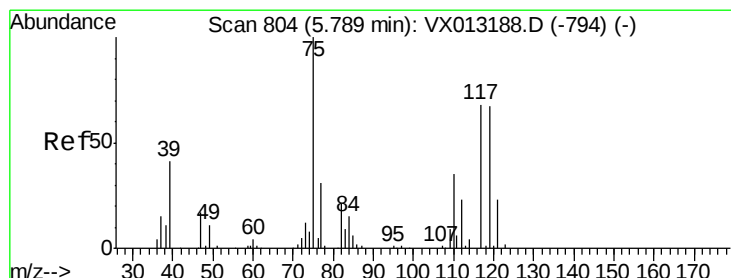
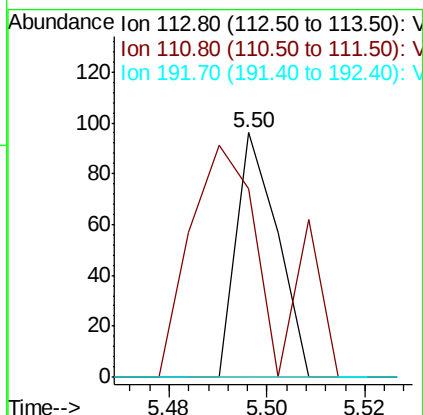




#35
Dibromofluoromethane
Concen: 0.049 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

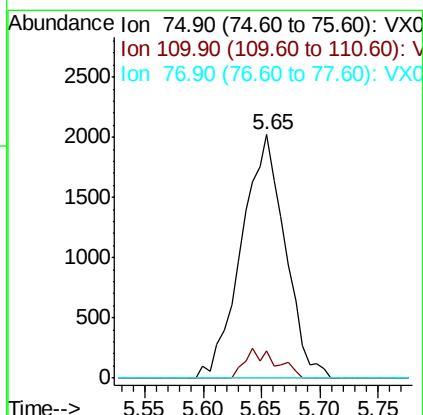
Instrument :
MSVOA_X
ClientSampleId :

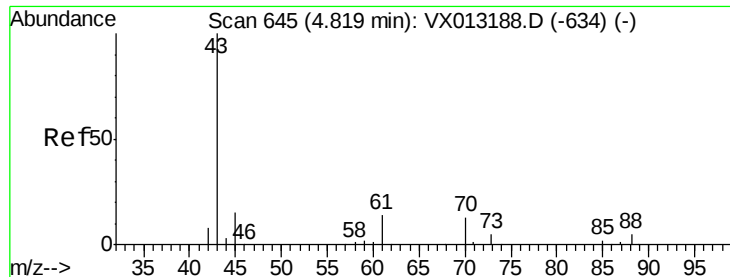
Tot Ion:113 Resp: 56
Ion Ratio Lower Upper
113 100
111 185.7 80.3 120.5#
192 0.0 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 3.003 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion: 75 Resp: 5254
Ion Ratio Lower Upper
75 100
110 8.8 17.6 52.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.806 ug/l

RT: 4.68 min Scan# 622

Delta R.T. -0.14 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

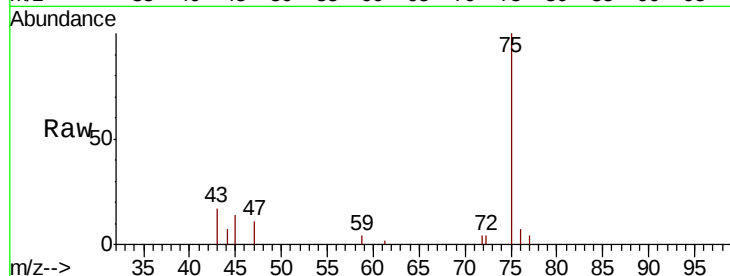
Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

61 5.7 12.1 18.1#

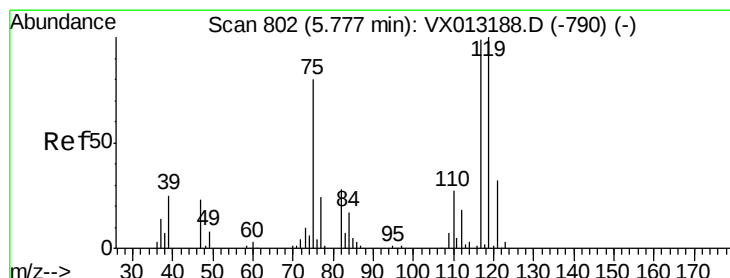
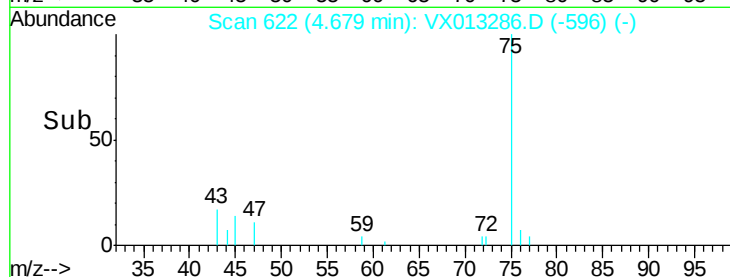
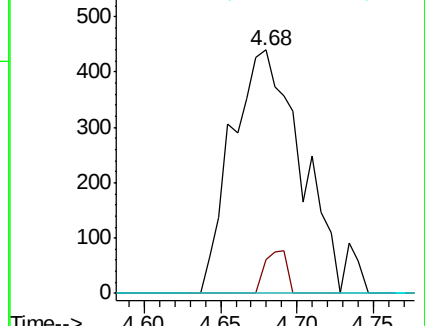
70 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 3.883 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

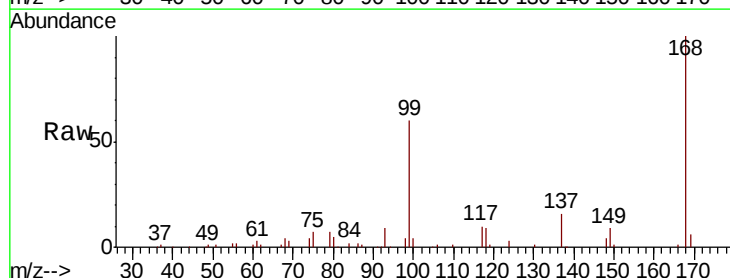
Tgt Ion: 117 Resp: 7325

Ion Ratio Lower Upper

117 100

119 5.0 80.1 120.1#

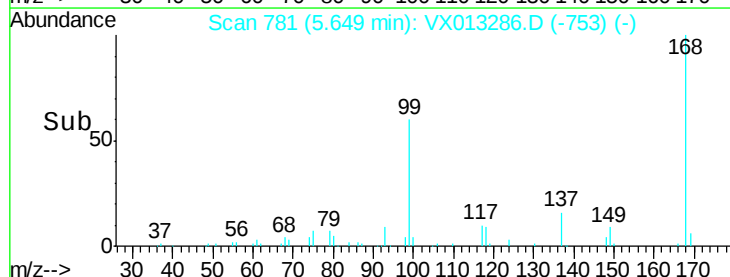
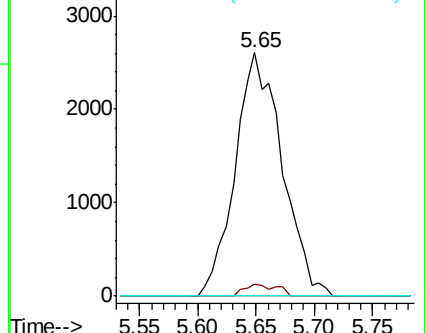
121 0.0 25.5 38.3#

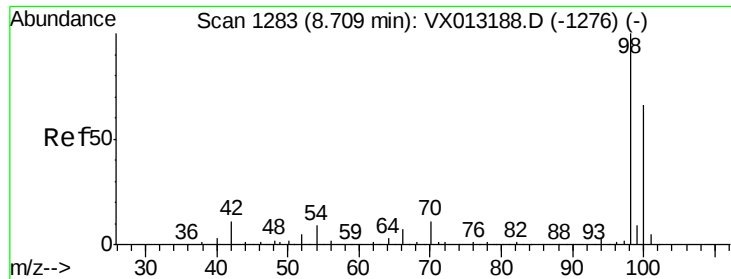


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

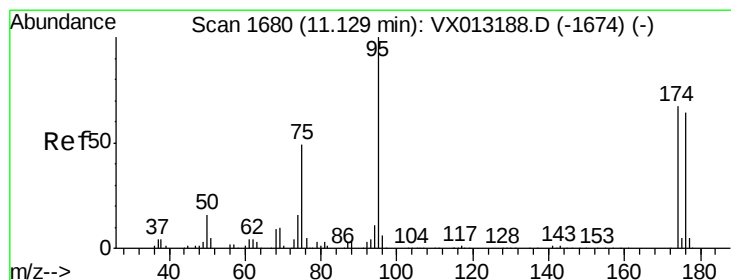
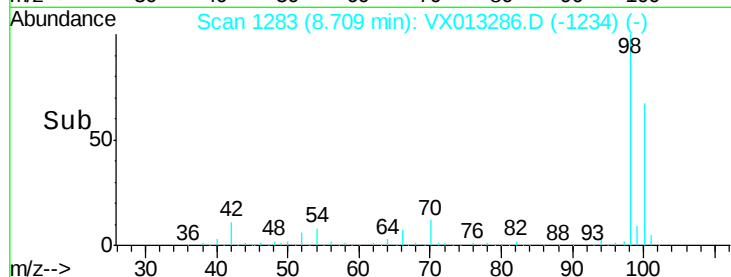
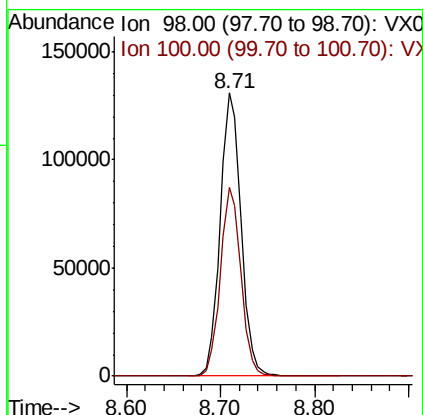
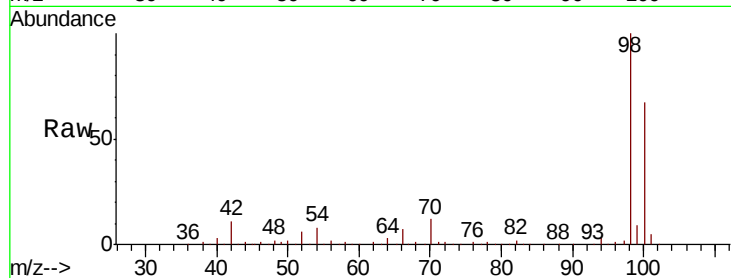




#50
Toluene-d8
Concen: 47.747 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

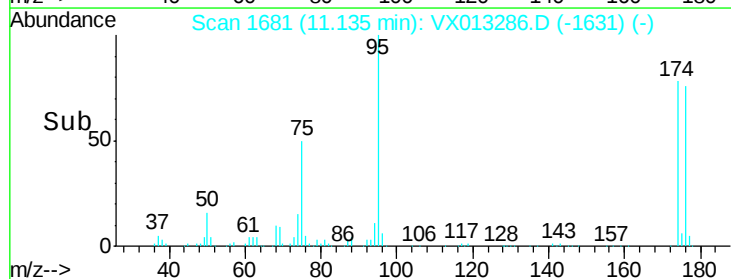
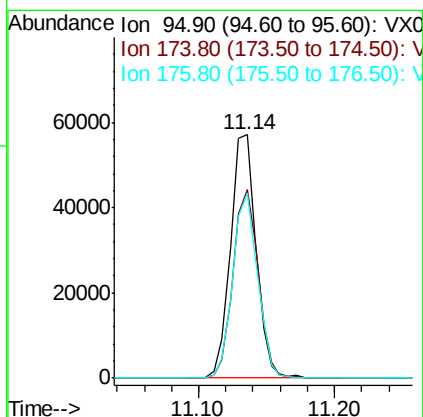
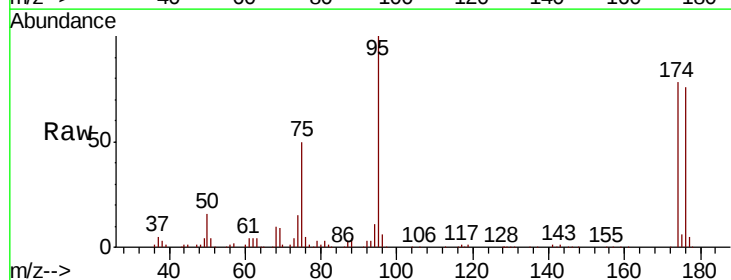
Instrument :
MSVOA_X
ClientSampled :

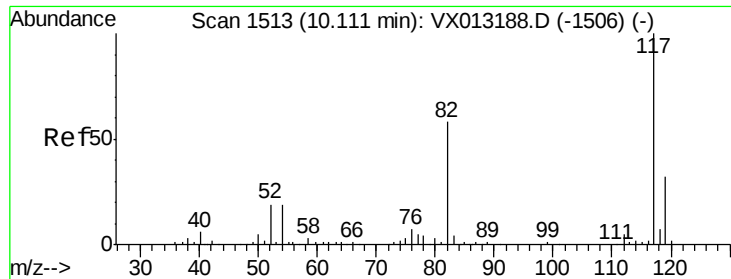
Tot Ion: 98 Resp: 201361
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.829 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion: 95 Resp: 74829
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.4
176 74.2 0.0 146.0

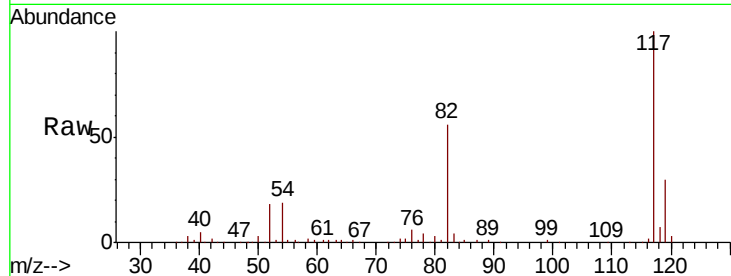




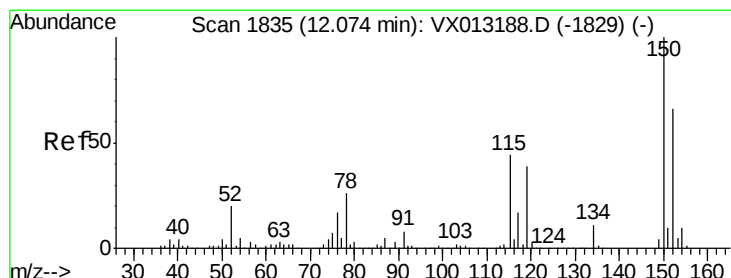
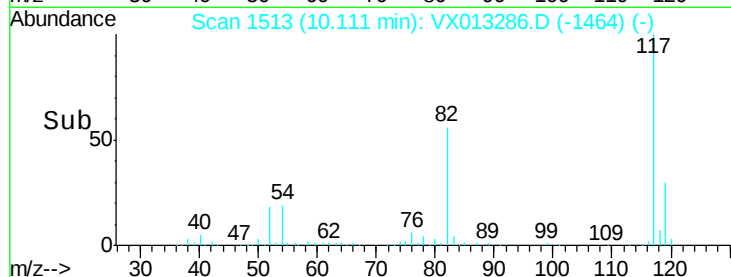
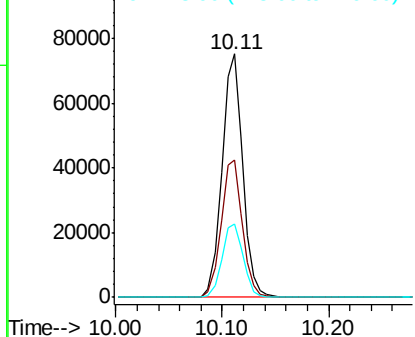
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 101880
Ion Ratio Lower Upper
117 100
82 56.2 46.5 69.7
119 30.2 25.2 37.8

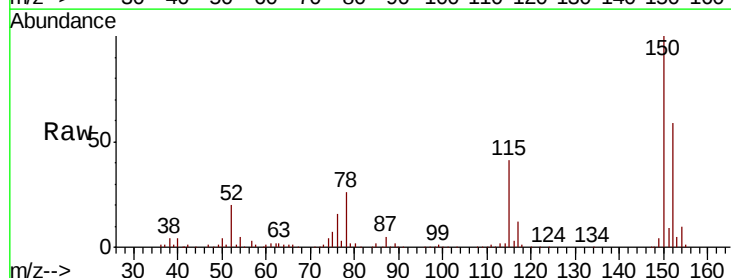


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

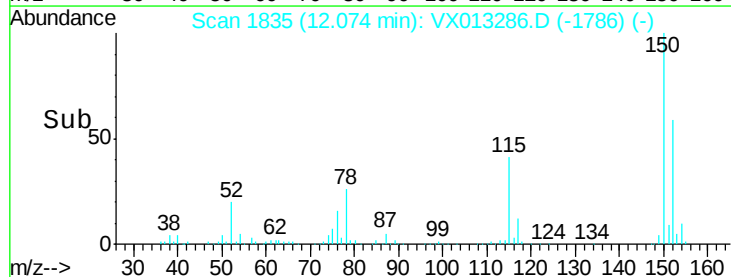
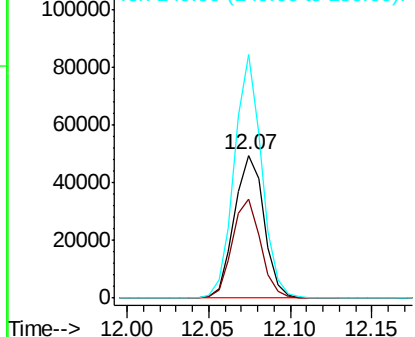


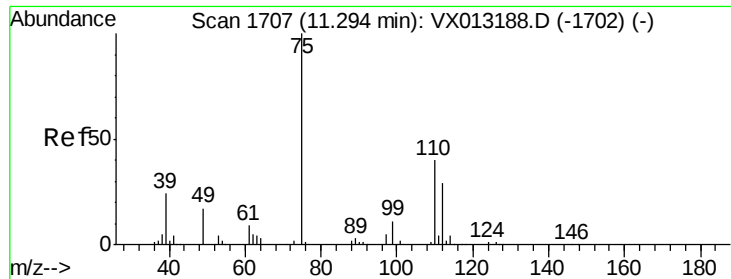
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013286.D
Acq: 30 Oct 2019 15:12

Tgt Ion:152 Resp: 62623
Ion Ratio Lower Upper
152 100
115 66.1 46.6 139.8
150 156.6 0.0 354.0



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: 25.850 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

Instrument :

MSVOA_X

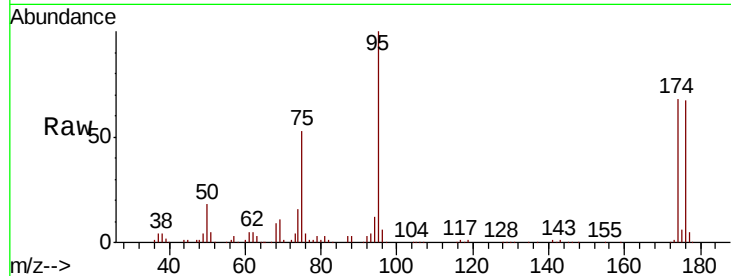
ClientSampleId :

Tot Ion: 75 Resp: 39016

Ion Ratio Lower Upper

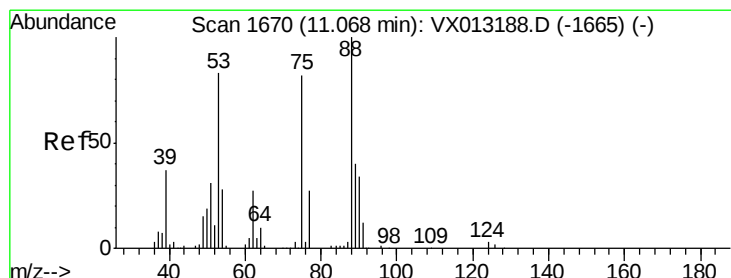
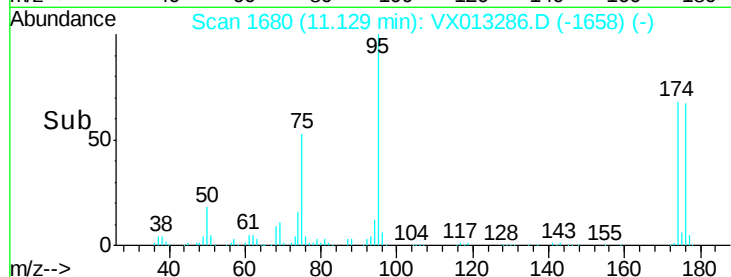
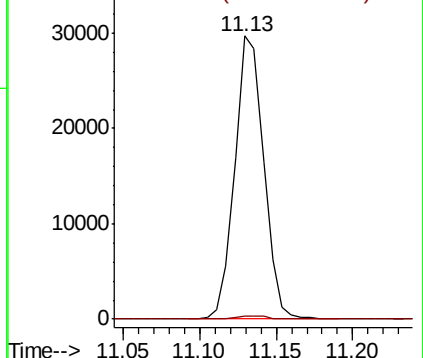
75 100

77 1.1 19.1 57.5#



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: 71.034 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

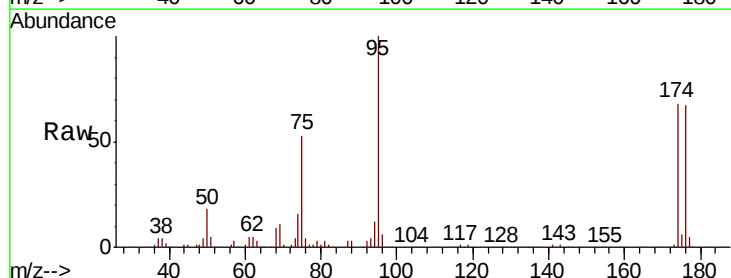
Tgt Ion: 75 Resp: 39016

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

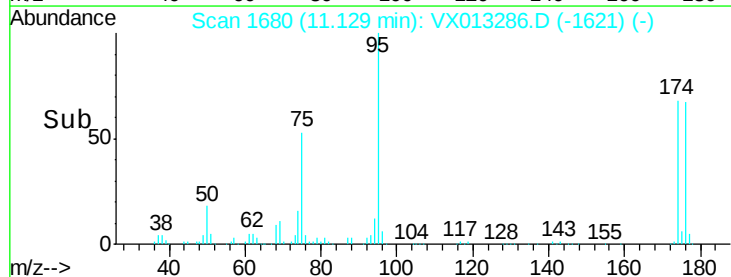
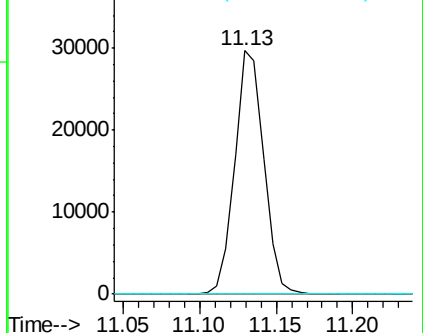
89 0.0 37.3 55.9#

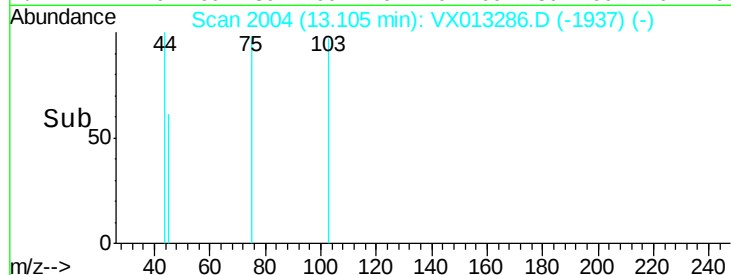
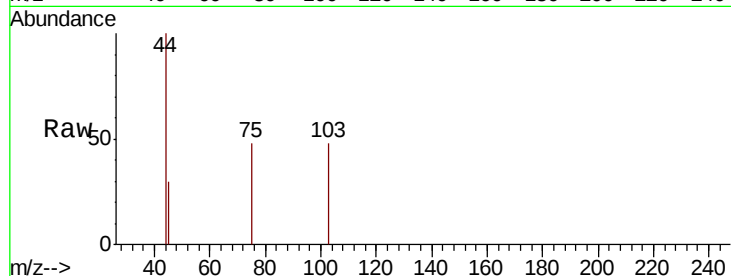
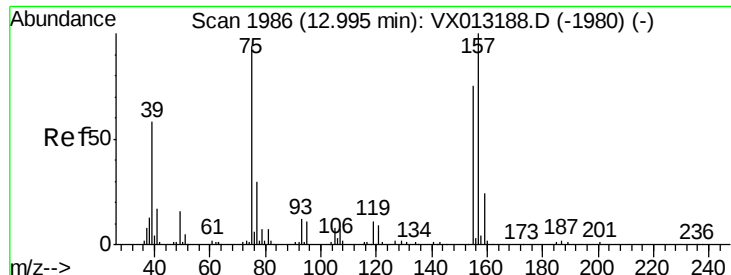


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.265 ug/l

RT: 13.10 min Scan# 2004

Delta R.T. 0.11 min

Lab File: VX013286.D

Acq: 30 Oct 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 114

Ion	Ratio	Lower	Upper
75	100		
155	0.0	42.8	128.4#
157	0.0	54.3	162.8#

