

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013864.D
 Acq On : 09 Dec 2019 20:27
 Operator : JC/SP
 Sample : K6185-12DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20191205DL

Quant Time: Dec 12 08:13:23 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	595186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	902690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	795835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	339363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	331916	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	5.49	113	272269	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	1076017	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.14	95	347623	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds

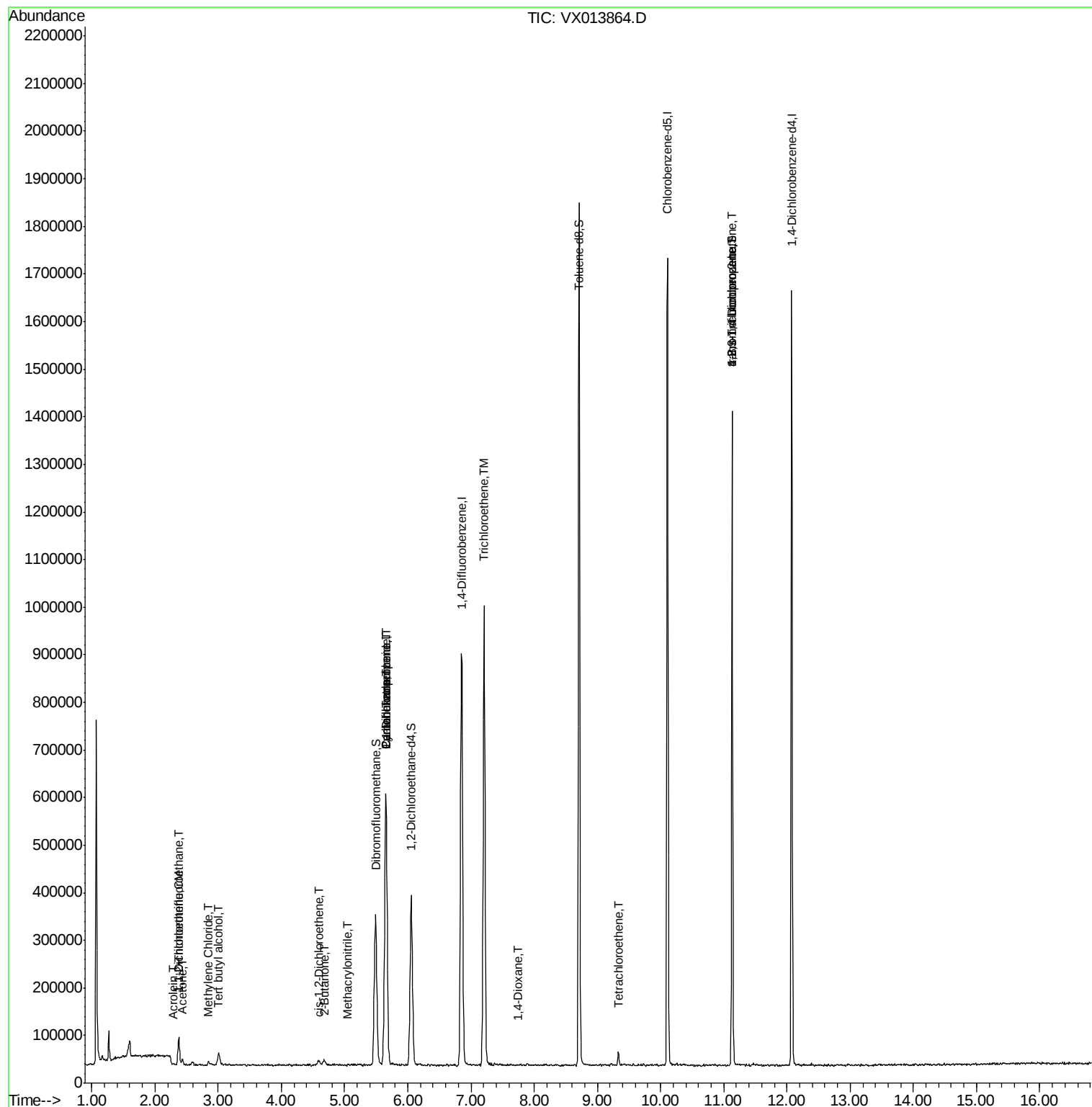
						Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21203	3.736	ug/l	98
11) Tert butyl alcohol	3.01	59	18225	10.687	ug/l #	74
12) 1,1-Dichloroethene	2.37	96	4976	0.879	ug/l	79
13) Acrolein	2.28	56	311	6.270	ug/l #	15
16) Acetone	2.43	43	10456	3.065	ug/l #	86
20) Methylene Chloride	2.85	84	4339	0.662	ug/l #	82
25) 2-Butanone	4.69	43	2211	0.436	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	6031	0.851	ug/l	90
31) Cyclohexane	5.65	56	11771	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	39642	4.838	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50791	6.722	ug/l #	15
41) Methacrylonitrile	5.06	41	1131	0.224	ug/l #	58
44) Trichloroethene	7.21	130	380250	55.517	ug/l	97
49) 1,4-Dioxane	7.75	88	248	1.507	ug/l #	1
64) Tetrachloroethene	9.33	164	5594	0.943	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	167645	21.964	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	167645	60.088	ug/l #	11

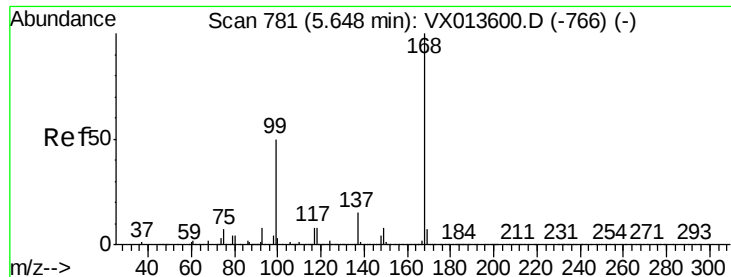
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120919\
Data File : VX013864.D
Acq On : 09 Dec 2019 20:27
Operator : JC/SP
Sample : K6185-12DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

Quant Time: Dec 12 08:13:23 2019
Quant Method : Z:\V0ASRV\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: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

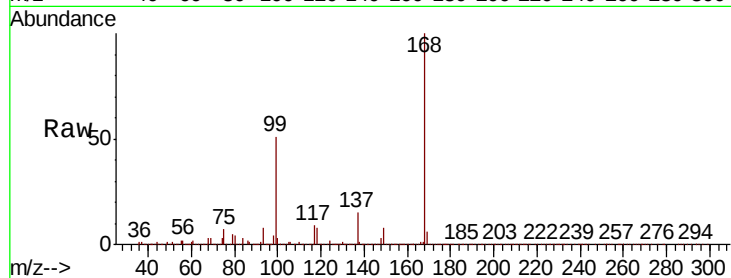
RE125D2-20191205DL

Tot Ion:168 Resp: 595186

Ion Ratio Lower Upper

168 100

99 51.2 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

250000

200000

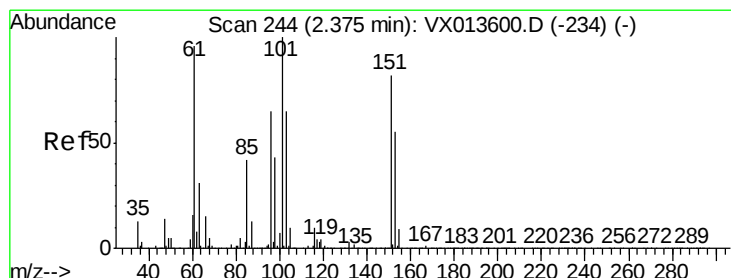
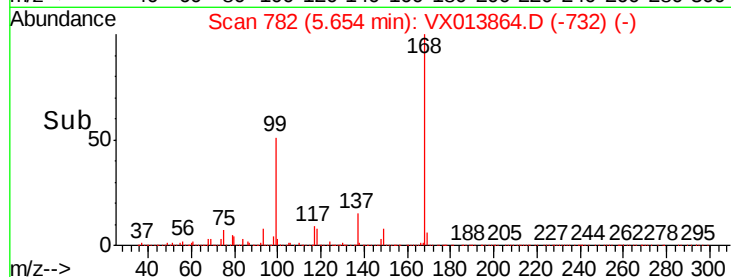
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.736 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

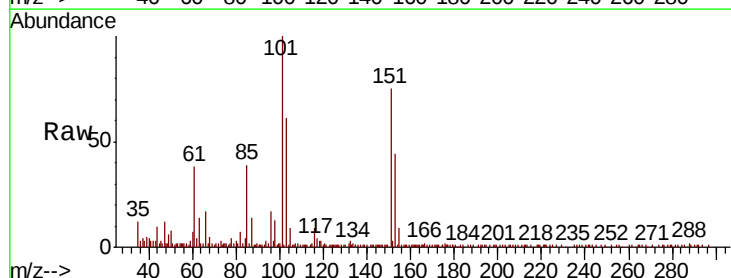
Tgt Ion:101 Resp: 21203

Ion Ratio Lower Upper

101 100

85 39.1 33.9 50.9

151 80.4 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.37

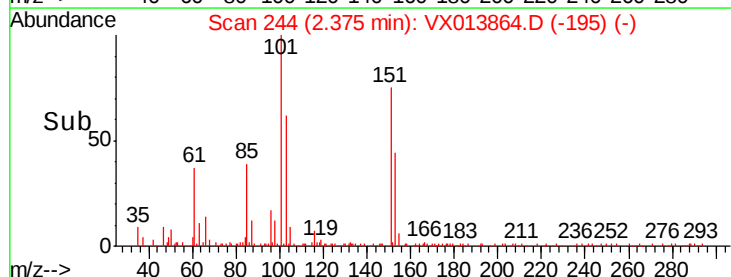
15000

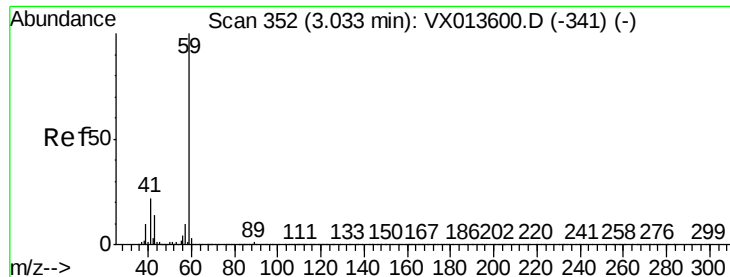
10000

5000

0

Time-->

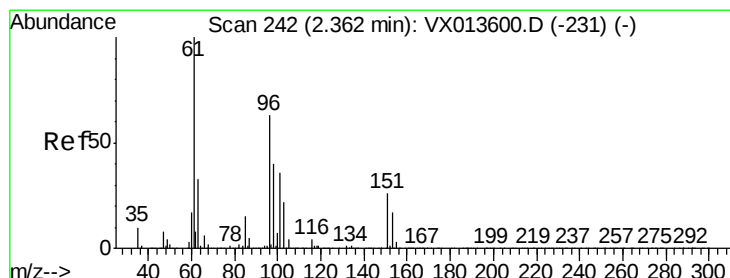
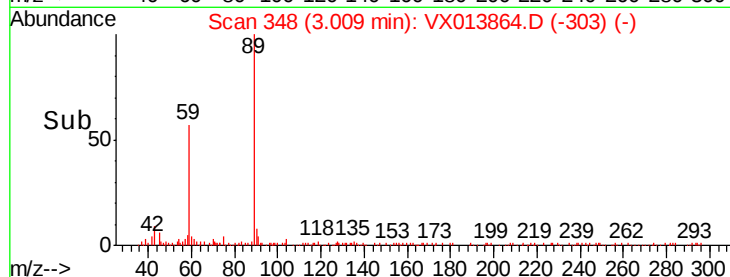
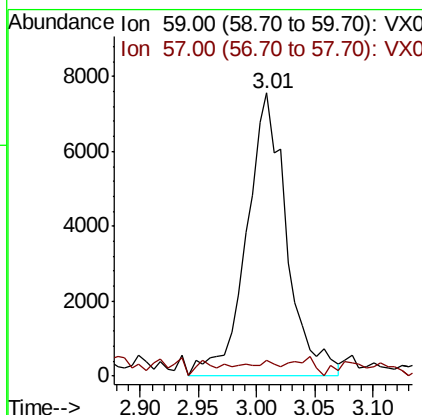
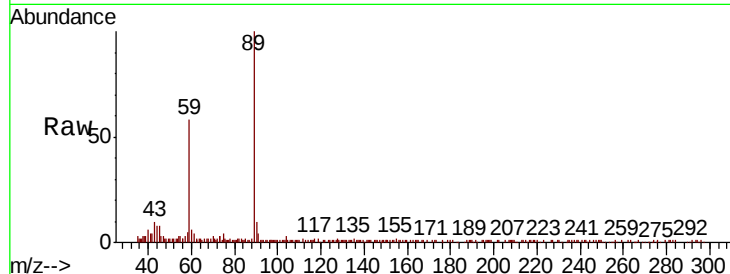




#11
Tert butyl alcohol
Concen: 10.687 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

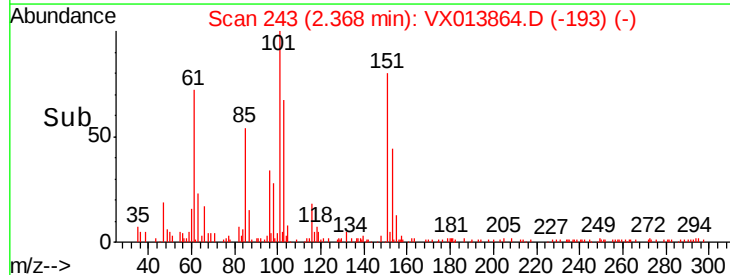
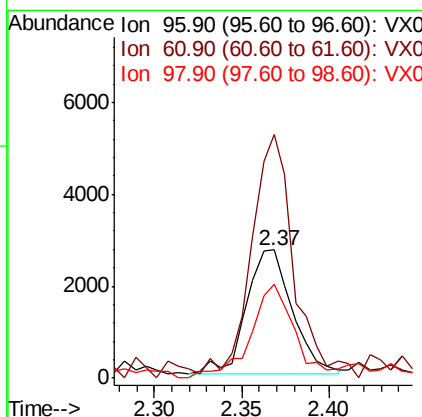
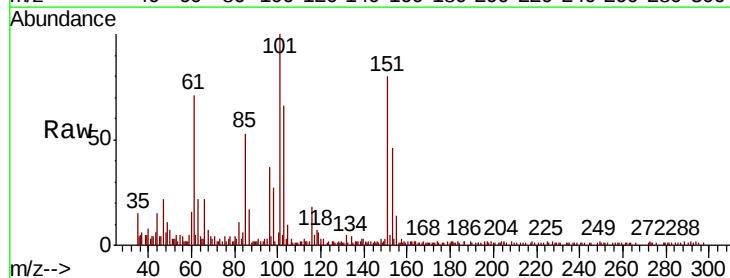
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

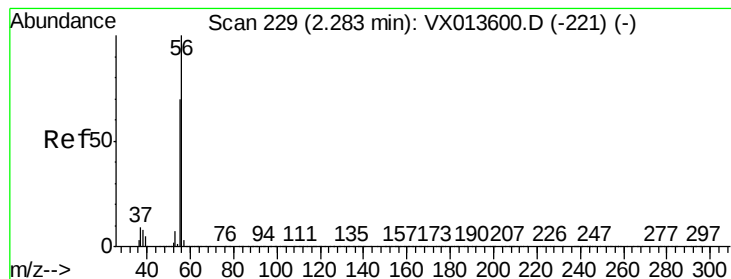
Tot Ion: 59 Resp: 18225
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 0.879 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion: 96 Resp: 4976
Ion Ratio Lower Upper
96 100
61 188.2 126.6 190.0
98 76.0 50.6 76.0





#13

Acrolein

Concen: 6.270 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

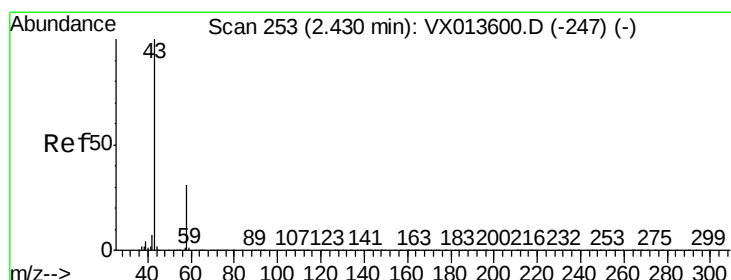
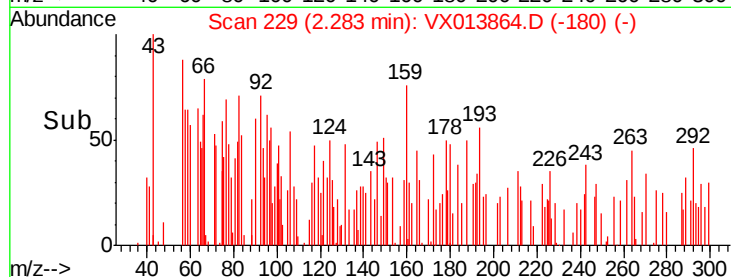
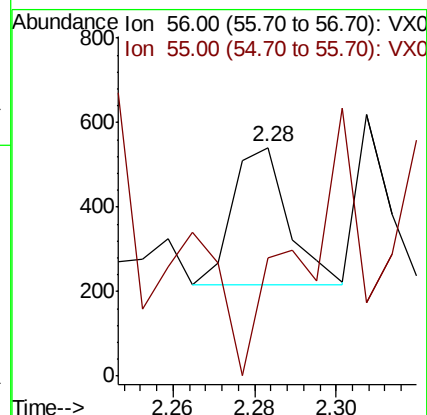
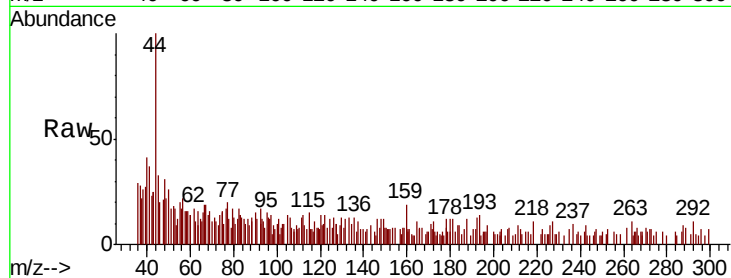
RE125D2-20191205DL

Tot Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 3.065 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013864.D

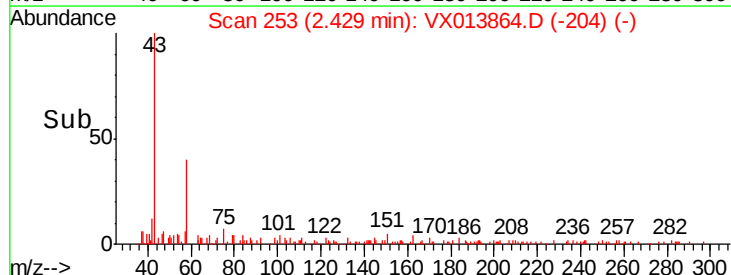
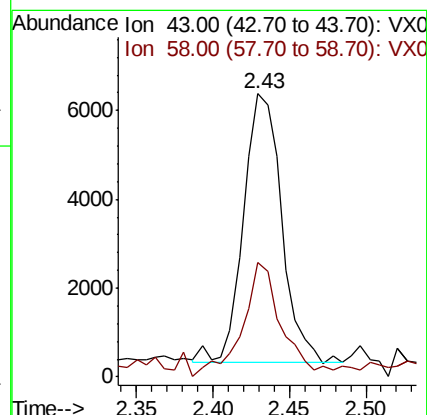
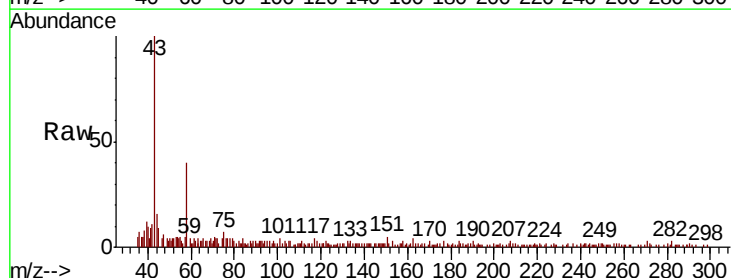
Acq: 09 Dec 2019 20:27

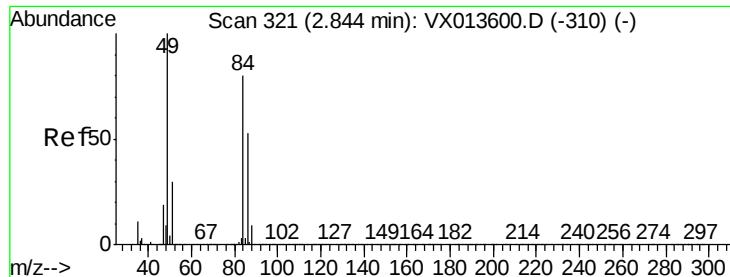
Tgt Ion: 43 Resp: 10456

Ion Ratio Lower Upper

43 100

58 38.6 24.6 36.8#

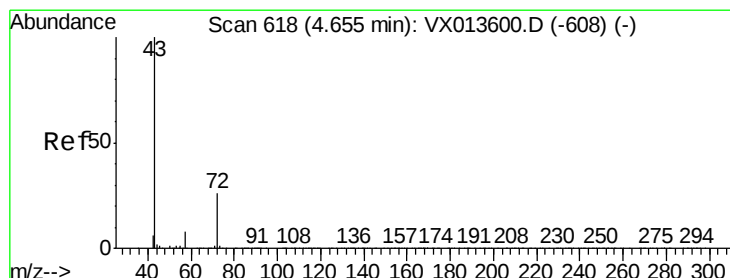
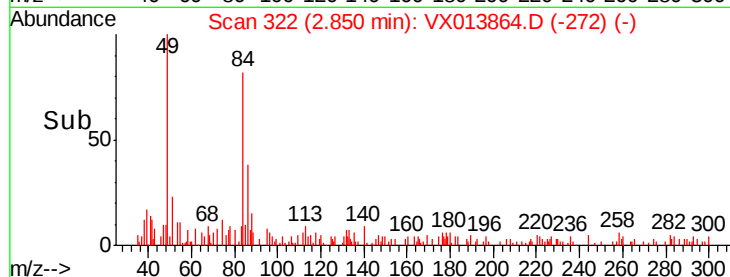
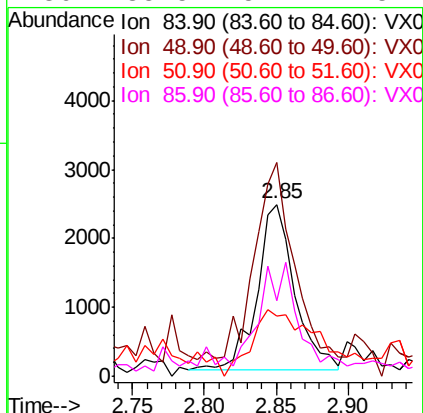
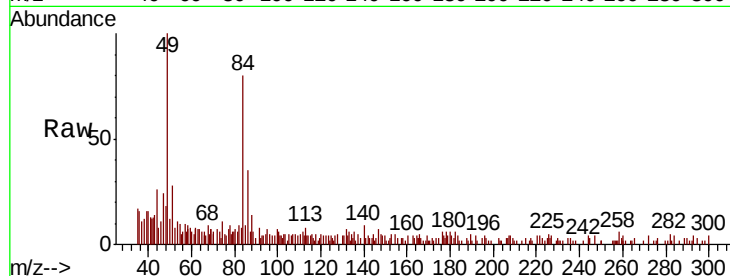




#20
Methvlene Chloride
Concen: 0.662 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

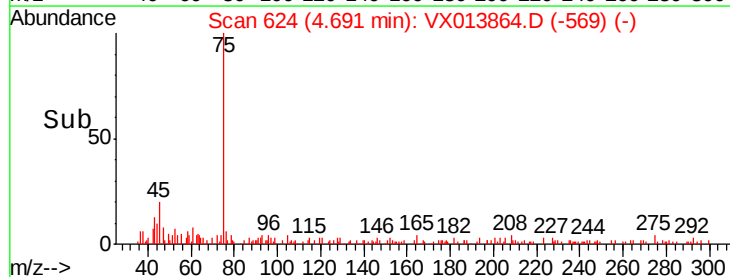
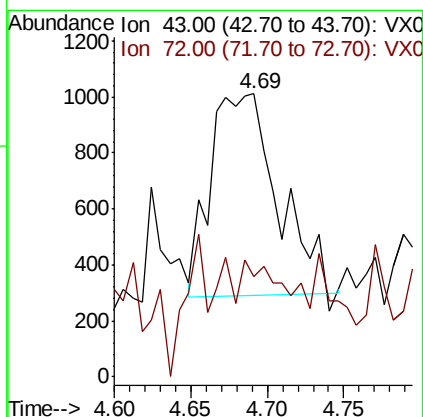
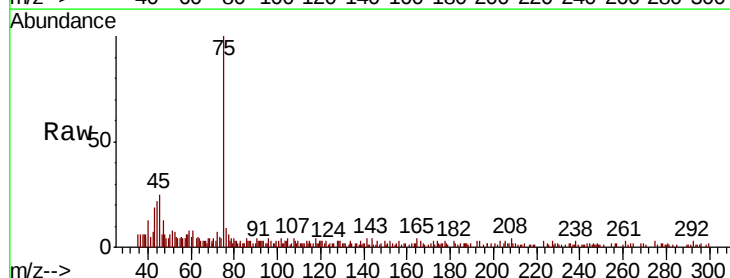
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

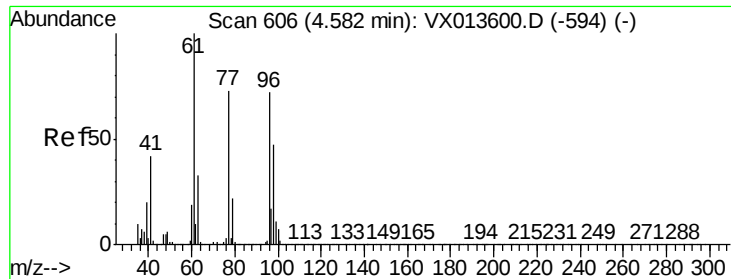
Tot Ion: 84 Resp: 4339
Ion Ratio Lower Upper
84 100
49 117.7 99.7 149.5
51 21.6 29.9 44.9#
86 35.5 52.2 78.4#



#25
2-Butanone
Concen: 0.436 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.04 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
72 12.9 20.6 31.0#



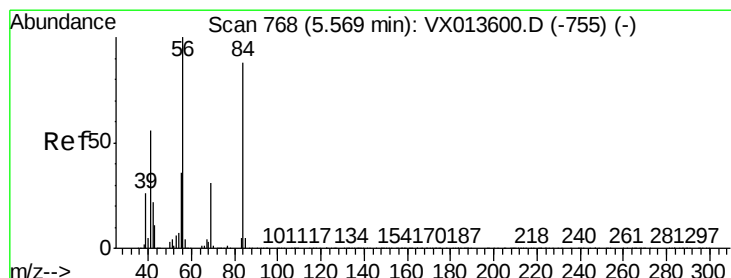
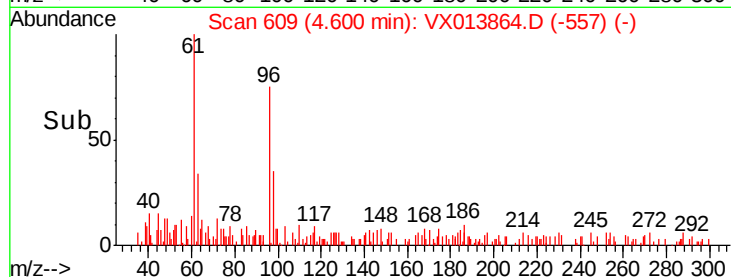
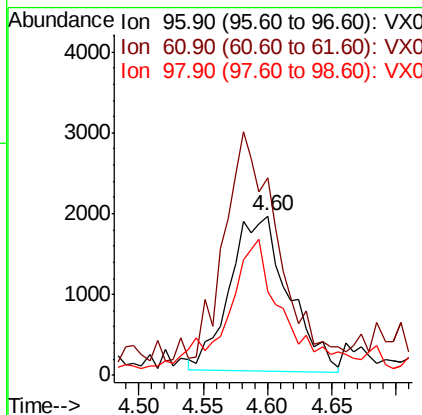
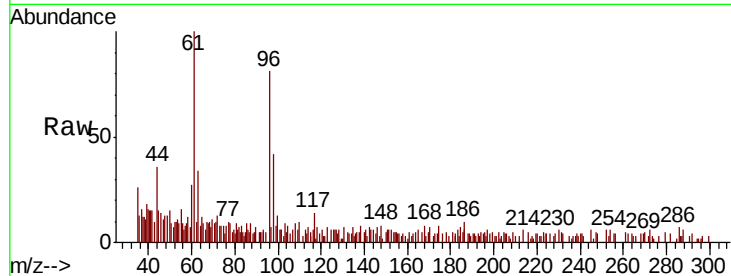


#27

cis-1,2-Dichloroethene
Concen: 0.851 ug/l
RT: 4.60 min Scan# 609
Delta R.T. 0.02 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

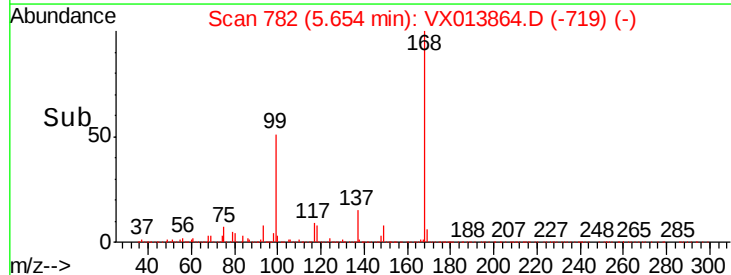
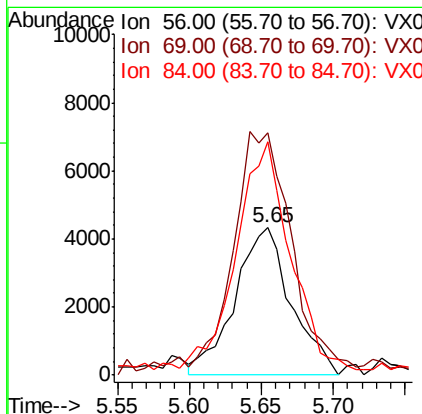
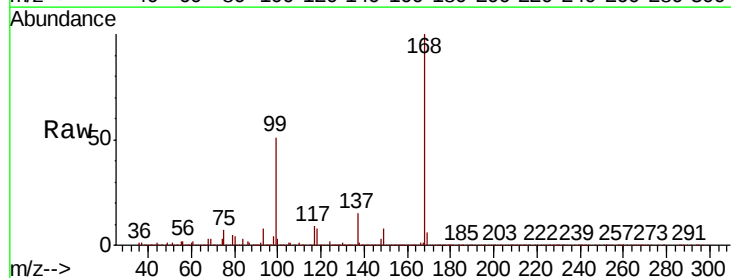
Tot Ion: 96 Resp: 6031
Ion Ratio Lower Upper
96 100
61 133.0 0.0 286.4
98 74.3 0.0 127.4

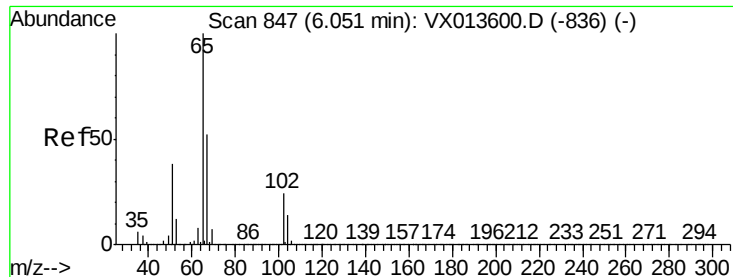


#31

Cyclohexane
Concen: 1.153 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion: 56 Resp: 11771
Ion Ratio Lower Upper
56 100
69 175.7 24.6 36.8#
84 162.7 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.043 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

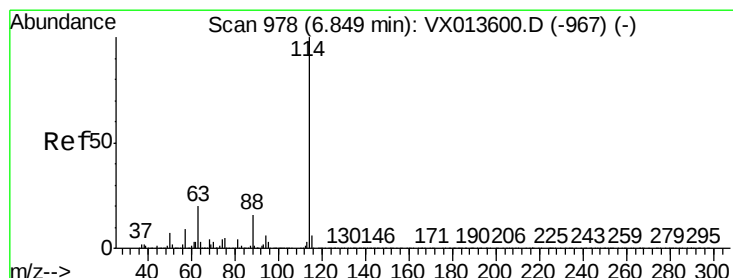
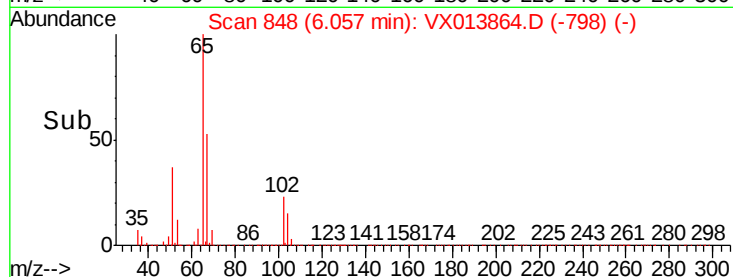
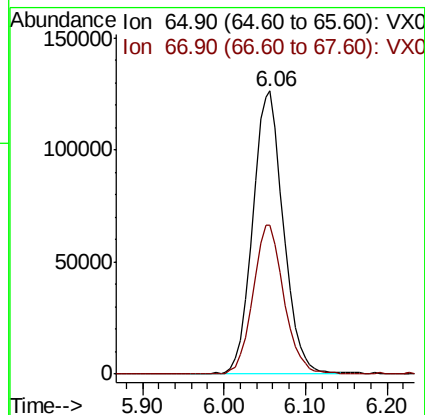
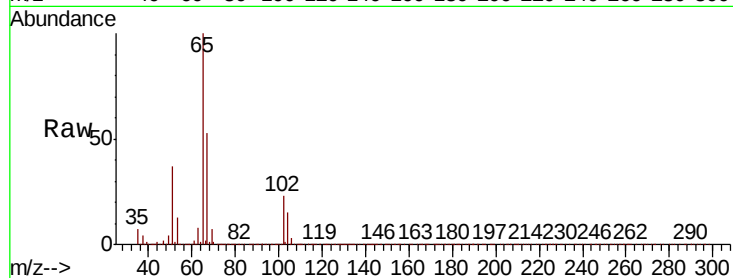
RE125D2-20191205DL

Tot Ion: 65 Resp: 331916

Ion Ratio Lower Upper

65 100

67 53.3 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: VX013864.D

Acq: 09 Dec 2019 20:27

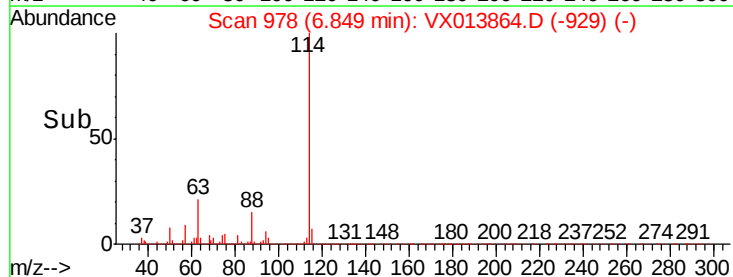
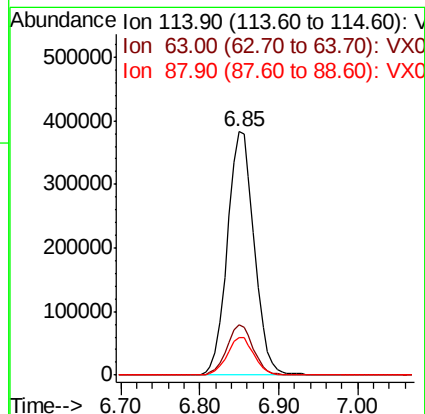
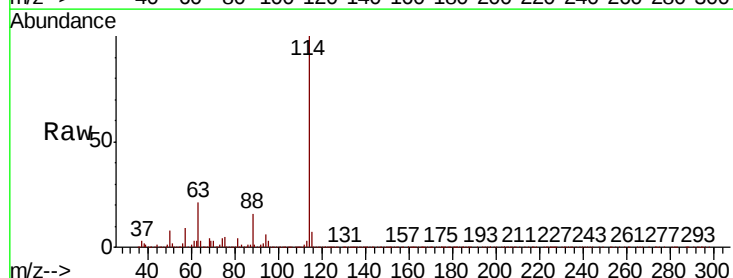
Tgt Ion: 114 Resp: 902690

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

88 15.4 0.0 31.4

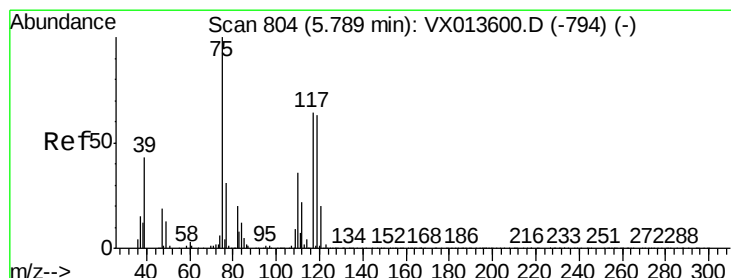
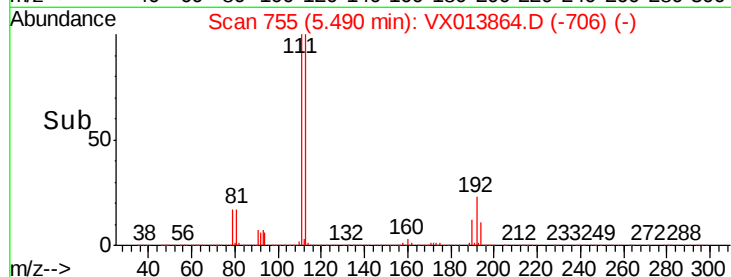
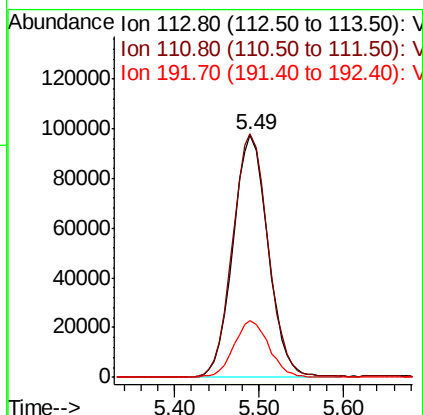
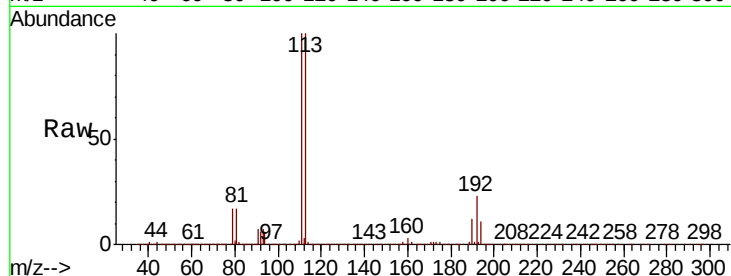




#35
 Dibromofluoromethane
 Concen: 48.789 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013864.D
 Acq: 09 Dec 2019 20:27

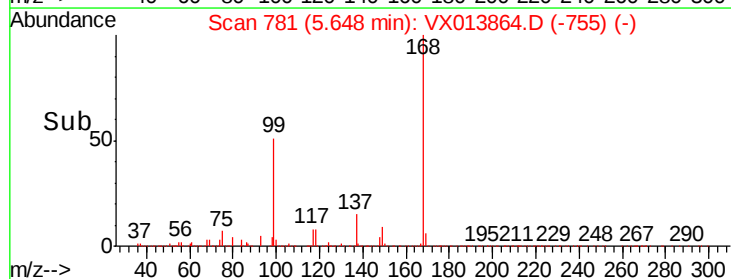
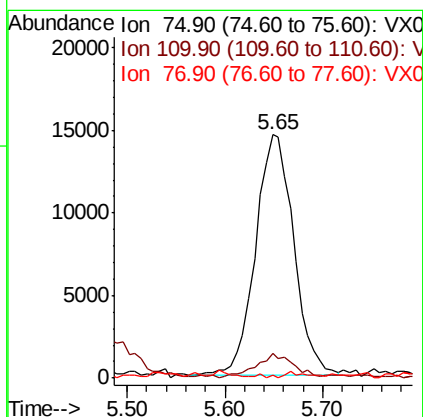
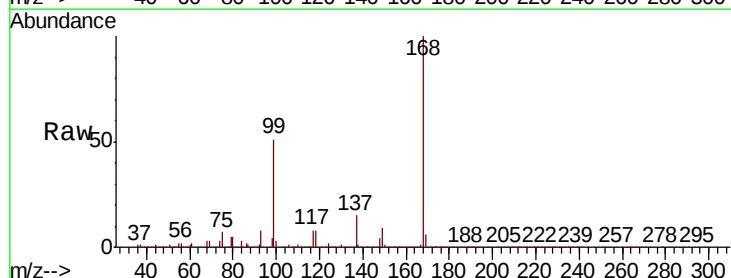
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20191205DL

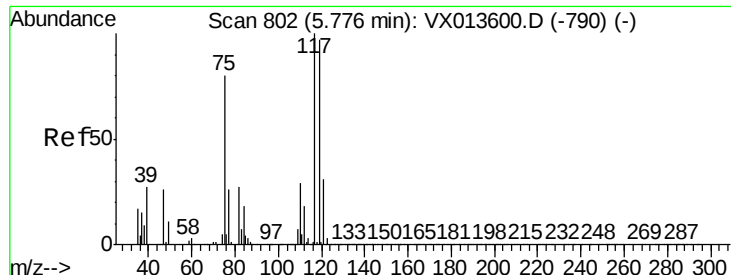
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.6	125.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013864.D
 Acq: 09 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.4	24.5	36.7#

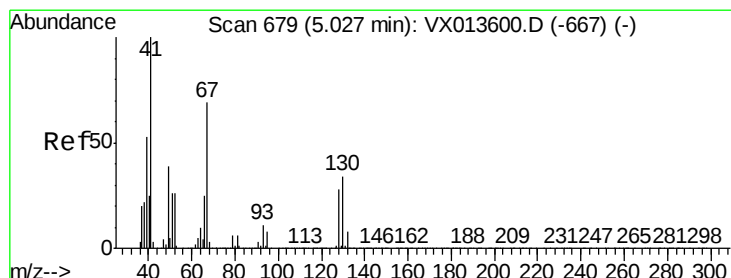
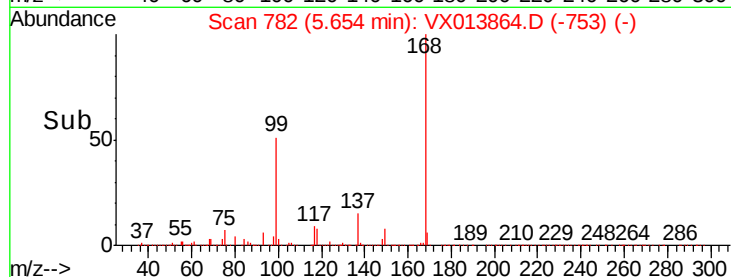
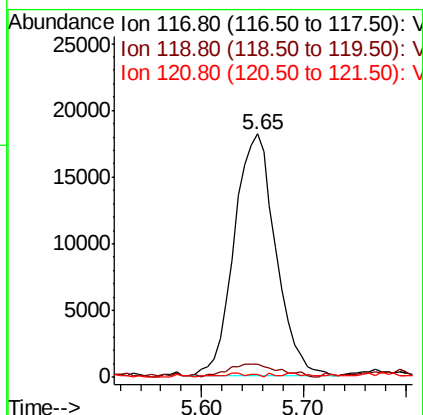
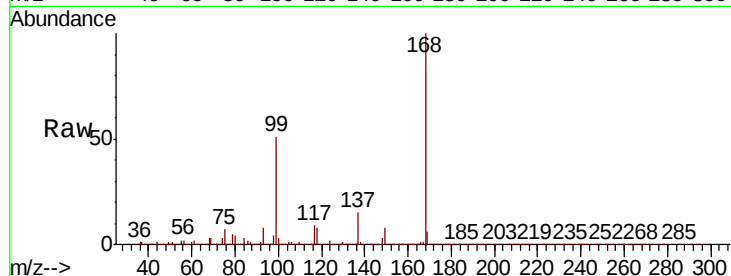




#38
Carbon Tetrachloride
Concen: 6.722 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

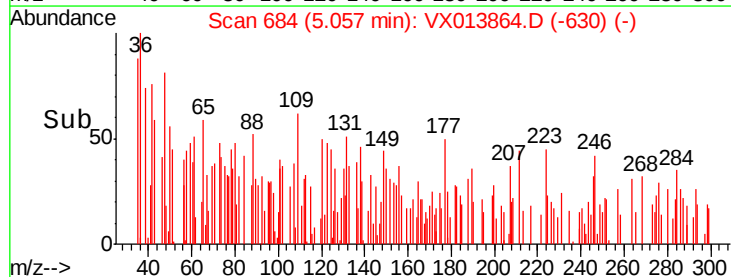
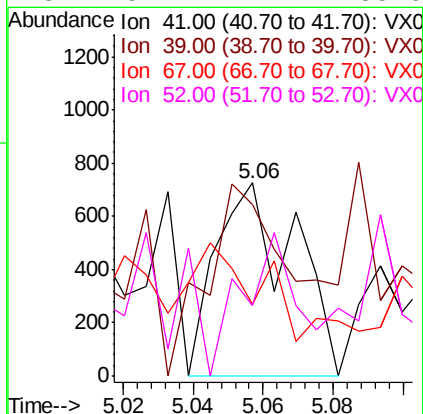
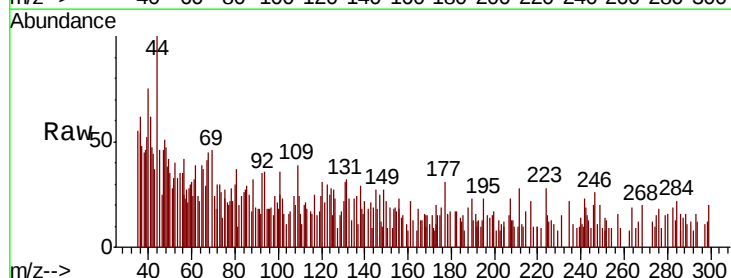
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

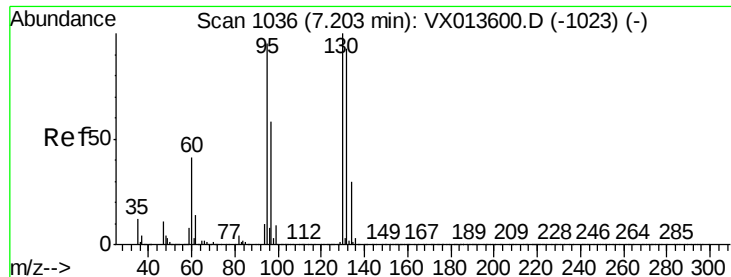
Tot Ion:117 Resp: 50791
Ion Ratio Lower Upper
117 100
119 4.7 77.5 116.3#
121 0.6 25.0 37.6#



#41
Methacrylonitrile
Concen: 0.224 ug/l
RT: 5.06 min Scan# 684
Delta R.T. 0.03 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion: 41 Resp: 1131
Ion Ratio Lower Upper
41 100
39 92.1 42.9 64.3#
67 45.3 57.4 86.0#
52 52.1 22.4 33.6#





#44

Trichloroethene

Concen: 55.517 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

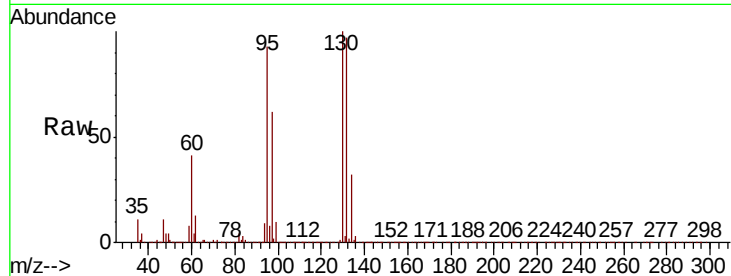
RE125D2-20191205DL

Tot Ion:130 Resp: 380250

Ion Ratio Lower Upper

130 100

95 92.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

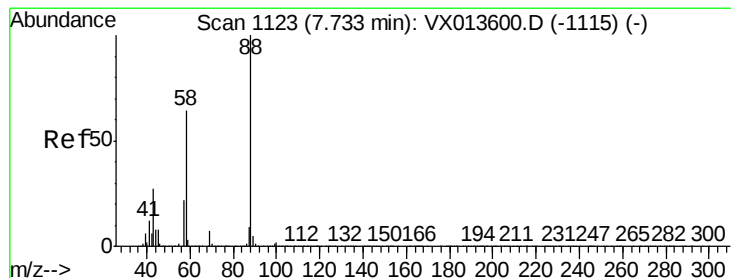
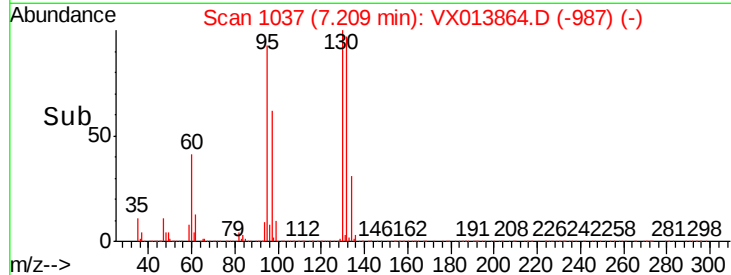
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 1.507 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

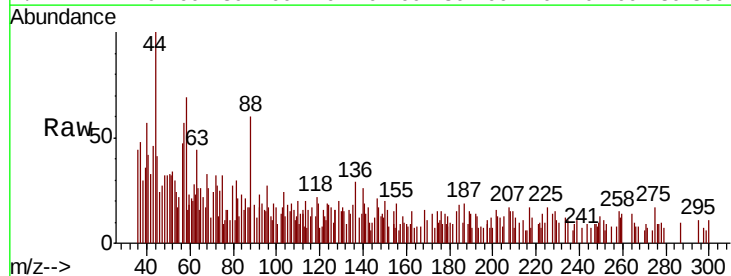
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 520.6 25.8 38.6#

58 609.7 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

800

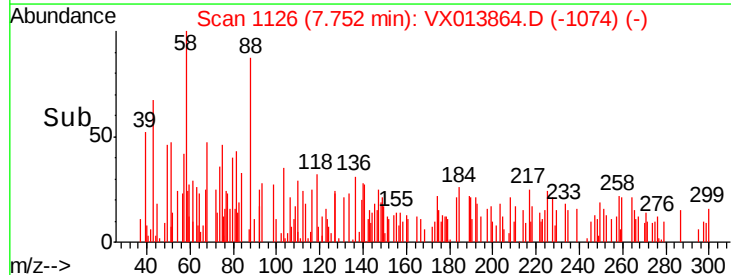
600

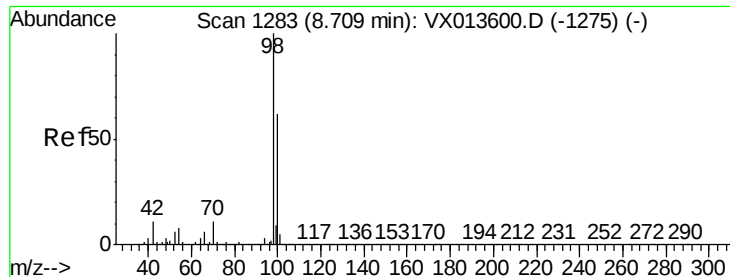
400

200

0

Time-->





#50

Toluene-d8

Concen: 49.489 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

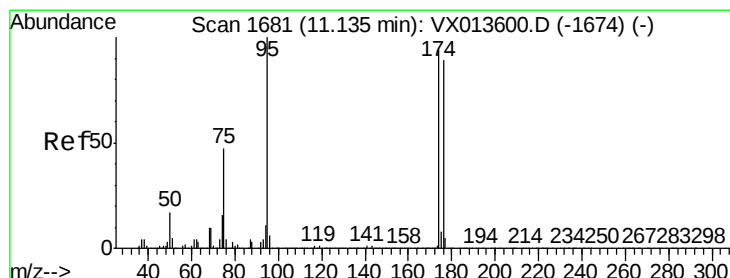
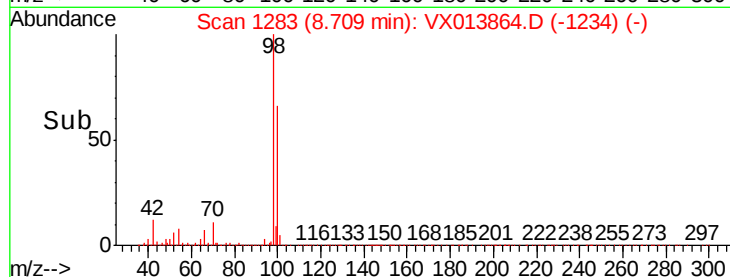
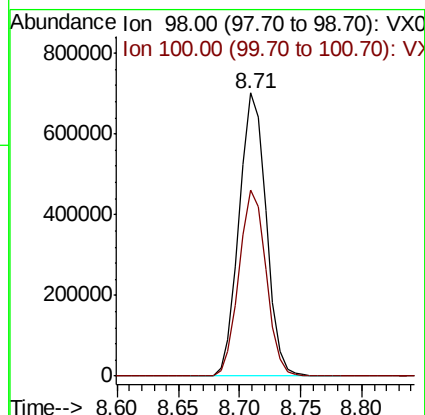
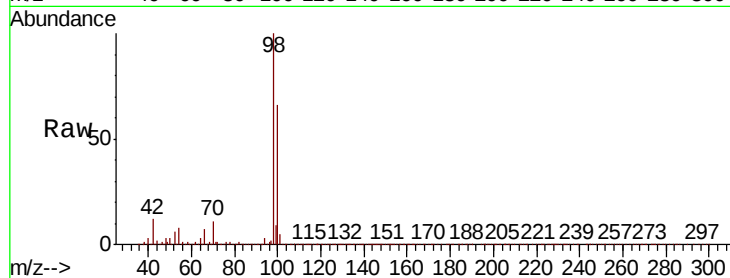
RE125D2-20191205DL

Tot Ion: 98 Resp: 1076017

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.338 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

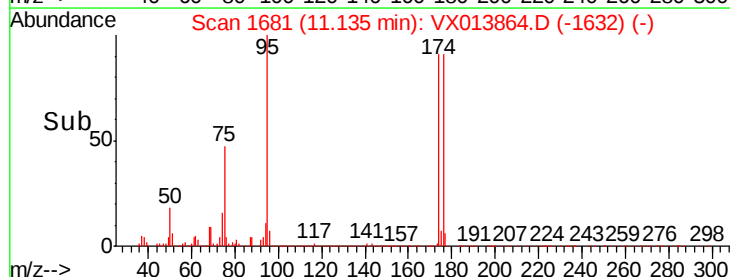
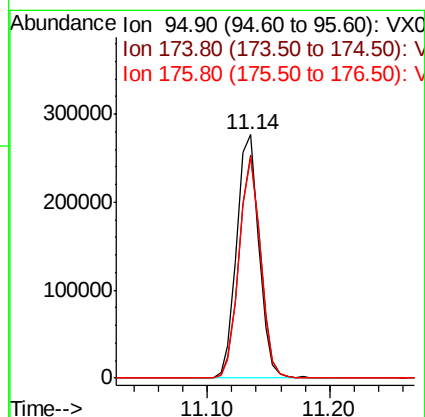
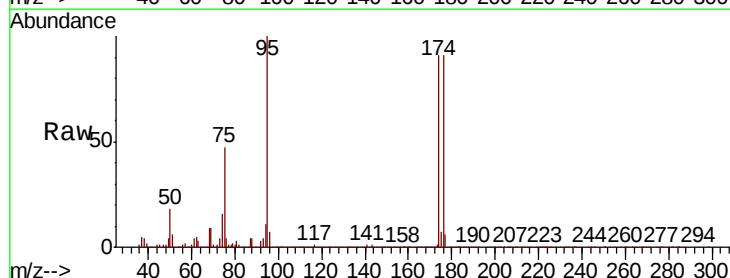
Tgt Ion: 95 Resp: 347623

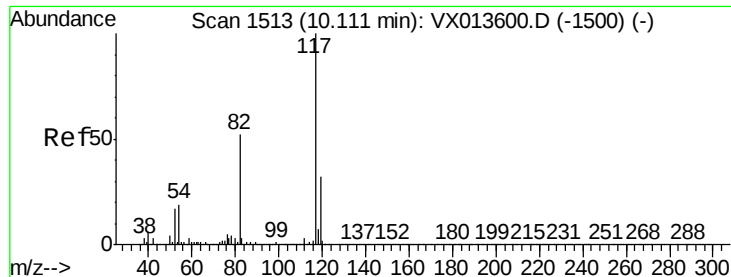
Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.0

176 87.5 0.0 173.6

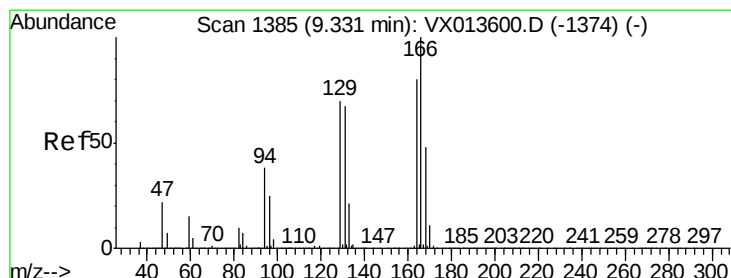
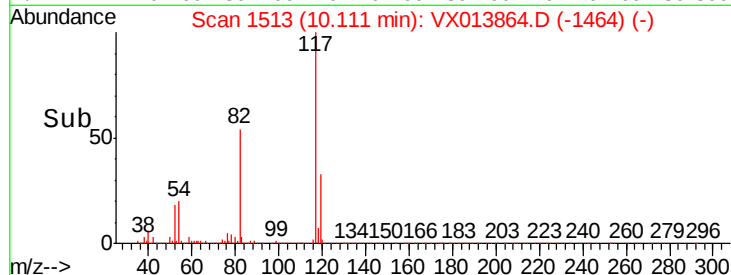
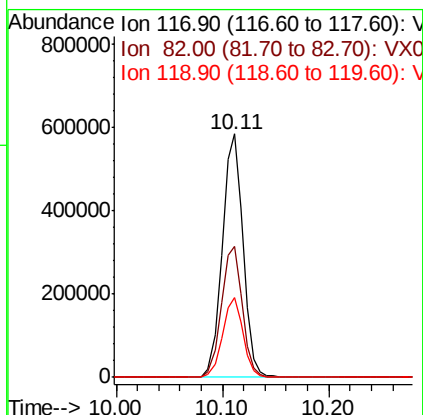
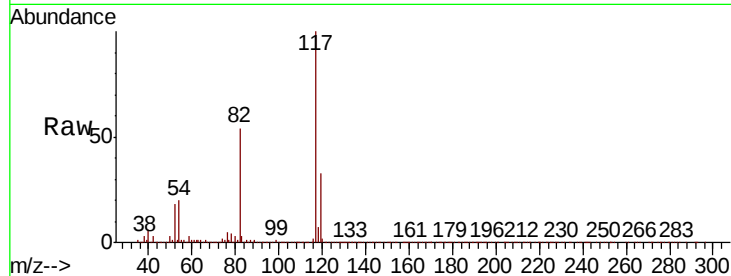




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

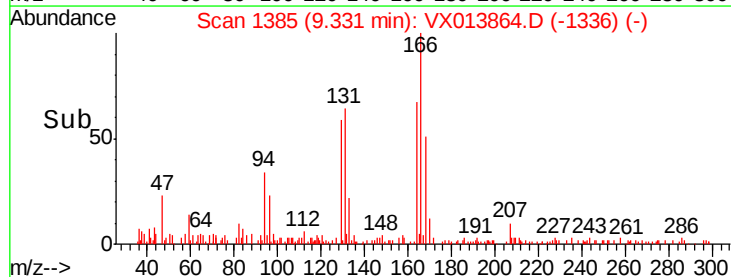
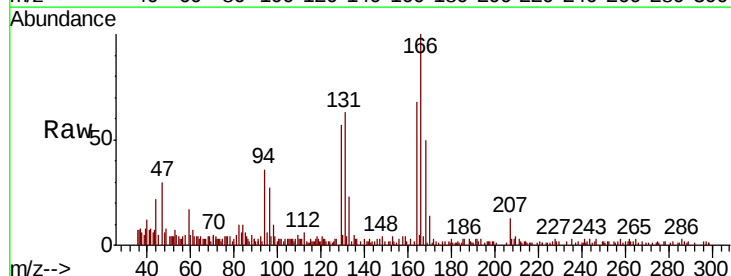
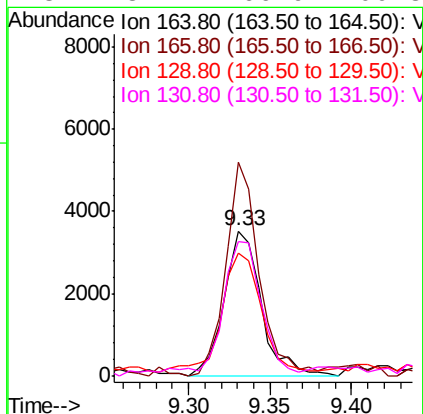
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

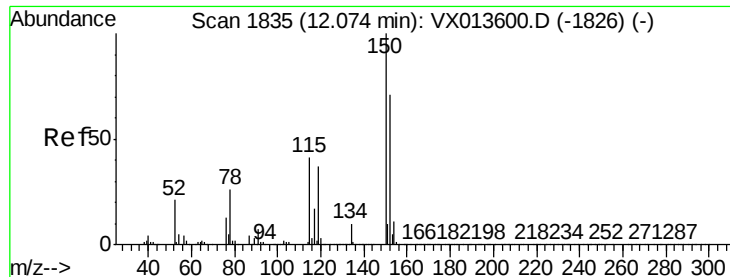
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.8	62.8
119	32.9	25.8	38.8



#64
Tetrachloroethene
Concen: 0.943 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	144.8	99.7	149.5
129	79.3	70.1	105.1
131	87.2	66.9	100.3



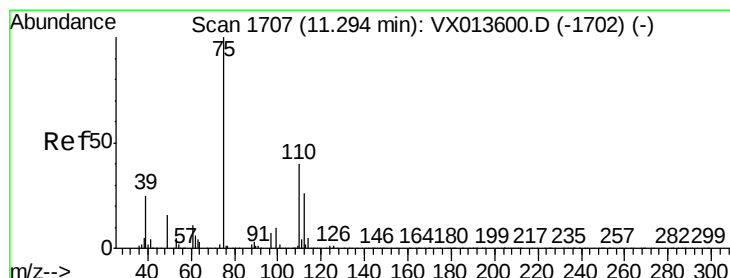
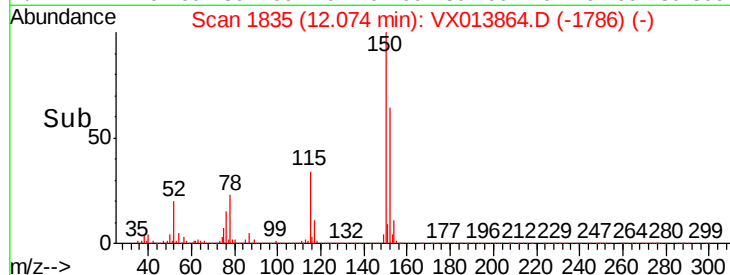
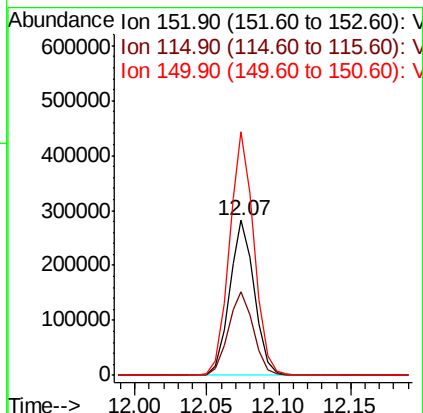
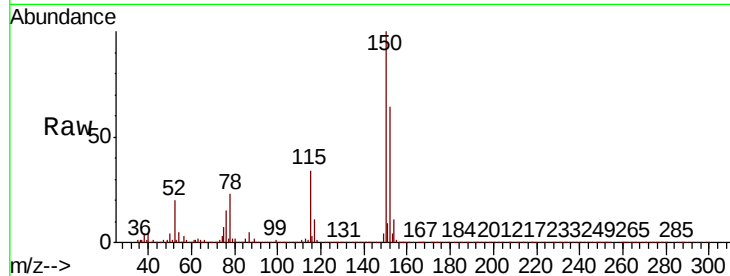


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

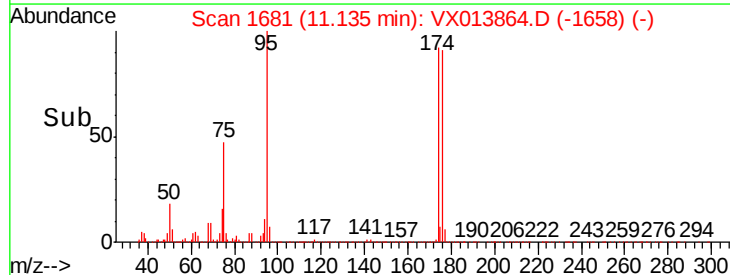
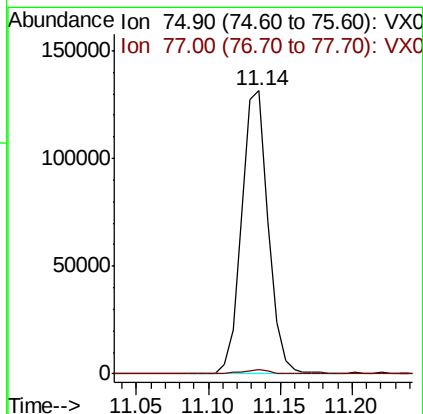
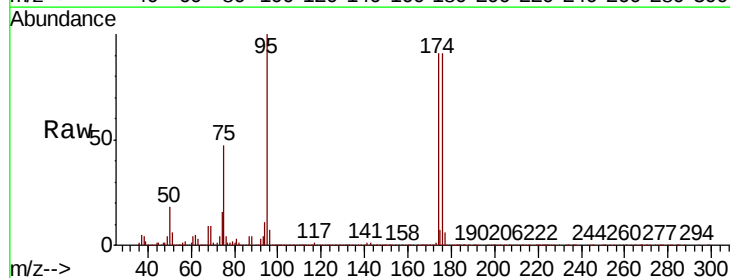
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.4	115.1
150	156.3	0.0	346.8

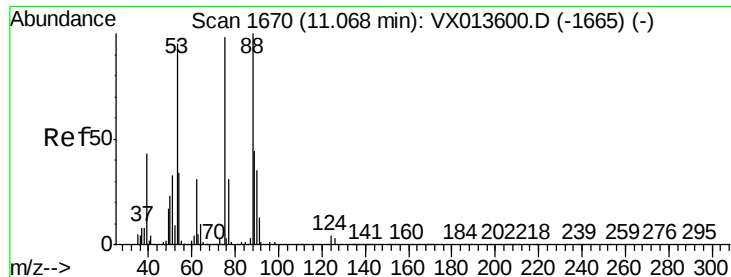


#76

1,2,3-Trichloropropane
Concen: 21.964 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013864.D
Acq: 09 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.088 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013864.D

Acq: 09 Dec 2019 20:27

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20191205DL

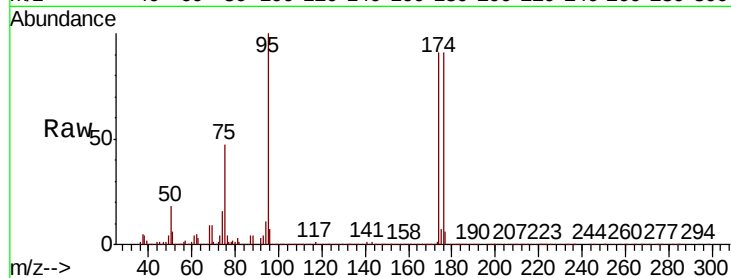
Tot Ion: 75 Resp: 167645

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.1 35.4 53.2#



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

