

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013853.D
 Acq On : 09 Dec 2019 15:46
 Operator : JC/SP
 Sample : K6184-22RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20191204RE

Quant Time: Dec 12 08:10:06 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	614207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	949309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	847655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	365066	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	347178	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.49	113	283540	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1121483	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	370927	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

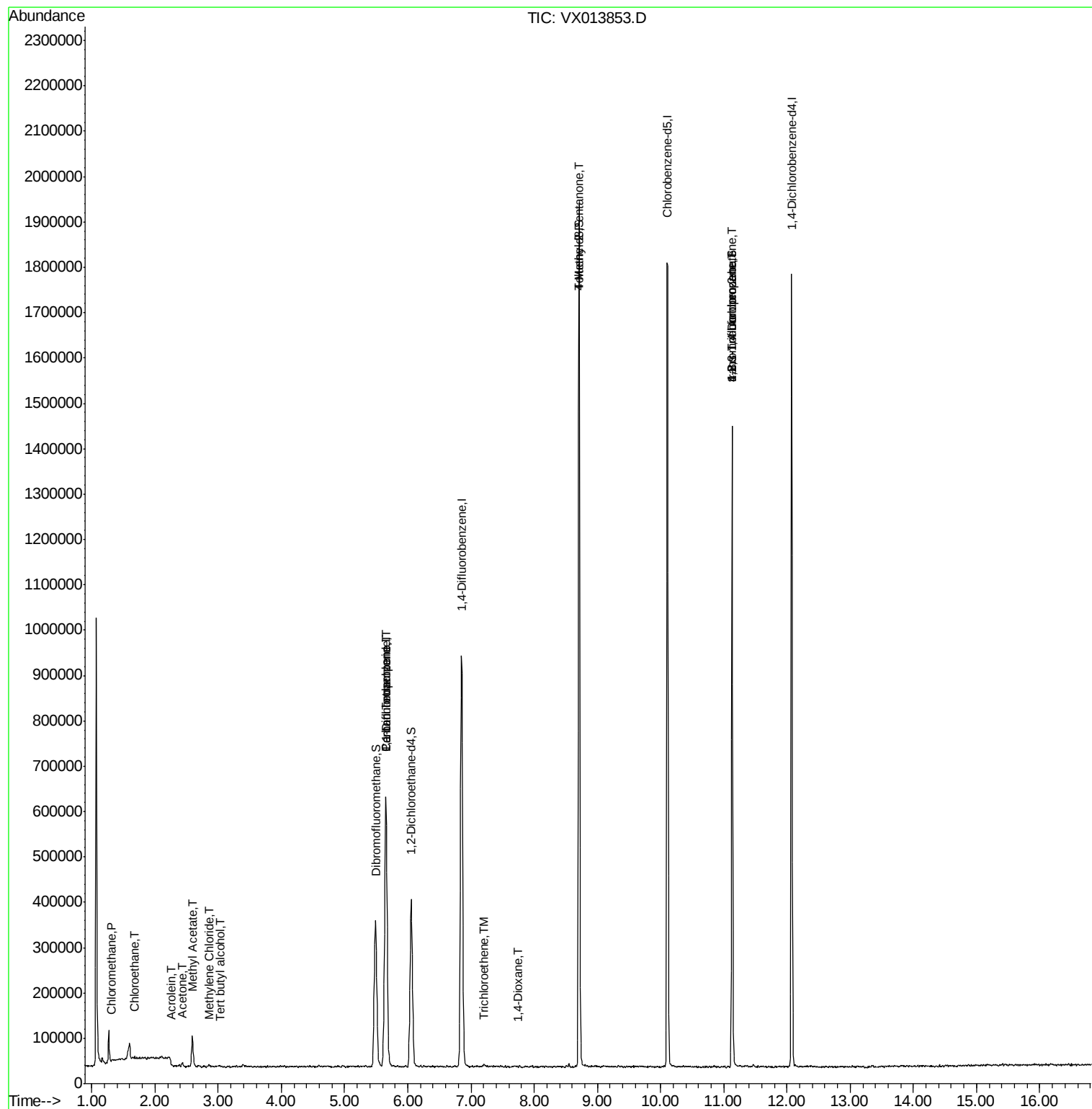
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2082	0.271	ug/l	96
6) Chloroethane	1.67	64	1127	0.229	ug/l #	62
11) Tert butyl alcohol	3.03	59	2355	1.338	ug/l #	1
13) Acrolein	2.27	56	147	6.126	ug/l #	15
16) Acetone	2.44	43	10489	2.980	ug/l #	87
18) Methyl Acetate	2.59	43	19502	1.990	ug/l #	51
20) Methylene Chloride	2.86	84	1973	0.292	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	41139	4.774	ug/l #	51
38) Carbon Tetrachloride	5.65	117	53443	6.726	ug/l #	16
44) Trichloroethene	7.22	130	3100	0.430	ug/l	99
49) 1,4-Dioxane	7.73	88	223	1.288	ug/l #	38
51) 4-Methyl-2-Pentanone	8.71	43	7097	0.709	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	182187	22.188	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	182187	60.703	ug/l #	11

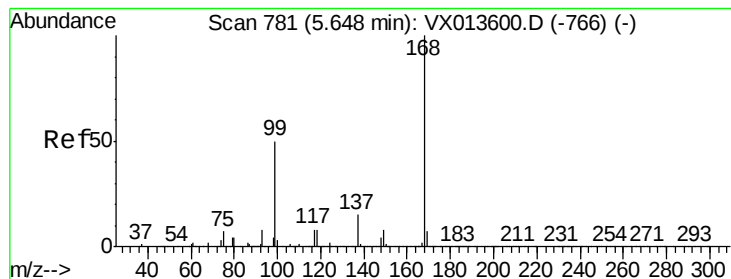
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

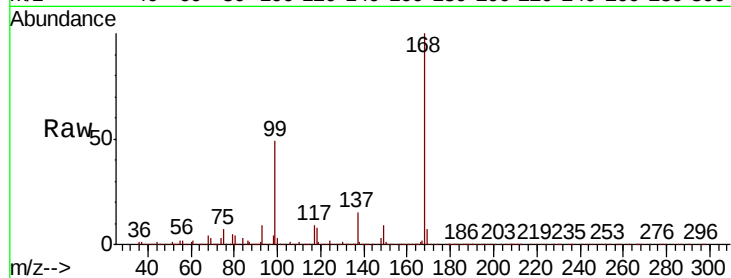
RE104D3-20191204RE

Tot Ion:168 Resp: 614207

Ion Ratio Lower Upper

168 100

99 49.1 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

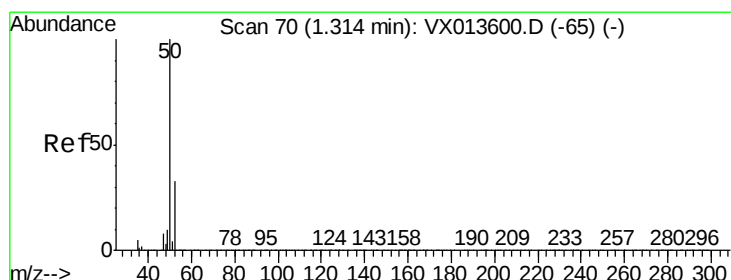
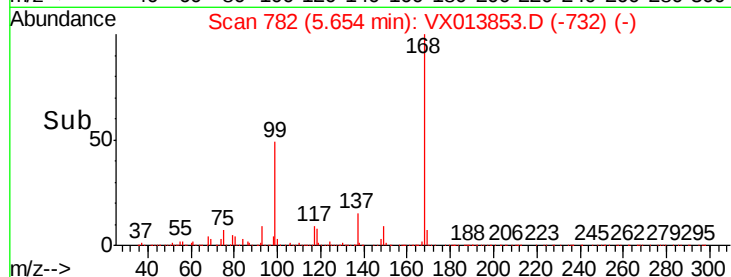
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013853.D

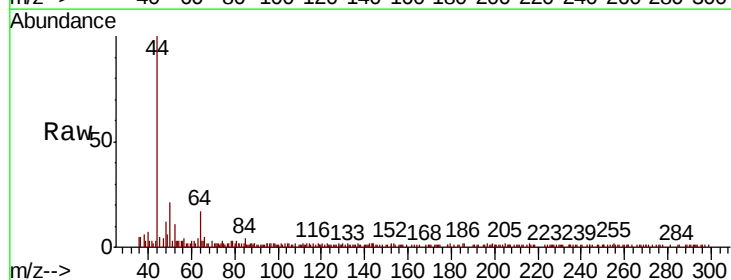
Acq: 09 Dec 2019 15:46

Tgt Ion: 50 Resp: 2082

Ion Ratio Lower Upper

50 100

52 30.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

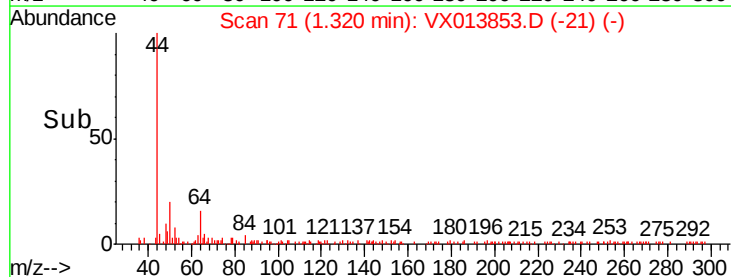
1500

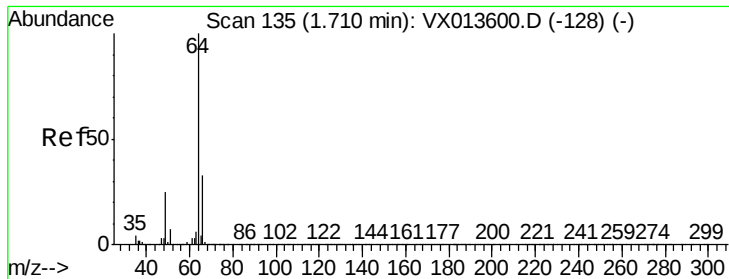
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.229 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

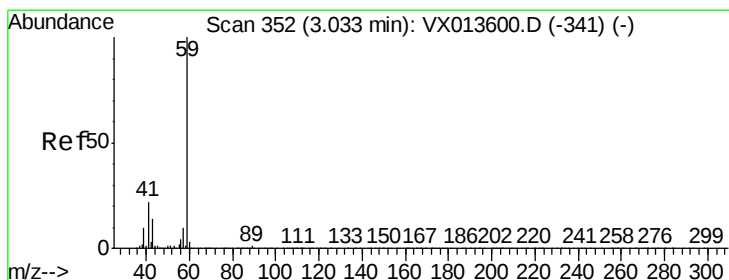
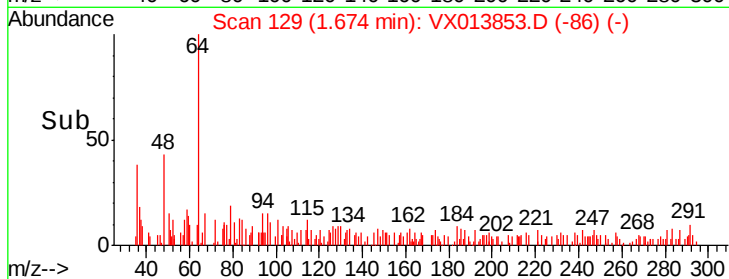
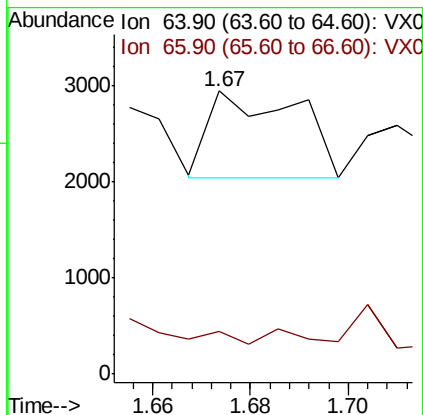
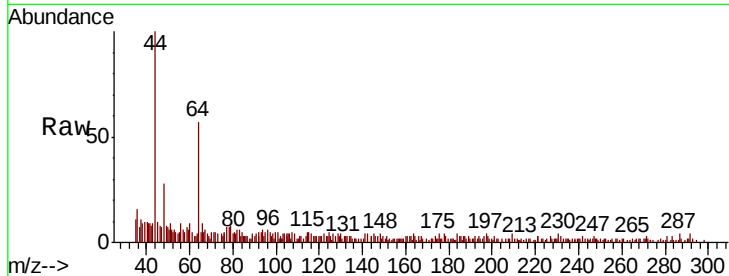
RE104D3-20191204RE

Tot Ion: 64 Resp: 1127

Ion Ratio Lower Upper

64 100

66 11.6 26.7 40.1#



#11

Tert butyl alcohol

Concen: 1.338 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX013853.D

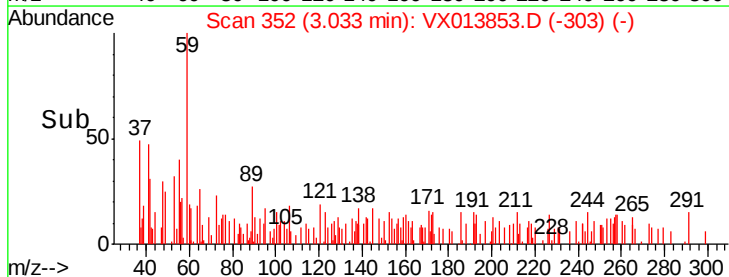
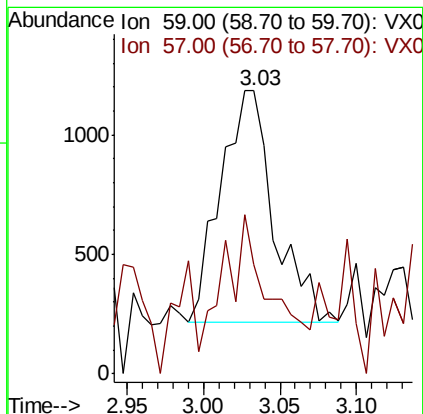
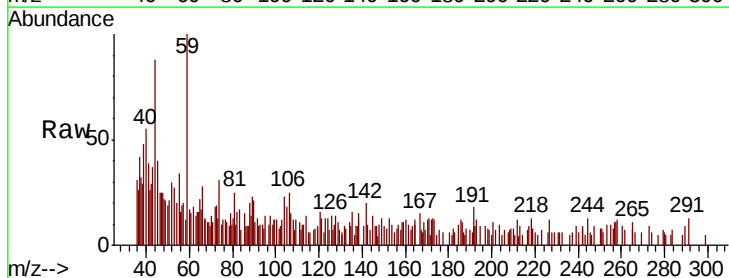
Acq: 09 Dec 2019 15:46

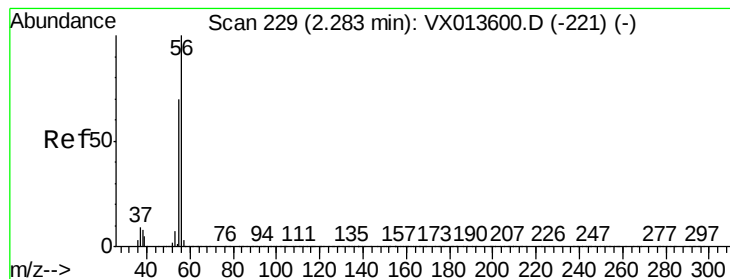
Tgt Ion: 59 Resp: 2355

Ion Ratio Lower Upper

59 100

57 63.9 7.8 11.6#





#13

Acrolein

Concen: 6.126 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

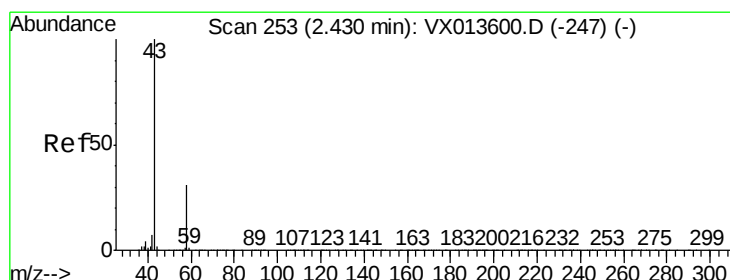
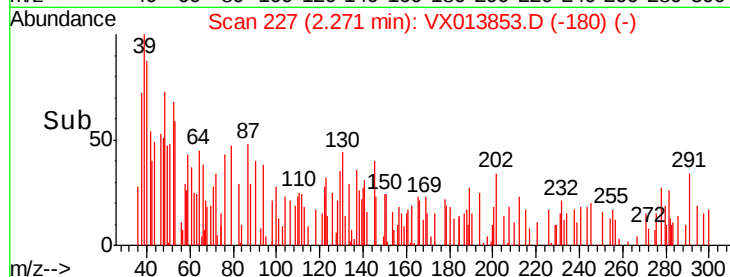
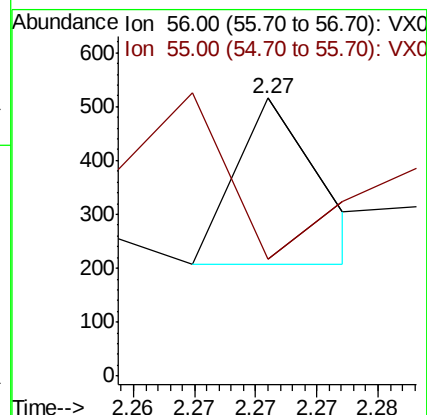
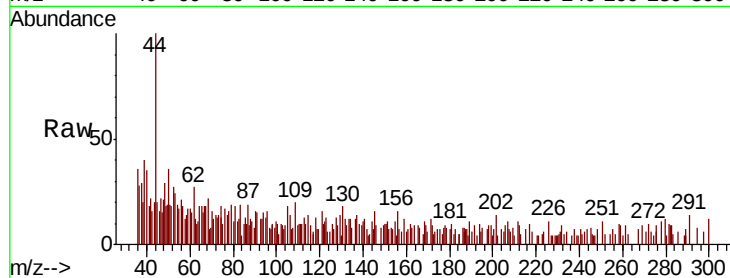
RE104D3-20191204RE

Tot Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.980 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013853.D

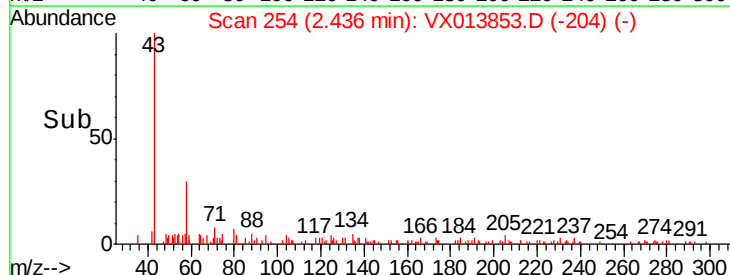
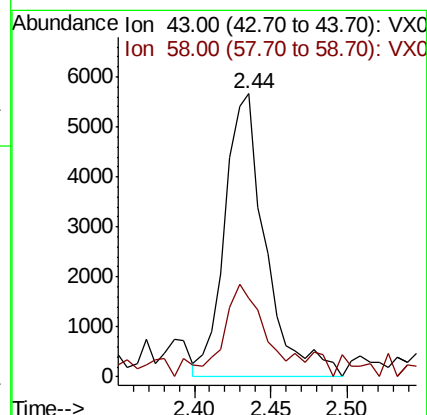
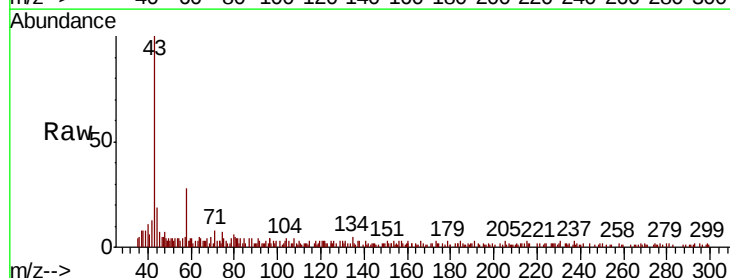
Acq: 09 Dec 2019 15:46

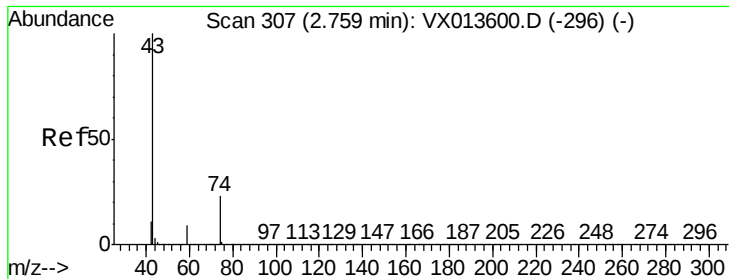
Tgt Ion: 43 Resp: 10489

Ion Ratio Lower Upper

43 100

58 23.6 24.6 36.8#

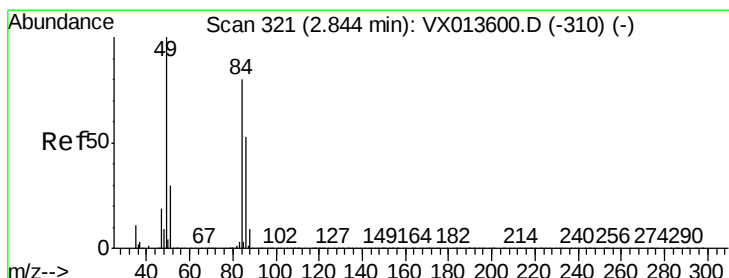
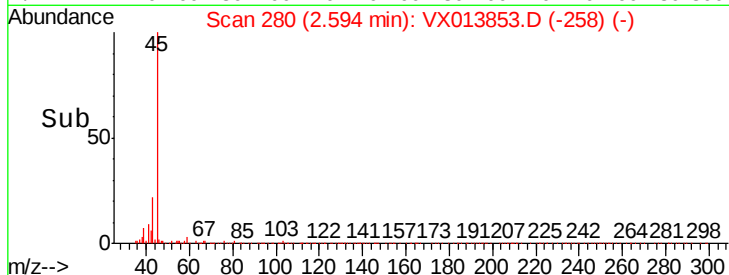
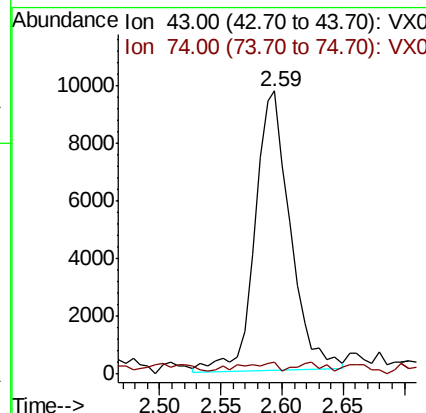
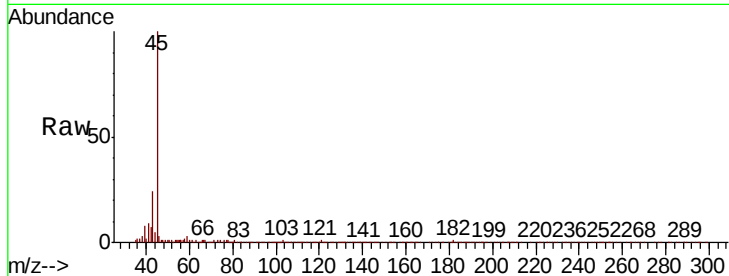




#18
Methyl Acetate
Concen: 1.990 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.16 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

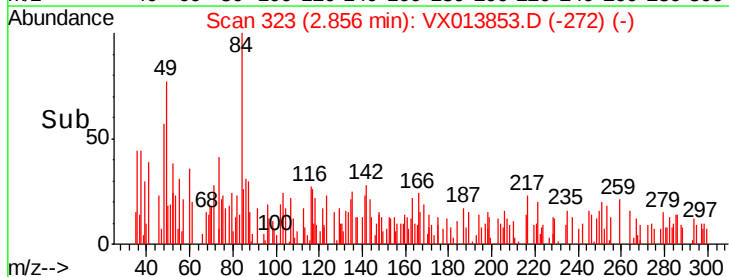
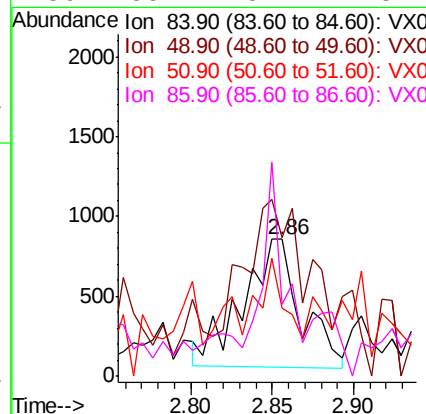
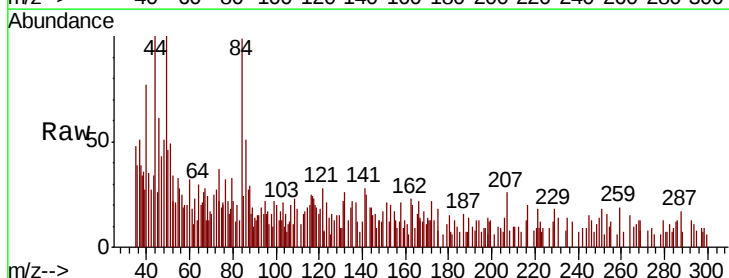
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20191204RE

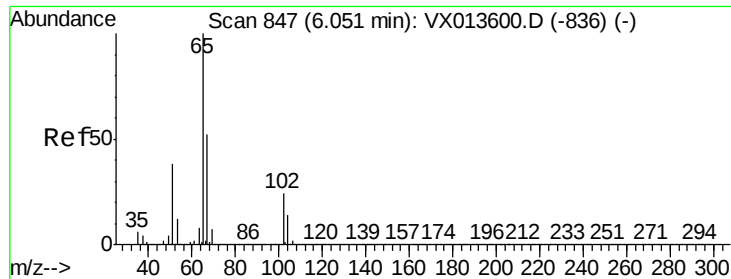
Tot Ion: 43 Resp: 19502
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

Tgt Ion: 84 Resp: 1973
Ion Ratio Lower Upper
84 100
49 52.2 99.7 149.5#
51 0.0 29.9 44.9#
86 38.2 52.2 78.4#





#33

1,2-Dichloroethane-d4

Concen: 48.696 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

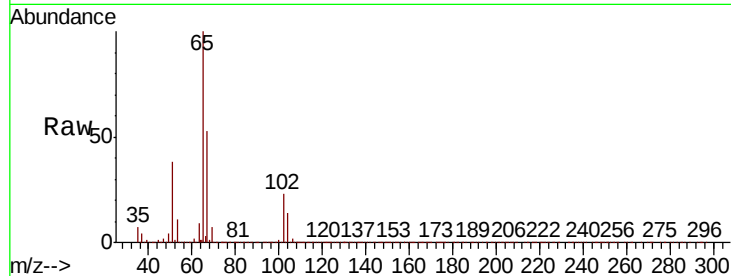
RE104D3-20191204RE

Tot Ion: 65 Resp: 347178

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

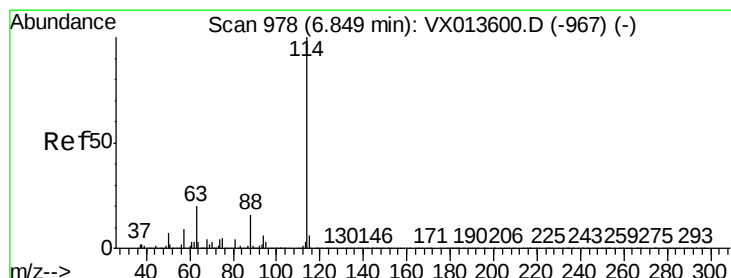
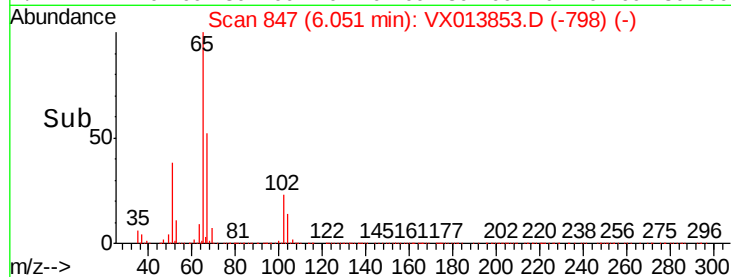
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

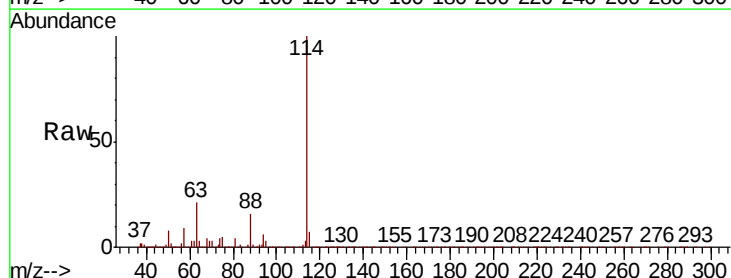
Tgt Ion: 114 Resp: 949309

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.9 0.0 31.4



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

6.85

500000

400000

300000

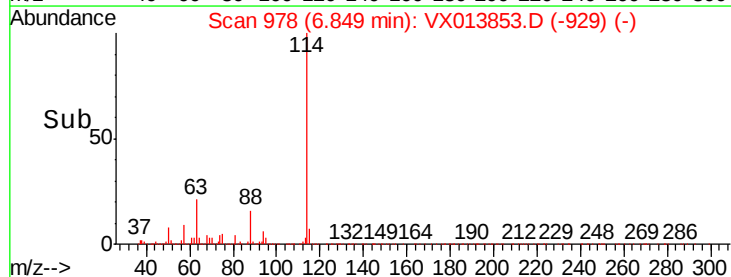
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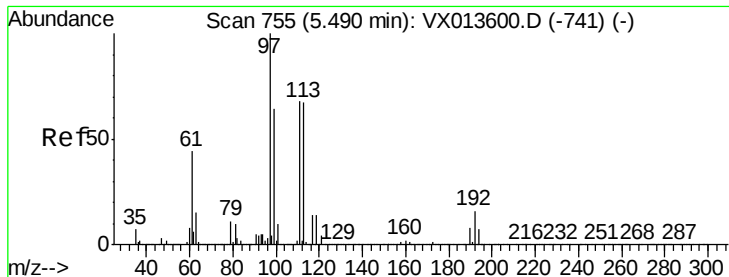
100000

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Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.314 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

RE104D3-20191204RE

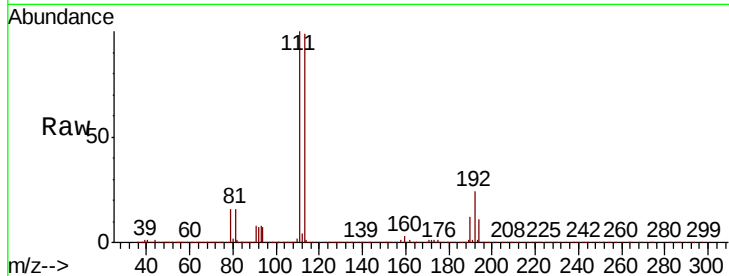
Tot Ion:113 Resp: 283540

Ion Ratio Lower Upper

113 100

111 102.3 83.6 125.4

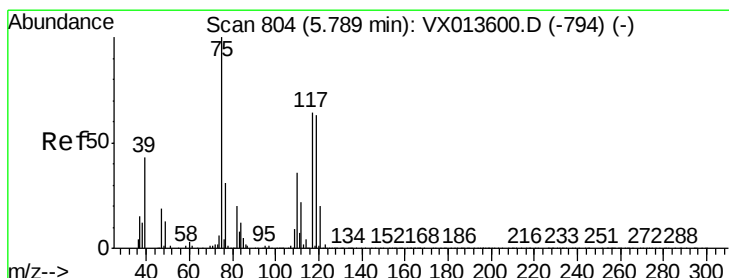
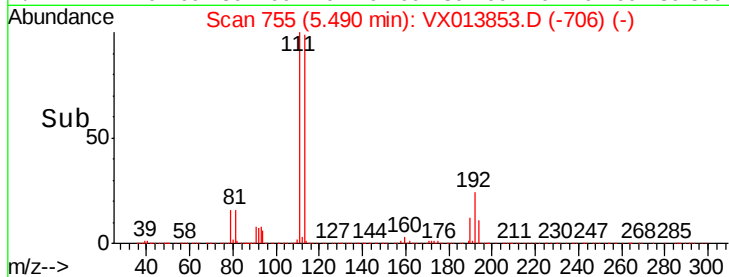
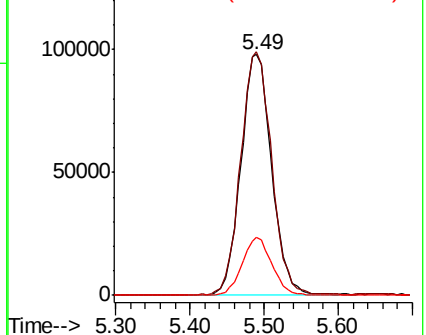
192 23.6 19.2 28.8



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: 4.774 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

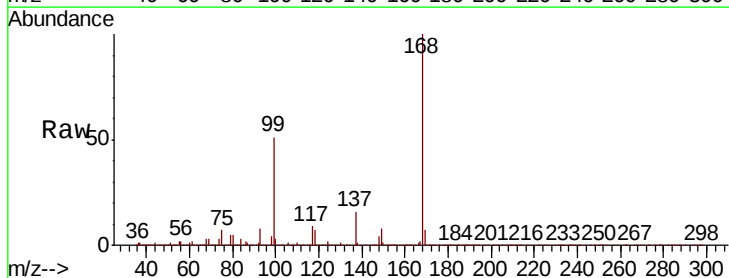
Tgt Ion: 75 Resp: 41139

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

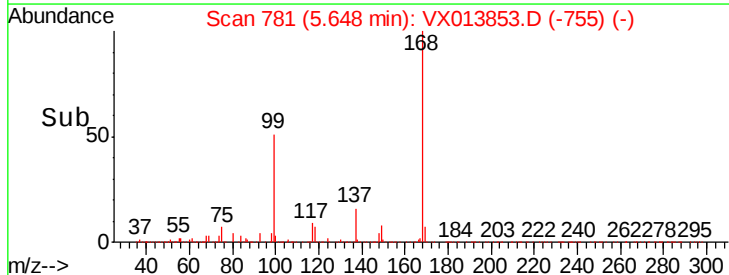
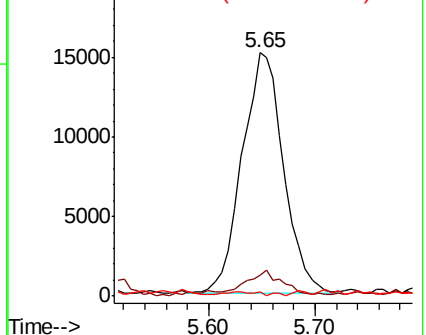
77 0.3 24.5 36.7#

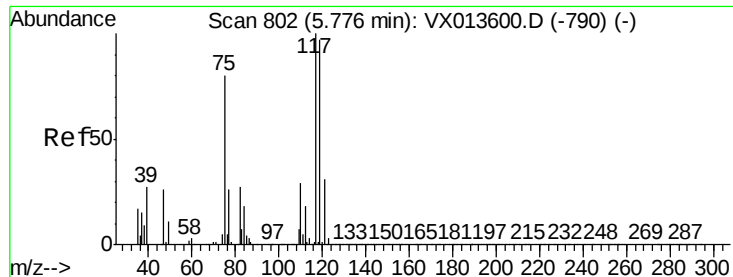


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

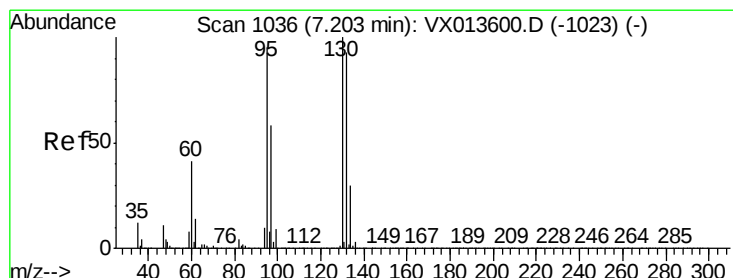
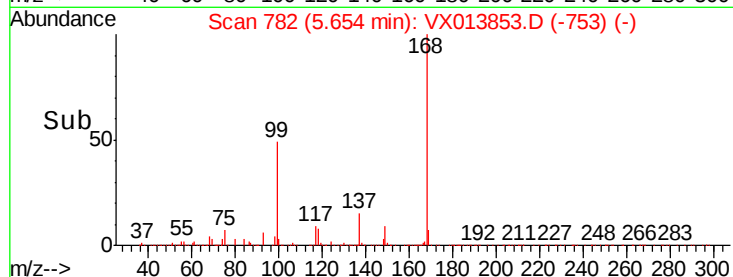
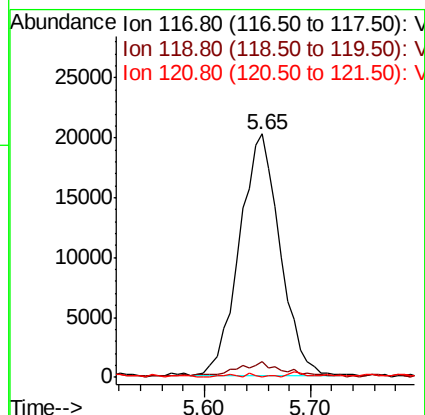
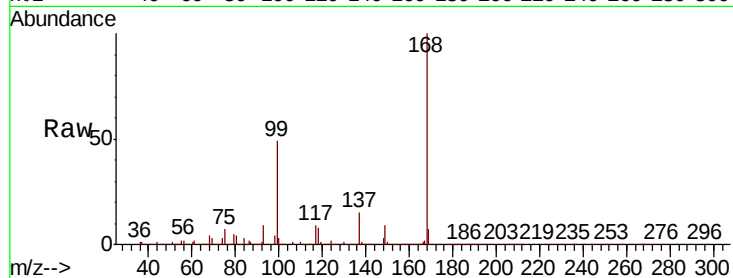




#38
Carbon Tetrachloride
Concen: 6.726 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

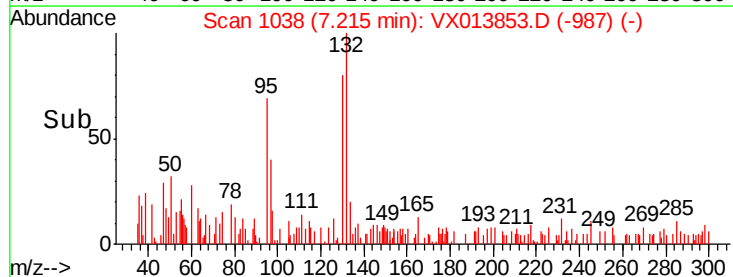
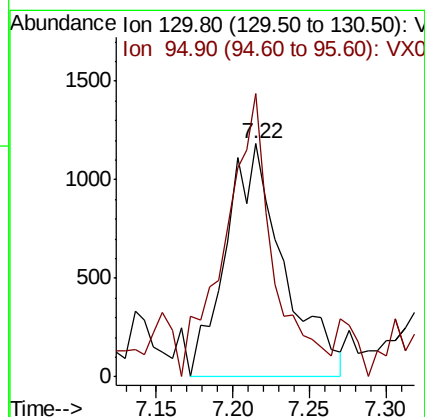
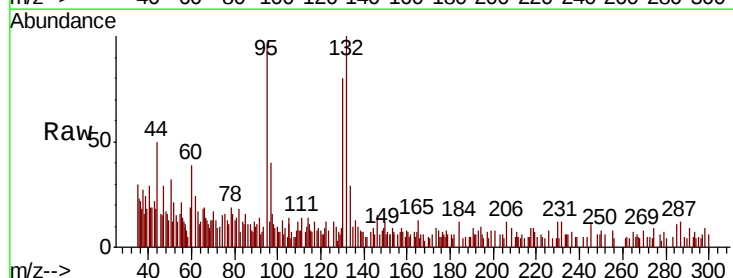
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RE104D3-20191204RE

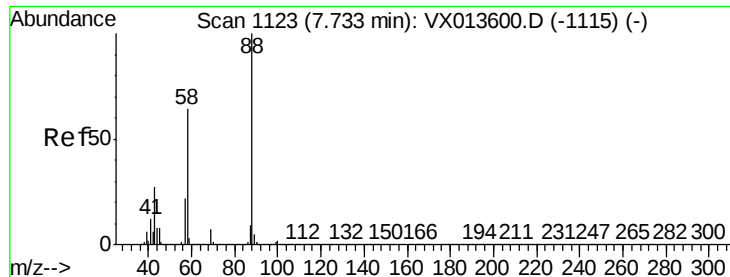
Tot Ion:117 Resp: 53443
Ion Ratio Lower Upper
117 100
119 5.9 77.5 116.3#
121 0.0 25.0 37.6#



#44
Trichloroethene
Concen: 0.430 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

Tgt Ion:130 Resp: 3100
Ion Ratio Lower Upper
130 100
95 96.6 0.0 190.8

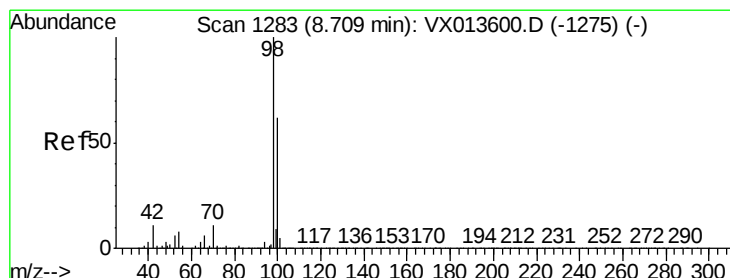
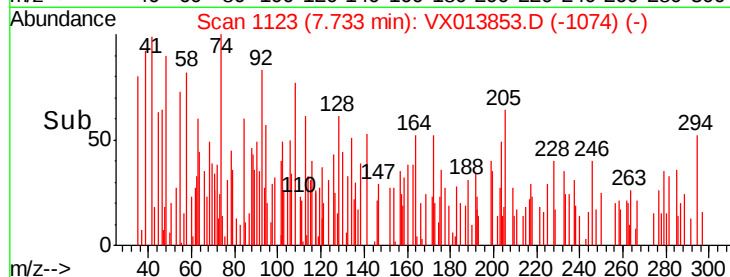
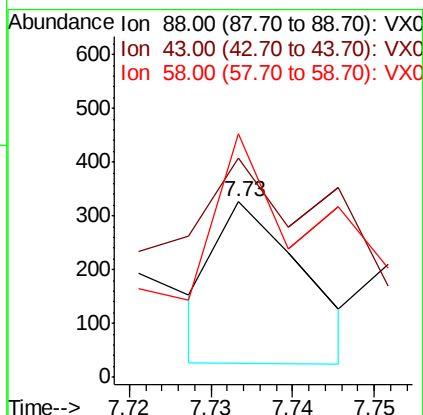
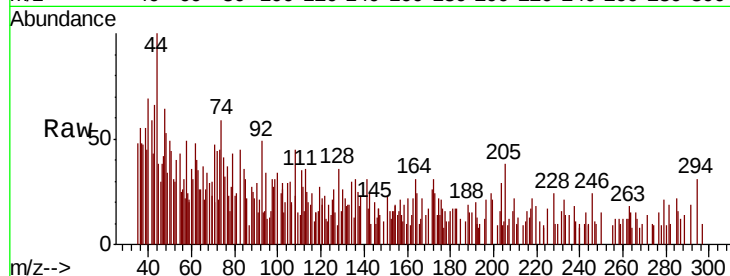




#49
1,4-Dioxane
Concen: 1.288 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

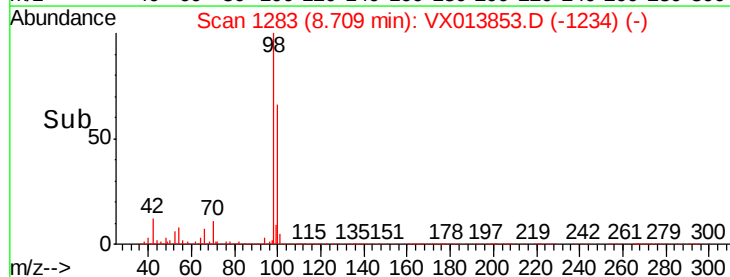
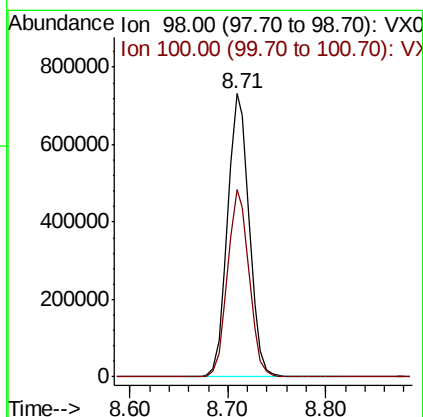
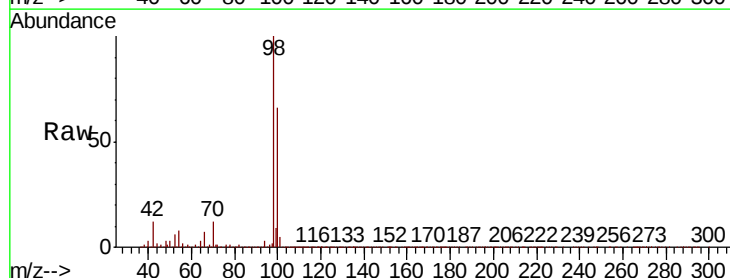
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20191204RE

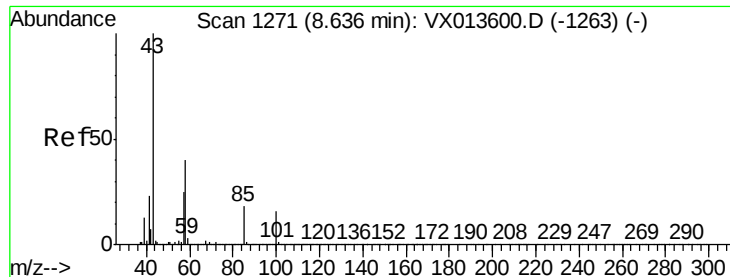
Tot Ion: 88 Resp: 223
Ion Ratio Lower Upper
88 100
43 87.4 25.8 38.6#
58 104.5 54.6 82.0#



#50
Toluene-d8
Concen: 49.047 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

Tgt Ion: 98 Resp: 1121483
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

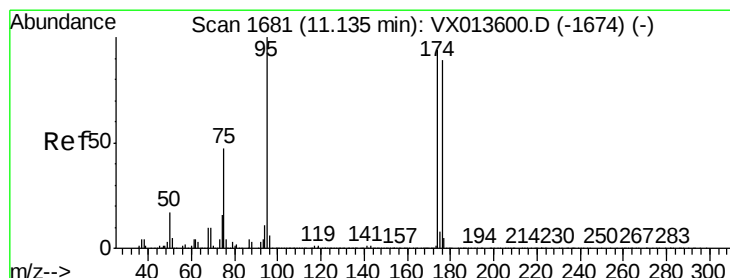
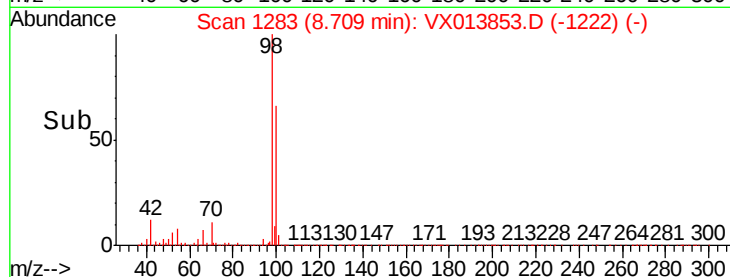
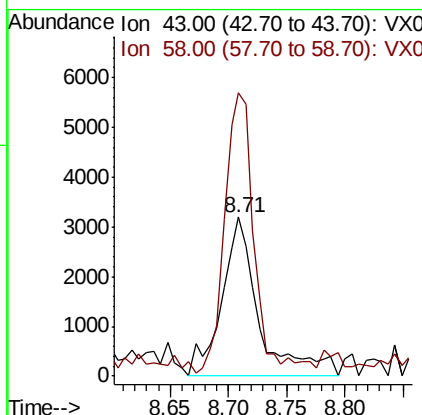
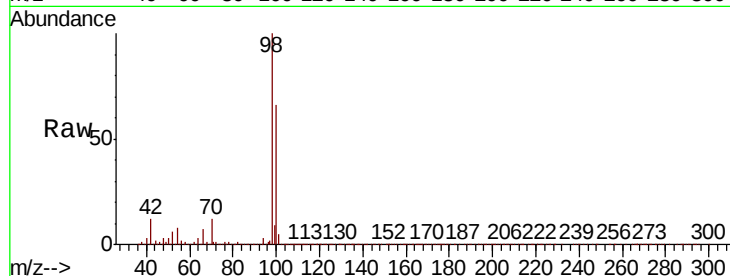




#51
4-Methyl-2-Pentanone
Concen: 0.709 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

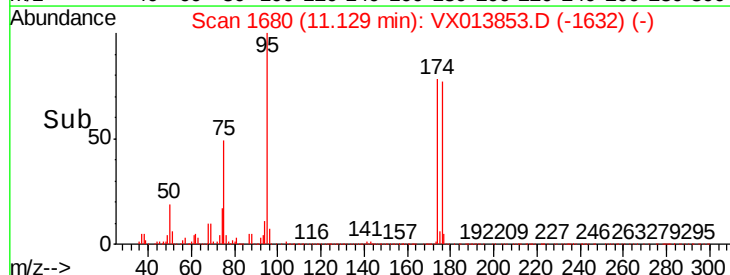
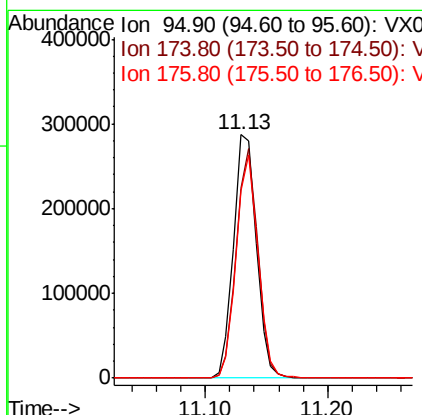
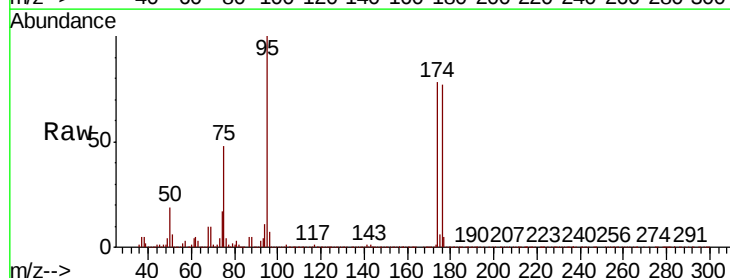
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20191204RE

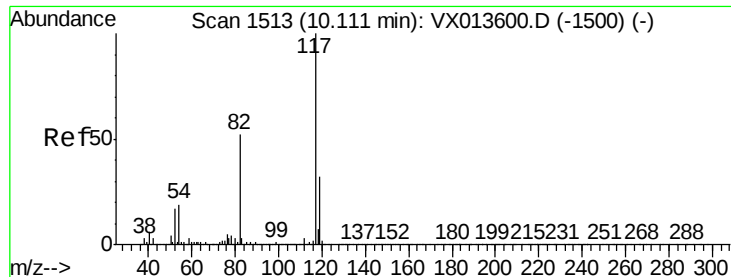
Tot Ion: 43 Resp: 7097
Ion Ratio Lower Upper
43 100
58 136.9 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 44.987 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

Tgt Ion: 95 Resp: 370927
Ion Ratio Lower Upper
95 100
174 89.5 0.0 180.0
176 87.3 0.0 173.6

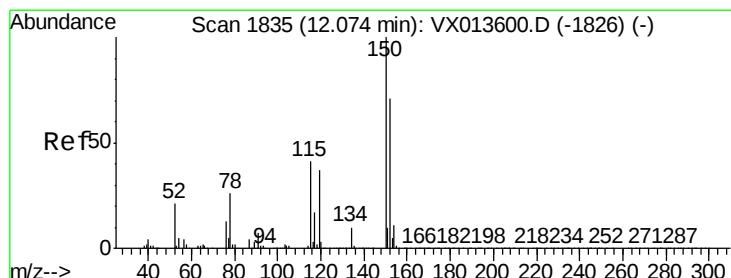
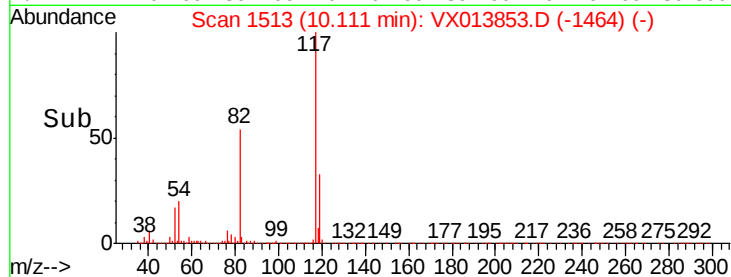
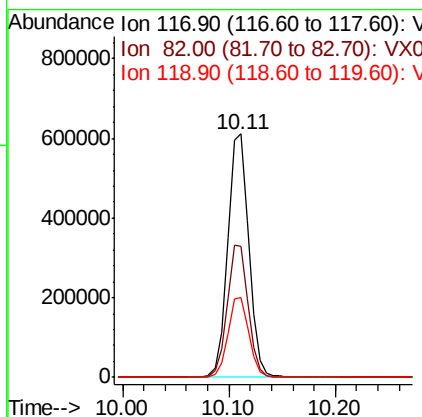
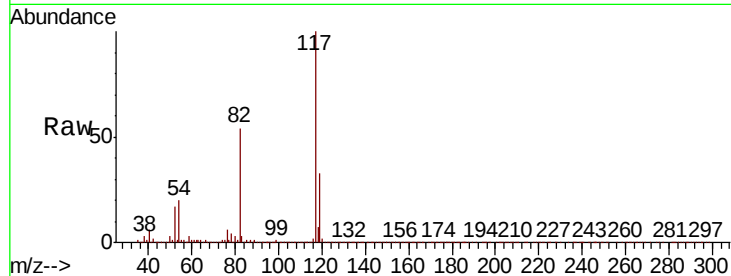




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

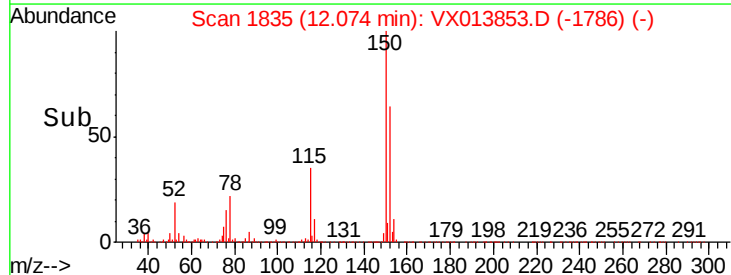
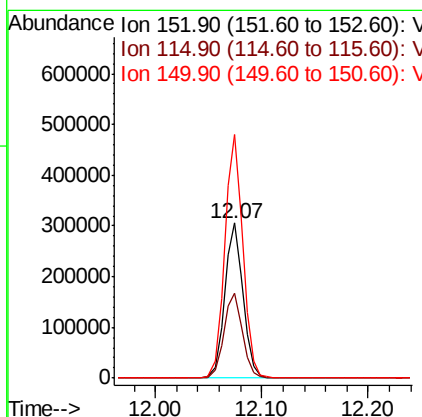
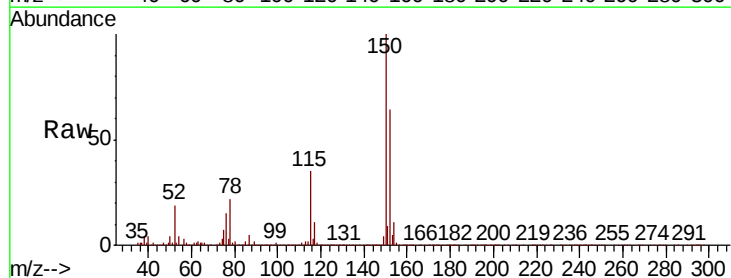
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20191204RE

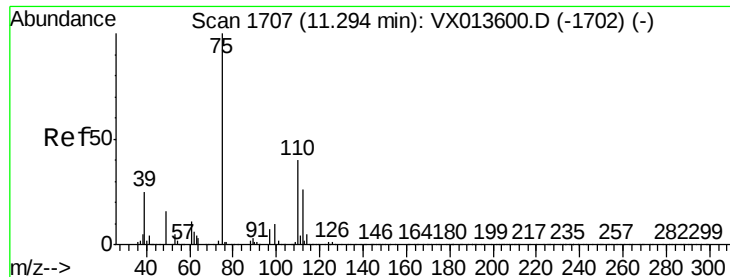
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.8	62.8
119	32.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013853.D
Acq: 09 Dec 2019 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.4	115.1
150	155.9	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 22.188 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

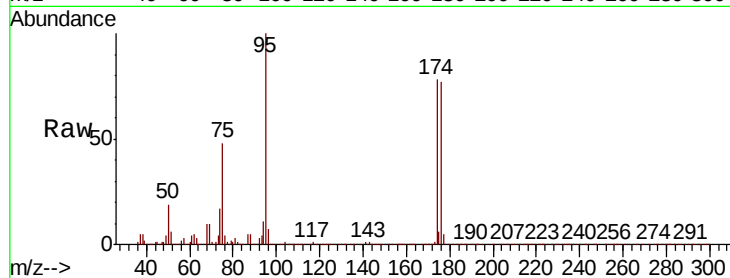
RE104D3-20191204RE

Tot Ion: 75 Resp: 182187

Ion Ratio Lower Upper

75 100

77 1.6 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

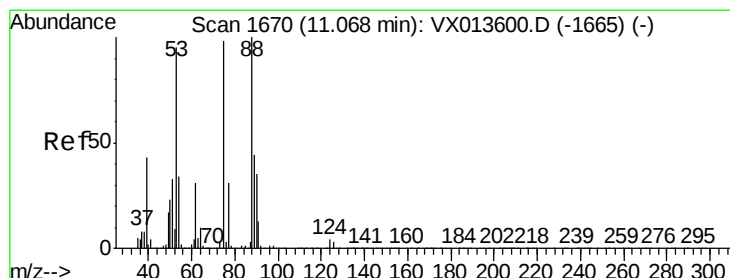
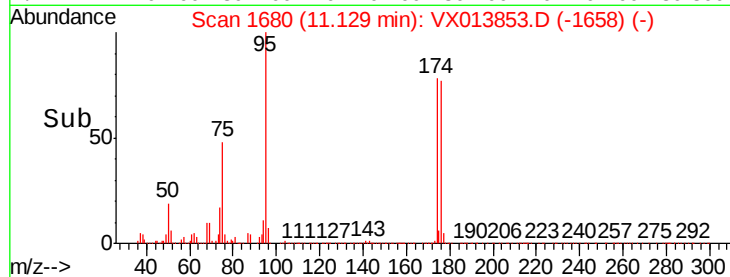
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.703 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013853.D

Acq: 09 Dec 2019 15:46

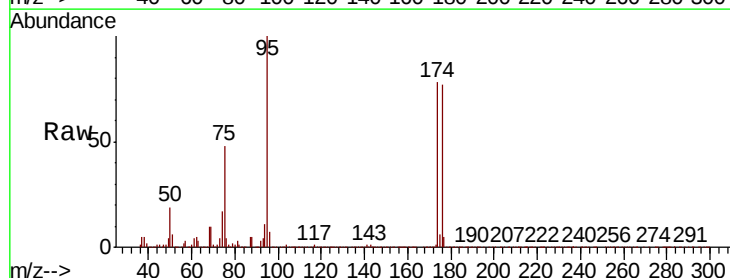
Tgt Ion: 75 Resp: 182187

Ion Ratio Lower Upper

75 100

53 0.5 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

11.13

150000

100000

50000

0

Time-->

