

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014043.D
 Acq On : 16 Dec 2019 18:20
 Operator : JC/SP
 Sample : K6251-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20191206

Quant Time: Dec 17 03:31:48 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

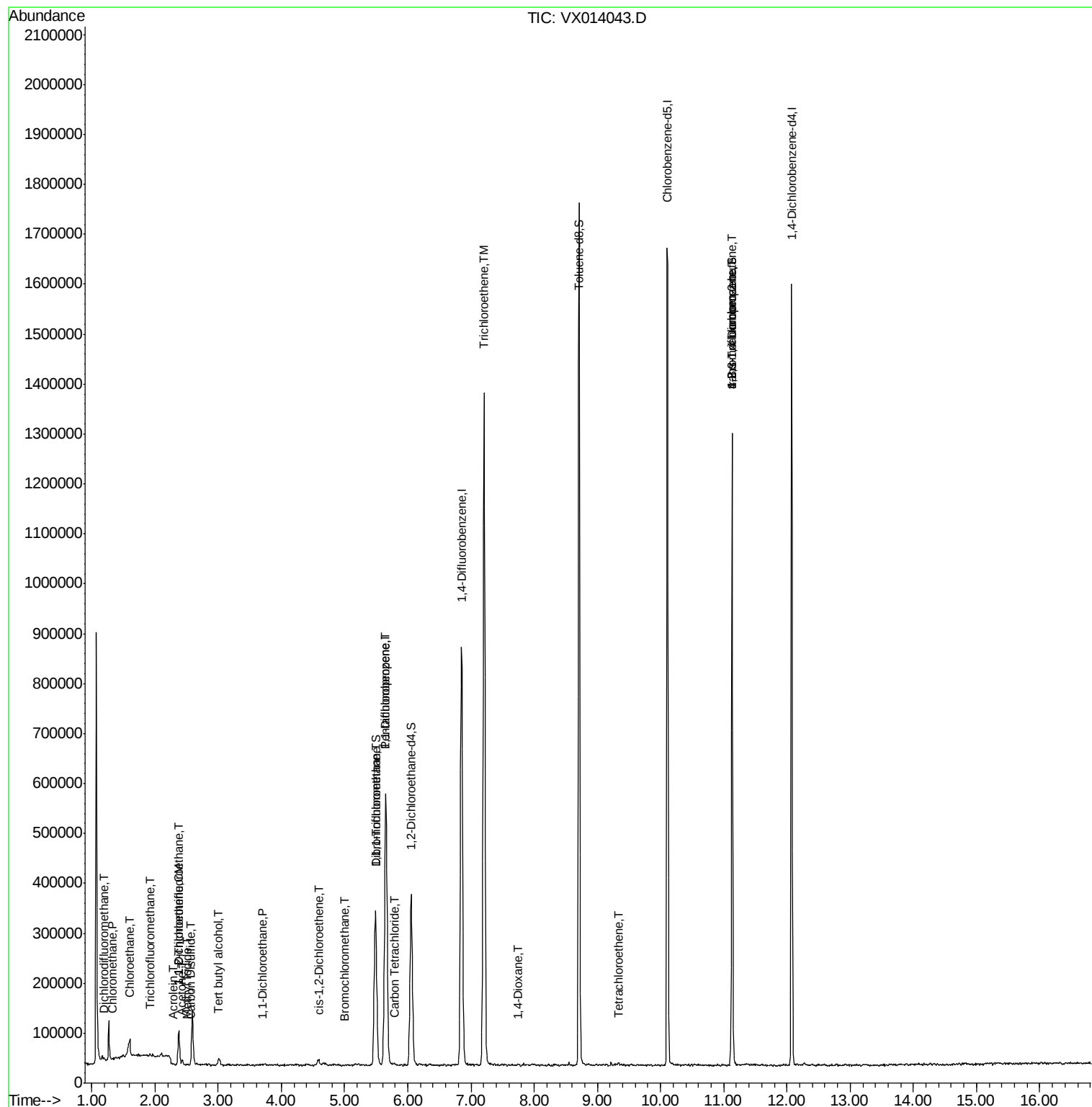
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	567781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	873510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	327373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	319410	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.49	113	262160	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	8.71	98	1034178	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	336322	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	2738	0.539	ug/l	90
3) Chloromethane	1.32	50	1781	0.261	ug/l #	81
6) Chloroethane	1.59	64	19143	4.312	ug/l #	49
7) Trichlorofluoromethane	1.92	101	2128	0.239	ug/l #	73
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27348	5.095	ug/l	97
10) Methyl Iodide	2.51	142	595	2.700	ug/l #	56
11) Tert butyl alcohol	3.01	59	11891	8.552	ug/l	96
12) 1,1-Dichloroethene	2.37	96	3725	0.682	ug/l	90
13) Acrolein	2.30	56	516	0.648	ug/l	93
16) Acetone	2.43	43	10929	2.616	ug/l	99
17) Carbon Disulfide	2.56	76	474	0.781	ug/l #	1
24) 1,1-Dichloroethane	3.69	63	3012	0.279	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	8326	1.224	ug/l	79
28) Bromochloromethane	5.00	49	266	0.517	ug/l #	4
32) 1,1,1-Trichloroethane	5.48	97	4304	0.493	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	38913	4.855	ug/l #	50
38) Carbon Tetrachloride	5.78	117	2230	0.305	ug/l #	61
44) Trichloroethene	7.20	130	548165	80.475	ug/l	99
49) 1,4-Dioxane	7.75	88	2085	14.284	ug/l #	62
64) Tetrachloroethene	9.34	164	1805	0.264	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	165843	23.334	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	165843	65.862	ug/l #	11

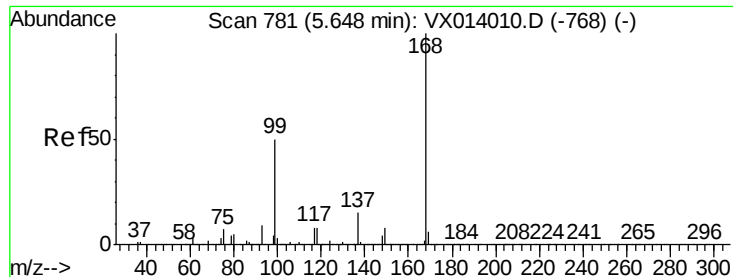
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\
Data File : VX014043.D
Acq On : 16 Dec 2019 18:20
Operator : JC/SP
Sample : K6251-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20191206

Quant Time: Dec 17 03:31:48 2019
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

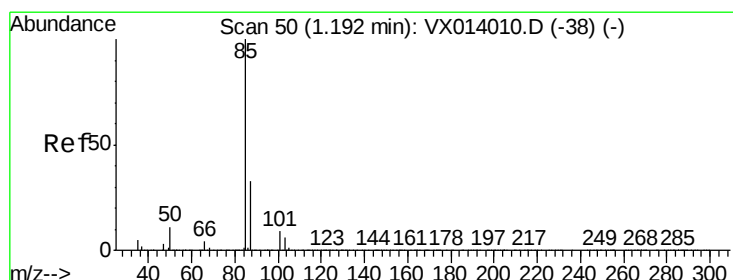
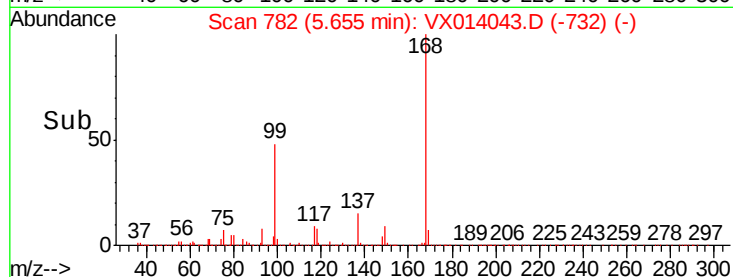
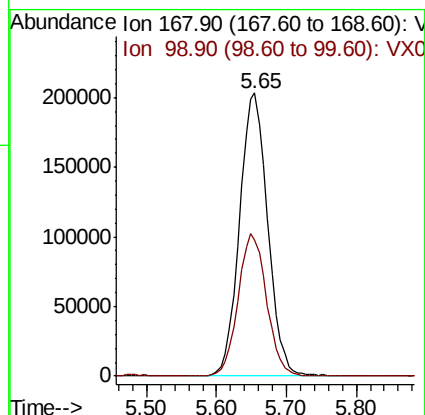
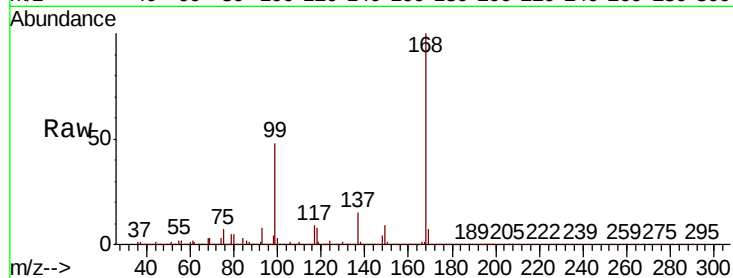




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

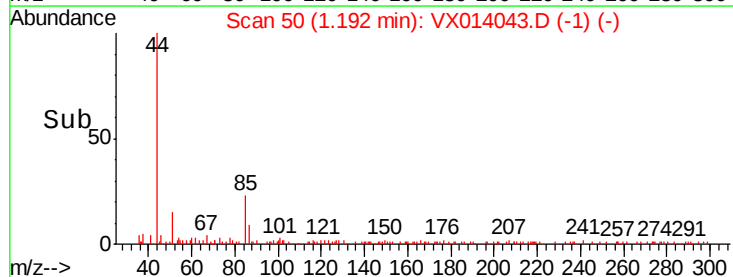
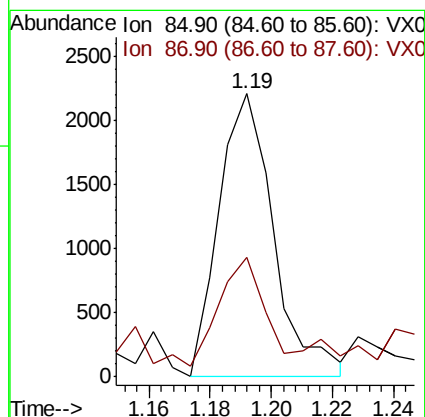
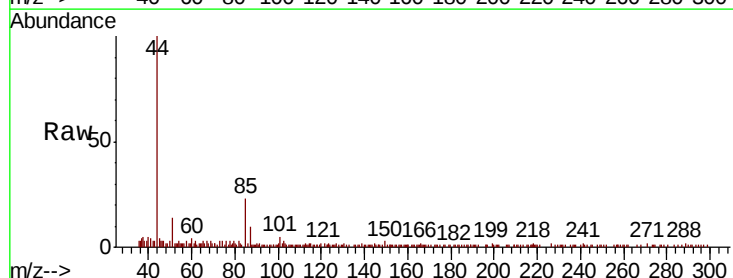
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20191206

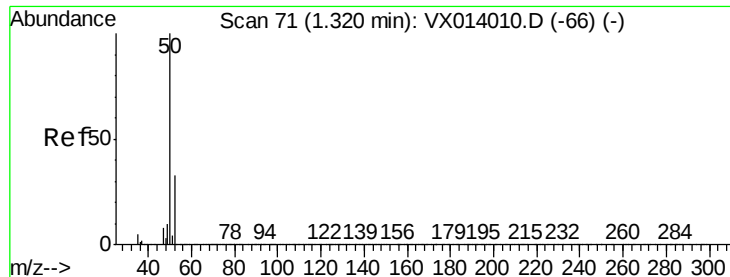
Tot Ion:168 Resp: 567781
Ion Ratio Lower Upper
168 100
99 47.9 40.3 60.5



#2
Dichlorodifluoromethane
Concen: 0.539 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

Tgt Ion: 85 Resp: 2738
Ion Ratio Lower Upper
85 100
87 38.4 16.4 49.2





#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

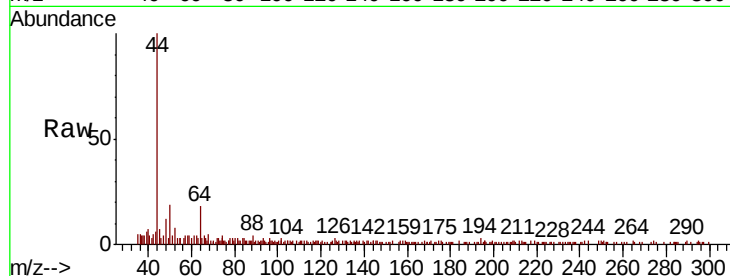
RE105D1-20191206

Tot Ion: 50 Resp: 1781

Ion Ratio Lower Upper

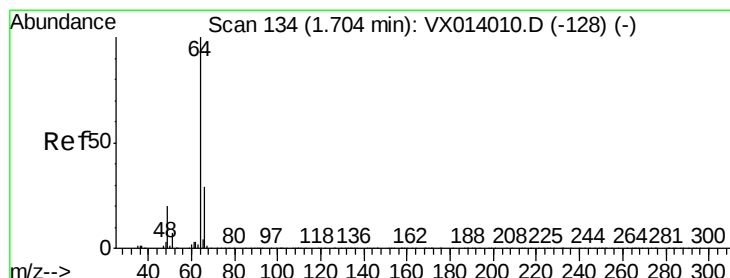
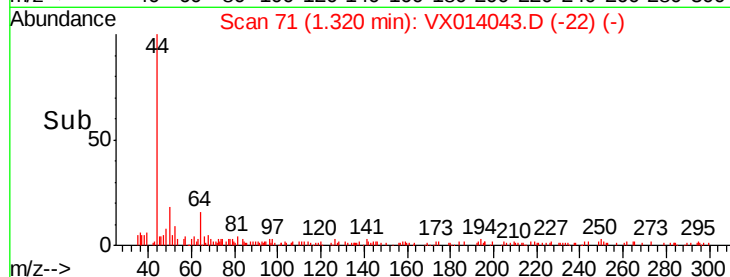
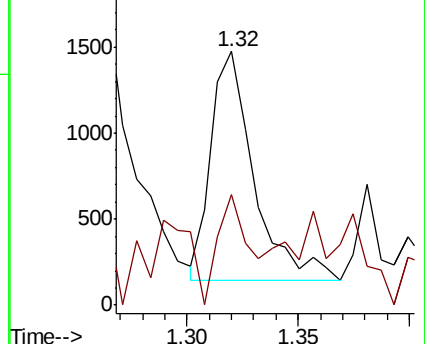
50 100

52 21.8 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: 4.312 ug/l

RT: 1.59 min Scan# 115

Delta R.T. -0.12 min

Lab File: VX014043.D

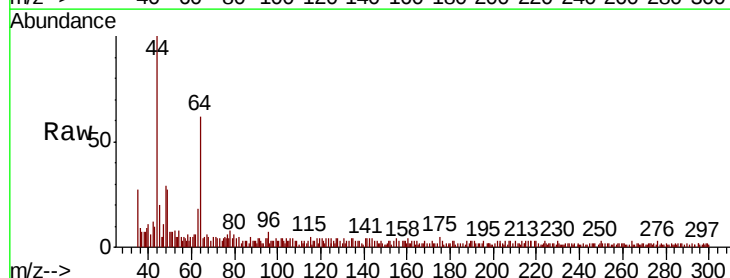
Acq: 16 Dec 2019 18:20

Tgt Ion: 64 Resp: 19143

Ion Ratio Lower Upper

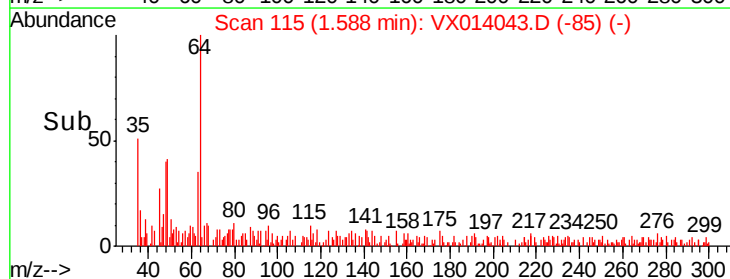
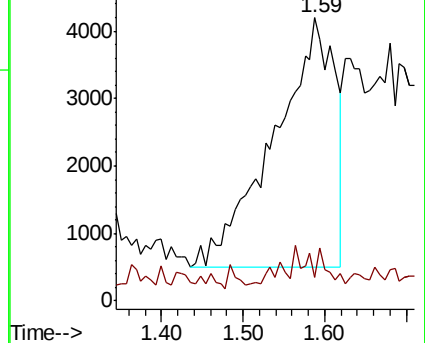
64 100

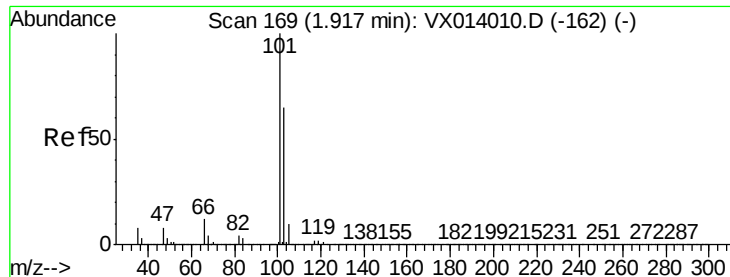
66 1.9 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



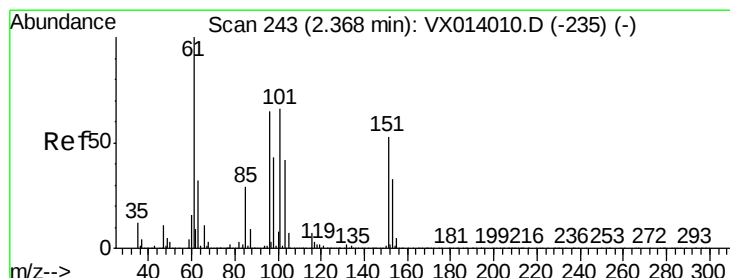
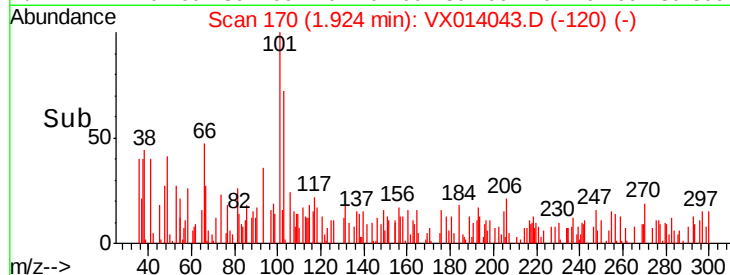
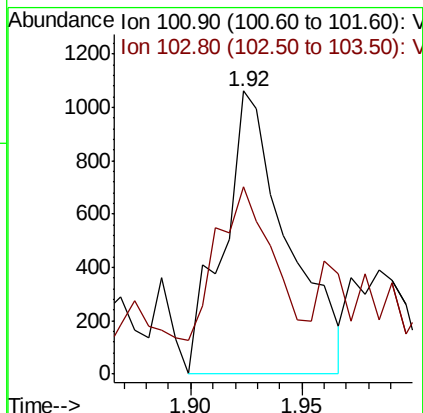
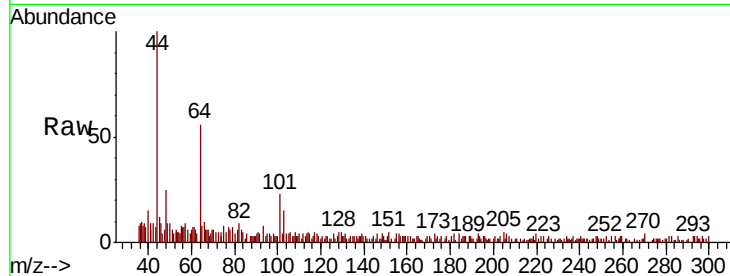


#7

Trichlorofluoromethane
 Concen: 0.239 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014043.D
 Acq: 16 Dec 2019 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20191206

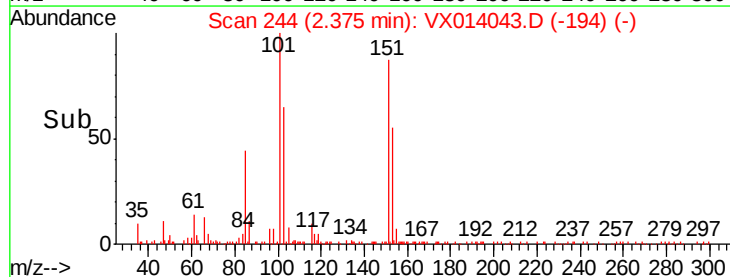
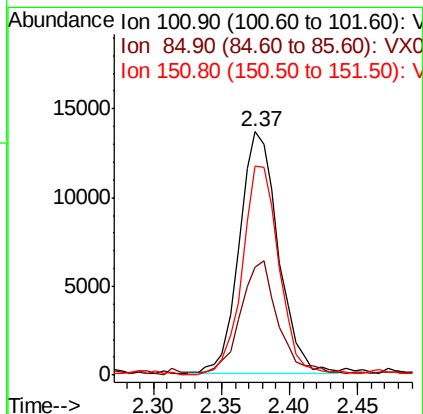
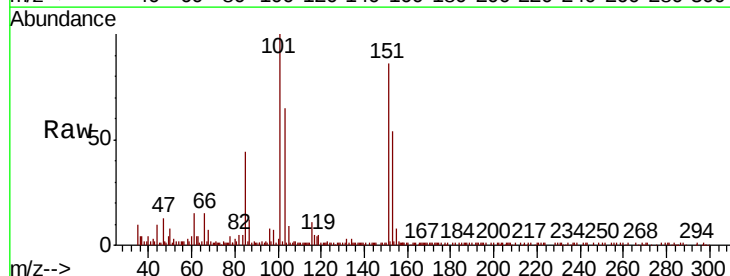
Tot Ion:101 Resp: 2128
 Ion Ratio Lower Upper
 101 100
 103 43.7 52.2 78.4#

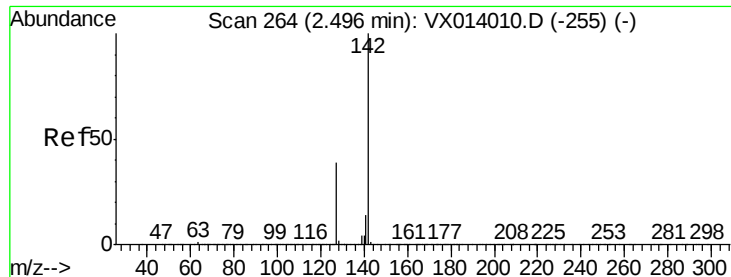


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 5.095 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014043.D
 Acq: 16 Dec 2019 18:20

Tgt Ion:101 Resp: 27348
 Ion Ratio Lower Upper
 101 100
 85 44.5 33.7 50.5
 151 82.4 64.5 96.7

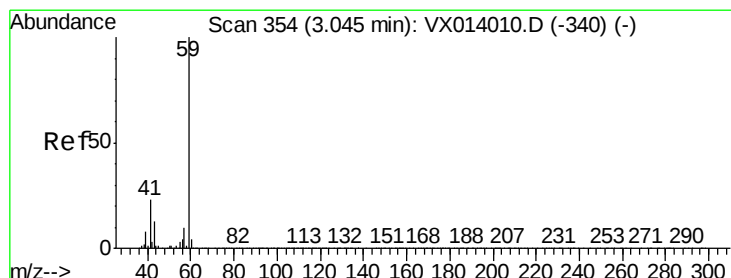
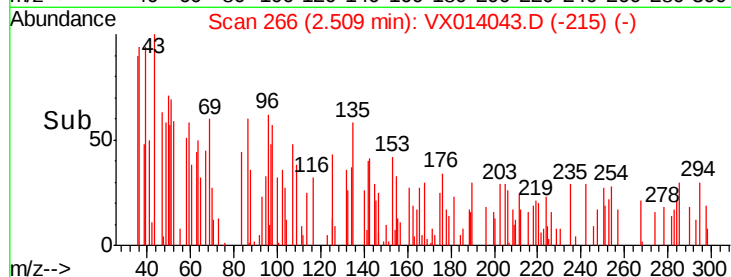
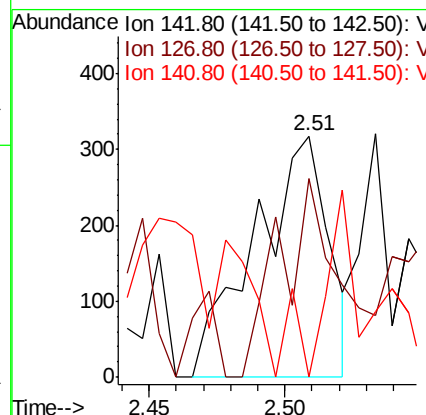
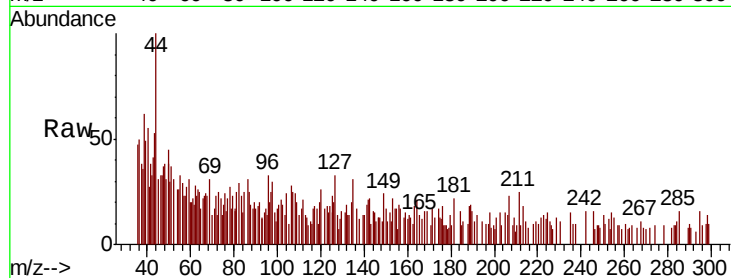




#10
Methyl Iodide
Concen: 2.700 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

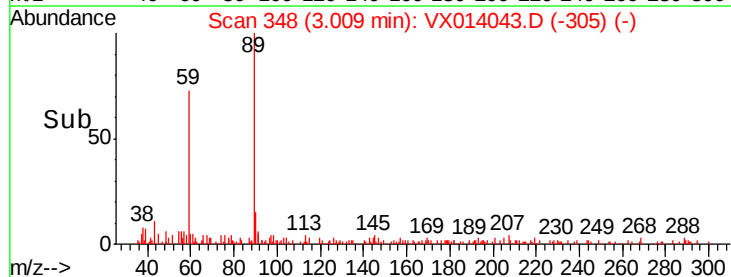
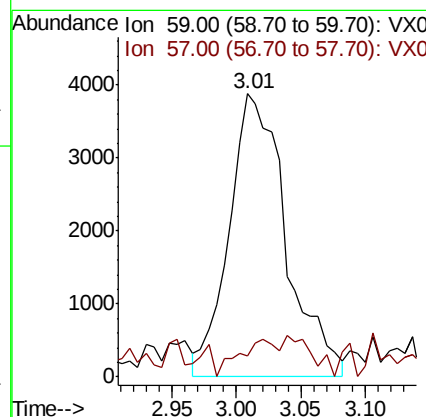
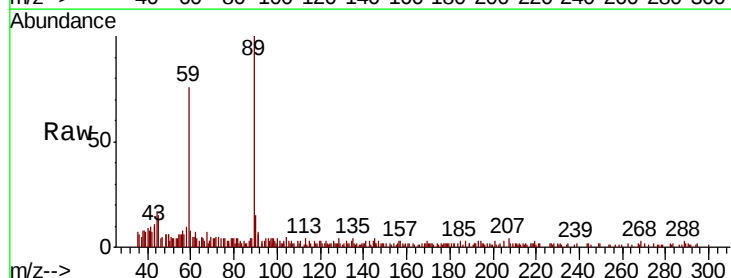
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20191206

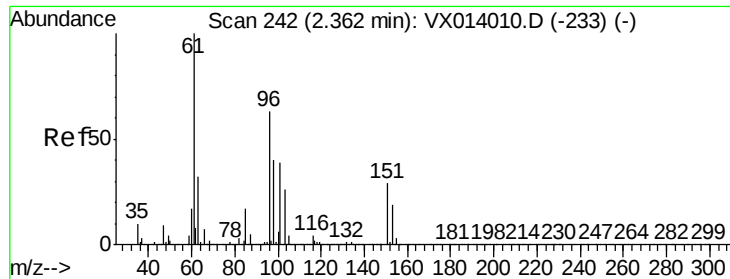
Tot Ion:142 Resp: 595
Ion Ratio Lower Upper
142 100
127 68.7 31.6 47.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.552 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.04 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

Tgt Ion: 59 Resp: 11891
Ion Ratio Lower Upper
59 100
57 8.9 8.4 12.6





#12

1,1-Dichloroethene

Concen: 0.682 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

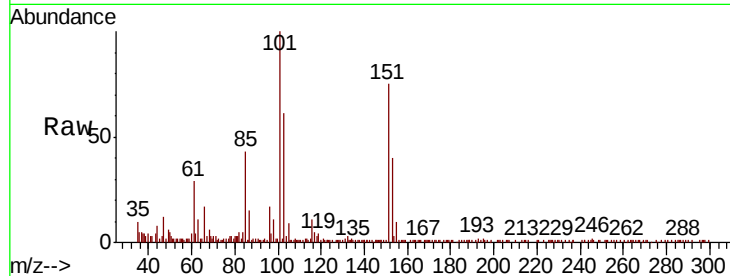
Tot Ion: 96 Resp: 3725

Ion Ratio Lower Upper

96 100

61 148.6 127.9 191.9

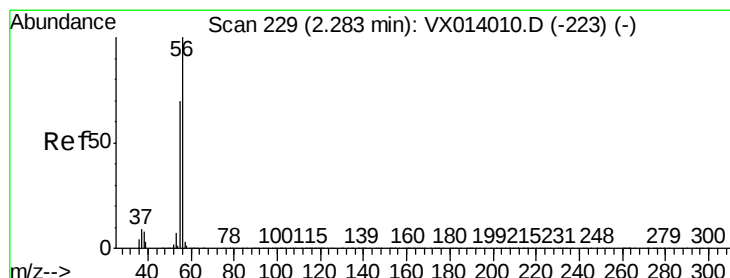
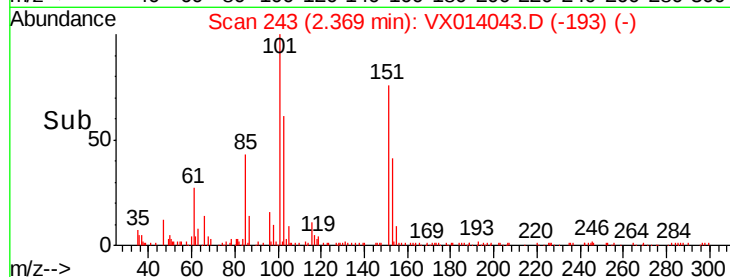
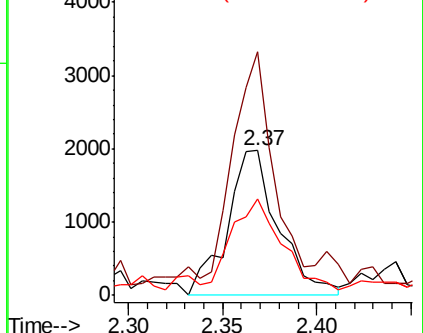
98 53.3 50.5 75.7



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



#13

Acrolein

Concen: 0.648 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014043.D

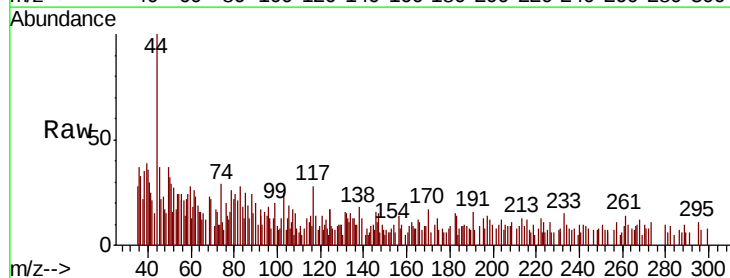
Acq: 16 Dec 2019 18:20

Tgt Ion: 56 Resp: 516

Ion Ratio Lower Upper

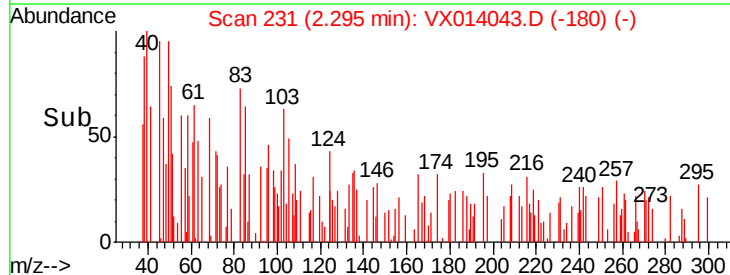
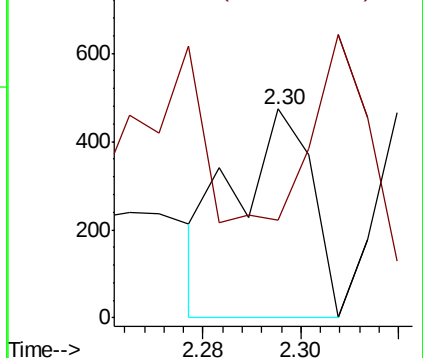
56 100

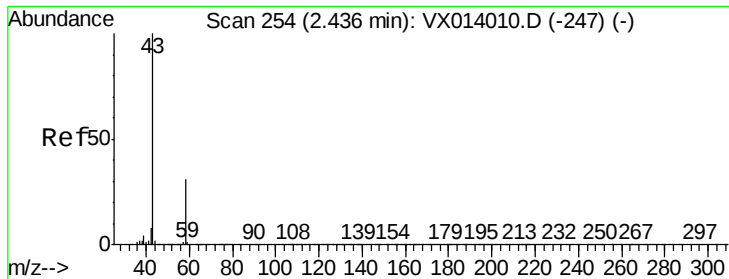
55 77.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.616 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

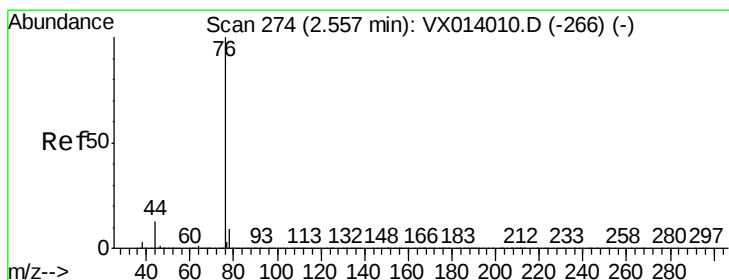
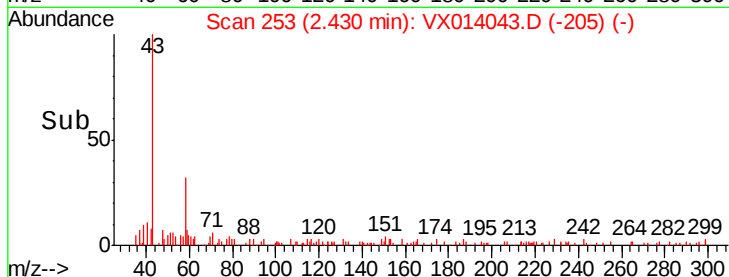
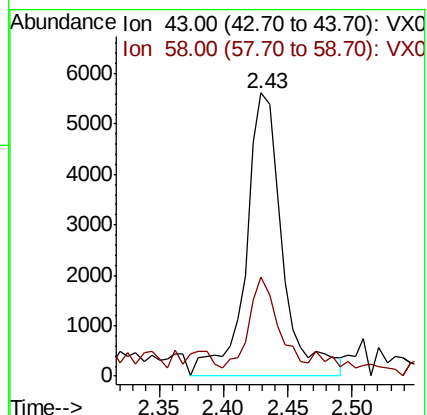
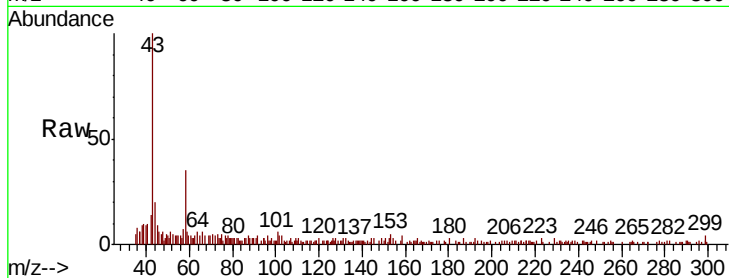
RE105D1-20191206

Tot Ion: 43 Resp: 10929

Ion Ratio Lower Upper

43 100

58 31.7 24.9 37.3



#17

Carbon Disulfide

Concen: 0.781 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014043.D

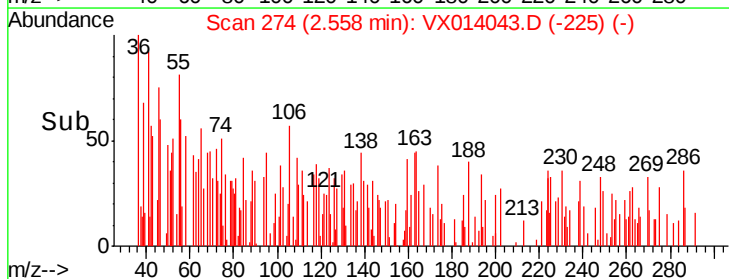
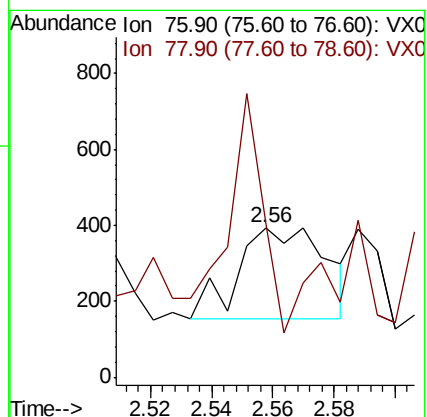
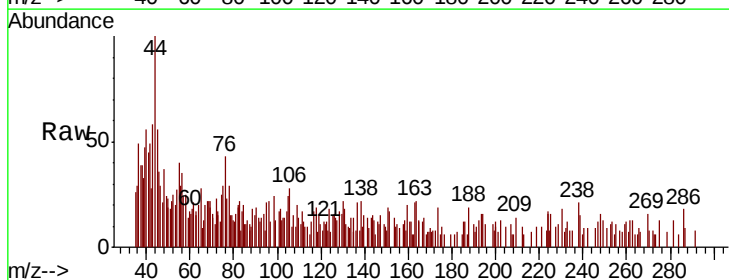
Acq: 16 Dec 2019 18:20

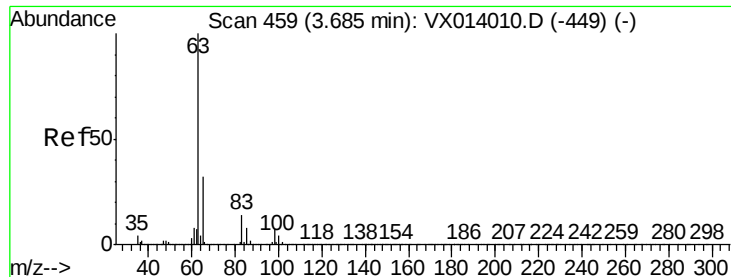
Tgt Ion: 76 Resp: 474

Ion Ratio Lower Upper

76 100

78 45.6 7.2 10.8#





#24

1,1-Dichloroethane

Concen: 0.279 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

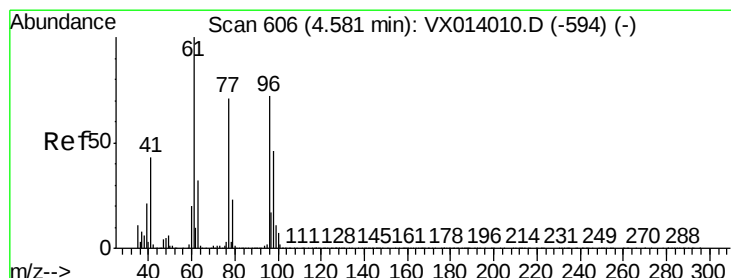
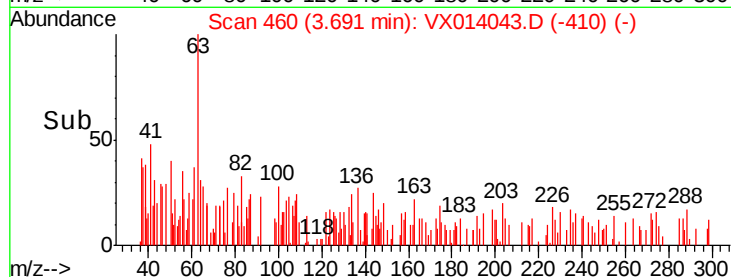
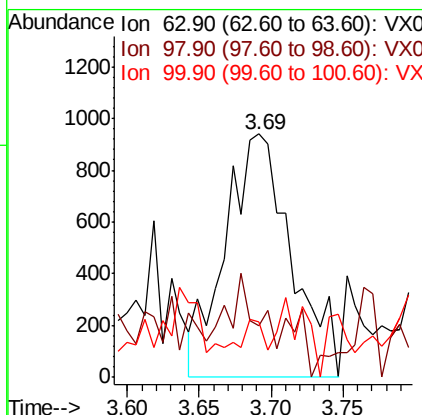
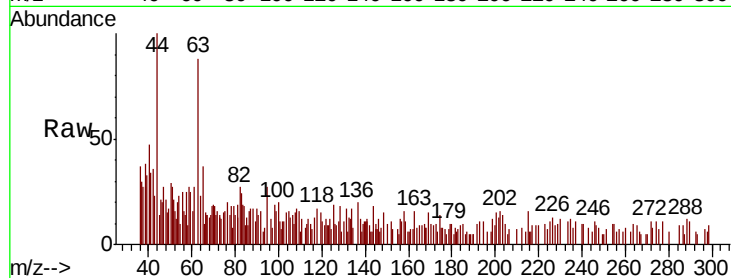
Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

Tot Ion:	63	Resp:	3012
Ion	Ratio	Lower	Upper
63	100		
98	10.6	3.6	10.8
100	0.0	2.3	6.8#



#27

cis-1,2-Dichloroethene

Concen: 1.224 ug/l

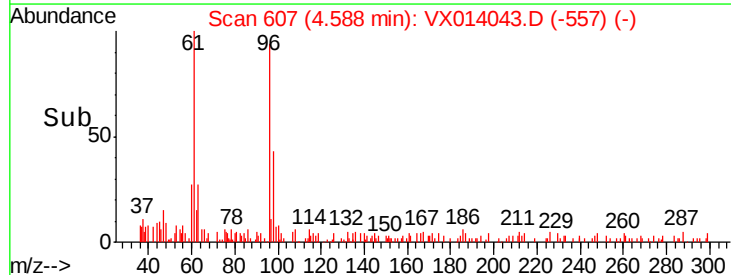
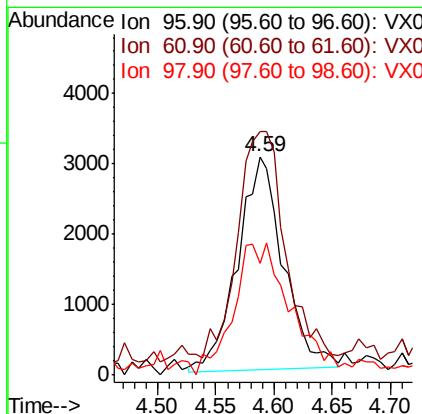
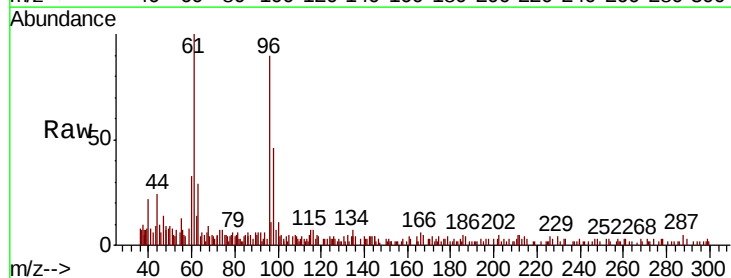
RT: 4.59 min Scan# 607

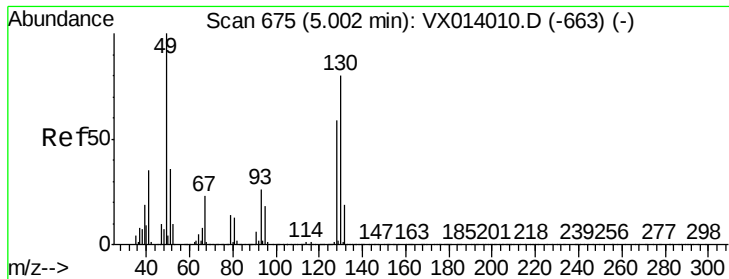
Delta R.T. 0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Tgt Ion:	96	Resp:	8326
Ion	Ratio	Lower	Upper
96	100		
61	116.1	0.0	288.4
98	77.5	0.0	129.6





#28

Bromochloromethane

Concen: 0.517 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

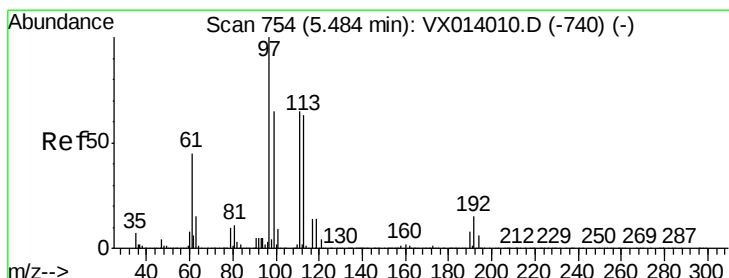
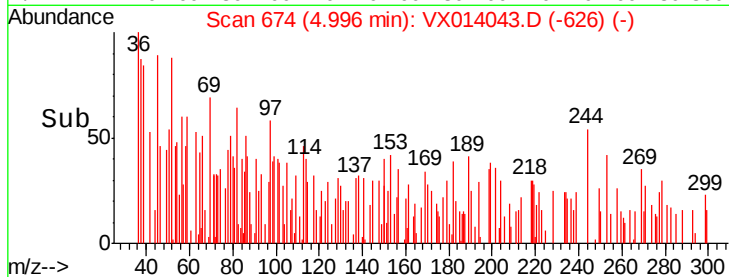
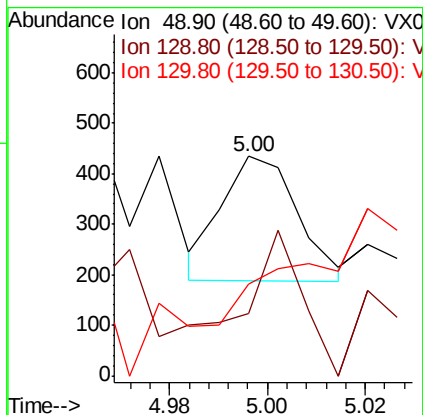
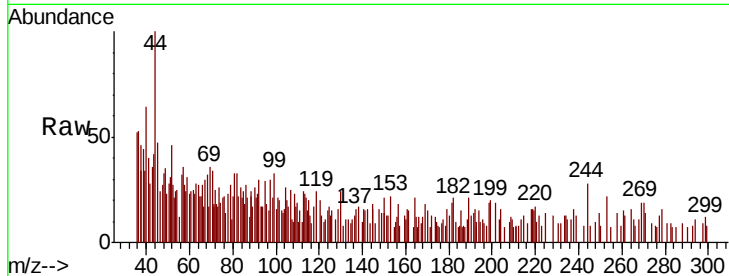
Tot Ion: 49 Resp: 266

Ion Ratio Lower Upper

49 100

129 88.7 0.0 5.0#

130 0.0 64.6 97.0#



#32

1,1,1-Trichloroethane

Concen: 0.493 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

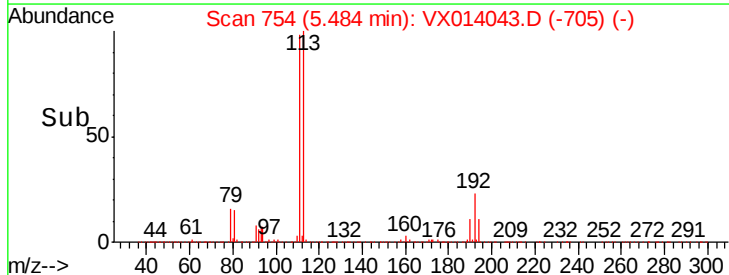
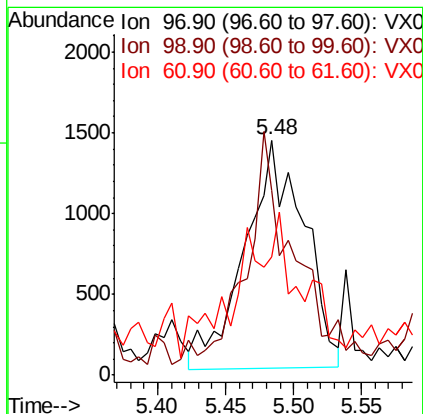
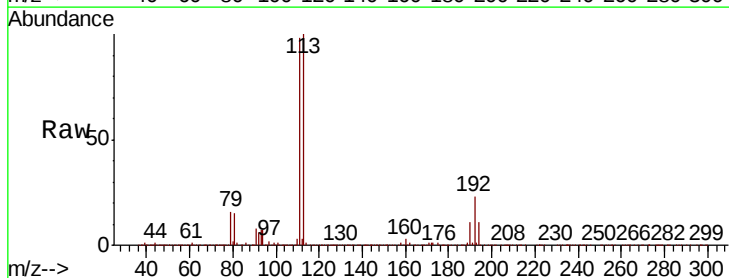
Tgt Ion: 97 Resp: 4304

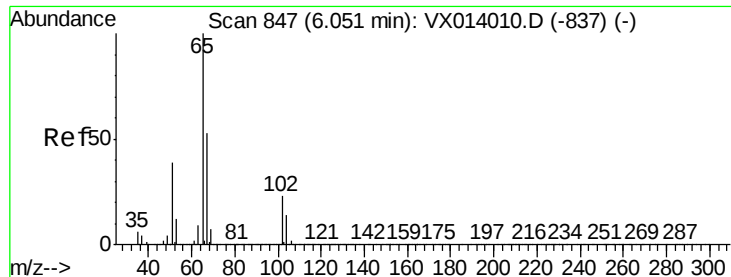
Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 33.0 36.7 55.1#

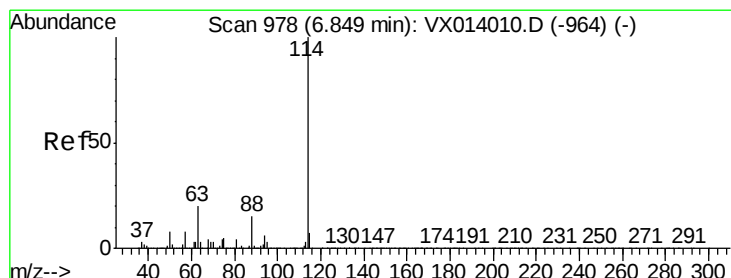
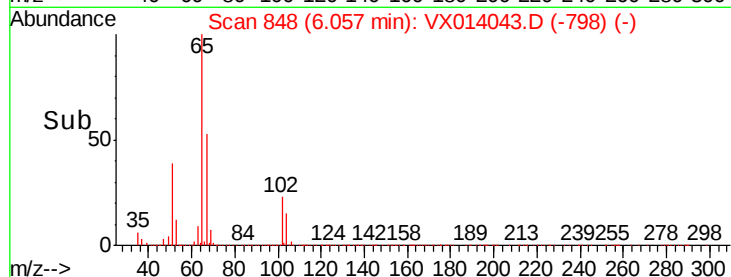
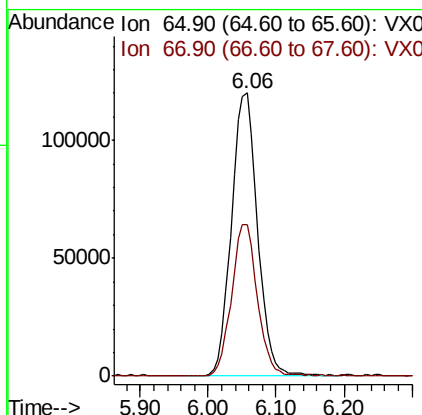
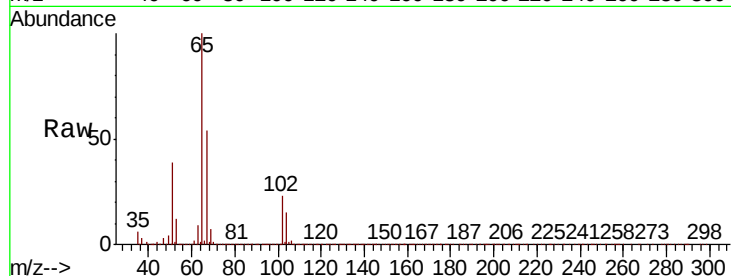




#33
 1,2-Dichloroethane-d4
 Concen: 49.636 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014043.D
 Acq: 16 Dec 2019 18:20

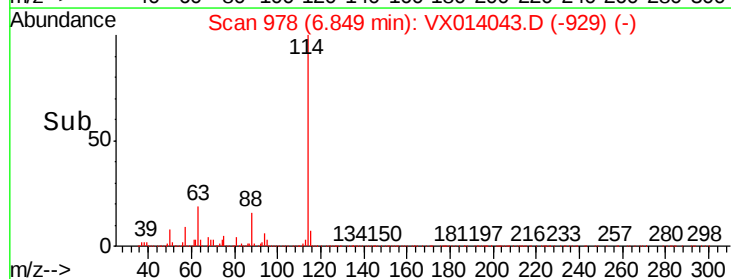
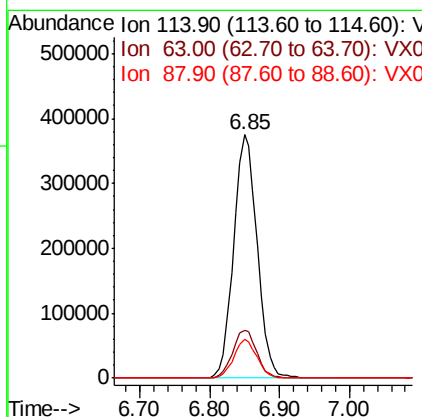
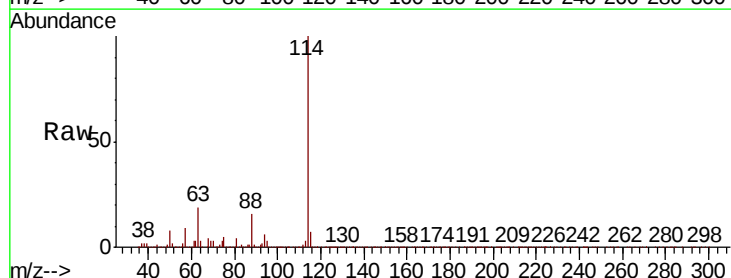
Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20191206

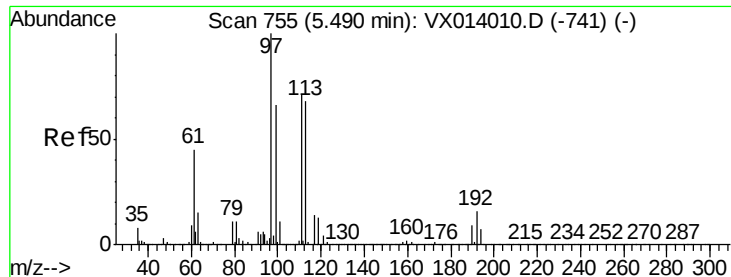
Tot Ion: 65 Resp: 319410
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014043.D
 Acq: 16 Dec 2019 18:20

Tgt Ion: 114 Resp: 873510
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.8
 88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.371 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

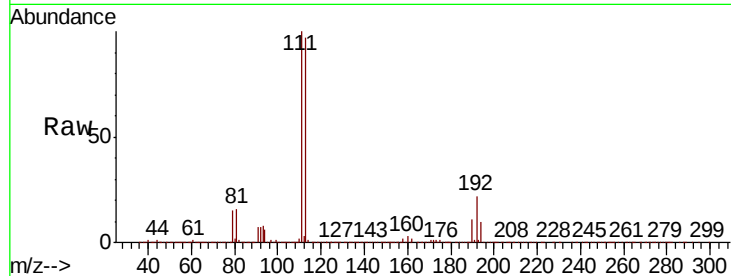
Tot Ion:113 Resp: 262160

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

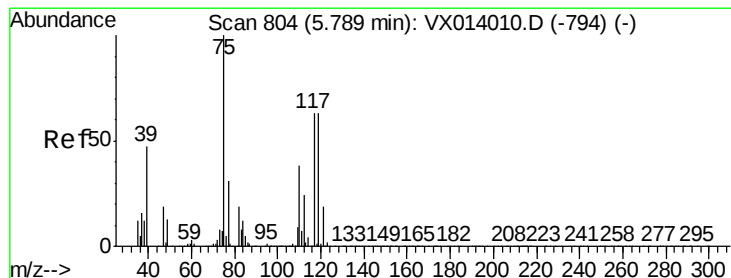
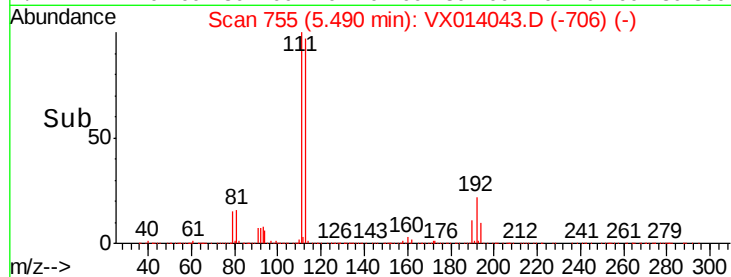
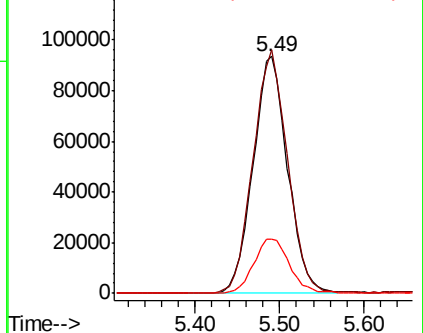
192 24.0 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

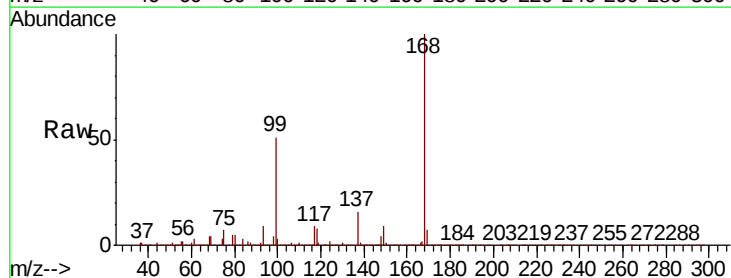
Tgt Ion: 75 Resp: 38913

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.9#

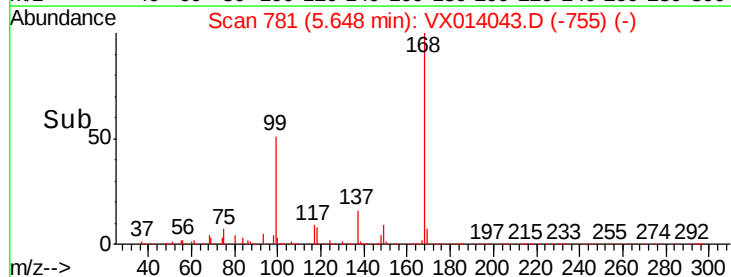
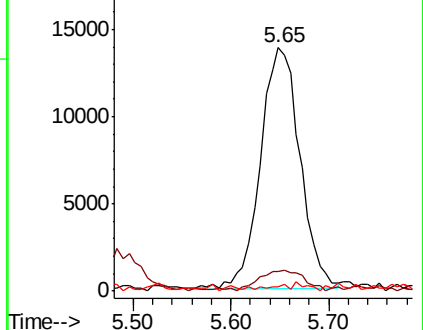
77 0.7 24.8 37.2#

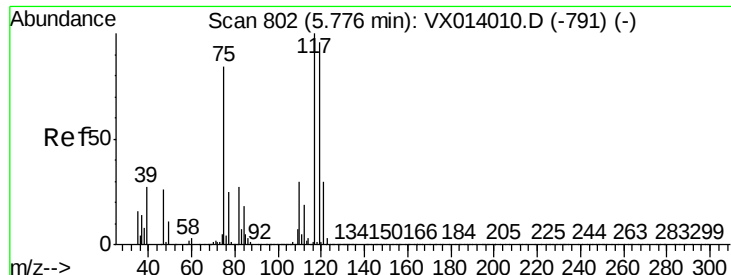


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 0.305 ug/l

RT: 5.78 min Scan# 803

Delta R.T. 0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

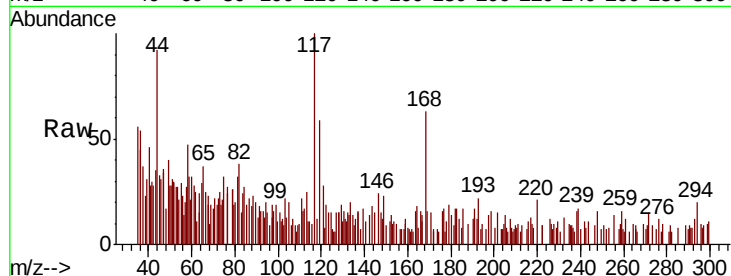
Tot Ion:117 Resp: 2230

Ion Ratio Lower Upper

117 100

119 50.6 76.2 114.4#

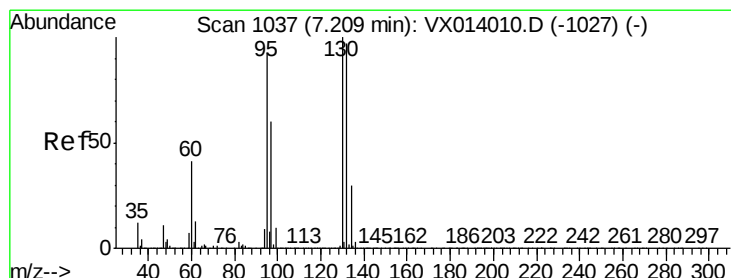
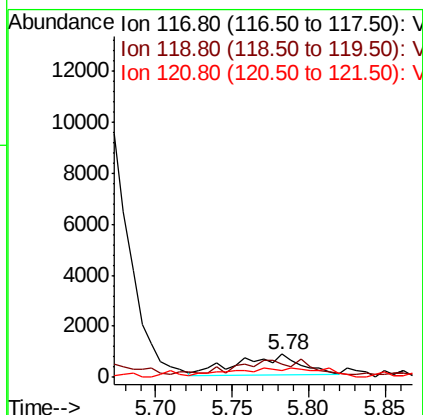
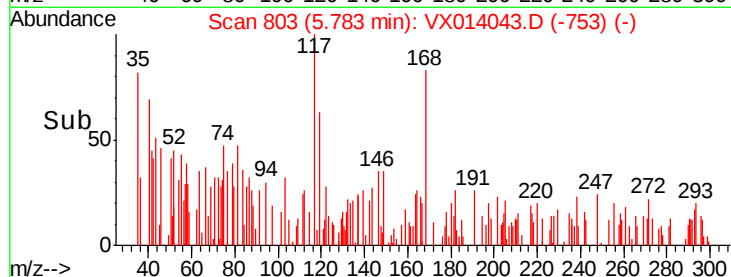
121 20.8 23.6 35.4#



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: 80.475 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014043.D

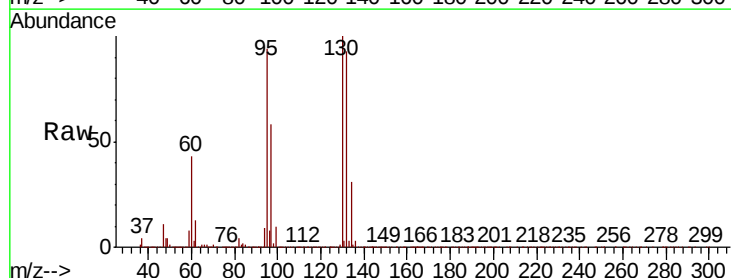
Acq: 16 Dec 2019 18:20

Tgt Ion:130 Resp: 548165

Ion Ratio Lower Upper

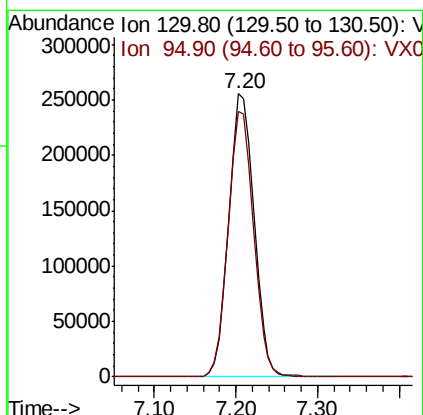
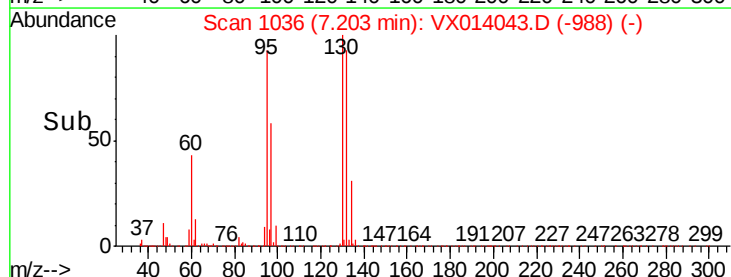
130 100

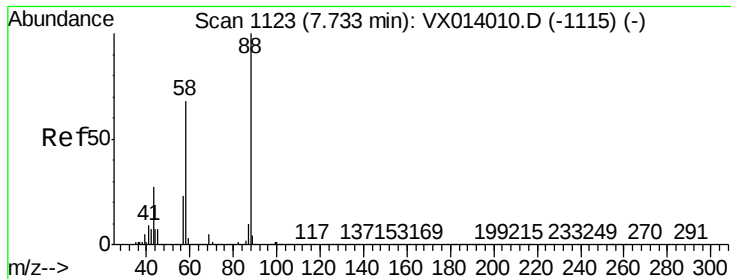
95 93.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 14.284 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20191206

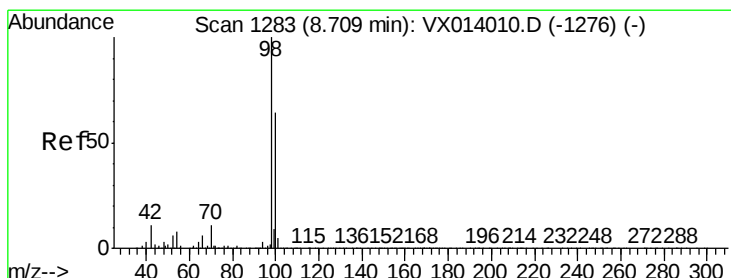
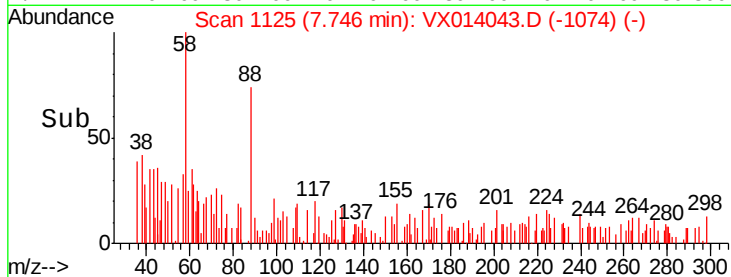
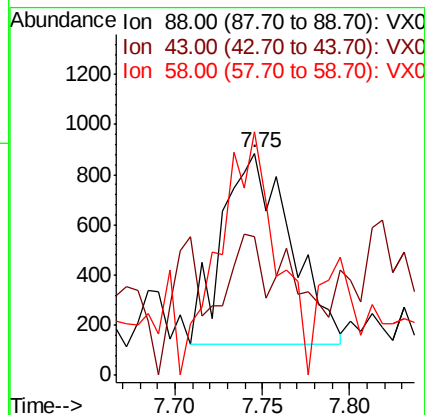
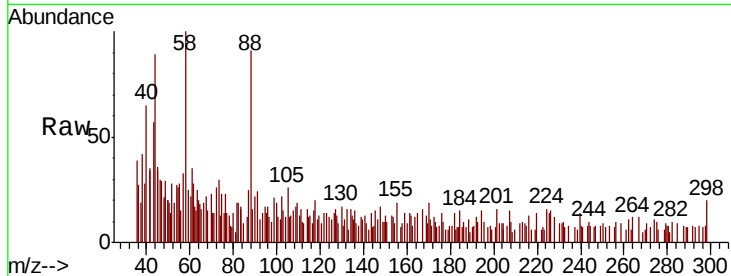
Tot Ion: 88 Resp: 2085

Ion Ratio Lower Upper

88 100

43 13.8 26.5 39.7#

58 104.0 56.8 85.2#



#50

Toluene-d8

Concen: 50.025 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014043.D

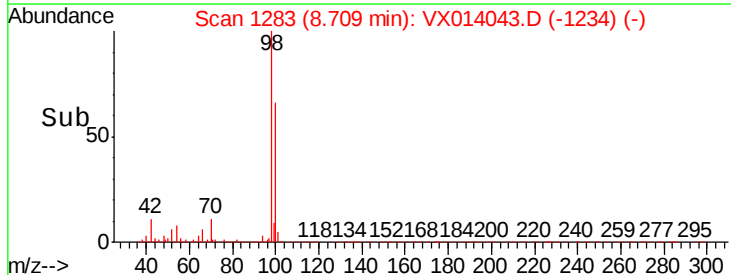
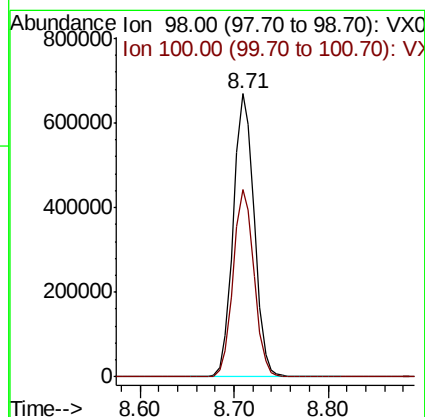
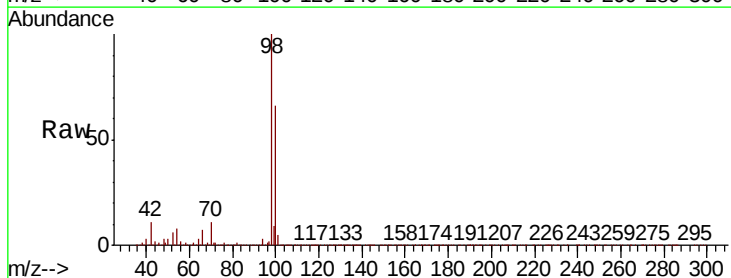
Acq: 16 Dec 2019 18:20

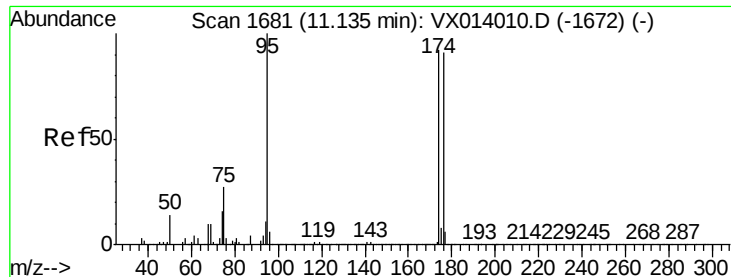
Tgt Ion: 98 Resp: 1034178

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

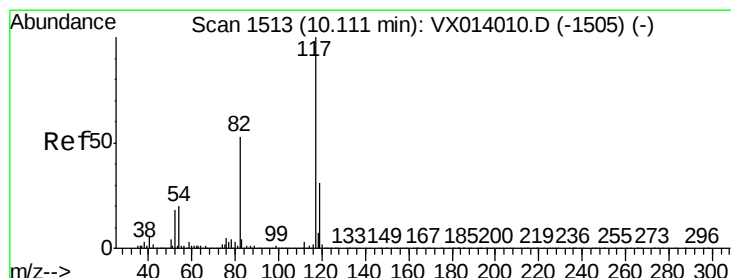
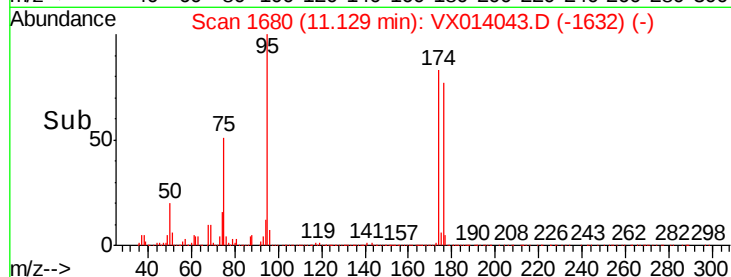
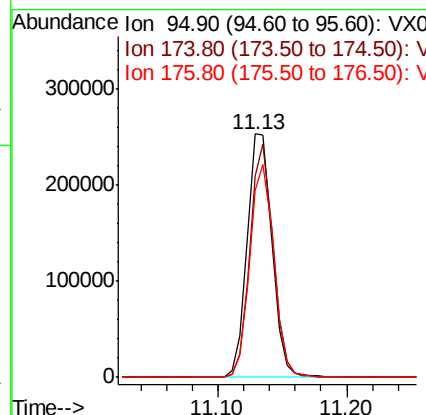
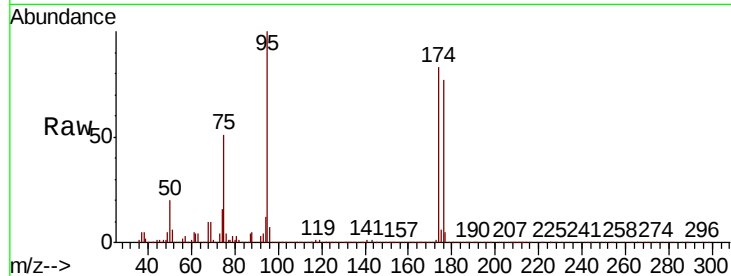




#62
4-Bromofluorobenzene
Concen: 44.505 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

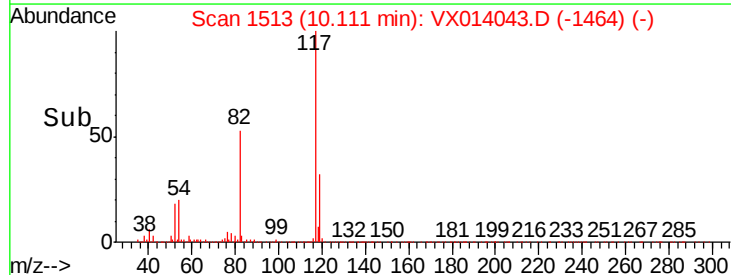
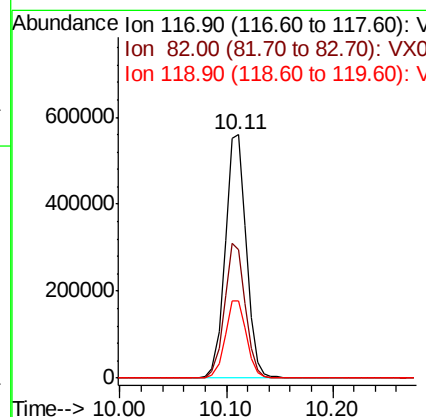
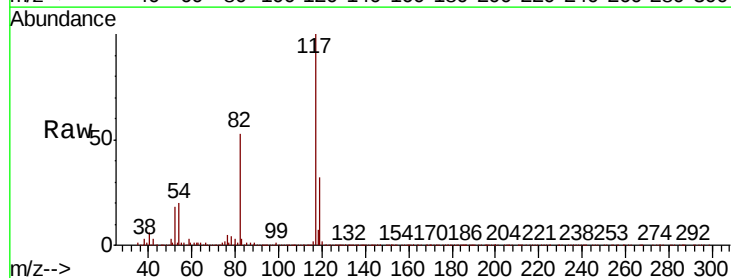
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20191206

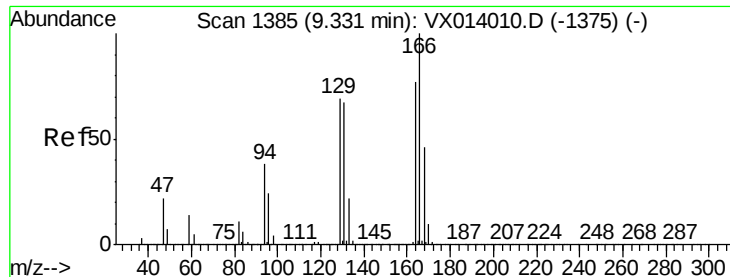
Tot Ion: 95 Resp: 336322
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.8
176 84.9 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

Tgt Ion: 117 Resp: 771740
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.8 25.1 37.7

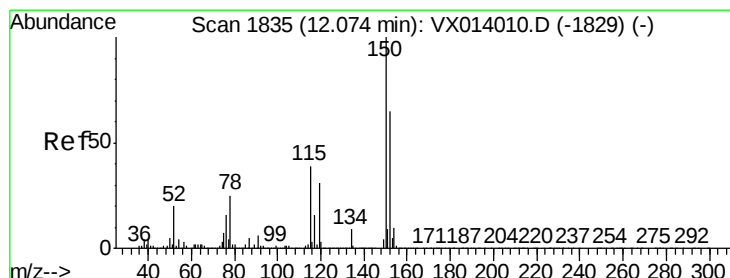
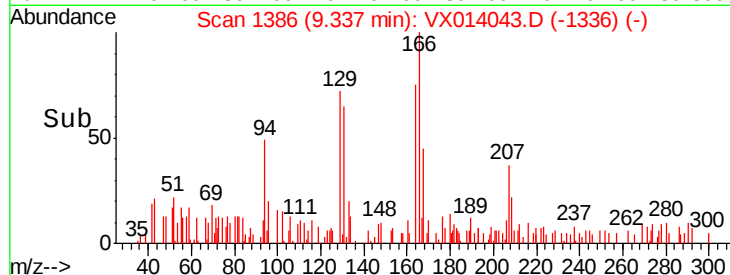
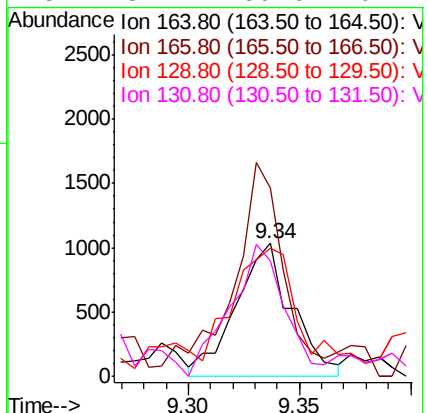
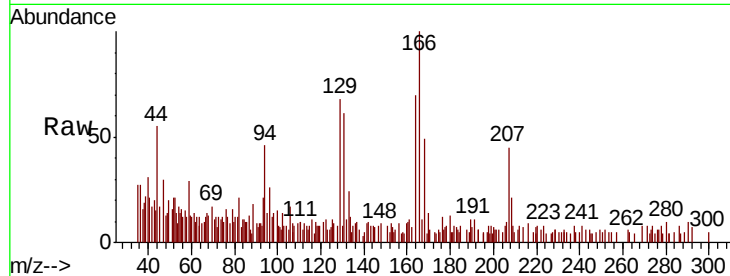




#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

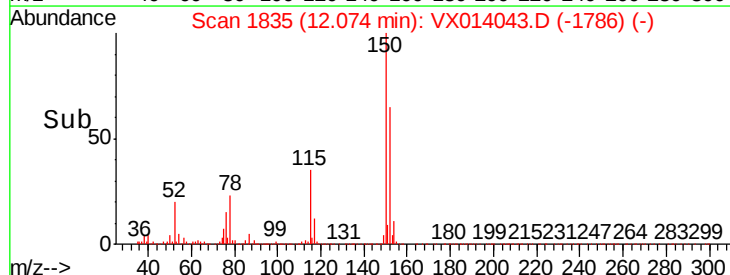
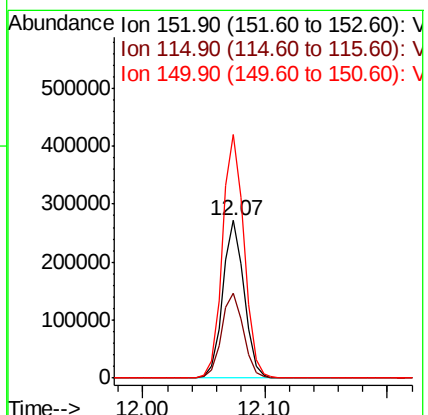
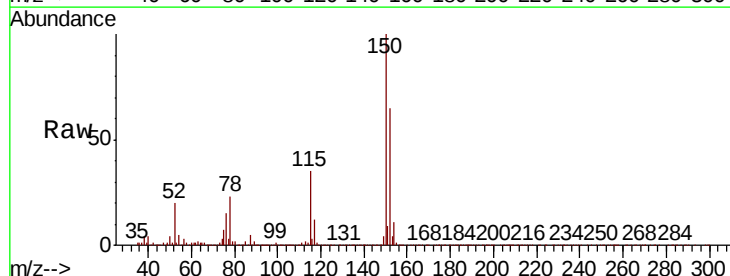
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20191206

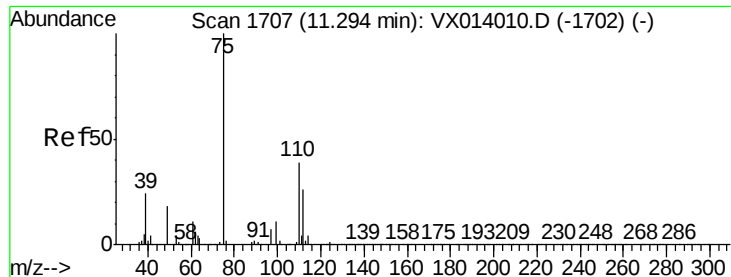
Tot Ion:	164	Resp:	1805
Ion	Ratio	Lower	Upper
164	100		
166	134.5	104.0	156.0
129	85.7	72.2	108.4
131	82.2	69.6	104.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014043.D
Acq: 16 Dec 2019 18:20

Tgt Ion:	152	Resp:	327373
Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.3	114.9
150	156.9	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 23.334 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

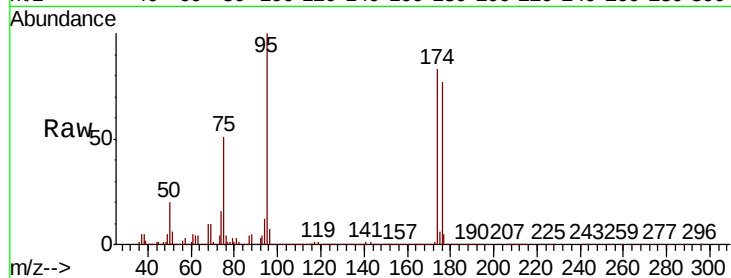
RE105D1-20191206

Tot Ion: 75 Resp: 165843

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

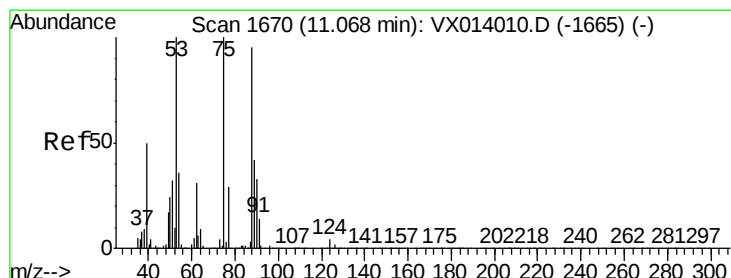
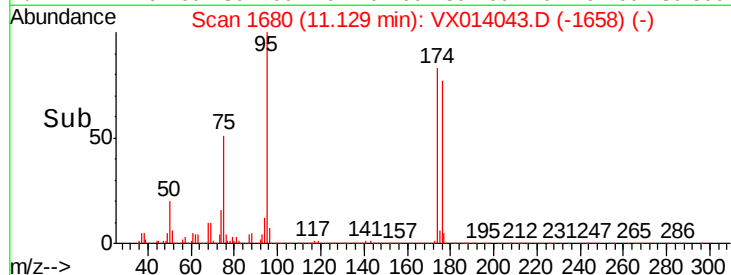
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.862 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014043.D

Acq: 16 Dec 2019 18:20

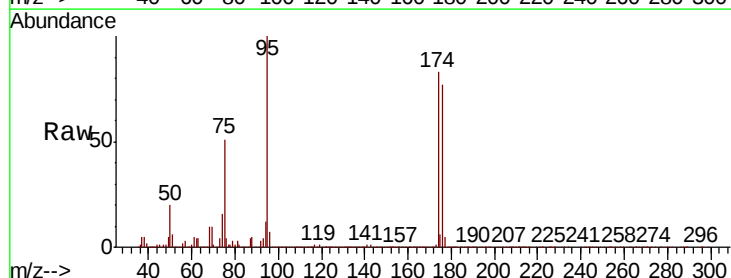
Tgt Ion: 75 Resp: 165843

Ion Ratio Lower Upper

75 100

53 0.1 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

11.13

150000

100000

50000

0

Time-->

