

Data File : VX013944.D
Acq On : 11 Dec 2019 15:08
Operator : JC/SP
Sample : K6184-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

Quant Time: Dec 12 04:00:55 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	588429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	897902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	804026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	332095	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	5.49	113	270508	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.71	98	1067080	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	353088	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	1799	0.324	ug/l #	68
9) 1,1,2-Trichlorotrifluoroet	2.37	101	351754	62.699	ug/l	99
11) Tert butyl alcohol	3.04	59	1101	0.653	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	3212	0.574	ug/l #	89
13) Acrolein	2.27	56	731	6.637	ug/l #	40
16) Acetone	2.43	43	10643	3.156	ug/l	100
18) Methyl Acetate	2.59	43	31288	3.332	ug/l #	52
20) Methylene Chloride	2.86	84	1655	0.255	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	5892	0.841	ug/l	80
36) 1,1-Dichloropropene	5.65	75	39732	4.875	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50377	6.703	ug/l #	15
41) Methacrylonitrile	5.00	41	1245	0.248	ug/l #	62
44) Trichloroethene	7.21	130	105287	15.454	ug/l	98
49) 1,4-Dioxane	7.74	88	718	4.386	ug/l #	47
58) 2-Chloroethyl Vinyl ether	8.32	63	977	0.249	ug/l #	88
60) Dibromochloromethane	9.33	129	36555	5.668	ug/l #	12
64) Tetrachloroethene	9.33	164	41259	6.881	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	173397	21.958	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	173397	60.072	ug/l #	11

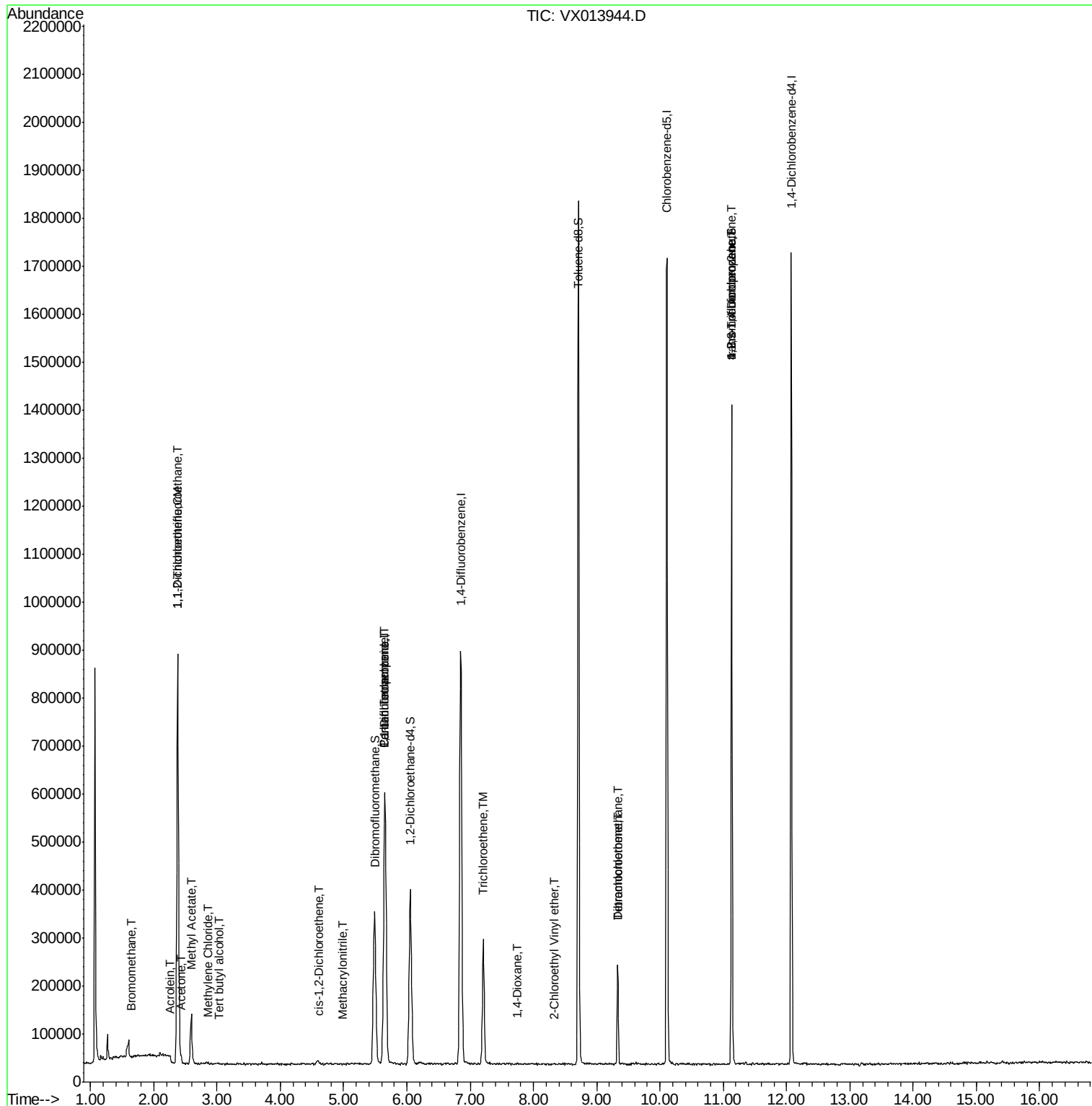
(#) = qualifier out of range (m) = manual integration (+) = signals summed

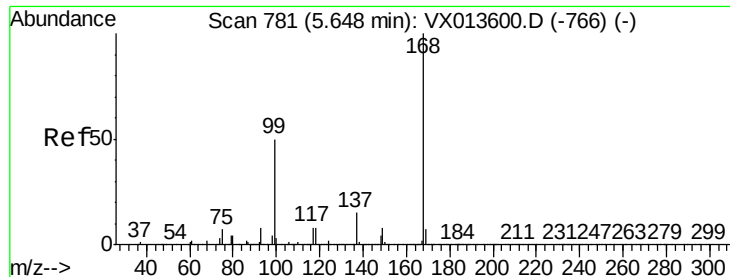
Data File : VX013944.D

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Instrument :
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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: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

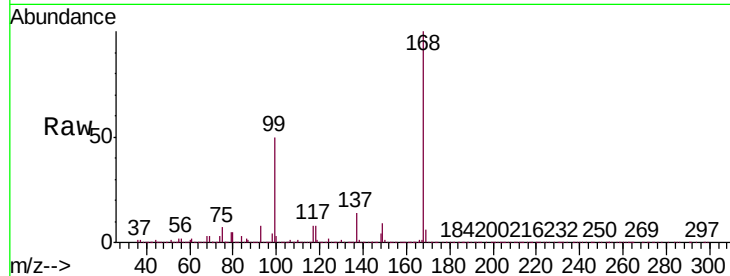
RE134D4-20191202

Tgt Ion:168 Resp: 588429

Ion Ratio Lower Upper

168 100

99 49.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

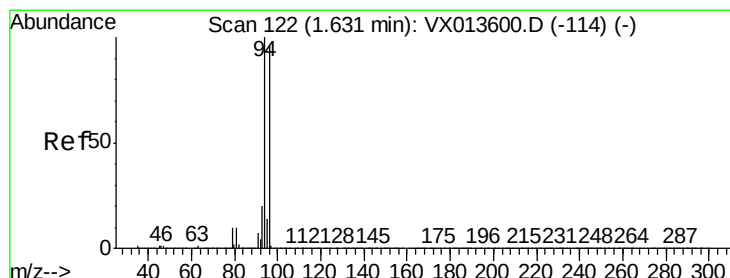
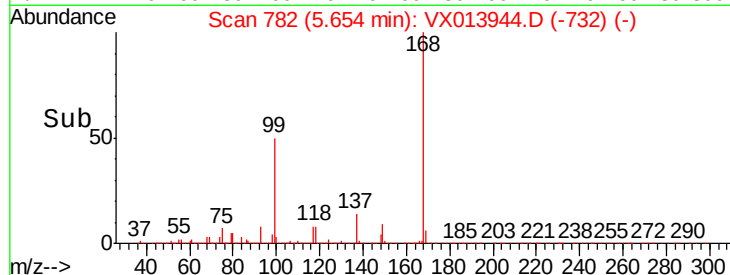
5.50

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: 0.324 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013944.D

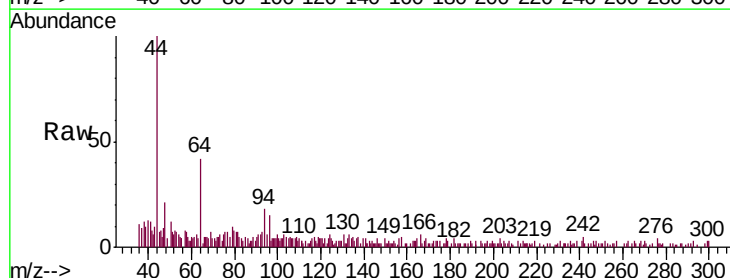
Acq: 11 Dec 2019 15:08

Tgt Ion: 94 Resp: 1799

Ion Ratio Lower Upper

94 100

96 64.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

400

200

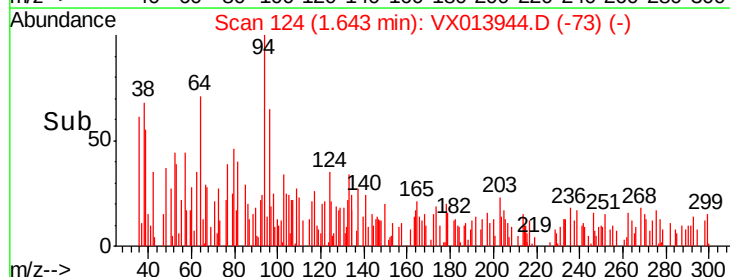
0

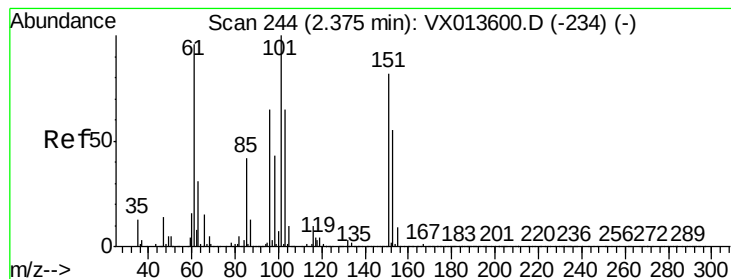
1.60

1.65

1.70

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.699 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202

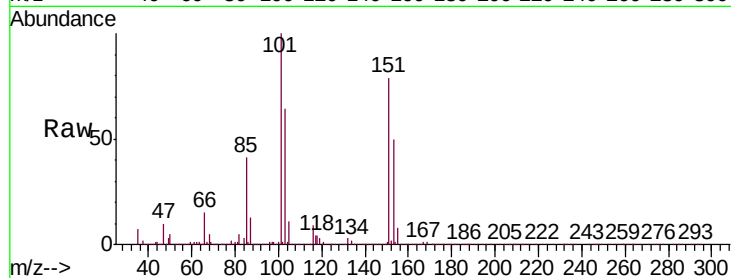
Tgt Ion:101 Resp: 351754

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

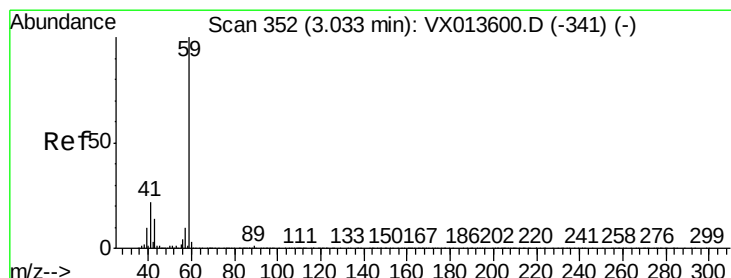
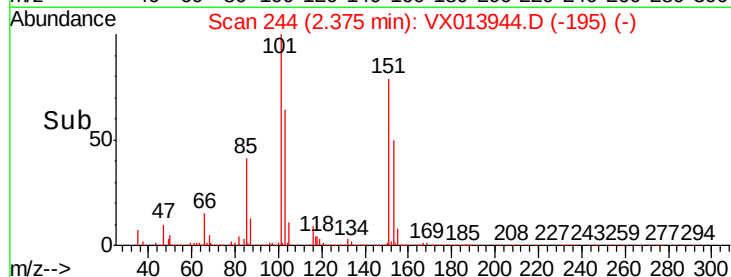
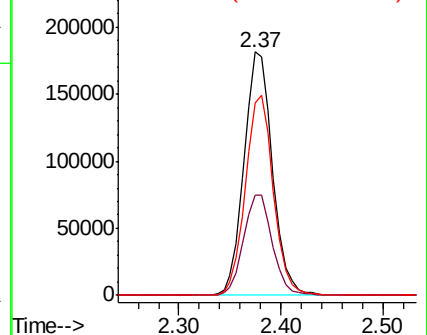
151 80.8 64.2 96.2



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



#11

Tert butyl alcohol

Concen: 0.653 ug/l

RT: 3.04 min Scan# 353

Delta R.T. 0.01 min

Lab File: VX013944.D

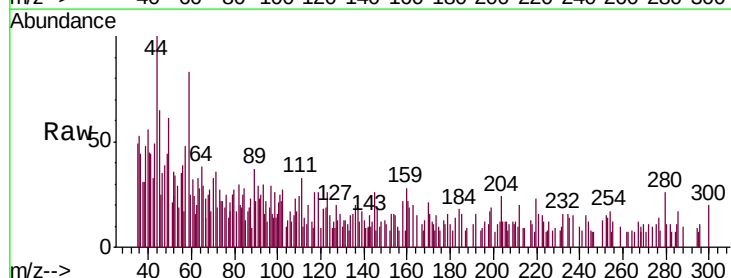
Acq: 11 Dec 2019 15:08

Tgt Ion: 59 Resp: 1101

Ion Ratio Lower Upper

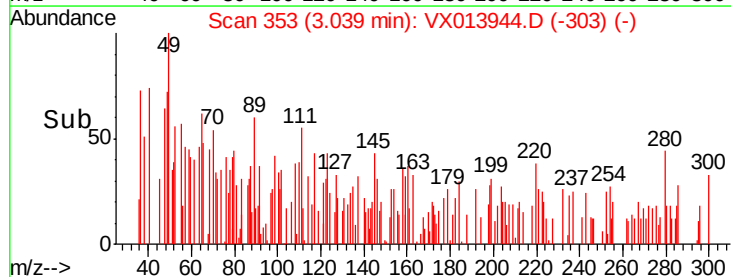
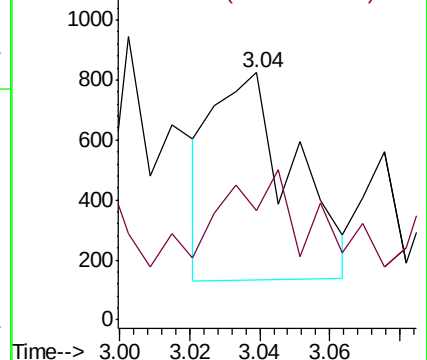
59 100

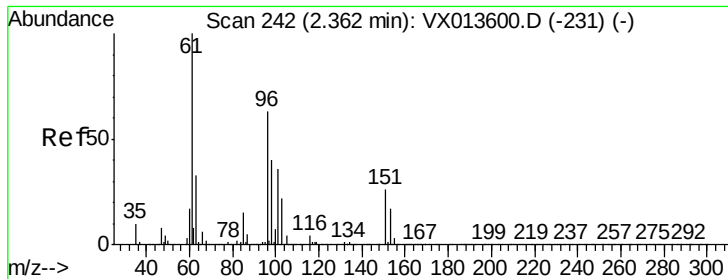
57 46.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

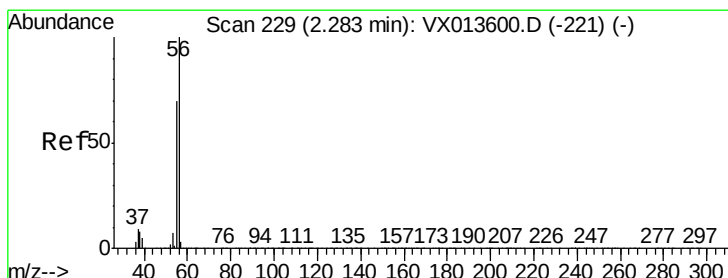
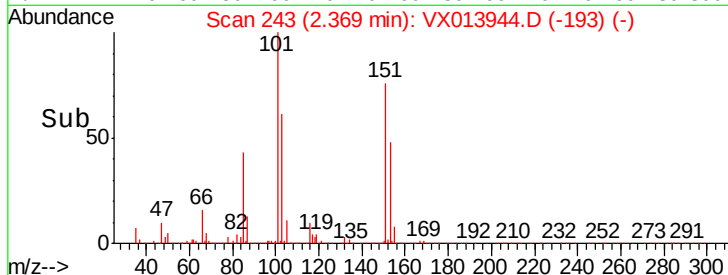
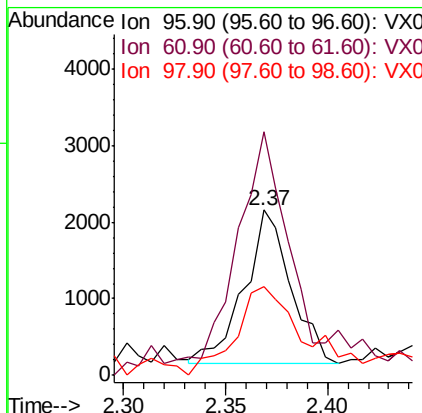
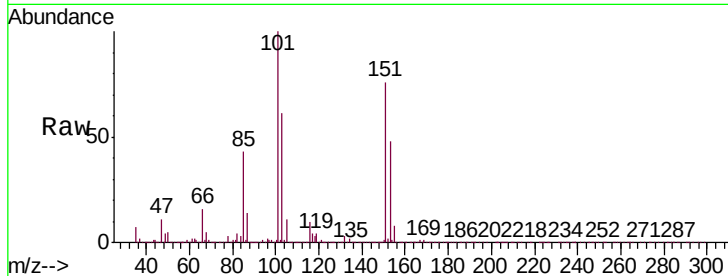




#12
 1,1-Dichloroethene
 Concen: 0.574 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX013944.D
 Acq: 11 Dec 2019 15:08

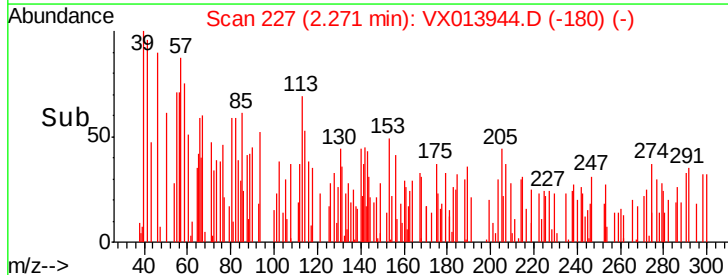
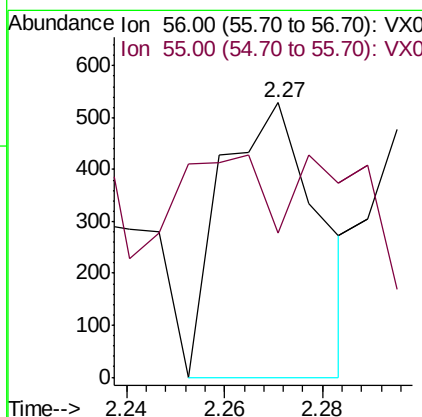
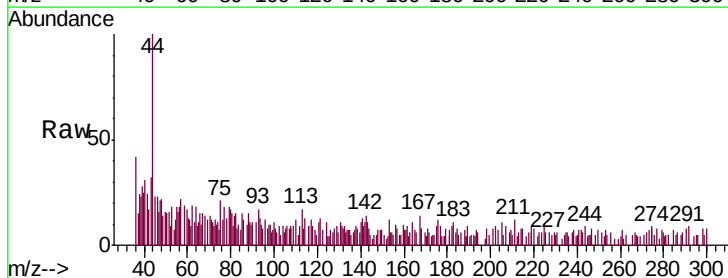
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20191202

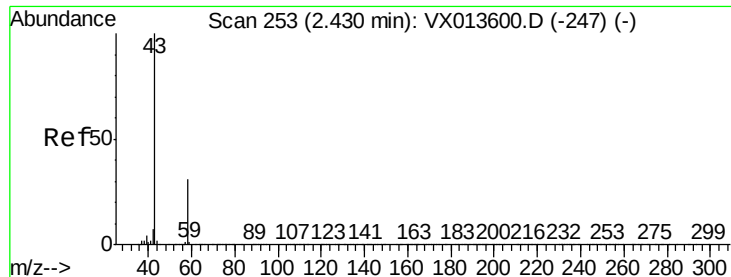
Tgt Ion: 96 Resp: 3212
 Ion Ratio Lower Upper
 96 100
 61 146.7 126.6 190.0
 98 50.6 50.6 76.0#



#13
 Acrolein
 Concen: 6.637 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX013944.D
 Acq: 11 Dec 2019 15:08

Tgt Ion: 56 Resp: 731
 Ion Ratio Lower Upper
 56 100
 55 21.2 56.2 84.4#

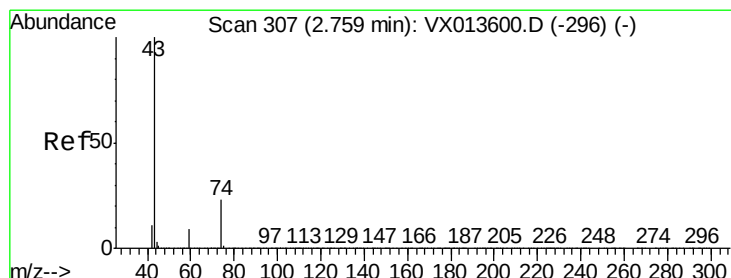
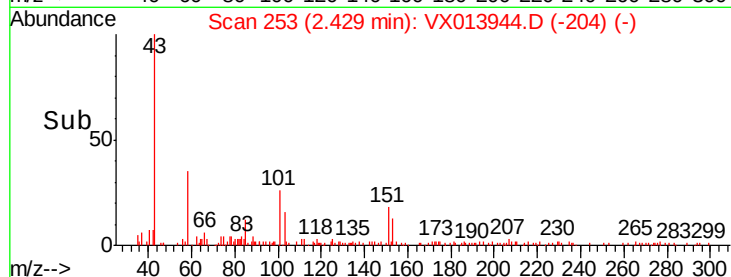
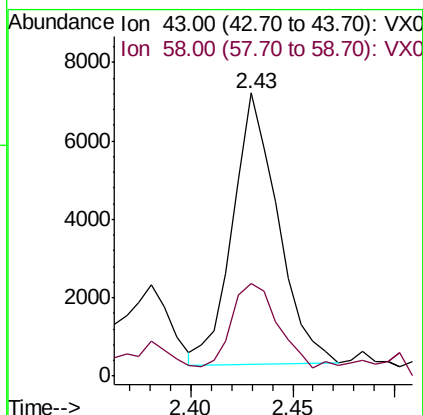
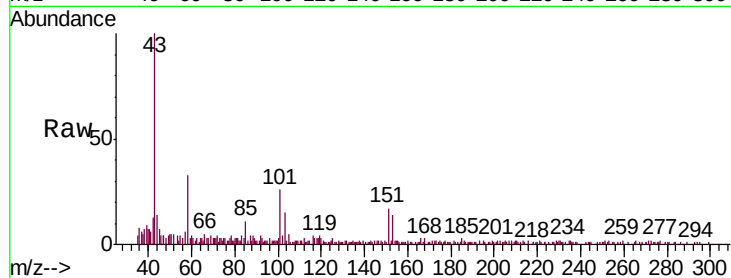




#16
Acetone
Concen: 3.156 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

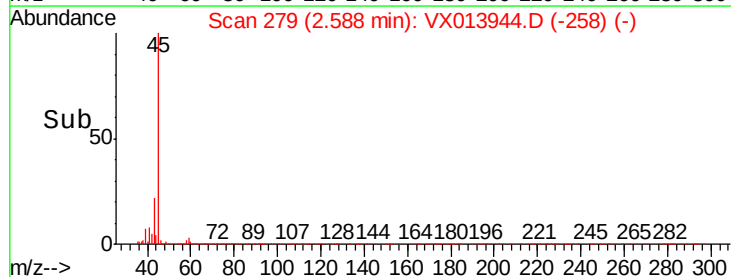
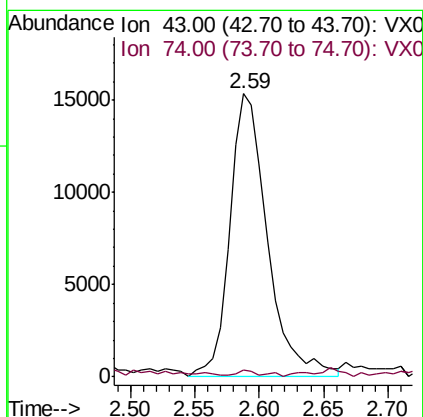
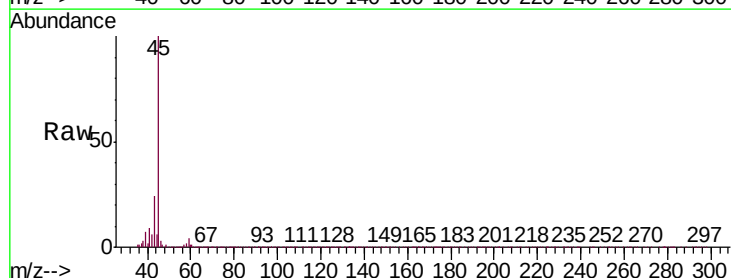
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

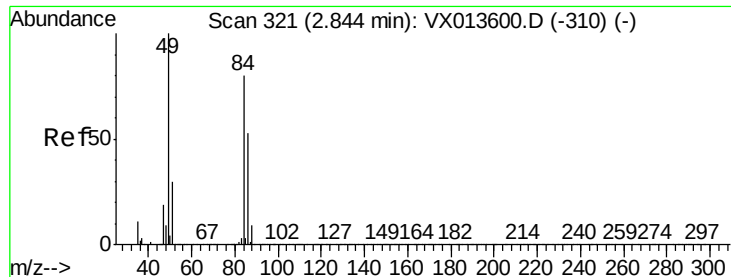
Tgt Ion: 43 Resp: 10643
Ion Ratio Lower Upper
43 100
58 30.6 24.6 36.8



#18
Methyl Acetate
Concen: 3.332 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion: 43 Resp: 31288
Ion Ratio Lower Upper
43 100
74 0.6 19.5 29.3#

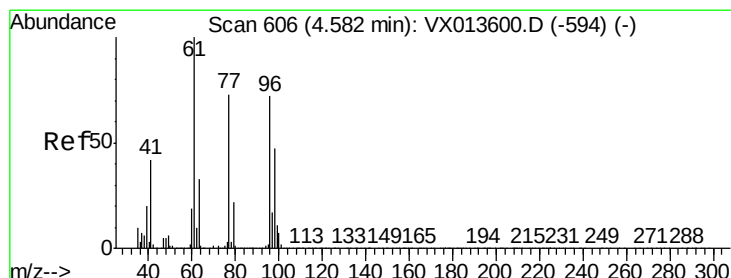
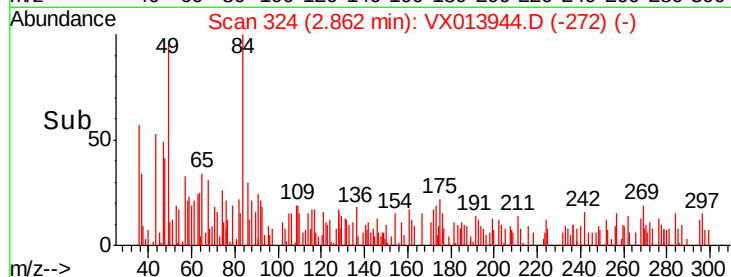
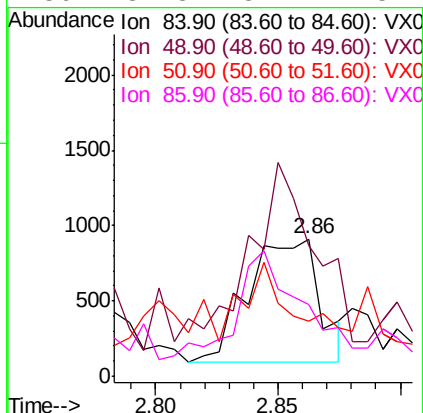
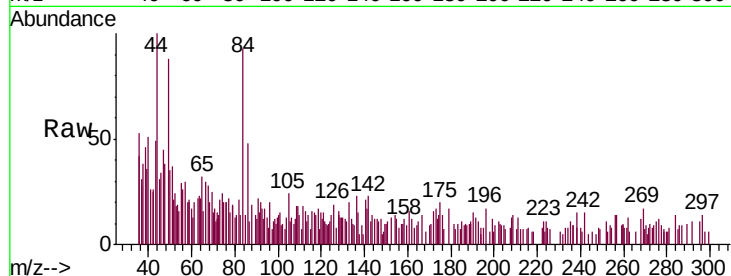




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.86 min Scan# 324
Delta R.T. 0.02 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

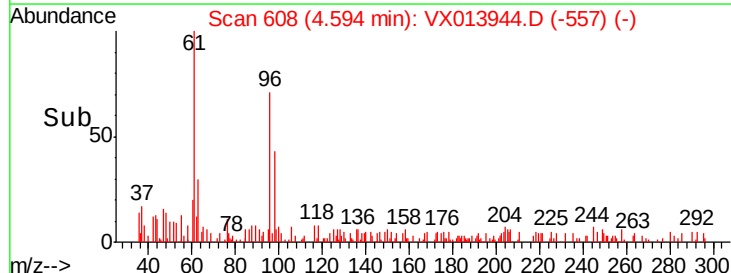
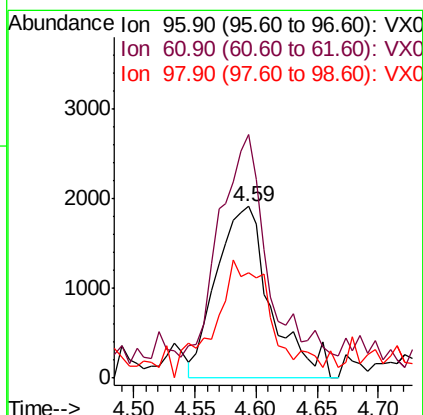
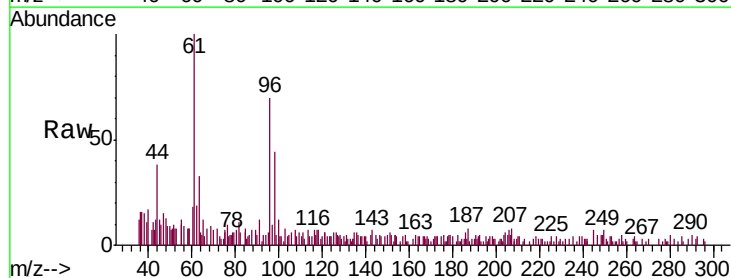
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

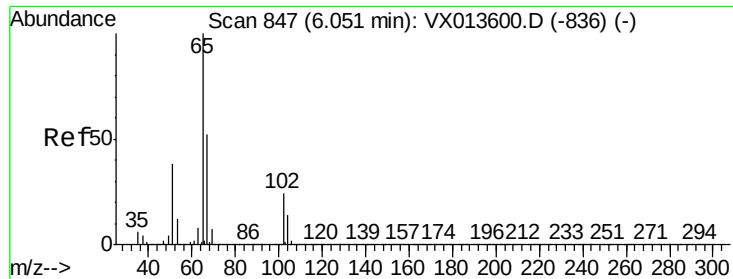
Tgt Ion:	84	Resp:	1655
Ion	Ratio	Lower	Upper
84	100		
49	59.4	99.7	149.5#
51	9.9	29.9	44.9#
86	31.3	52.2	78.4#



#27
cis-1,2-Dichloroethene
Concen: 0.841 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion:	96	Resp:	5892
Ion	Ratio	Lower	Upper
96	100		
61	110.2	0.0	286.4
98	67.9	0.0	127.4

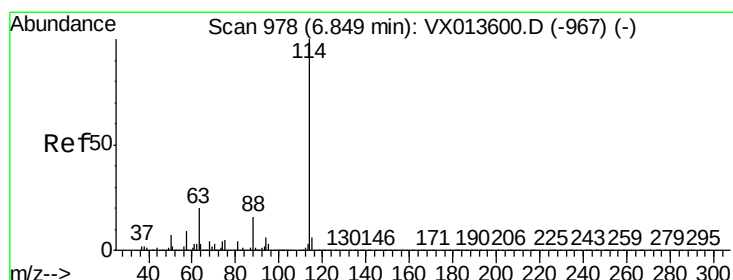
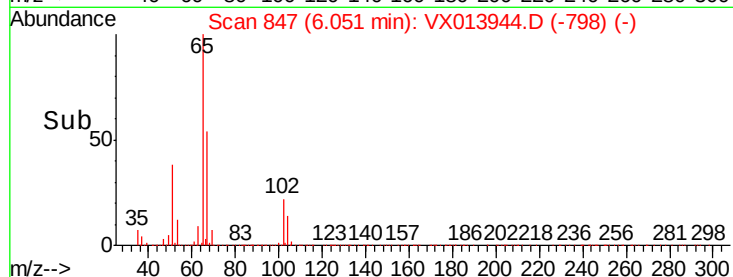
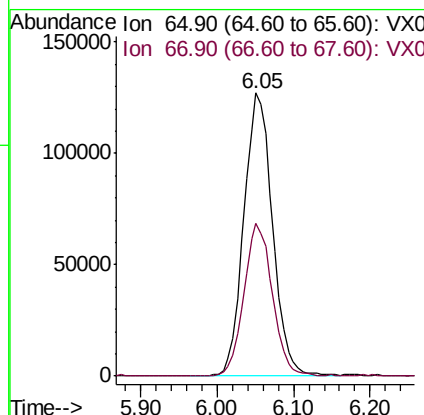
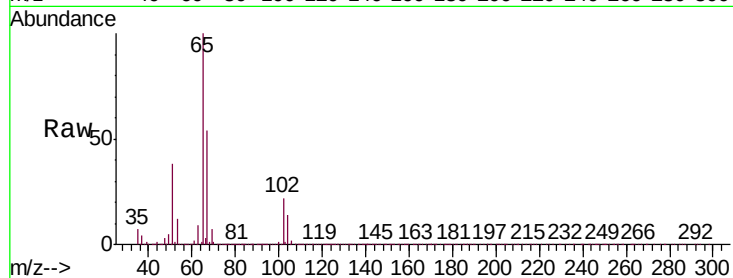




#33
 1,2-Dichloroethane-d4
 Concen: 48.621 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013944.D
 Acq: 11 Dec 2019 15:08

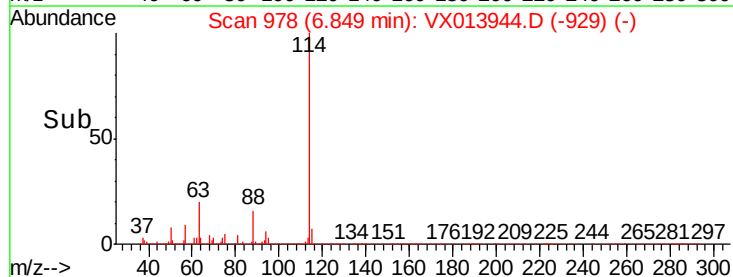
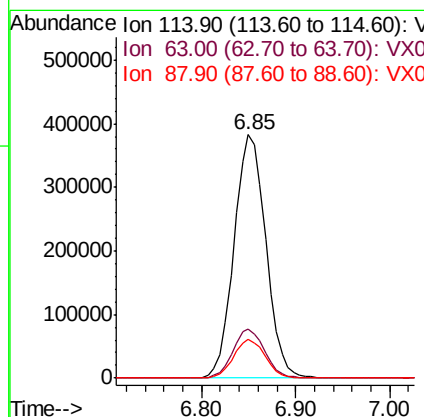
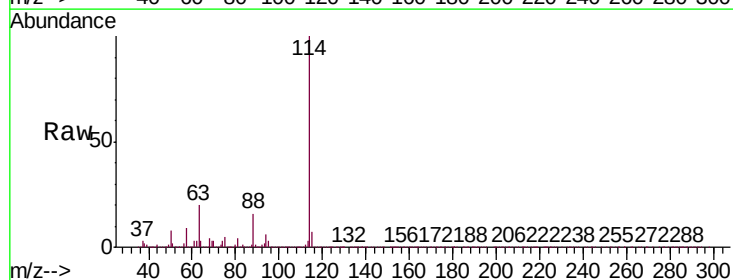
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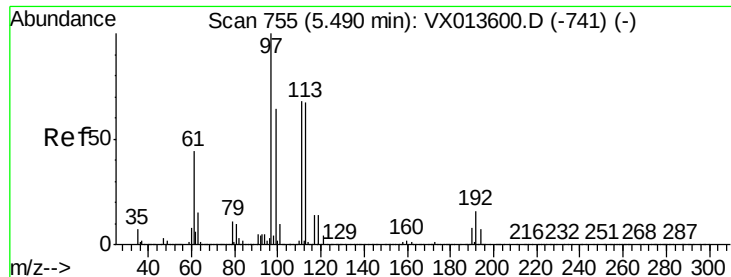
Tgt Ion: 65 Resp: 332095
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013944.D
 Acq: 11 Dec 2019 15:08

Tgt Ion: 114 Resp: 897902
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 16.0 0.0 31.4

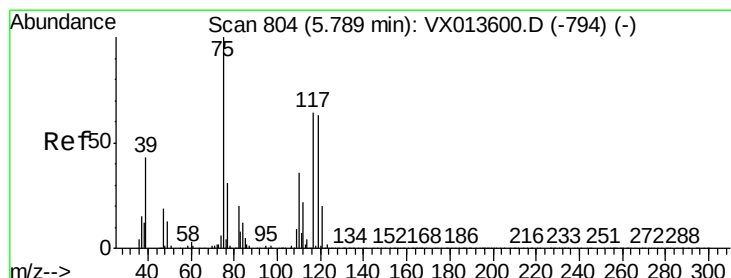
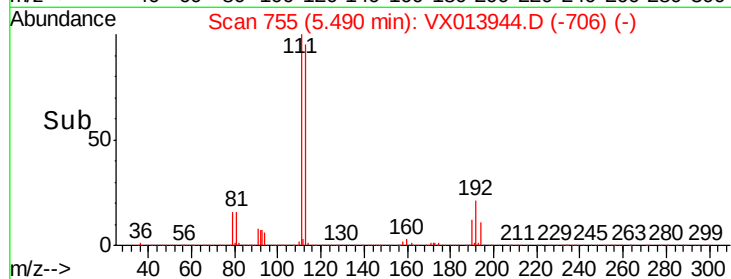
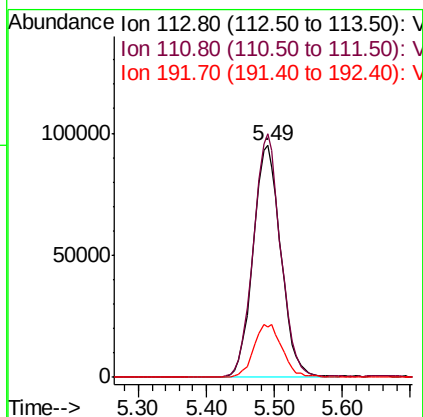
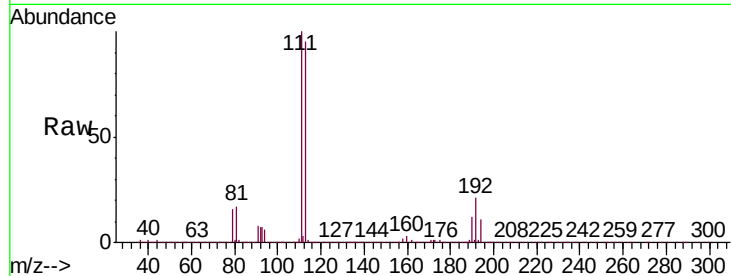




#35
Dibromofluoromethane
Concen: 48.732 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

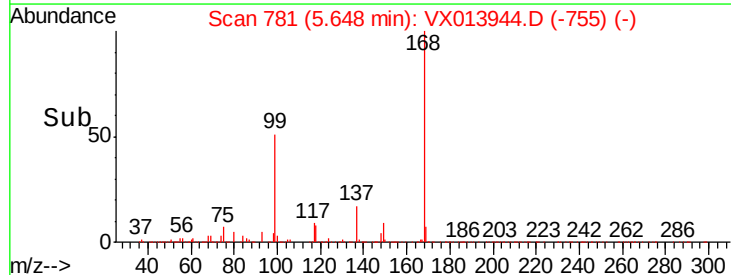
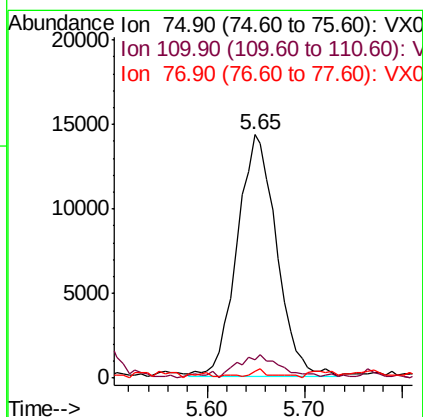
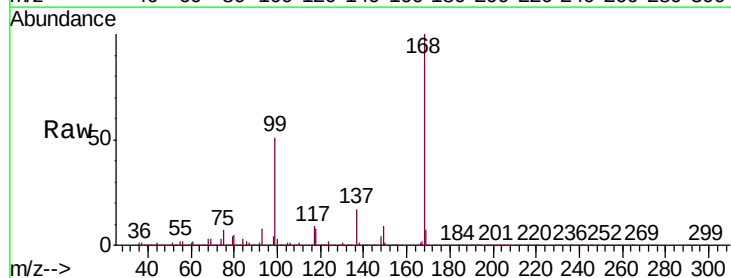
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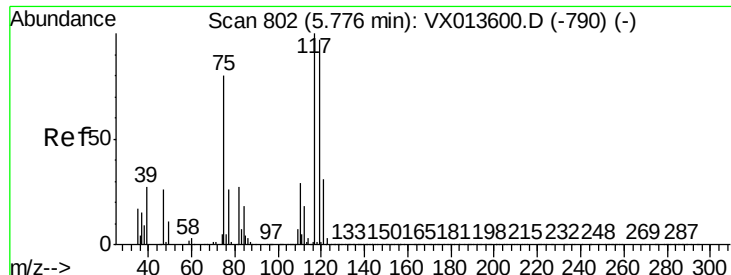
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.6	125.4
192	23.4	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.8	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202

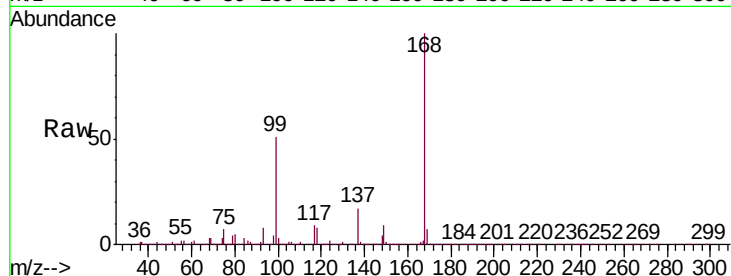
Tgt Ion: 117 Resp: 50377

Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

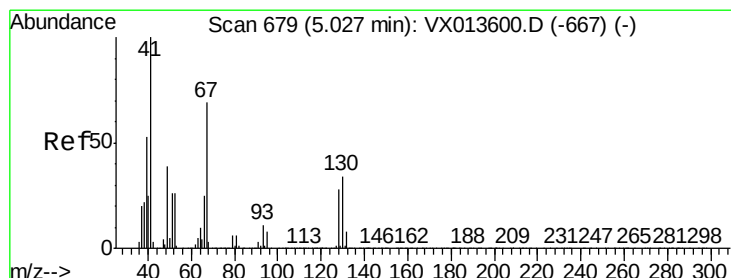
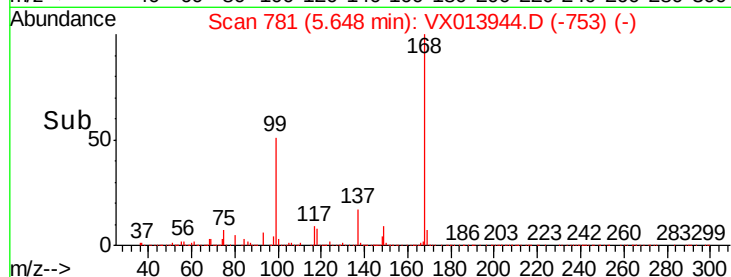
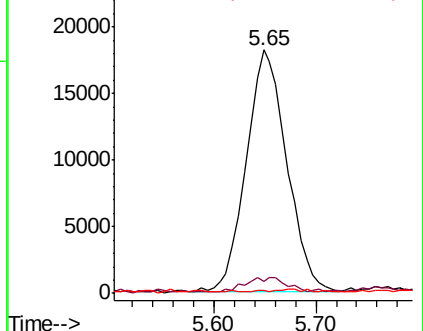
121 0.6 25.0 37.6#



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



#41

Methacrylonitrile

Concen: 0.248 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.03 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Tgt Ion: 41 Resp: 1245

Ion Ratio Lower Upper

41 100

39 25.4 42.9 64.3#

67 32.0 57.4 86.0#

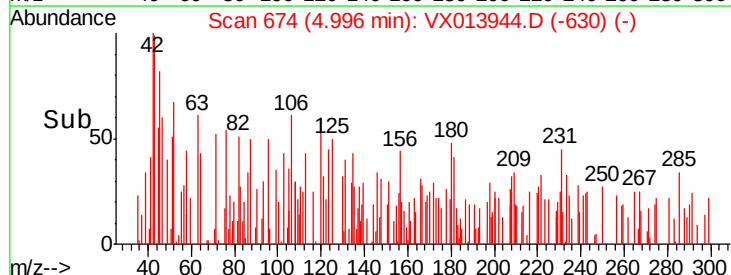
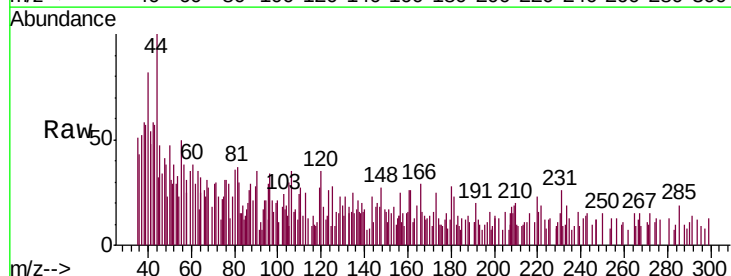
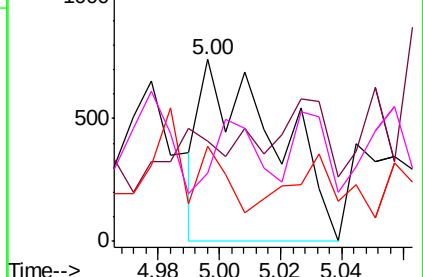
52 23.7 22.4 33.6

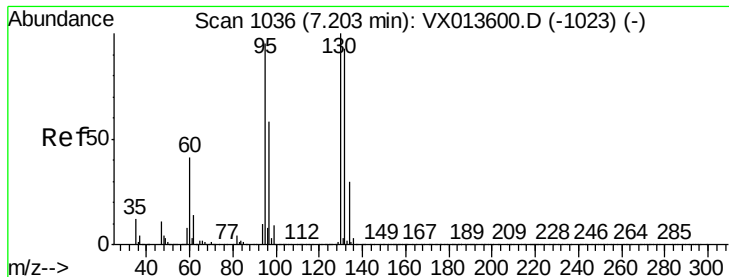
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 15.454 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

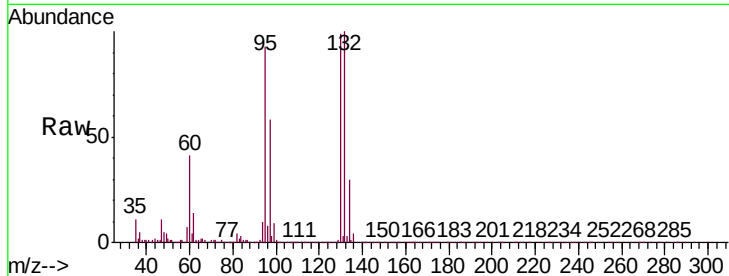
RE134D4-20191202

Tgt Ion:130 Resp: 105287

Ion Ratio Lower Upper

130 100

95 93.8 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

50000

40000

30000

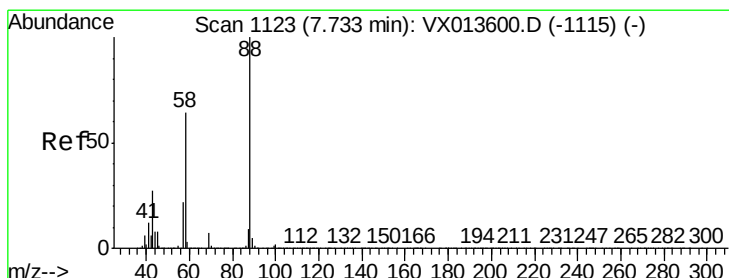
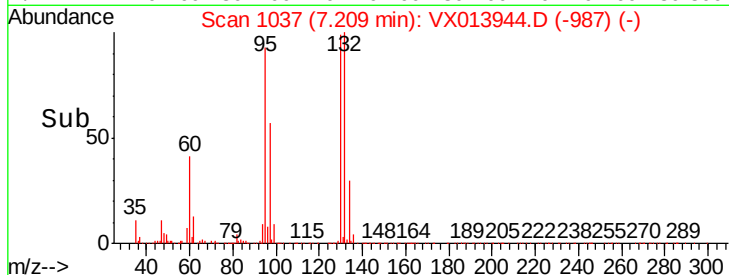
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 4.386 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

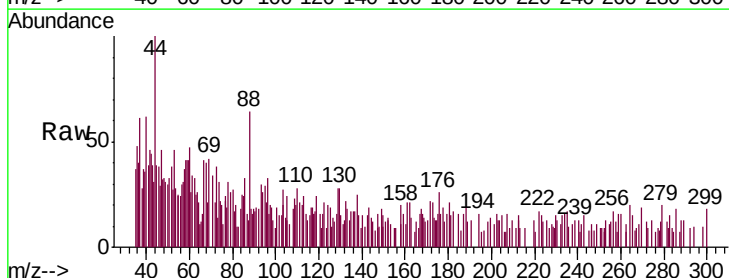
Tgt Ion: 88 Resp: 718

Ion Ratio Lower Upper

88 100

43 88.7 25.8 38.6#

58 43.9 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

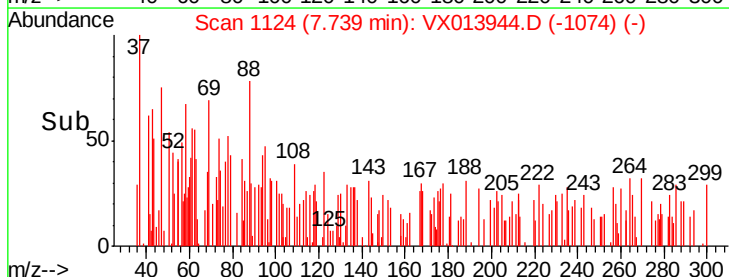
400

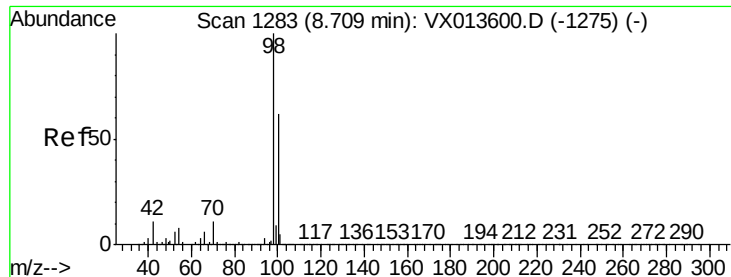
200

0

7.70 7.75 7.80

Time-->

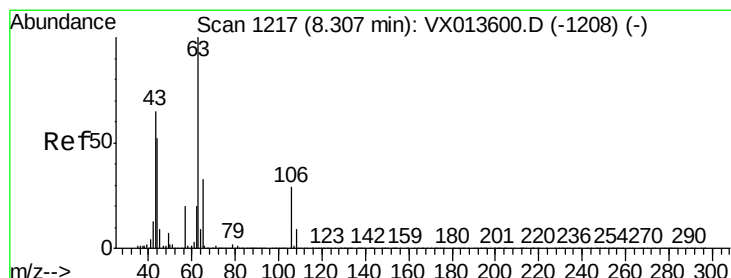
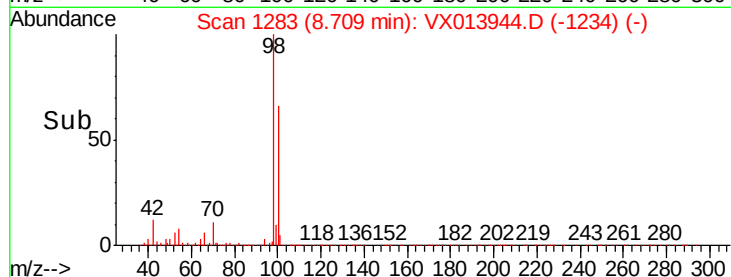
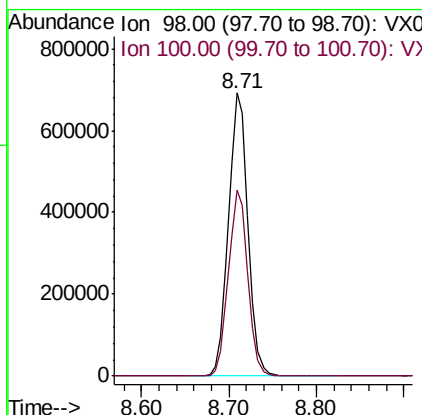
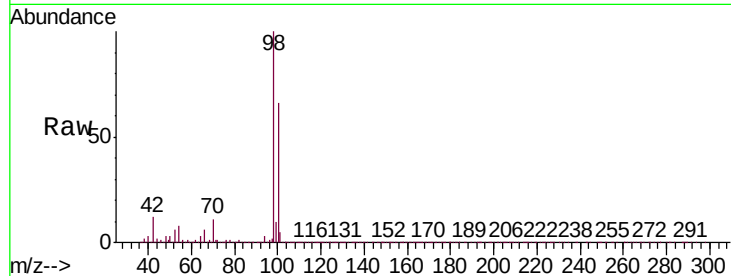




#50
Toluene-d8
Concen: 49.340 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

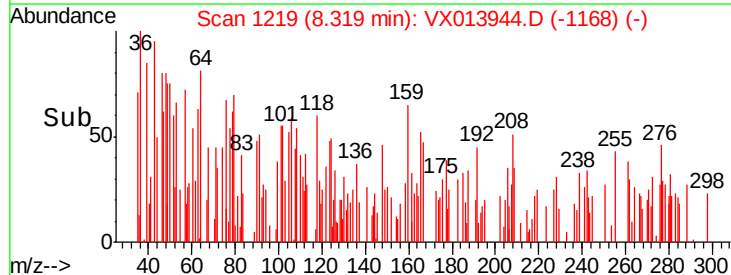
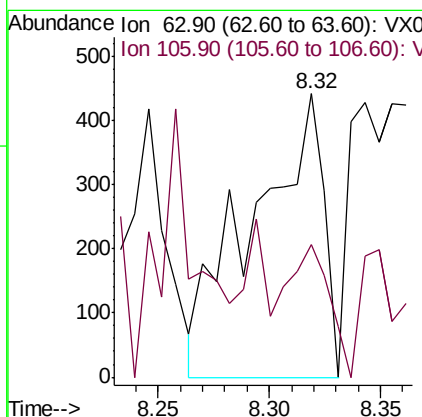
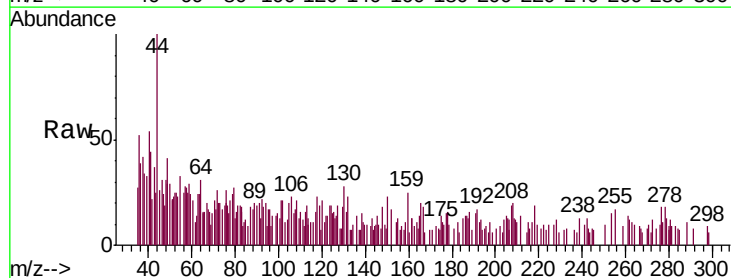
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

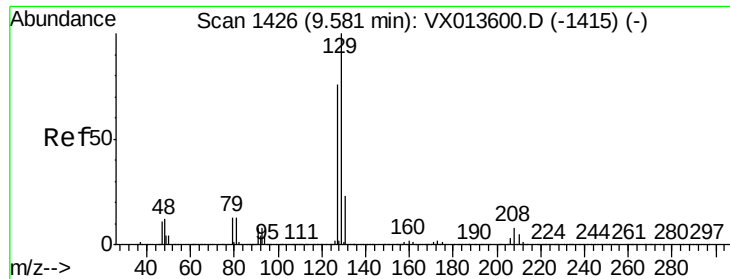
Tgt Ion: 98 Resp: 1067080
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#58
2-Chloroethyl Vinyl ether
Concen: 0.249 ug/l
RT: 8.32 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion: 63 Resp: 977
Ion Ratio Lower Upper
63 100
106 22.7 23.4 35.0#





#60

Dibromochloromethane

Concen: 5.668 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

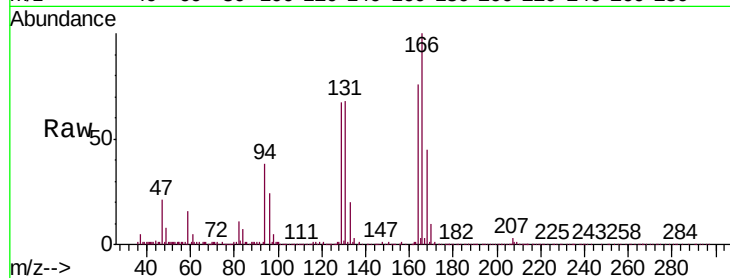
RE134D4-20191202

Tgt Ion:129 Resp: 36555

Ion Ratio Lower Upper

129 100

127 0.7 38.5 115.5#

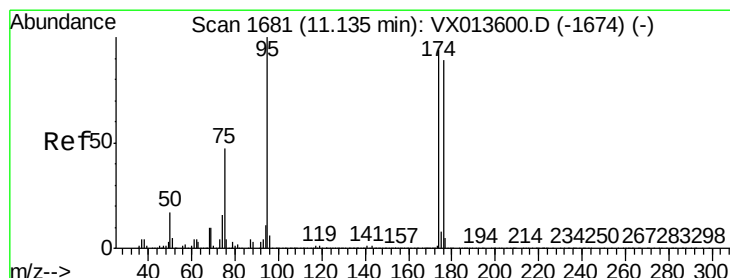
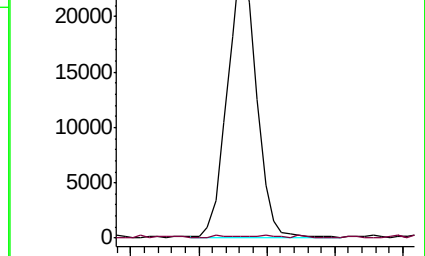
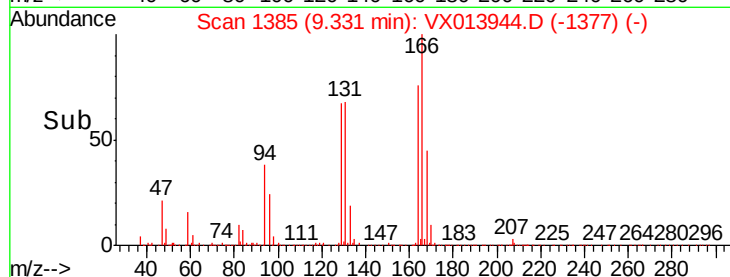


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

Time-->



#62

4-Bromofluorobenzene

Concen: 45.275 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

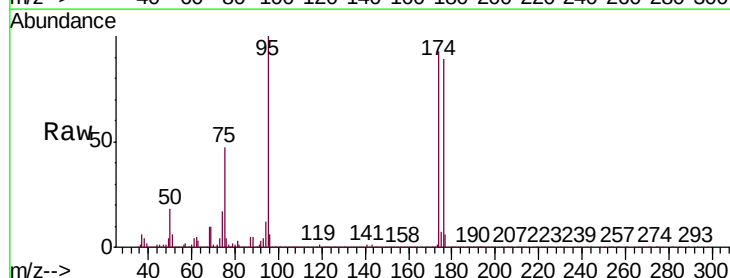
Tgt Ion: 95 Resp: 353088

Ion Ratio Lower Upper

95 100

174 88.9 0.0 180.0

176 86.0 0.0 173.6



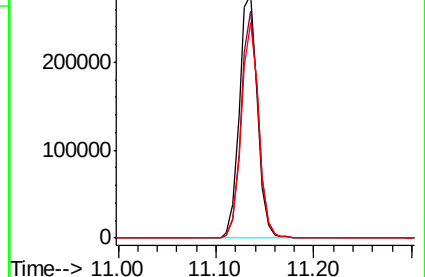
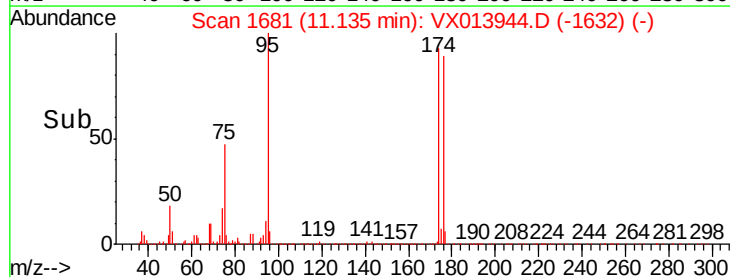
Abundance Ion 94.90 (94.60 to 95.60): VX0

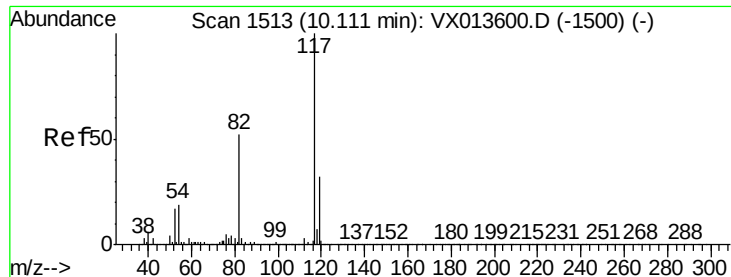
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

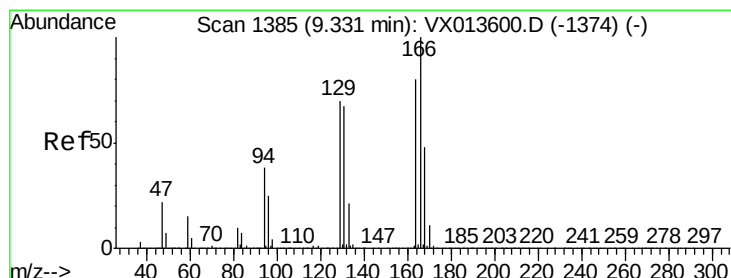
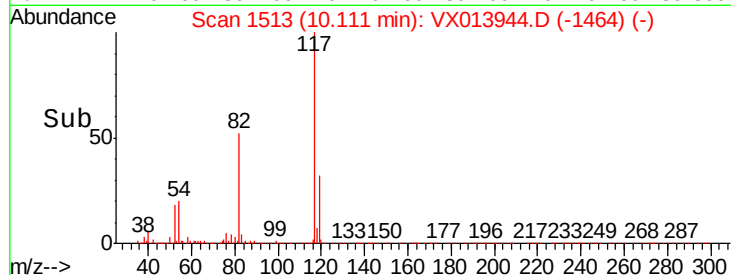
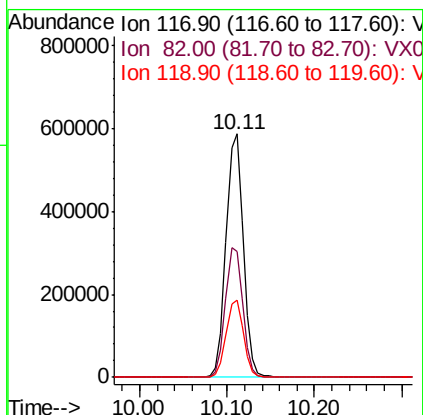
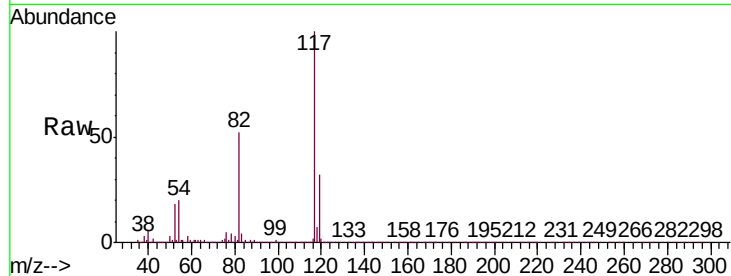




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

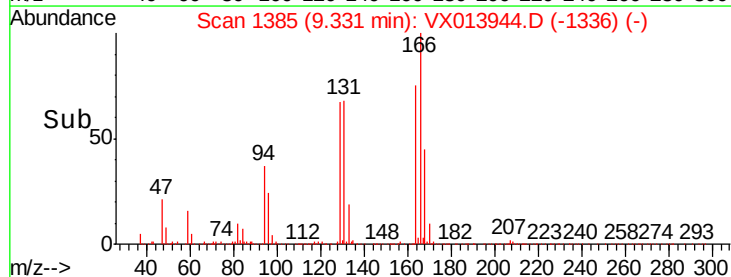
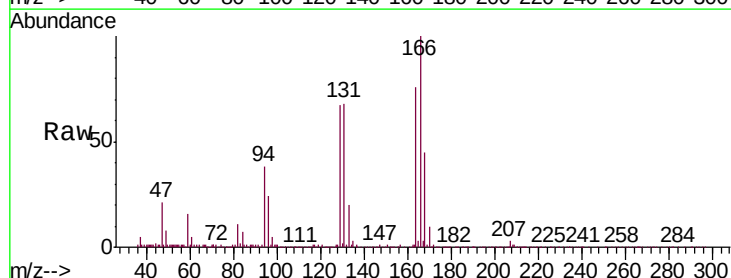
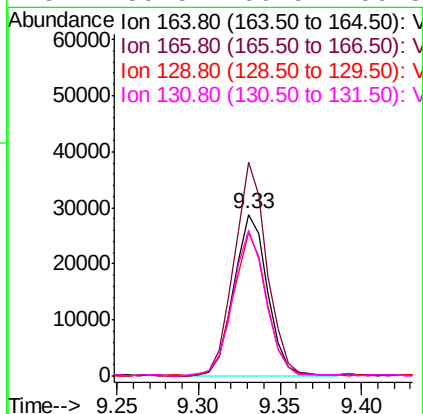
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

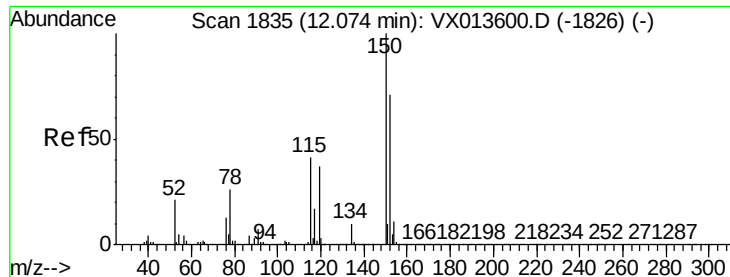
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	31.7	25.8	38.8



#64
Tetrachloroethene
Concen: 6.881 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	99.7	149.5
129	88.6	70.1	105.1
131	89.5	66.9	100.3



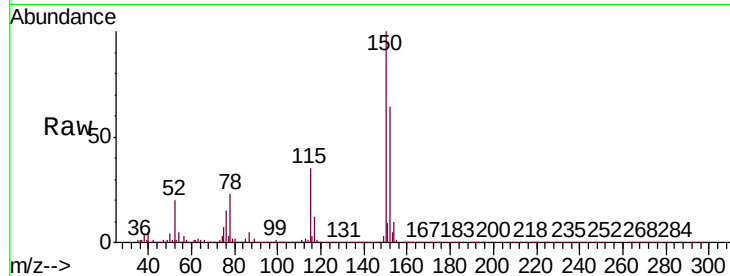


#72

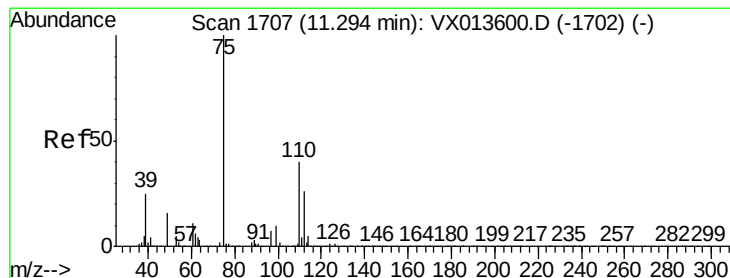
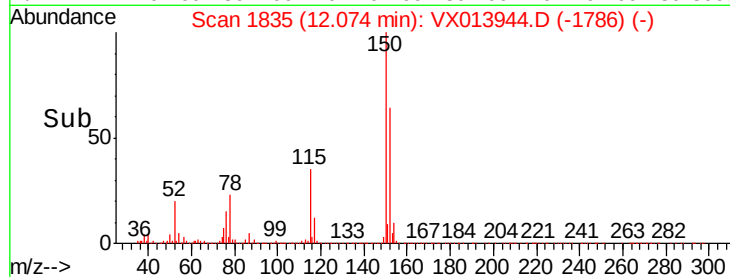
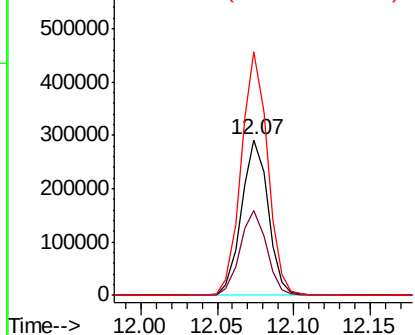
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.4	115.1
150	155.1	0.0	346.8



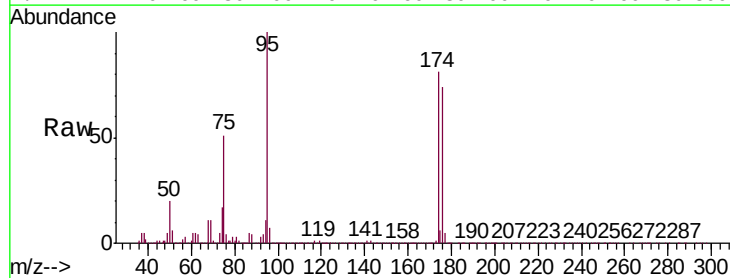
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



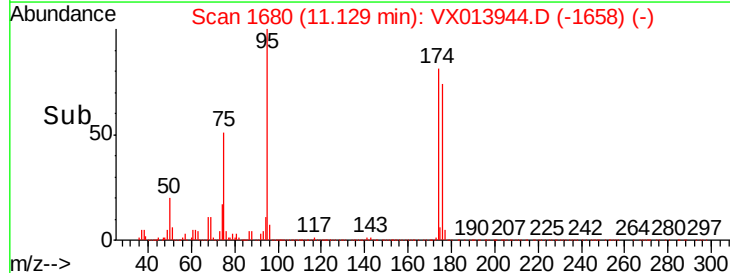
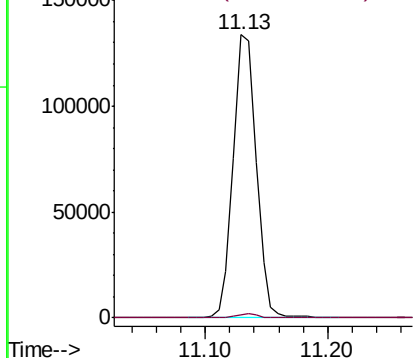
#76

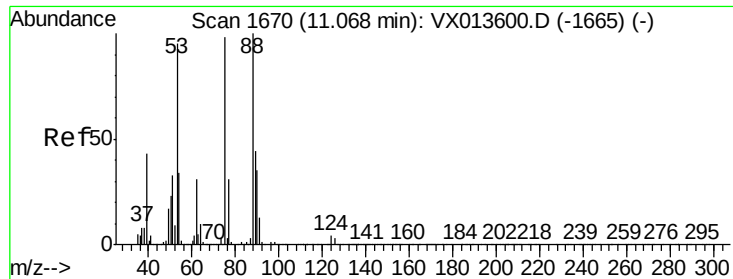
1,2,3-Trichloropropane
Concen: 21.958 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013944.D
Acq: 11 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.1	57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.072 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013944.D

Acq: 11 Dec 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202

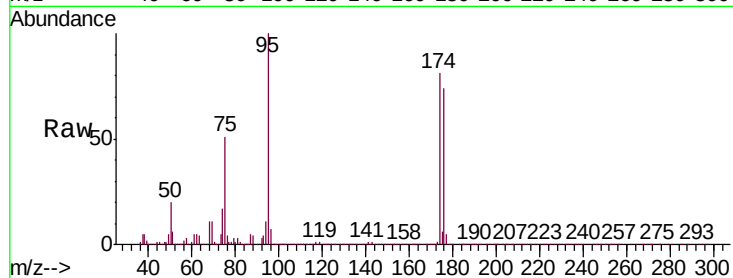
Tgt Ion: 75 Resp: 173397

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

