

Data File : VX013942.D
Acq On : 11 Dec 2019 14:21
Operator : JC/SP
Sample : K6185-13DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20191205DL

Quant Time: Dec 12 04:00:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	583445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	895774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	795147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	343325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	330436	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.49	113	267120	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1065117	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	351482	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	

Target Compounds

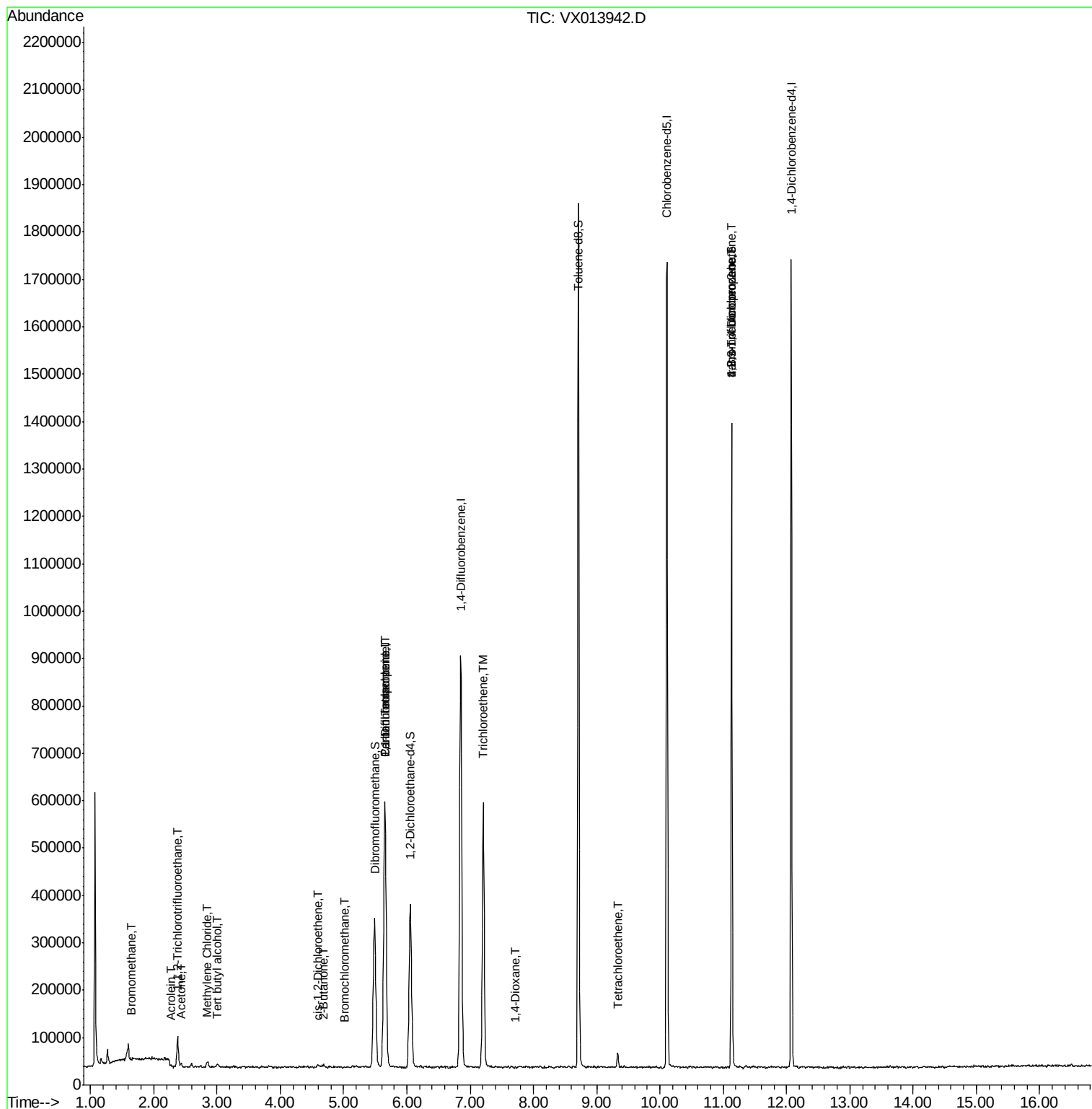
						Qvalue
5) Bromomethane	1.65	94	2559	0.465	ug/l #	63
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25767	4.632	ug/l	97
11) Tert butyl alcohol	3.01	59	6313	3.776	ug/l #	83
13) Acrolein	2.28	56	243	6.216	ug/l #	15
16) Acetone	2.43	43	6583	1.969	ug/l	98
20) Methylene Chloride	2.85	84	6905	1.075	ug/l #	90
25) 2-Butanone	4.68	43	1229	0.247	ug/l #	36
27) cis-1,2-Dichloroethene	4.59	96	3098	0.446	ug/l	85
28) Bromochloromethane	5.00	49	899	0.202	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	39668	4.878	ug/l #	52
38) Carbon Tetrachloride	5.65	117	50648	6.755	ug/l #	16
44) Trichloroethene	7.20	130	223251	32.846	ug/l	98
49) 1,4-Dioxane	7.72	88	421	2.578	ug/l #	38
64) Tetrachloroethene	9.33	164	6811	1.149	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	172627	22.355	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	172627	61.160	ug/l #	11

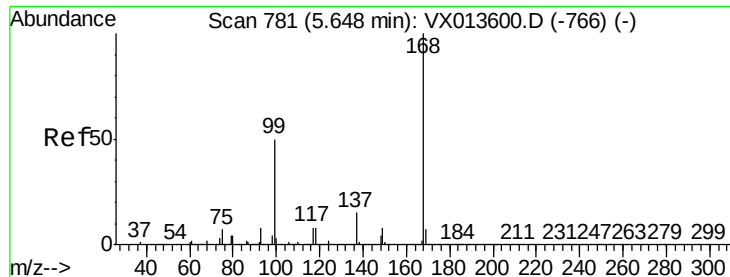
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX013942.D
Acq On : 11 Dec 2019 14:21
Operator : JC/SP
Sample : K6185-13DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20191205DL

Quant Time: Dec 12 04:00:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

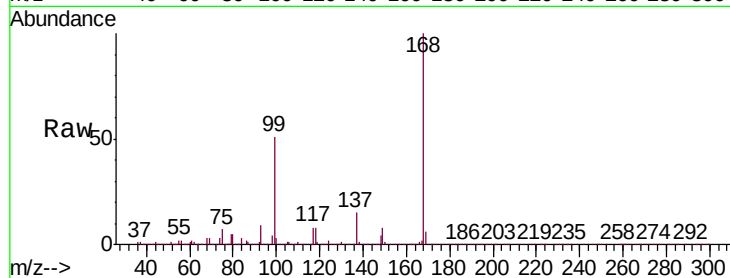
RE125D3-20191205DL

Tgt Ion: 168 Resp: 583445

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

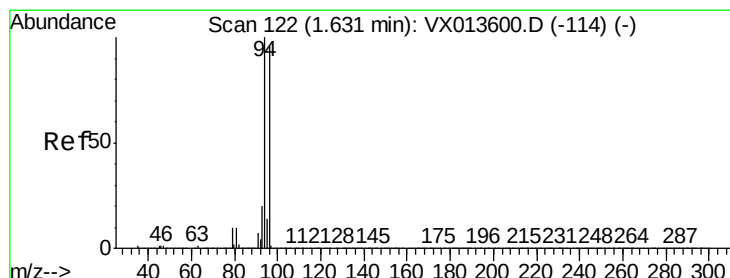
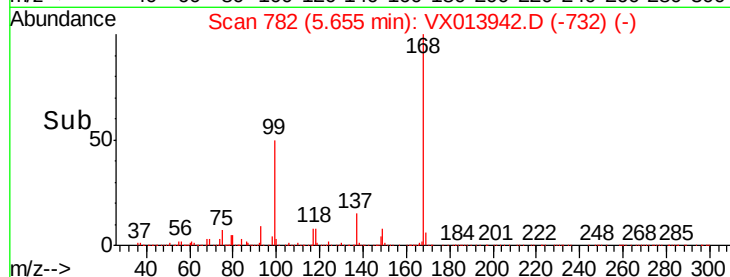
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.465 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013942.D

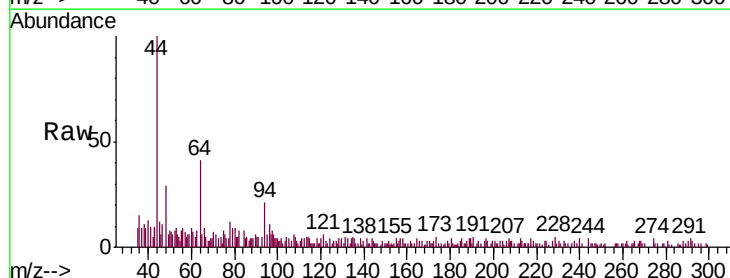
Acq: 11 Dec 2019 14:21

Tgt Ion: 94 Resp: 2559

Ion Ratio Lower Upper

94 100

96 59.8 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

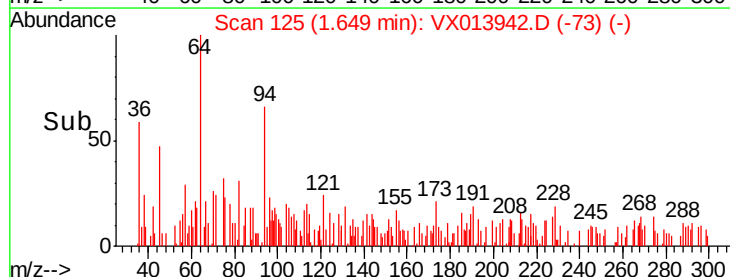
600

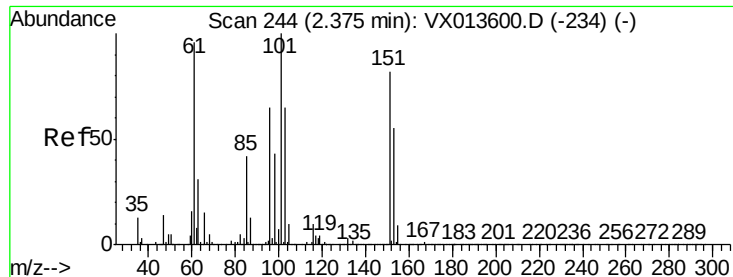
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.632 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

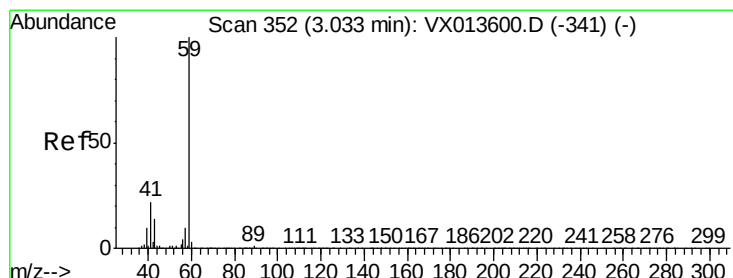
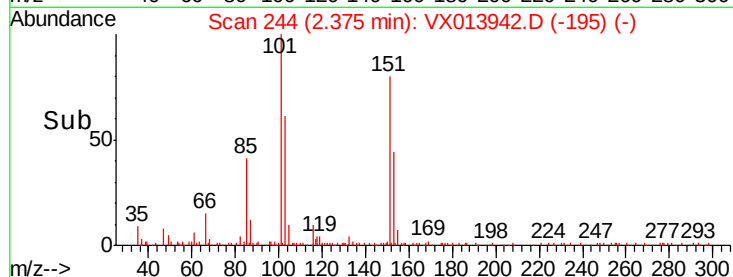
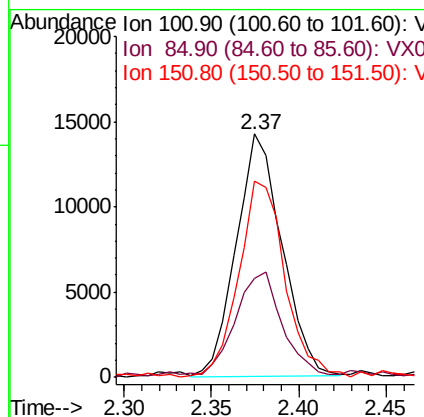
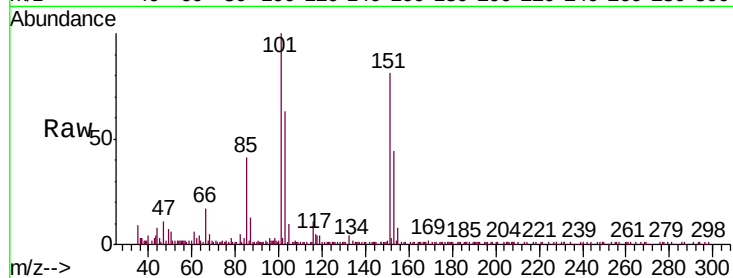
Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20191205DL

Tgt Ion:	101	Resp:	25767
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.9	50.9
151	82.4	64.2	96.2



#11

Tert butyl alcohol

Concen: 3.776 ug/l

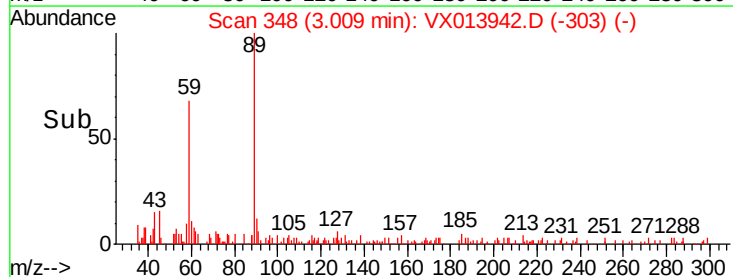
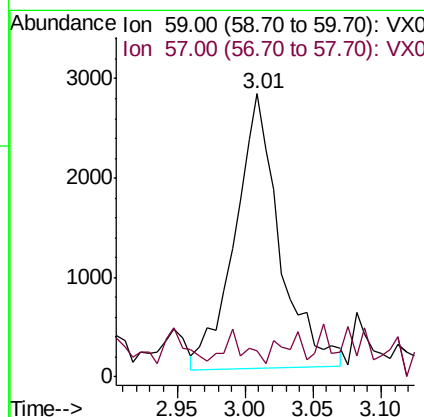
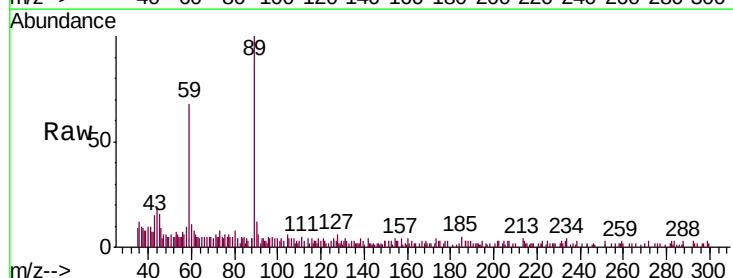
RT: 3.01 min Scan# 348

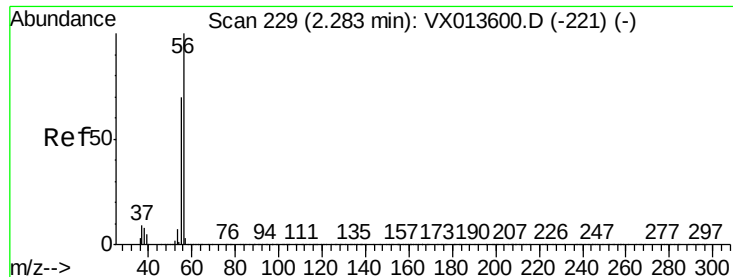
Delta R.T. -0.02 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Tgt Ion:	59	Resp:	6313
Ion Ratio	Lower	Upper	
59	100		
57	3.6	7.8	11.6#





#13

Acrolein

Concen: 6.216 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

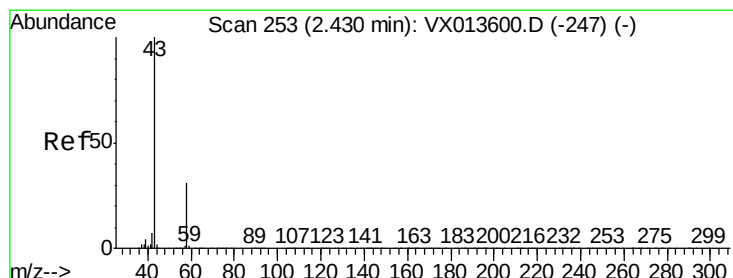
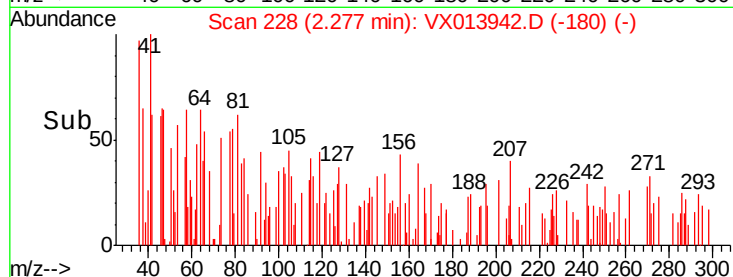
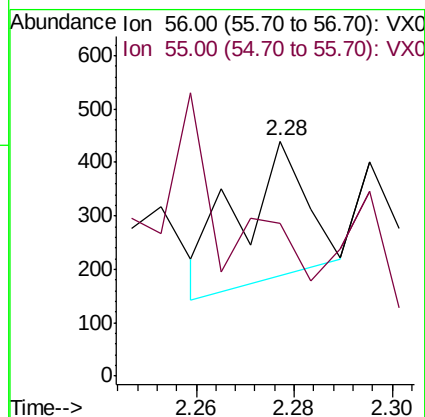
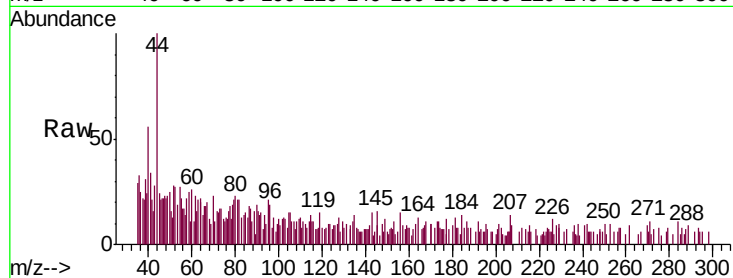
RE125D3-20191205DL

Tgt Ion: 56 Resp: 243

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 1.969 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013942.D

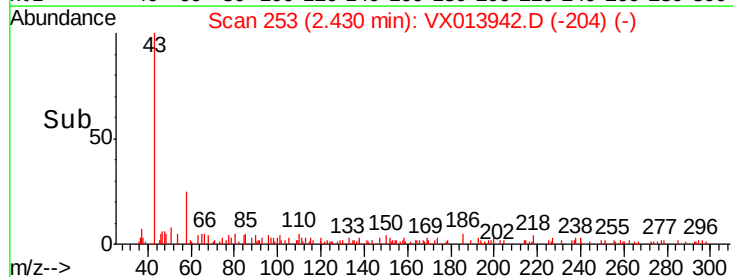
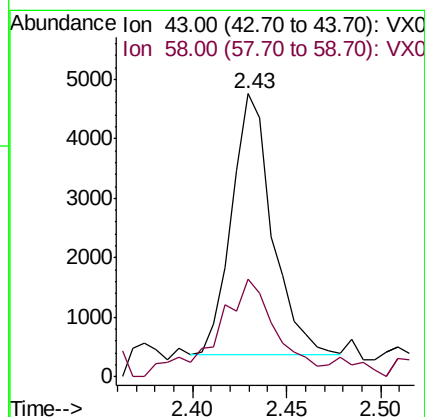
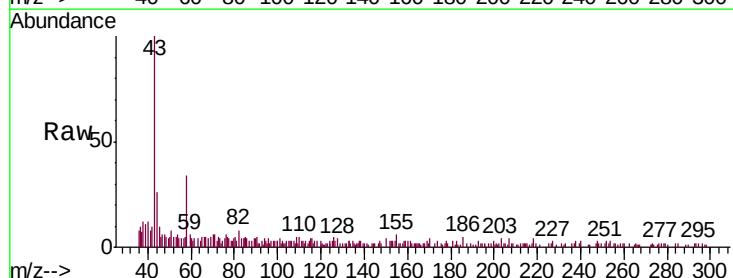
Acq: 11 Dec 2019 14:21

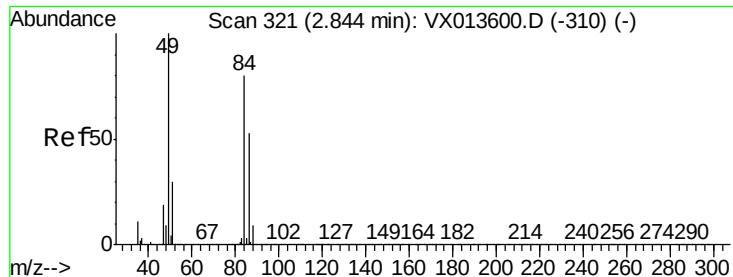
Tgt Ion: 43 Resp: 6583

Ion Ratio Lower Upper

43 100

58 31.7 24.6 36.8

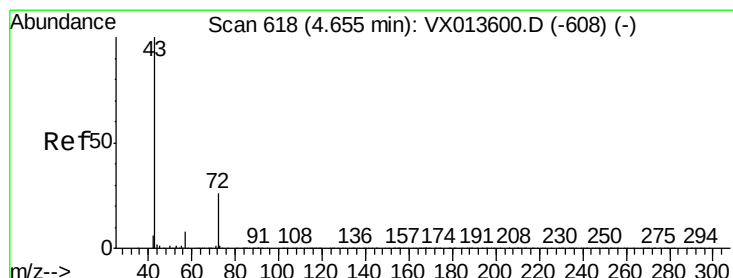
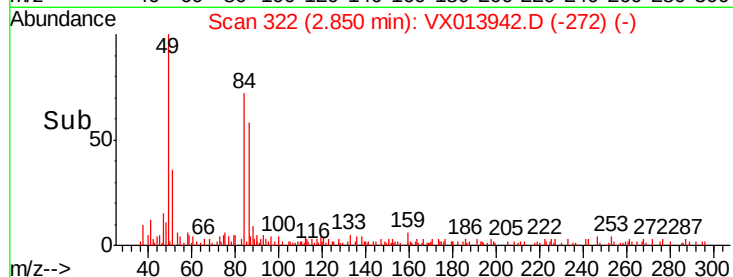
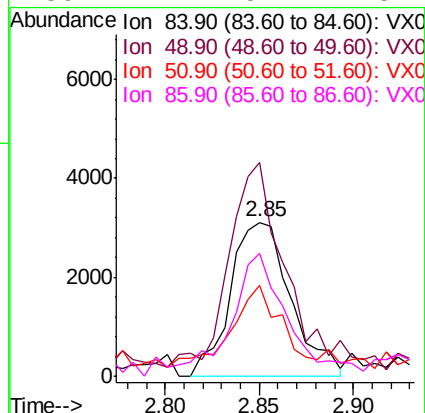
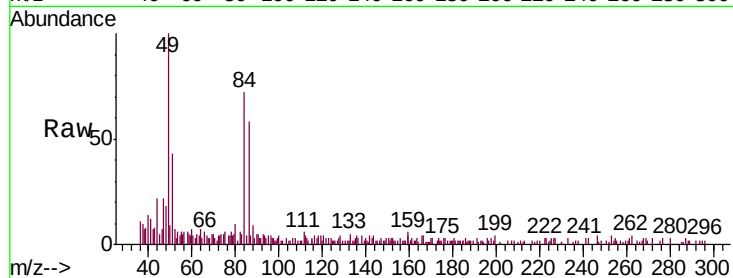




#20
Methylene Chloride
Concen: 1.075 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

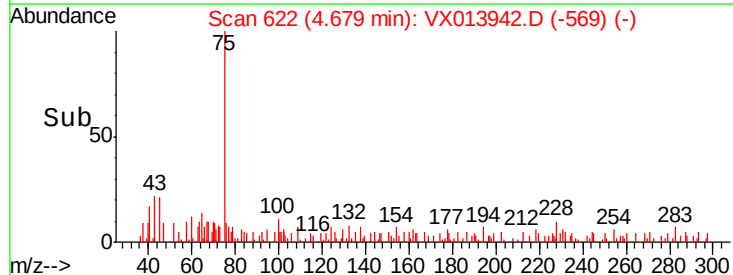
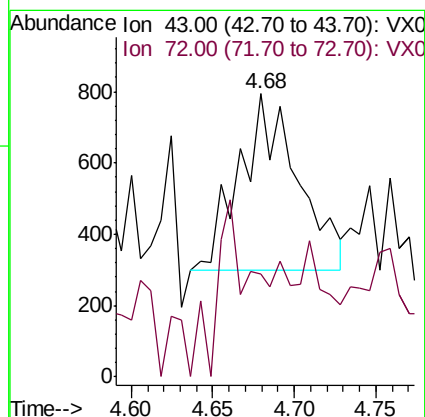
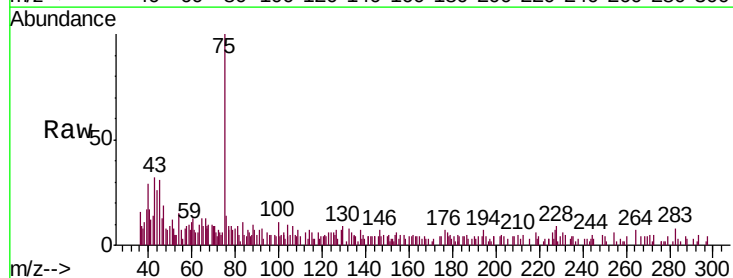
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20191205DL

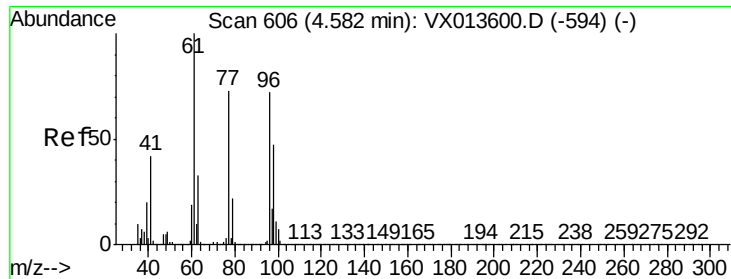
Tgt Ion: 84 Resp: 6905
Ion Ratio Lower Upper
84 100
49 129.5 99.7 149.5
51 53.2 29.9 44.9#
86 74.1 52.2 78.4



#25
2-Butanone
Concen: 0.247 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 58.4 20.6 31.0#



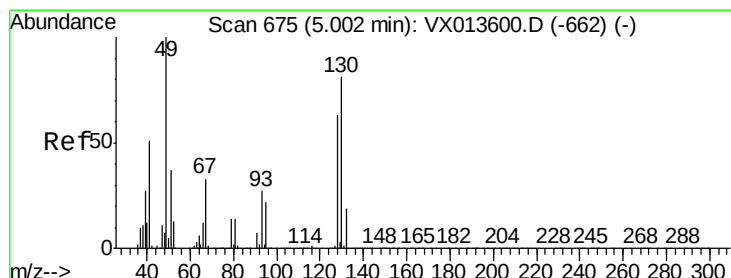
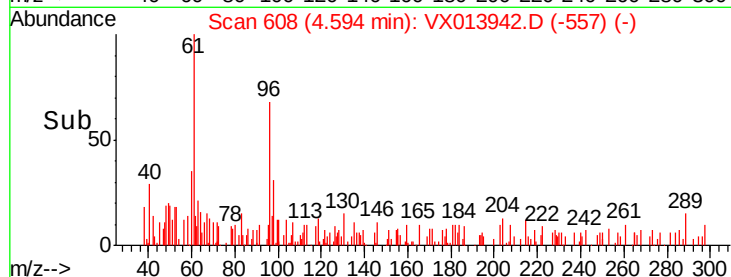
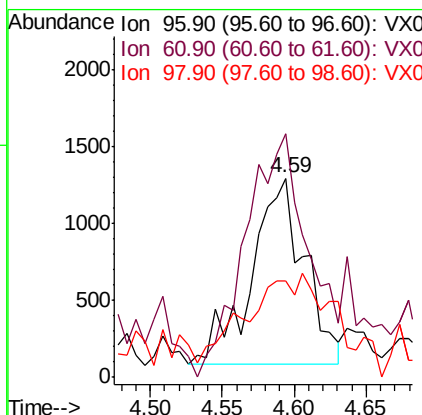
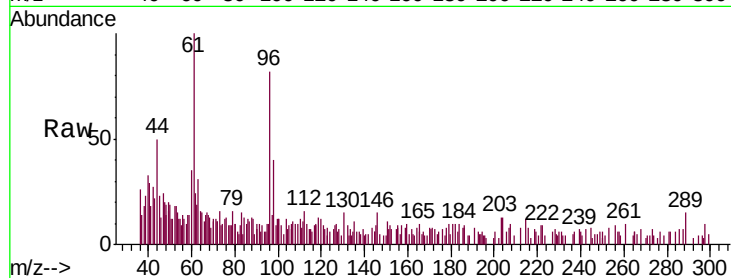


#27

cis-1,2-Dichloroethene
Concen: 0.446 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20191205DL

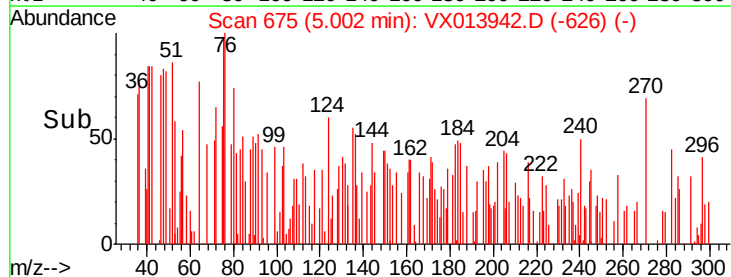
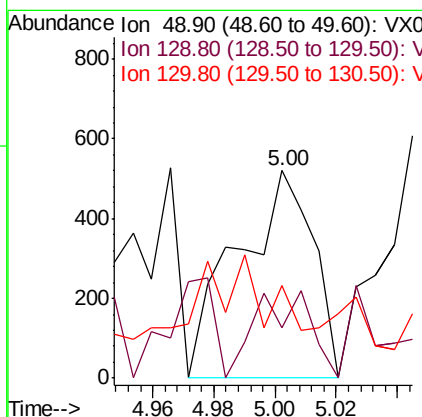
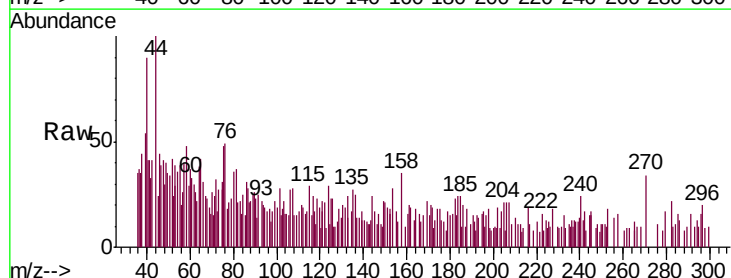
Tgt Ion: 96 Resp: 3098
Ion Ratio Lower Upper
96 100
61 156.0 0.0 286.4
98 43.6 0.0 127.4

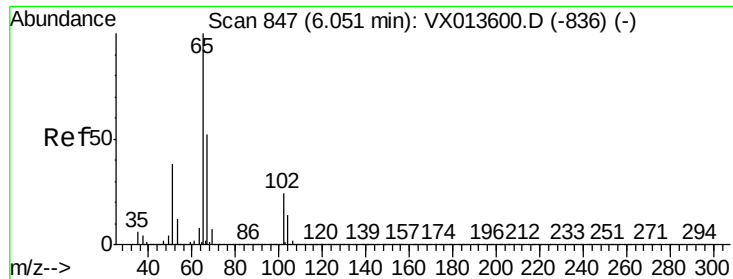


#28

Bromochloromethane
Concen: 0.202 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

Tgt Ion: 49 Resp: 899
Ion Ratio Lower Upper
49 100
129 30.0 0.0 5.0#
130 0.0 65.4 98.0#

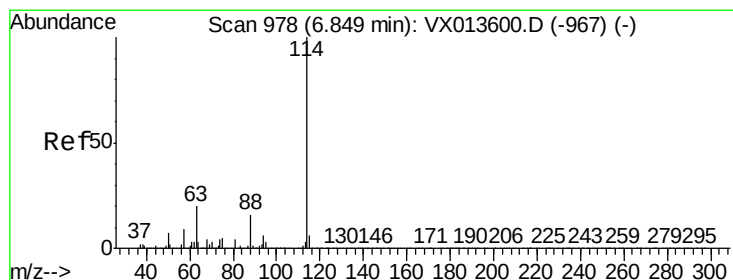
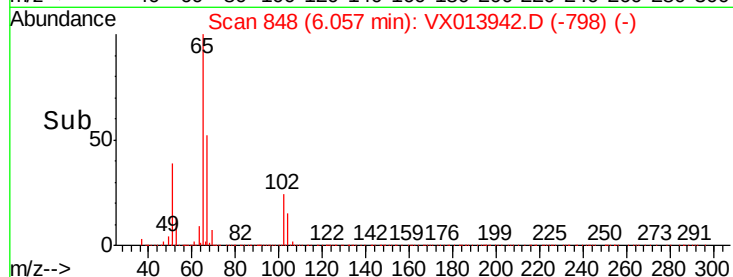
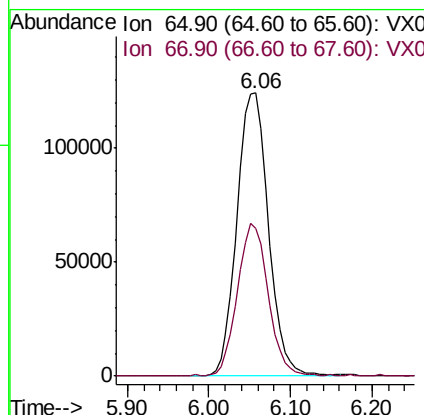
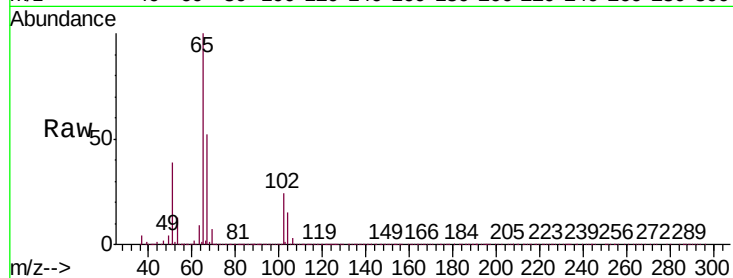




#33
 1,2-Dichloroethane-d4
 Concen: 48.791 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013942.D
 Acq: 11 Dec 2019 14:21

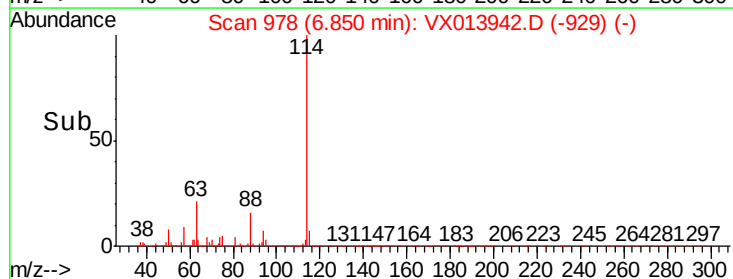
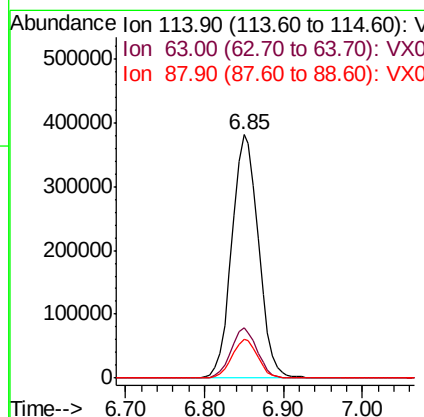
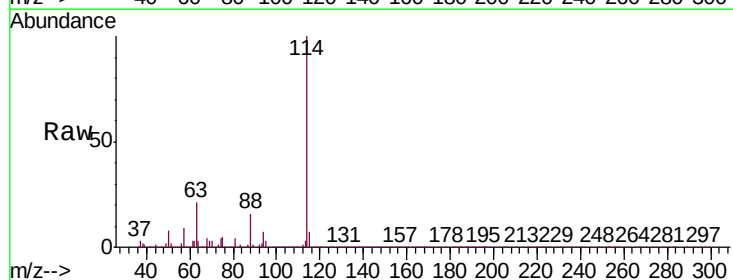
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20191205DL

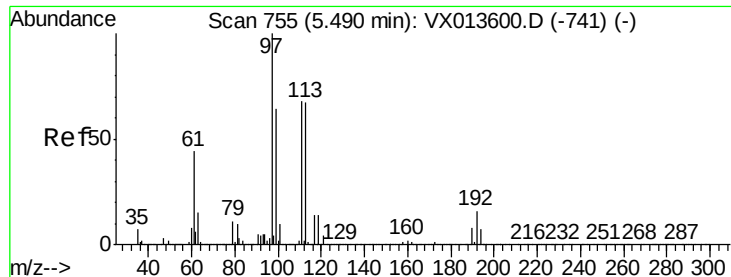
Tgt Ion: 65 Resp: 330436
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013942.D
 Acq: 11 Dec 2019 14:21

Tgt Ion: 114 Resp: 895774
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.236 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20191205DL

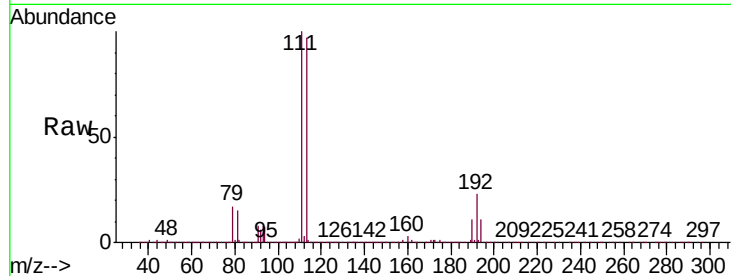
Tgt Ion: 113 Resp: 267120

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

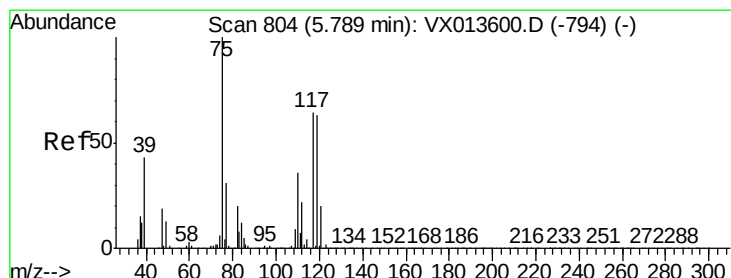
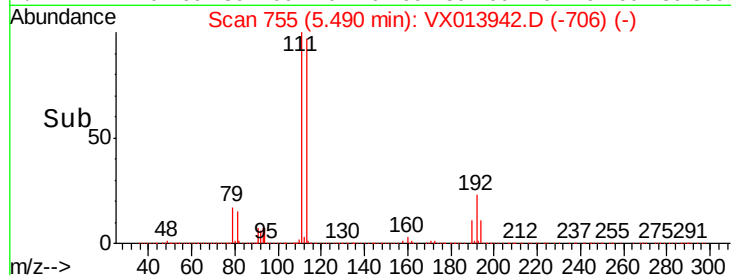
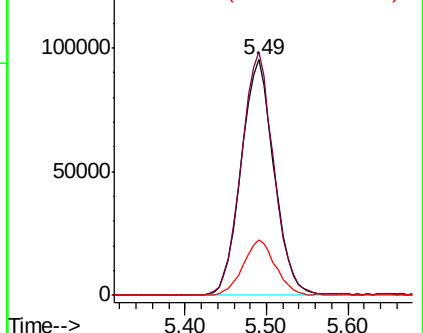
192 23.2 19.2 28.8



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: 4.878 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

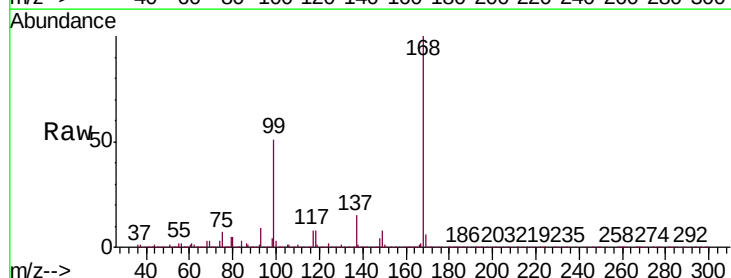
Tgt Ion: 75 Resp: 39668

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

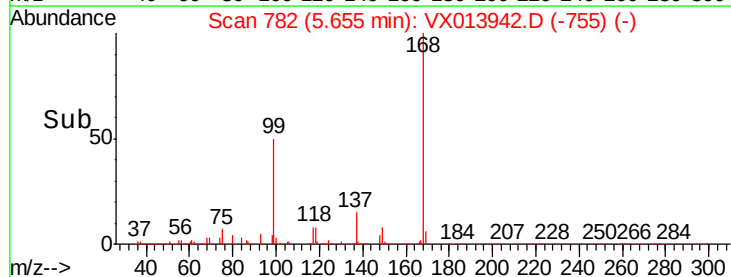
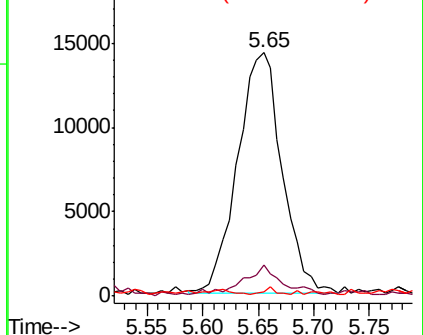
77 0.8 24.5 36.7#

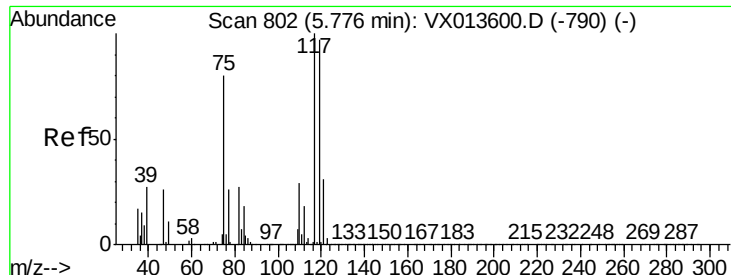


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20191205DL

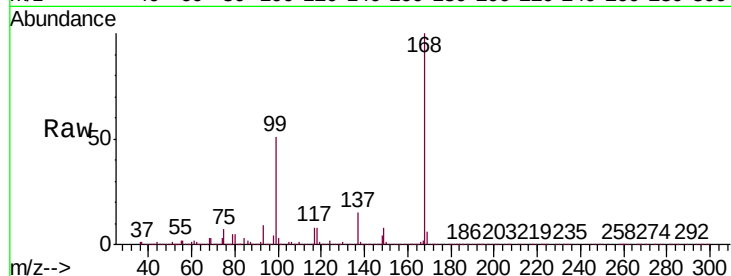
Tgt Ion:117 Resp: 50648

Ion Ratio Lower Upper

117 100

119 6.0 77.5 116.3#

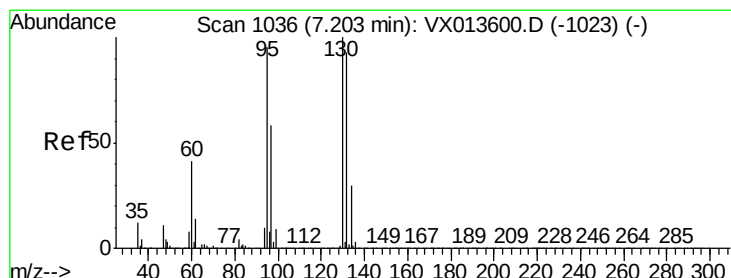
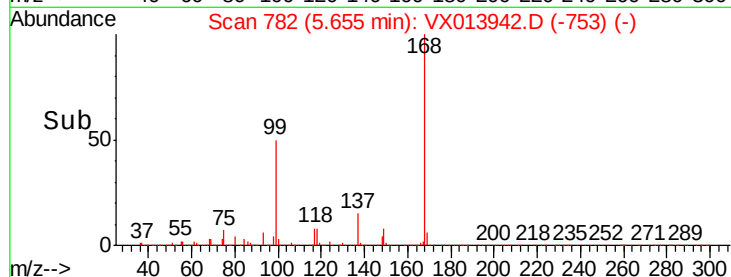
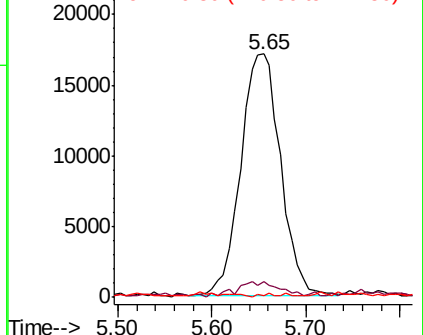
121 0.0 25.0 37.6#



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: 32.846 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013942.D

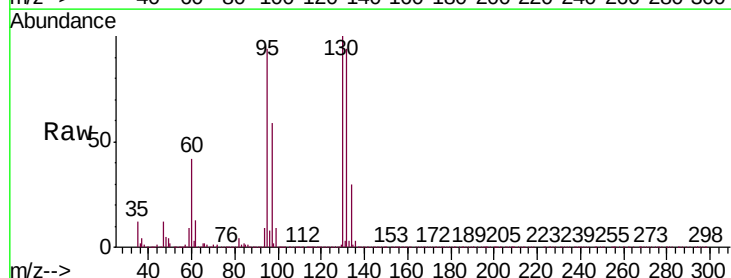
Acq: 11 Dec 2019 14:21

Tgt Ion:130 Resp: 223251

Ion Ratio Lower Upper

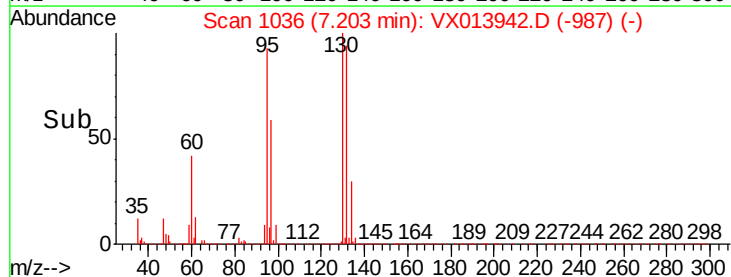
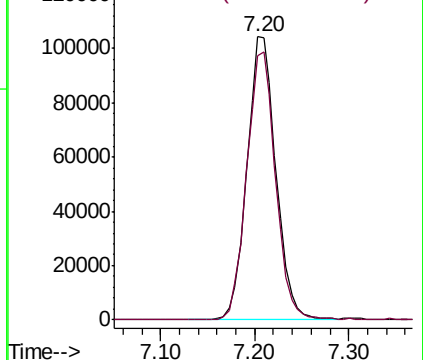
130 100

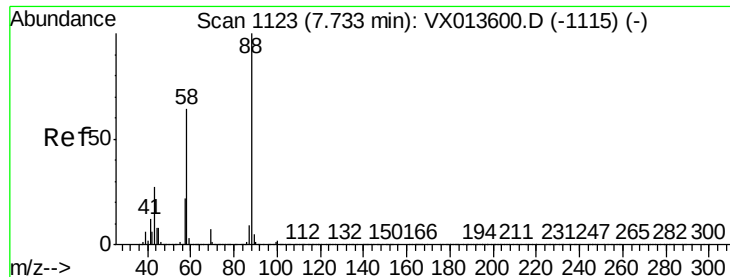
95 93.3 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.578 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20191205DL

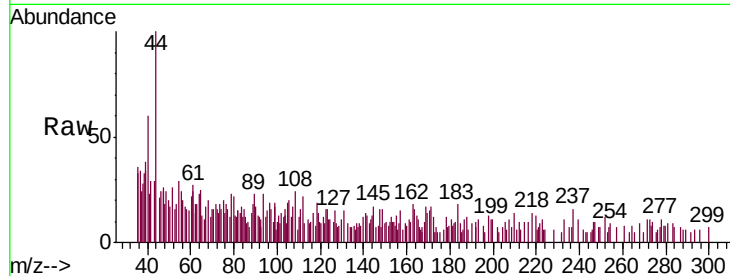
Tgt Ion: 88 Resp: 421

Ion Ratio Lower Upper

88 100

43 24.0 25.8 38.6#

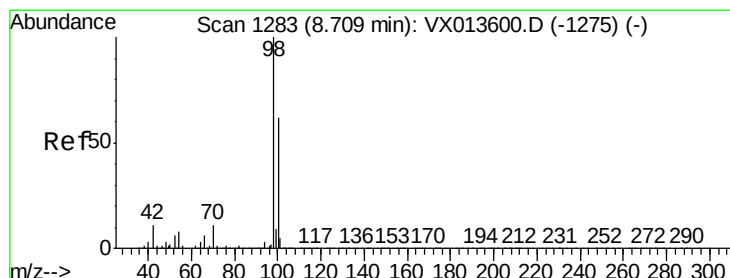
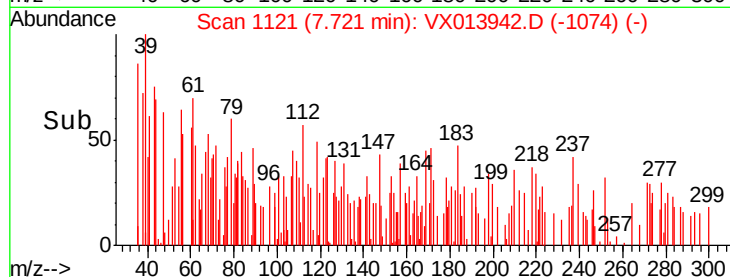
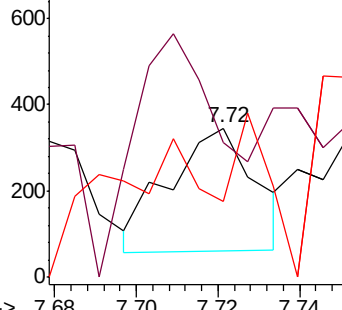
58 0.0 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.366 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013942.D

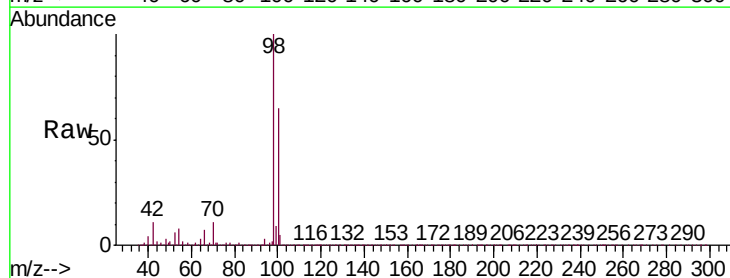
Acq: 11 Dec 2019 14:21

Tgt Ion: 98 Resp: 1065117

Ion Ratio Lower Upper

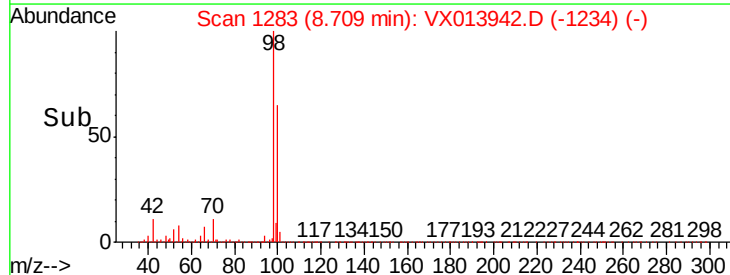
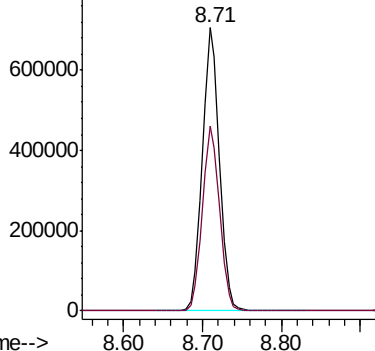
98 100

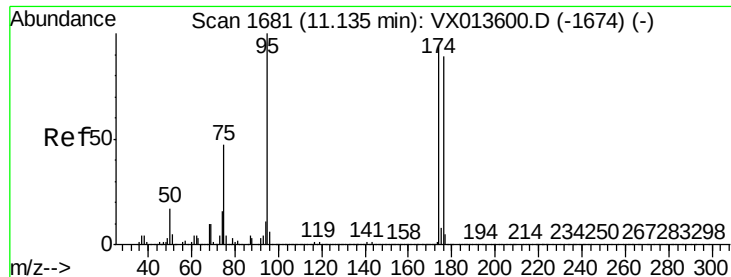
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.176 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20191205DL

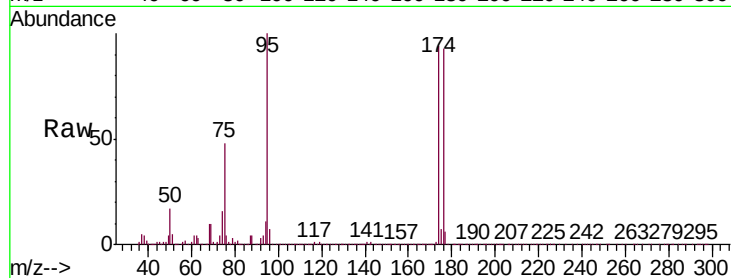
Tgt Ion: 95 Resp: 351482

Ion Ratio Lower Upper

95 100

174 88.1 0.0 180.0

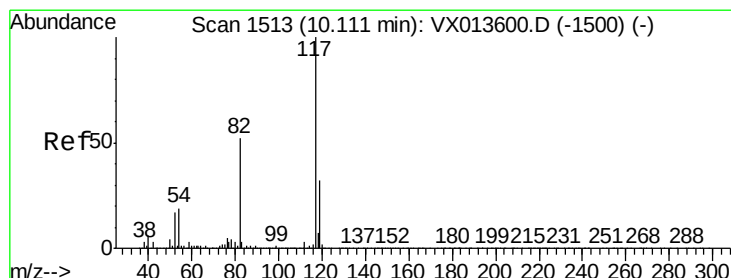
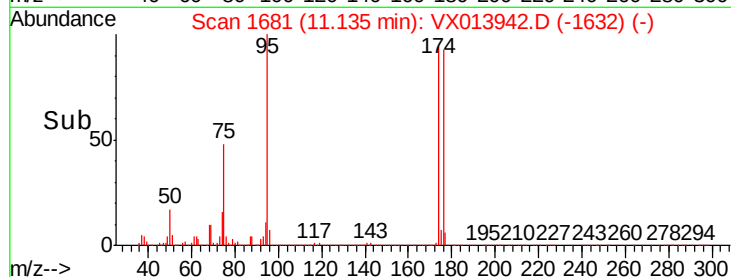
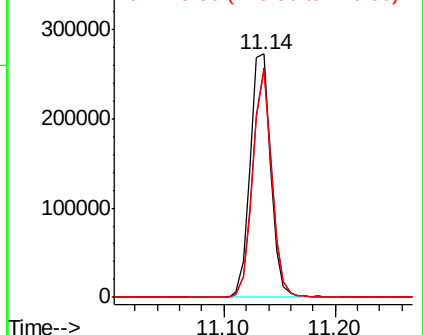
176 85.9 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

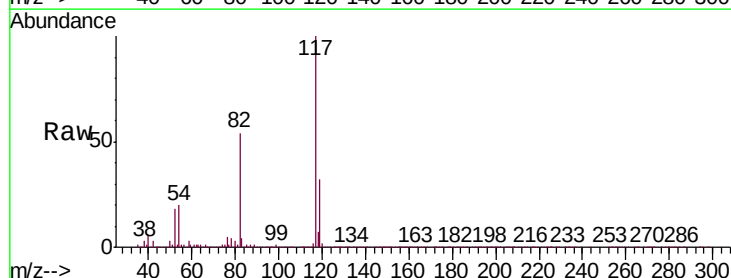
Tgt Ion: 117 Resp: 795147

Ion Ratio Lower Upper

117 100

82 53.6 41.8 62.8

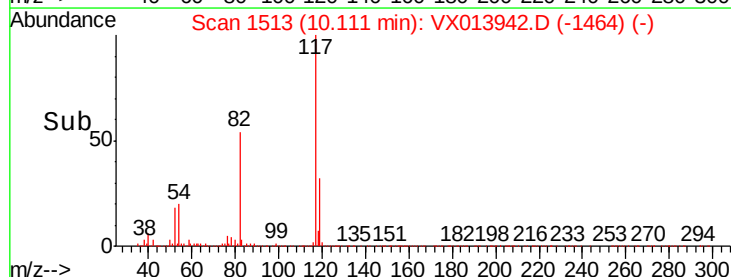
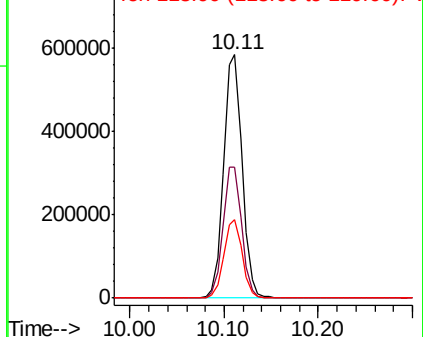
119 32.5 25.8 38.8

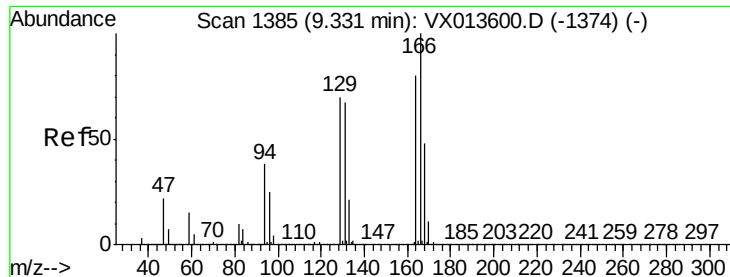


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

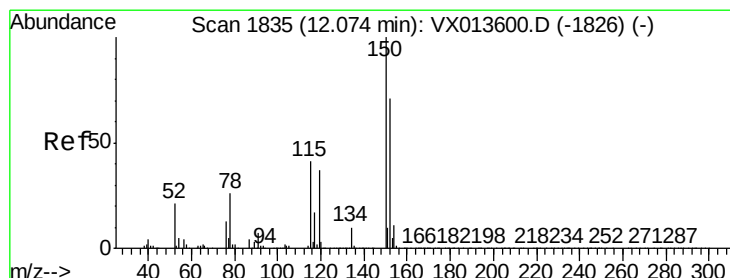
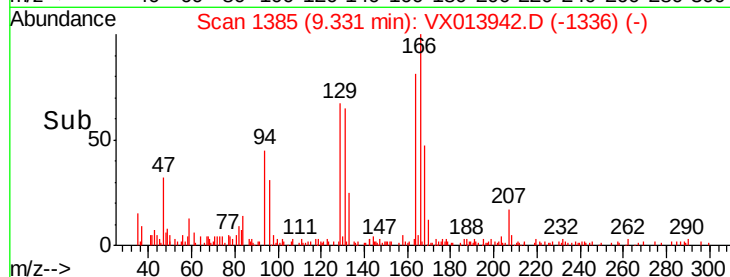
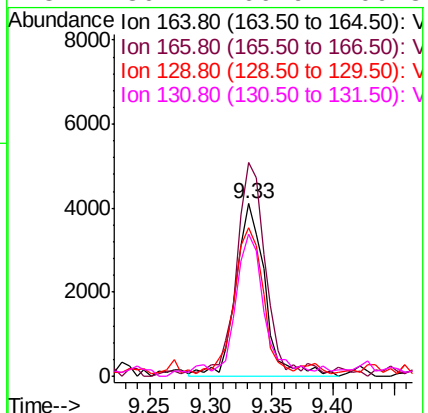
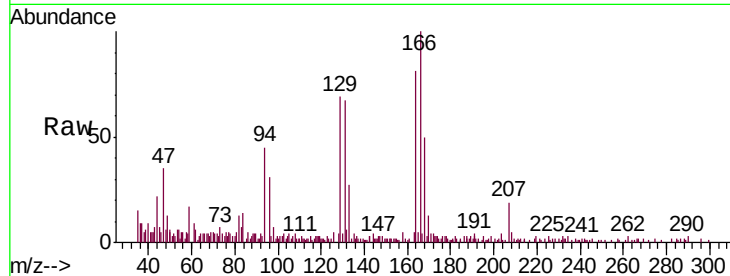




#64
Tetrachloroethene
Concen: 1.149 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

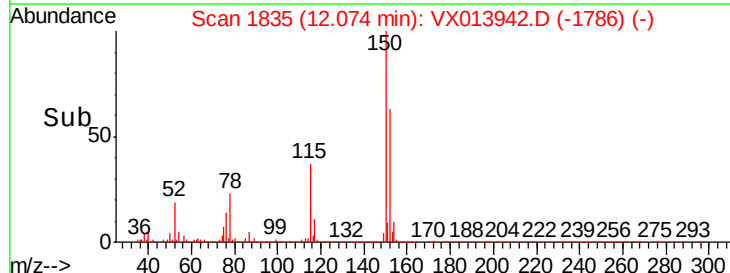
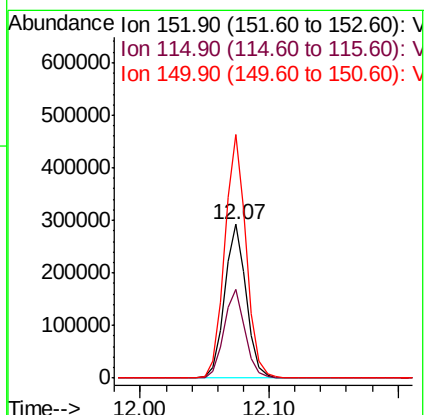
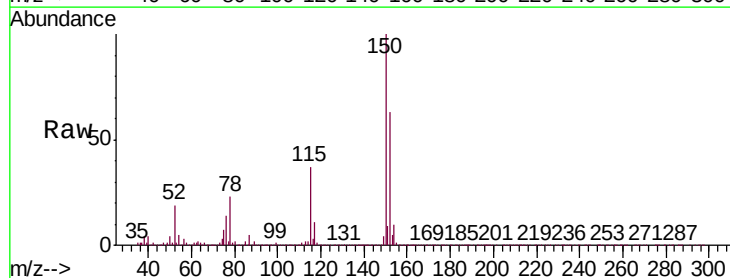
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20191205DL

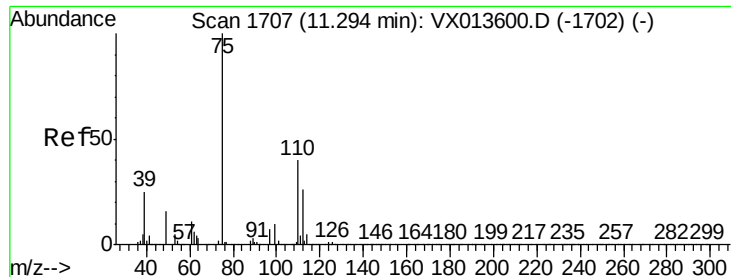
Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	99.7	149.5
129	83.6	70.1	105.1
131	80.4	66.9	100.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013942.D
Acq: 11 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	38.4	115.1
150	157.9	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 22.355 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

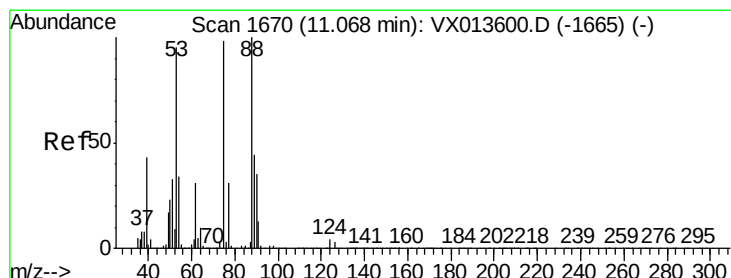
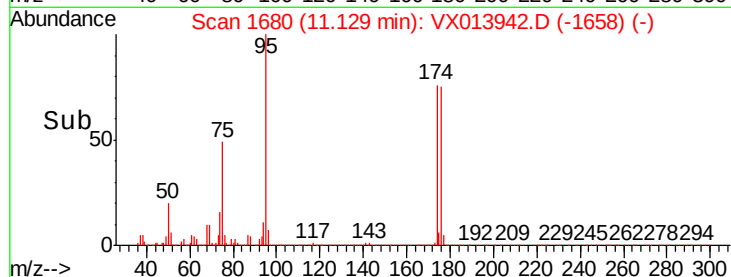
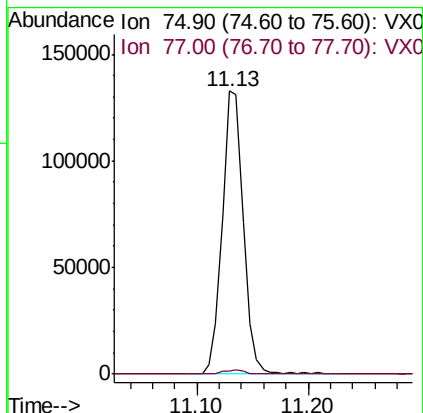
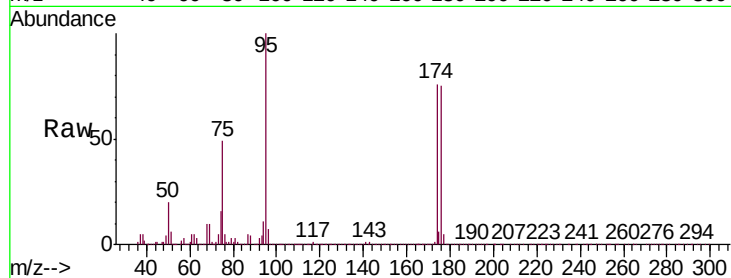
RE125D3-20191205DL

Tgt Ion: 75 Resp: 172627

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.160 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013942.D

Acq: 11 Dec 2019 14:21

Tgt Ion: 75 Resp: 172627

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.1 35.4 53.2#

