

Data File : VX013952.D
Acq On : 11 Dec 2019 18:41
Operator : JC/SP
Sample : K6249-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208

Quant Time: Dec 12 04:03:53 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	572847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	874743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337437	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	320786	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.49	113	261446	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.71	98	1035406	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.14	95	341959	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

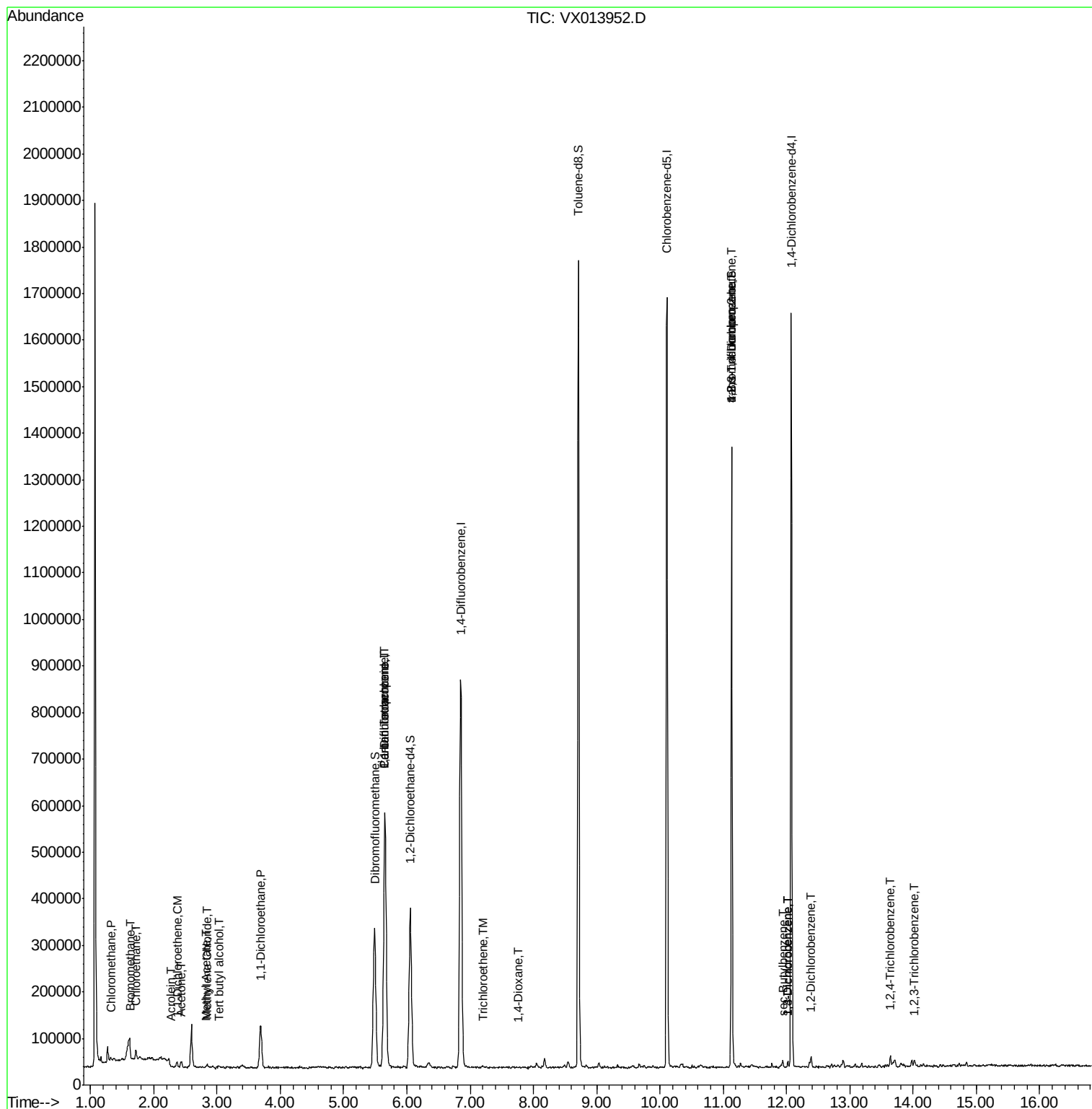
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5182	0.724	ug/l	100
5) Bromomethane	1.64	94	1618	0.299	ug/l	89
6) Chloroethane	1.72	64	13305	2.904	ug/l	93
11) Tert butyl alcohol	3.03	59	3233	1.970	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	4413	0.809	ug/l #	74
13) Acrolein	2.27	56	420	6.377	ug/l #	32
16) Acetone	2.44	43	13727	4.181	ug/l	91
18) Methyl Acetate	2.83	43	3282	0.359	ug/l #	65
20) Methylene Chloride	2.85	84	2064	0.327	ug/l #	80
24) 1,1-Dichloroethane	3.69	63	109216	10.487	ug/l	98
36) 1,1-Dichloropropene	5.65	75	37082	4.670	ug/l #	48
38) Carbon Tetrachloride	5.65	117	49693	6.787	ug/l #	16
44) Trichloroethene	7.22	130	2228	0.336	ug/l	79
49) 1,4-Dioxane	7.75	88	409	2.564	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	166029	21.876	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	166029	59.849	ug/l #	11
85) sec-Butylbenzene	11.94	105	8754	0.389	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	4595	0.412	ug/l	90
88) 1,4-Dichlorobenzene	12.02	146	4595	0.405	ug/l	89
91) 1,2-Dichlorobenzene	12.38	146	7983	0.725	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	5983	0.779	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.01	180	2754	0.362	ug/l #	57

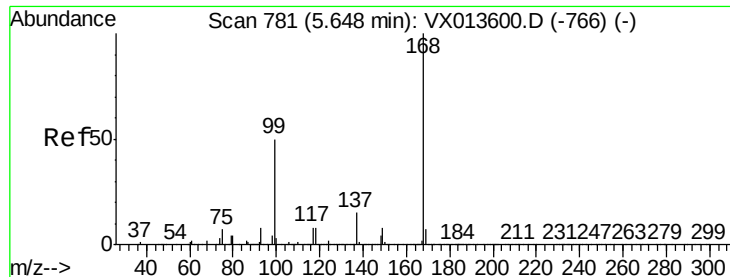
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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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: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

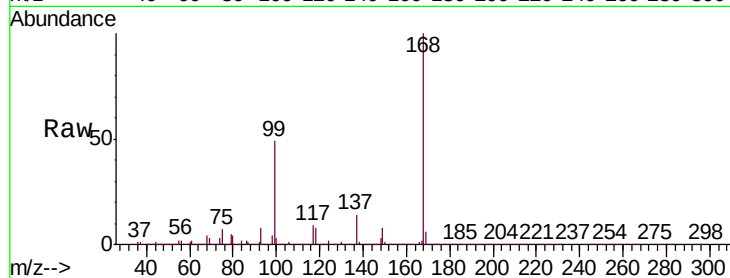
SA-PZ187I-20191208

Tgt Ion:168 Resp: 572847

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

200000

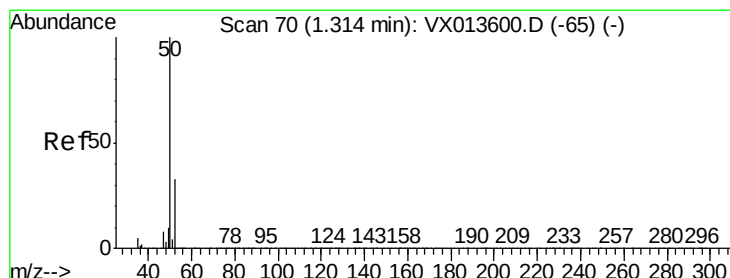
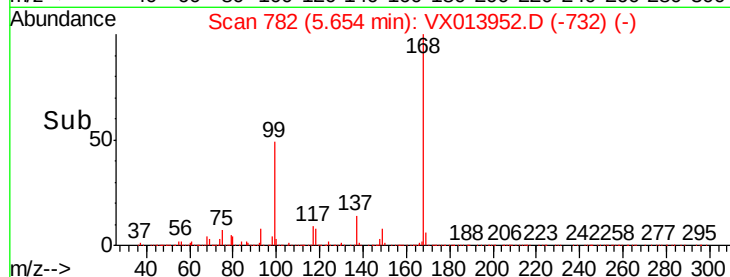
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.724 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013952.D

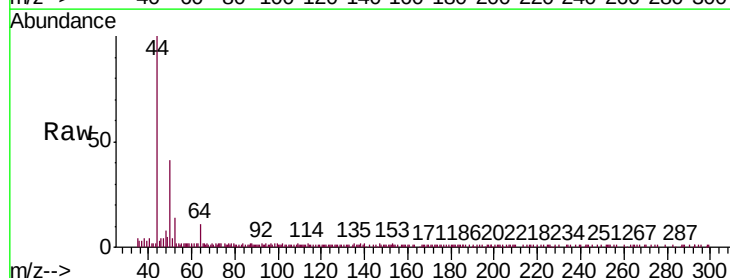
Acq: 11 Dec 2019 18:41

Tgt Ion: 50 Resp: 5182

Ion Ratio Lower Upper

50 100

52 32.3 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

6000

5000

4000

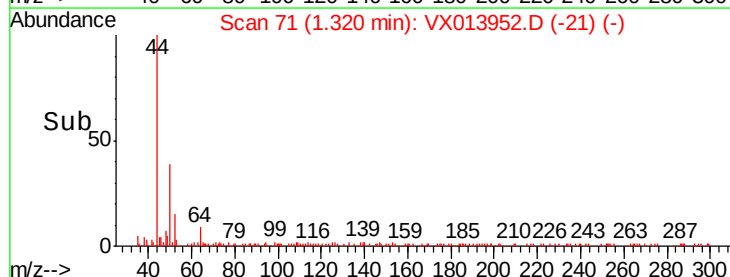
3000

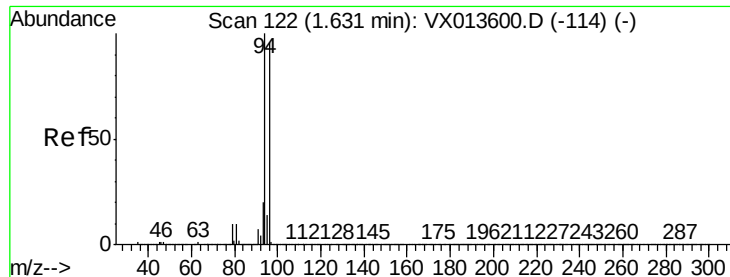
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.299 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

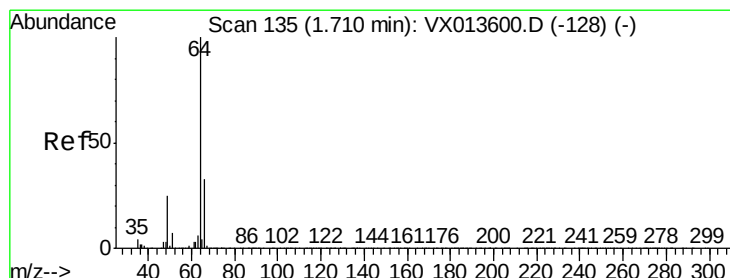
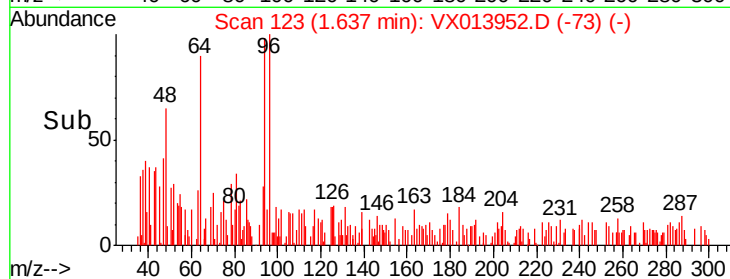
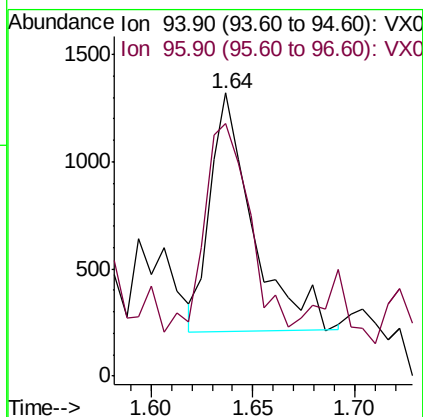
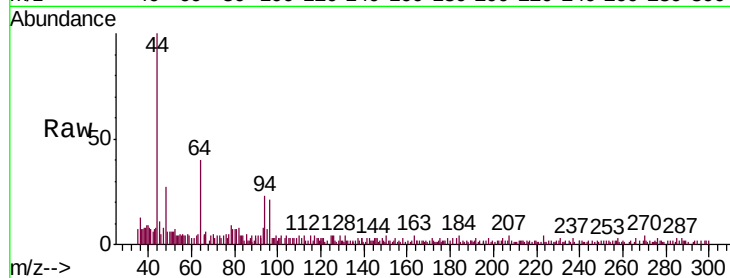
SA-PZ187I-20191208

Tgt Ion: 94 Resp: 1618

Ion Ratio Lower Upper

94 100

96 85.9 77.0 115.4



#6

Chloroethane

Concen: 2.904 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013952.D

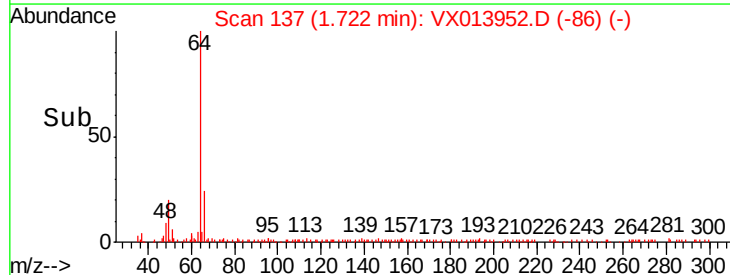
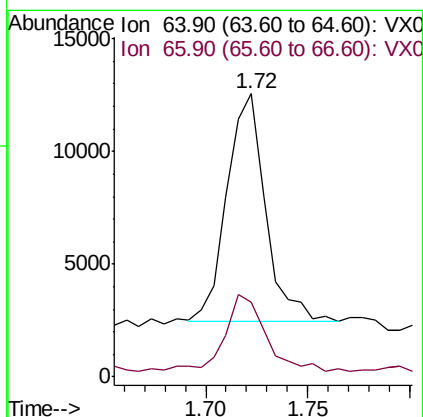
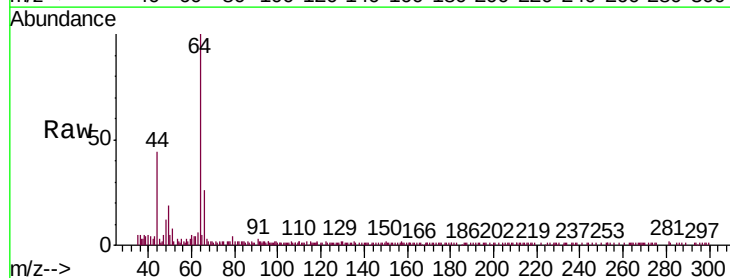
Acq: 11 Dec 2019 18:41

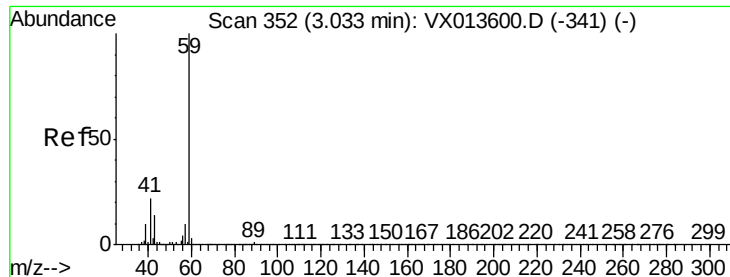
Tgt Ion: 64 Resp: 13305

Ion Ratio Lower Upper

64 100

66 29.1 26.7 40.1



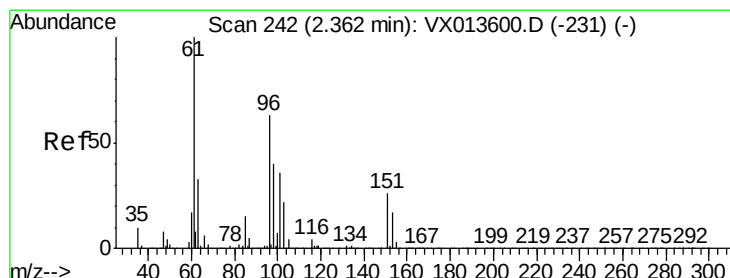
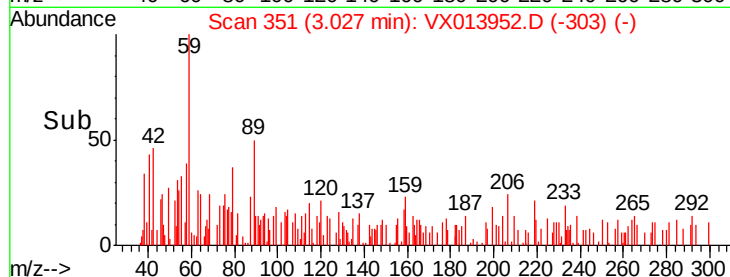
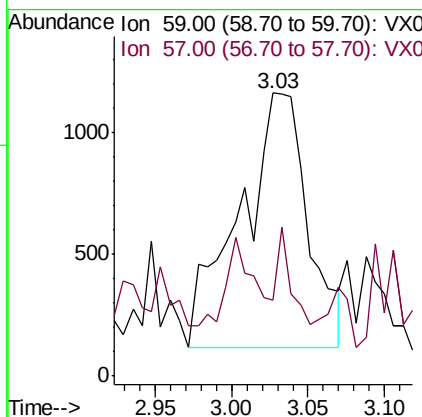
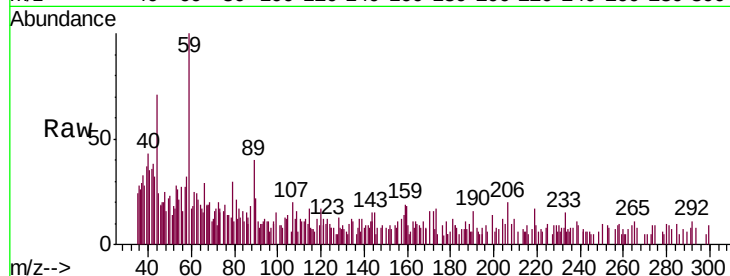


#11

Tert butyl alcohol
Concen: 1.970 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208

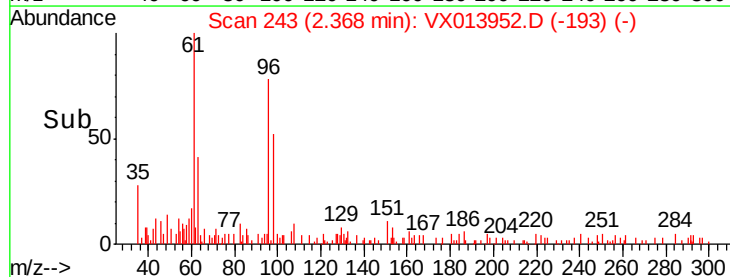
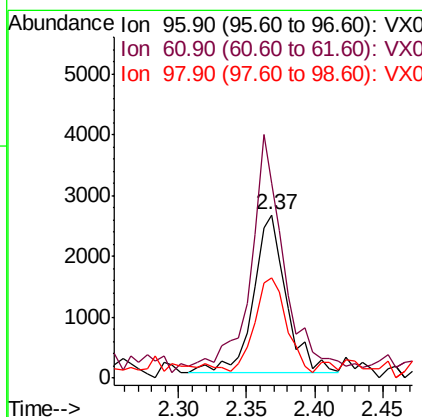
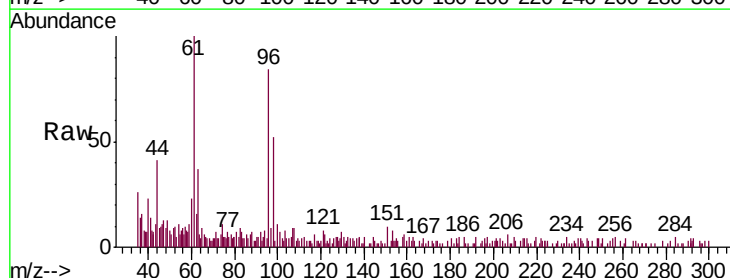
Tgt Ion: 59 Resp: 3233
Ion Ratio Lower Upper
59 100
57 12.3 7.8 11.6#

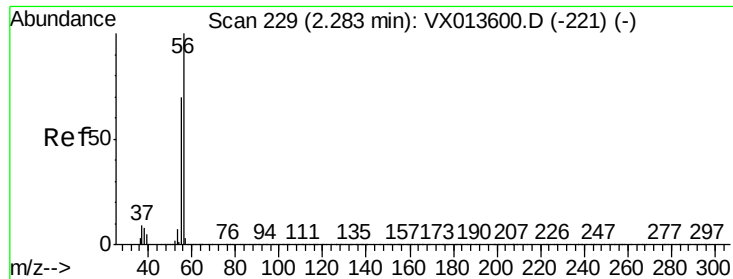


#12

1,1-Dichloroethene
Concen: 0.809 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Tgt Ion: 96 Resp: 4413
Ion Ratio Lower Upper
96 100
61 115.8 126.6 190.0#
98 55.7 50.6 76.0

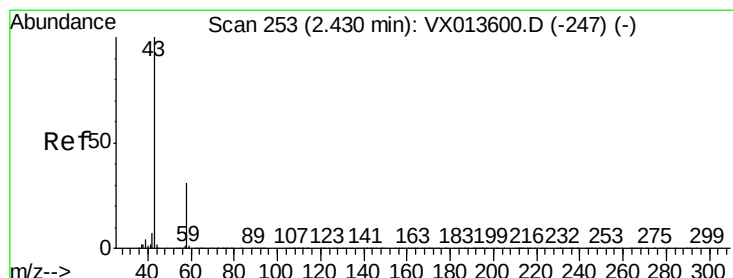
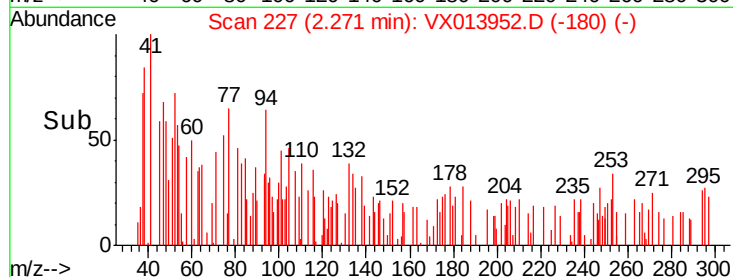
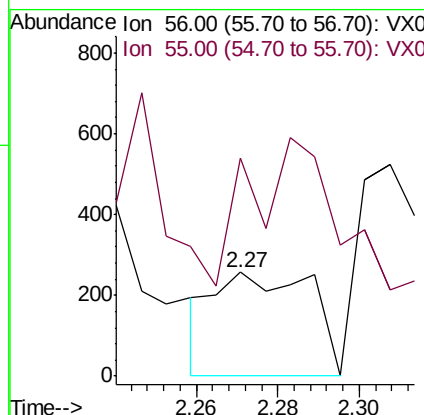
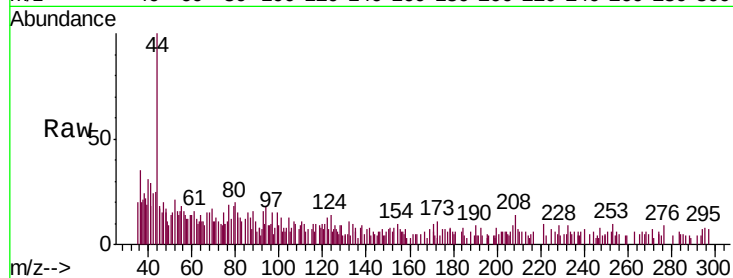




#13
Acrolein
Concen: 6.377 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

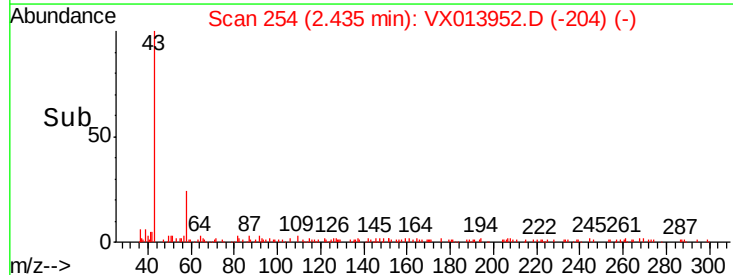
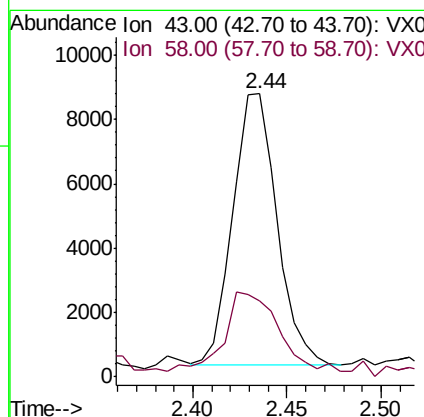
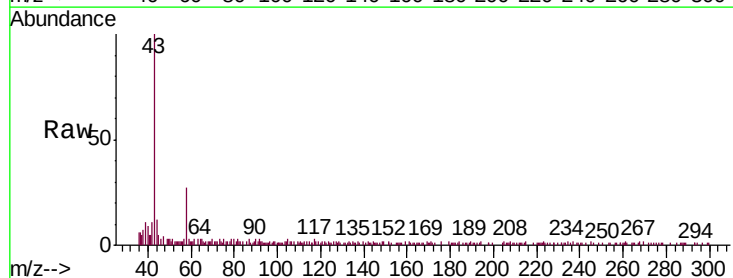
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208

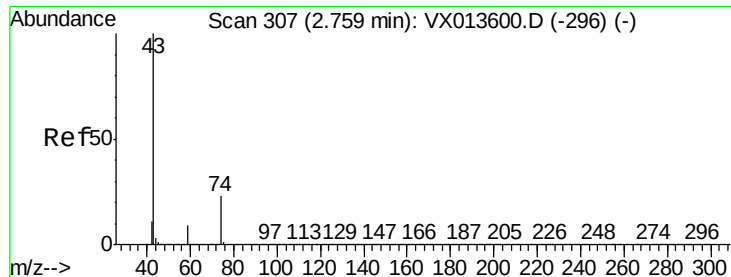
Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 126.4 56.2 84.4#



#16
Acetone
Concen: 4.181 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Tgt Ion: 43 Resp: 13727
Ion Ratio Lower Upper
43 100
58 26.0 24.6 36.8

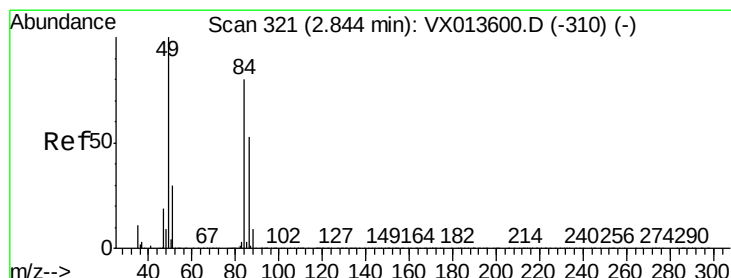
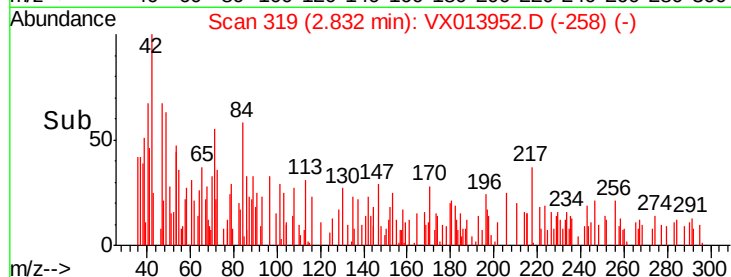
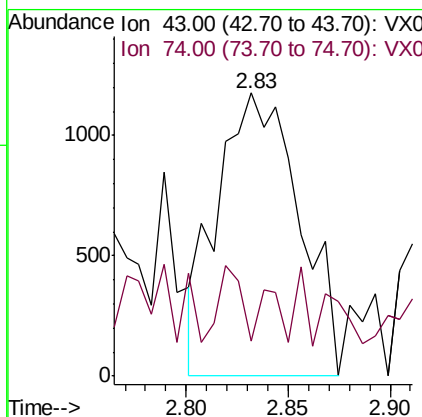
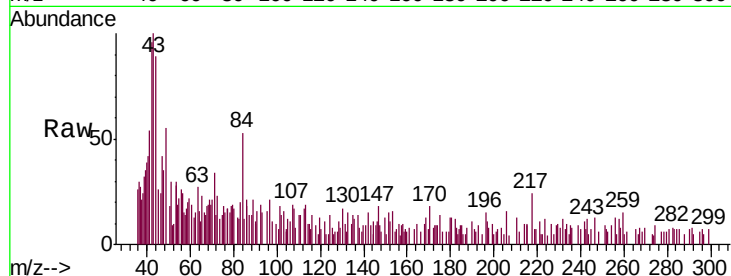




#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

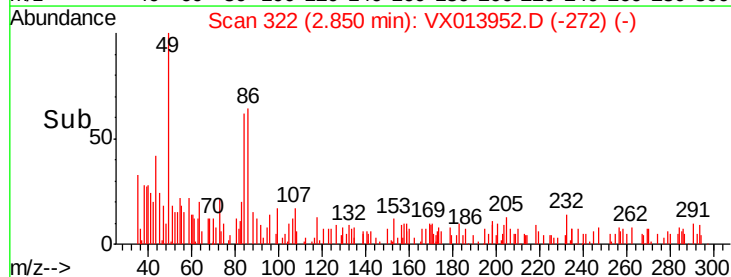
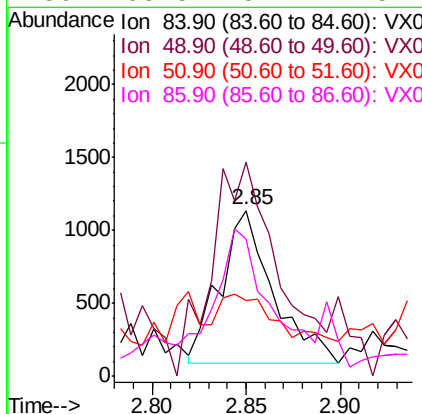
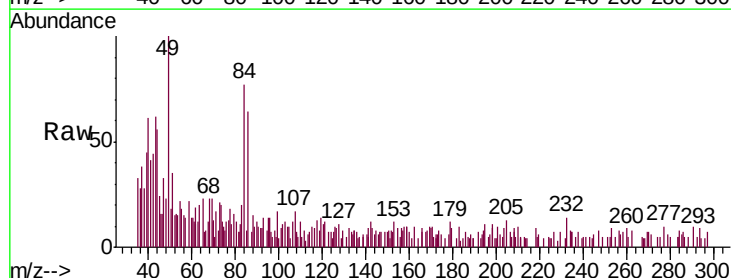
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208

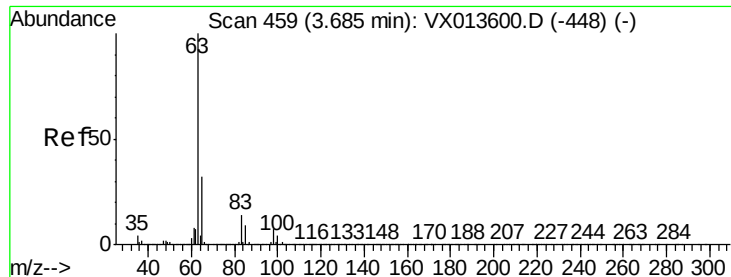
Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
74 7.3 19.5 29.3#



#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Tgt Ion: 84 Resp: 2064
Ion Ratio Lower Upper
84 100
49 89.0 99.7 149.5#
51 26.3 29.9 44.9#
86 65.5 52.2 78.4





#24

1,1-Dichloroethane

Concen: 10.487 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208

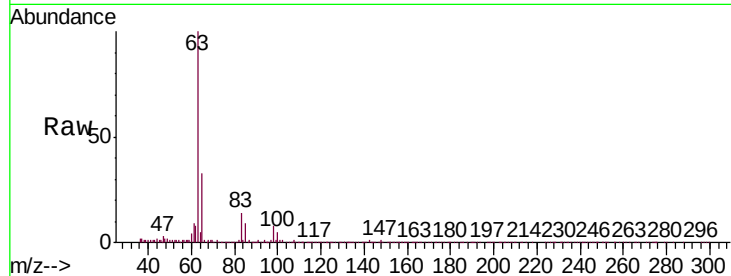
Tgt Ion: 63 Resp: 109216

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

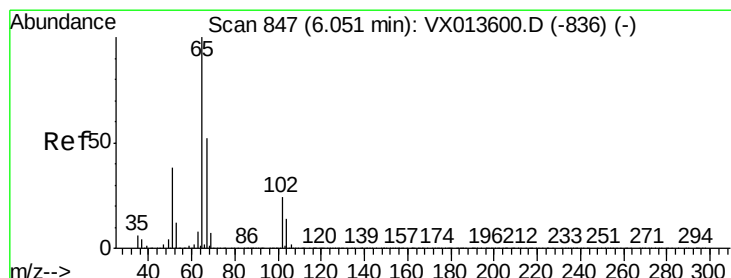
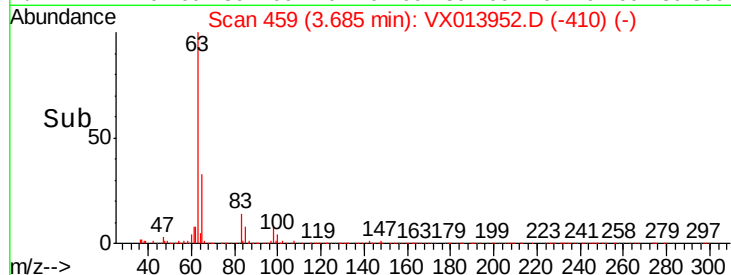
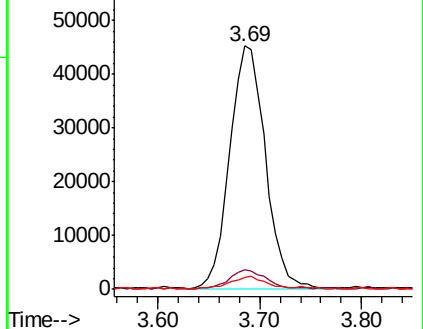
100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.242 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013952.D

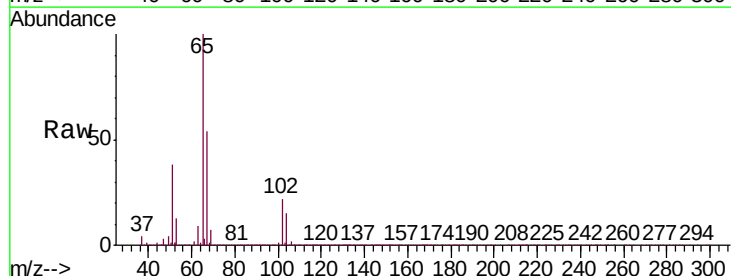
Acq: 11 Dec 2019 18:41

Tgt Ion: 65 Resp: 320786

Ion Ratio Lower Upper

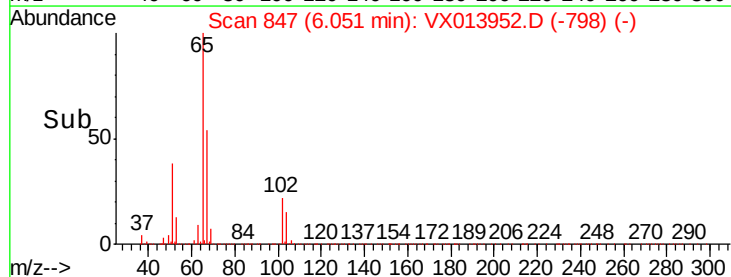
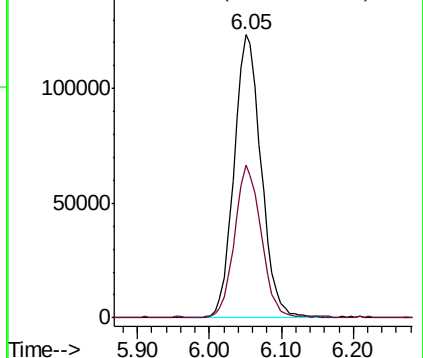
65 100

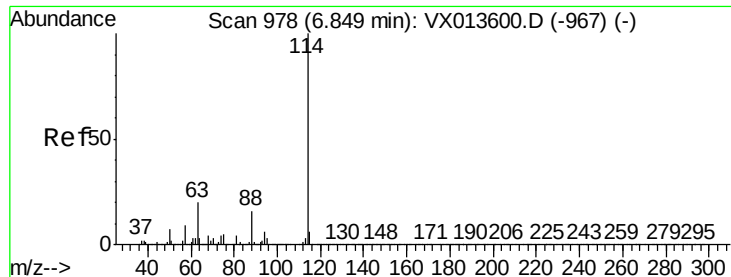
67 53.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

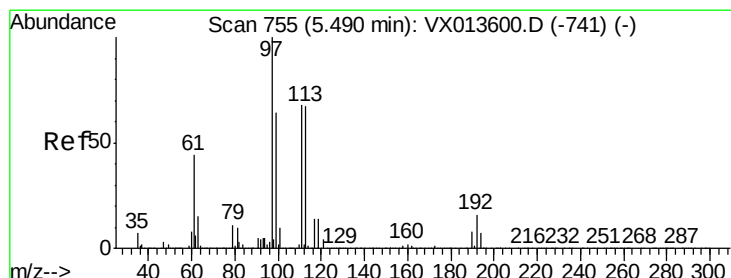
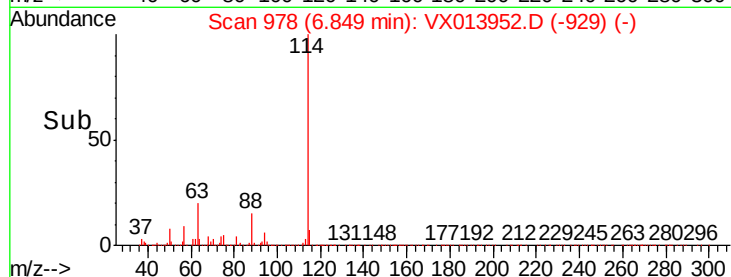
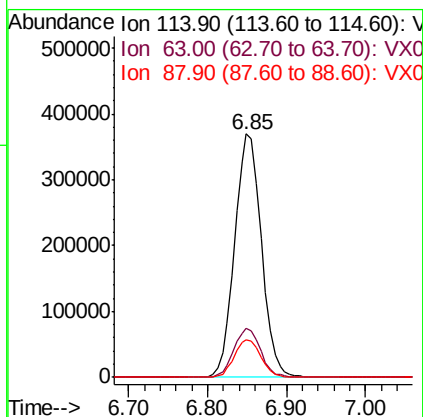
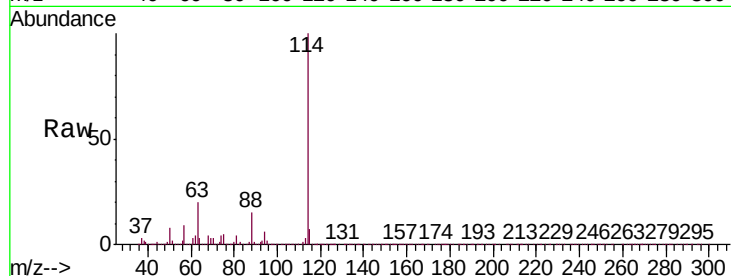




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

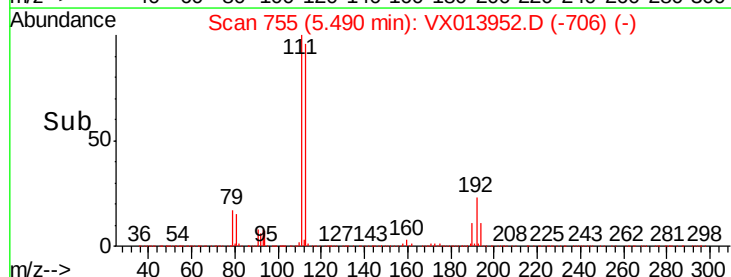
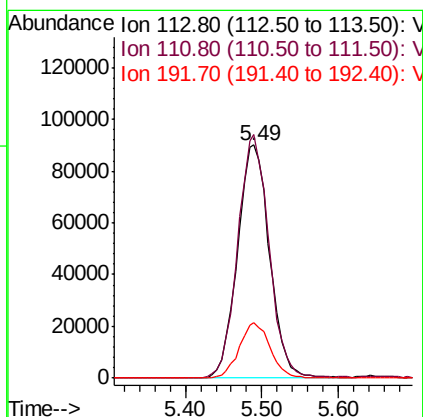
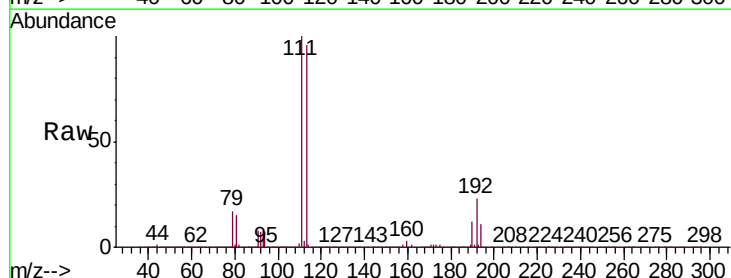
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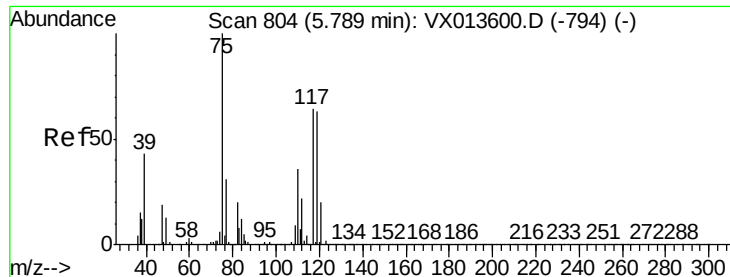
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	15.2	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 48.346 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.6	125.4
192	23.1	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208

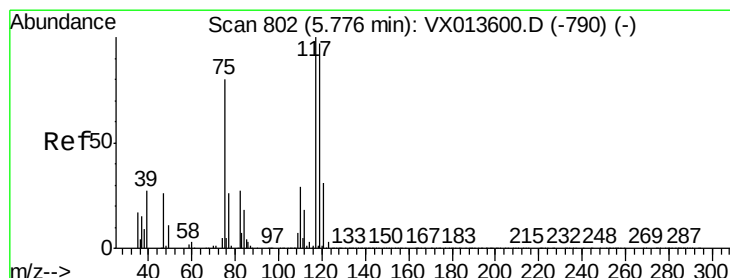
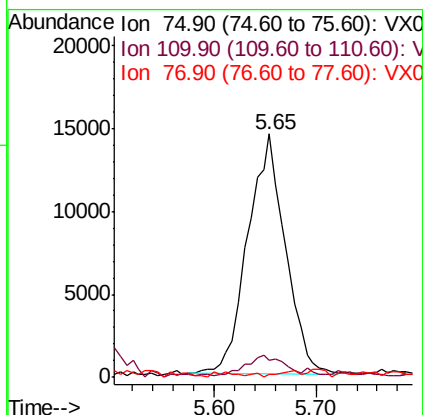
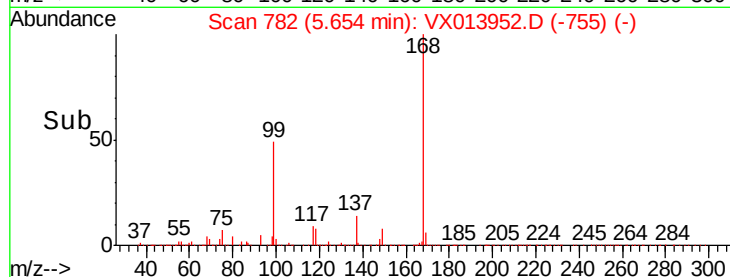
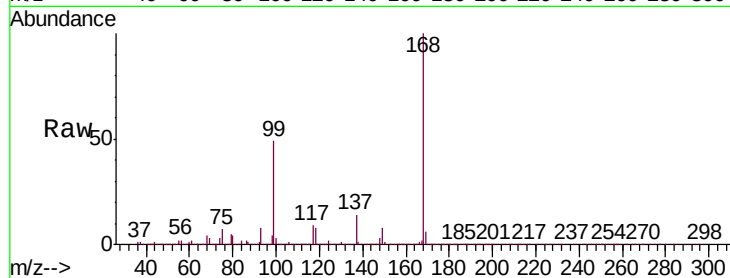
Tgt Ion: 75 Resp: 37082

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.787 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

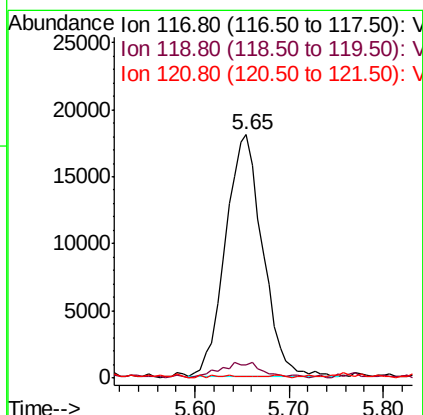
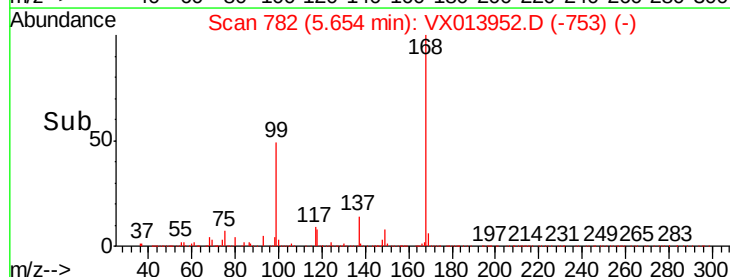
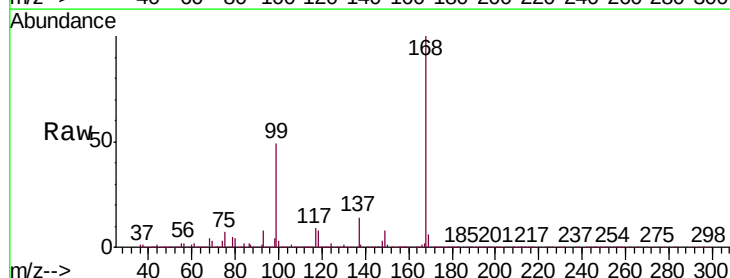
Tgt Ion: 117 Resp: 49693

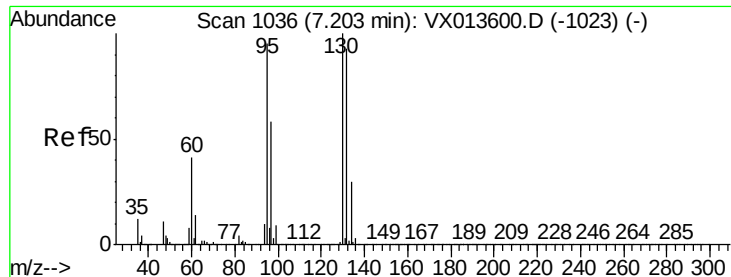
Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

121 0.6 25.0 37.6#





#44

Trichloroethene

Concen: 0.336 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

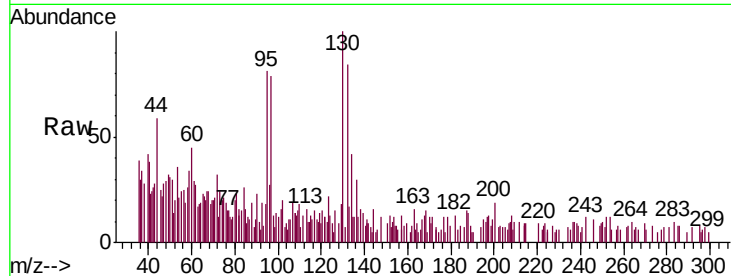
SA-PZ187I-20191208

Tgt Ion:130 Resp: 2228

Ion Ratio Lower Upper

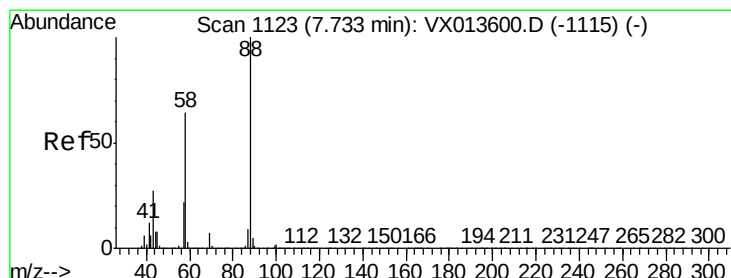
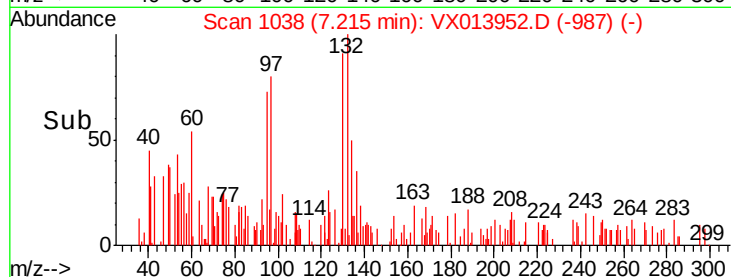
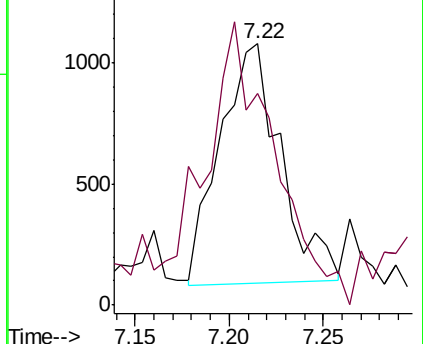
130 100

95 75.2 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: 2.564 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

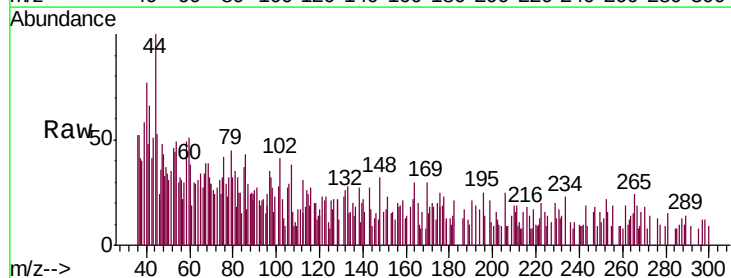
Tgt Ion: 88 Resp: 409

Ion Ratio Lower Upper

88 100

43 166.0 25.8 38.6#

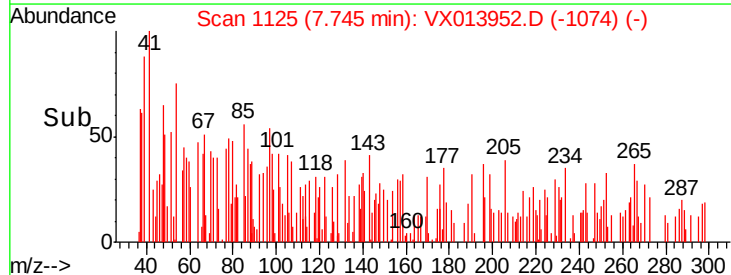
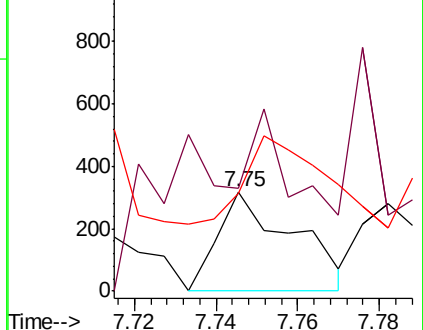
58 115.6 54.6 82.0#

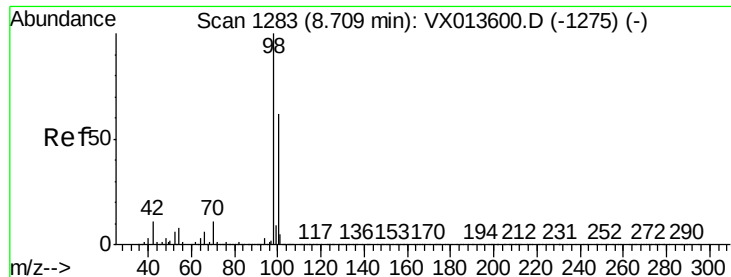


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

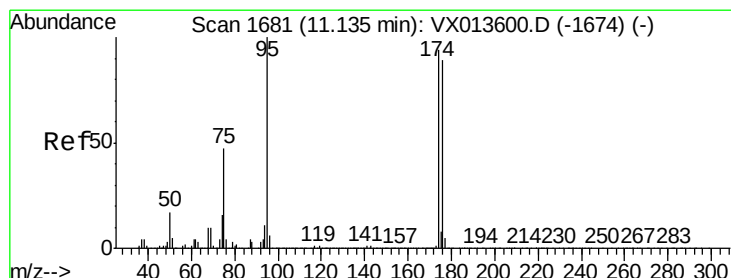
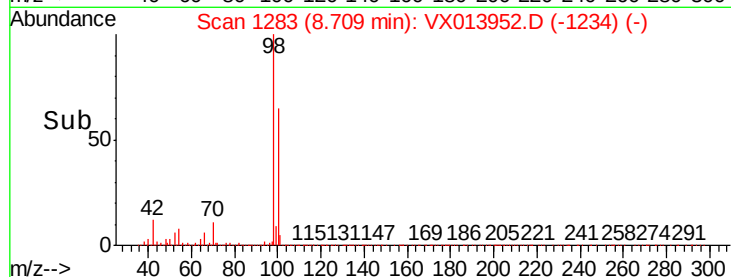
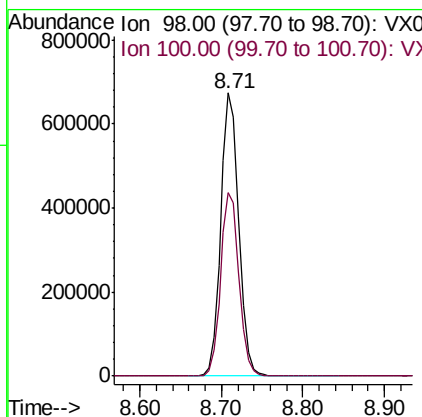
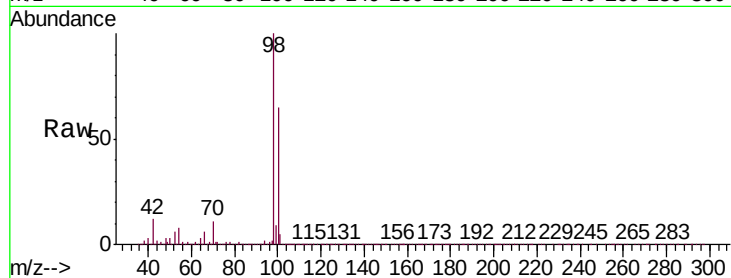




#50
Toluene-d8
Concen: 49.143 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

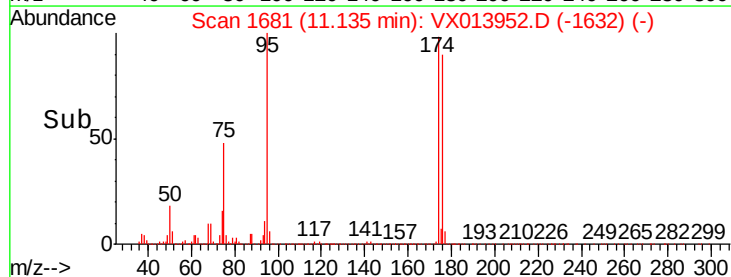
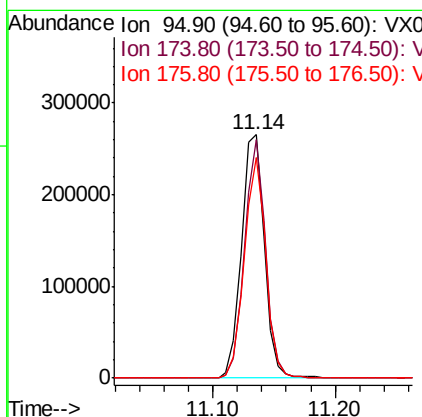
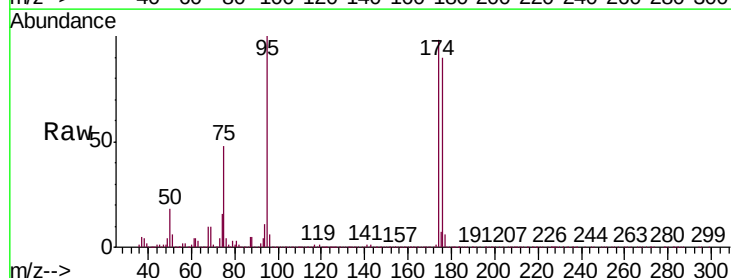
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208

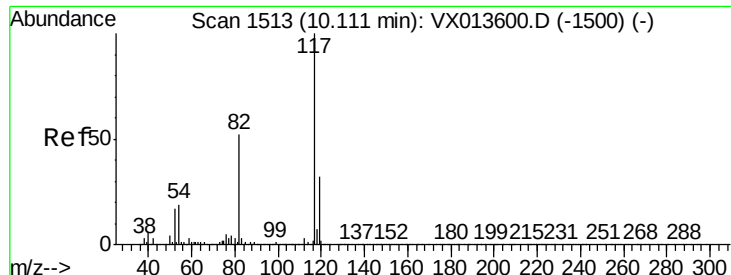
Tgt Ion: 98 Resp: 1035406
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.009 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Tgt Ion: 95 Resp: 341959
Ion Ratio Lower Upper
95 100
174 90.4 0.0 180.0
176 85.8 0.0 173.6

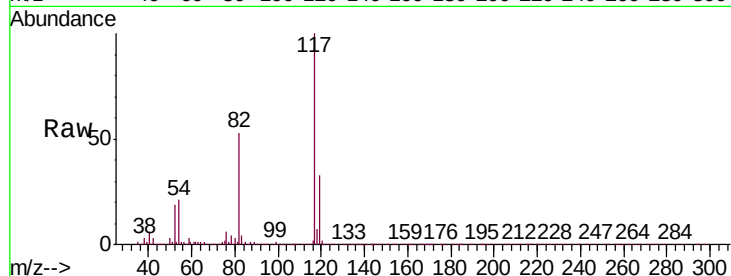




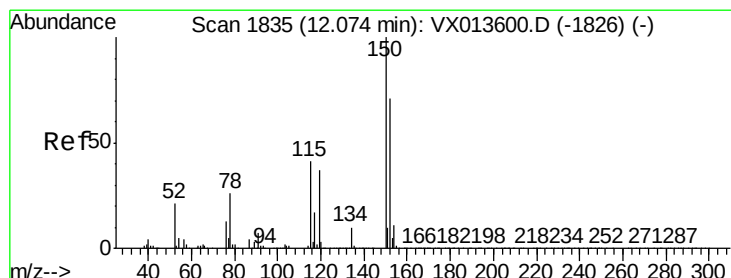
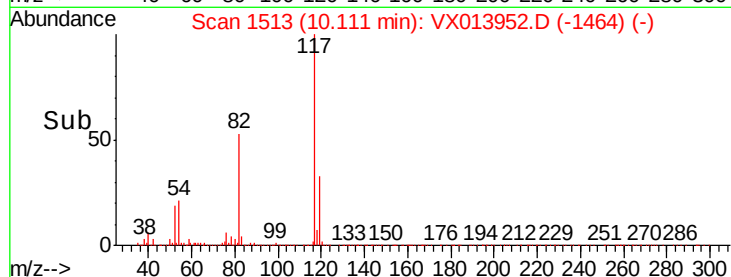
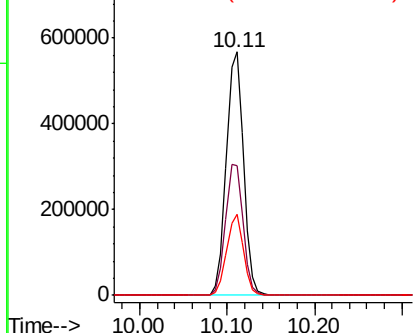
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.8	62.8
119	33.1	25.8	38.8

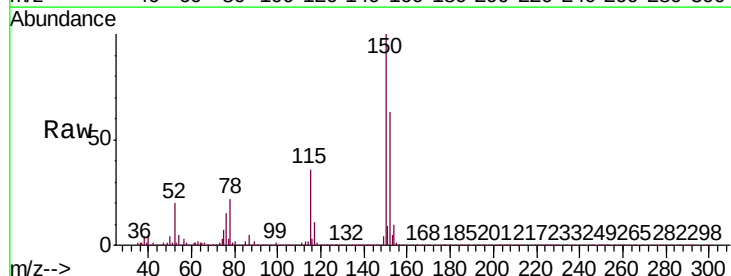


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

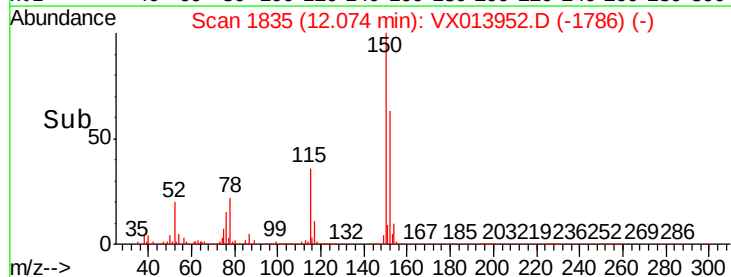
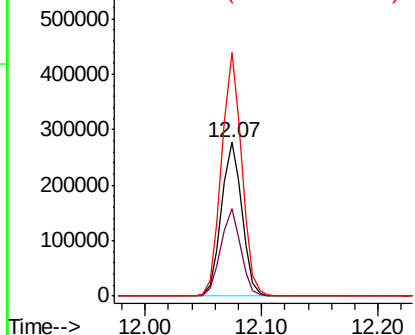


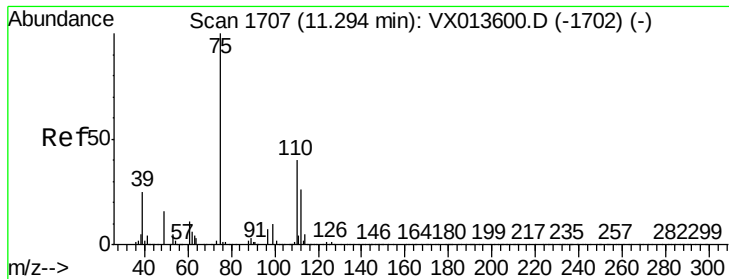
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013952.D
Acq: 11 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	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: 21.876 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

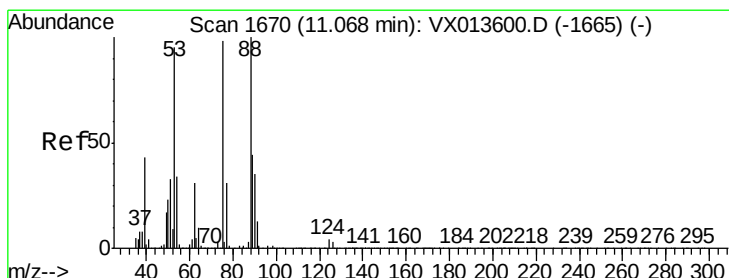
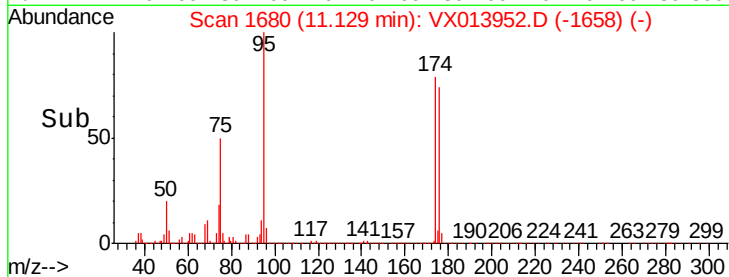
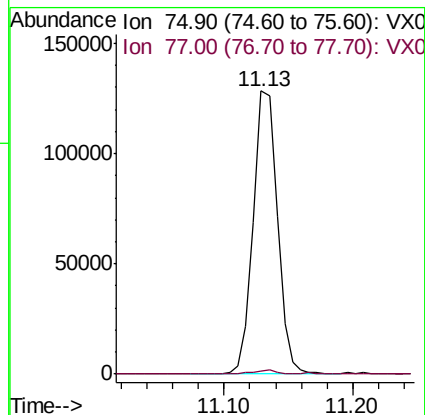
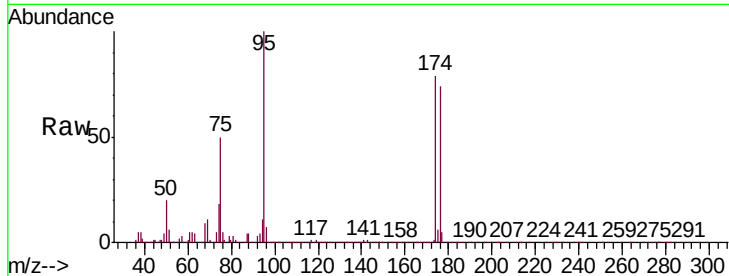
SA-PZ187I-20191208

Tgt Ion: 75 Resp: 166029

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.849 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

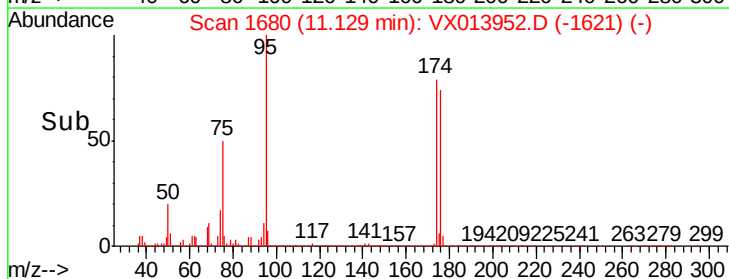
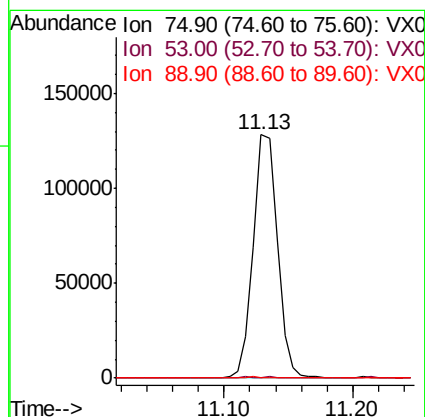
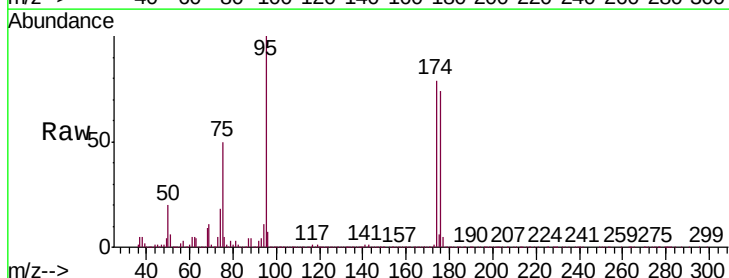
Tgt Ion: 75 Resp: 166029

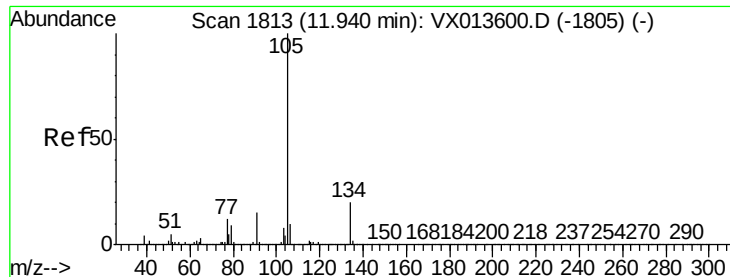
Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.8 35.4 53.2#





#85

sec-Butylbenzene

Concen: 0.389 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

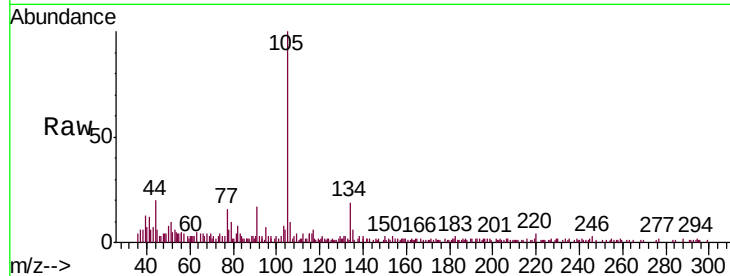
SA-PZ1871-20191208

Tgt Ion:105 Resp: 8754

Ion Ratio Lower Upper

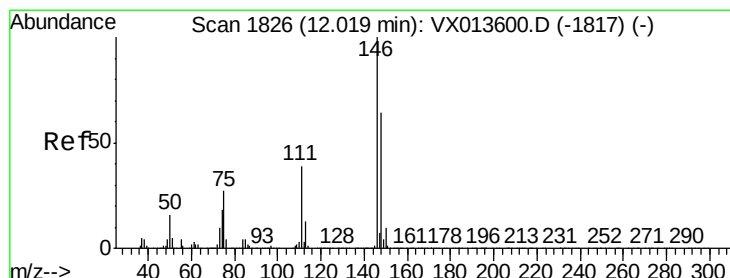
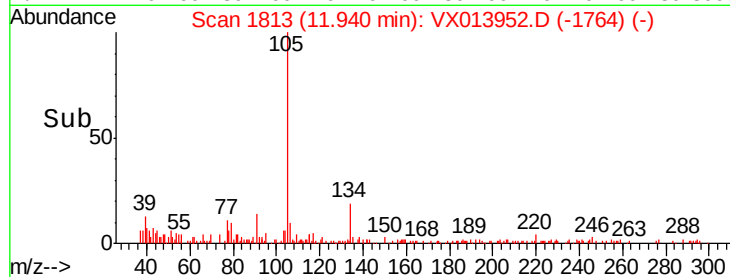
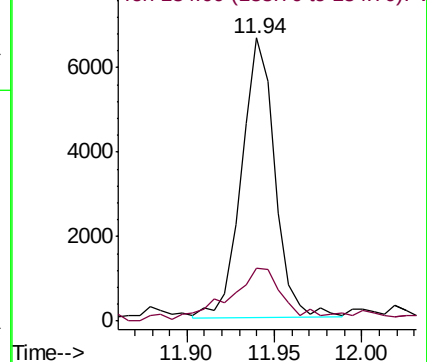
105 100

134 28.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.412 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013952.D

Acq: 11 Dec 2019 18:41

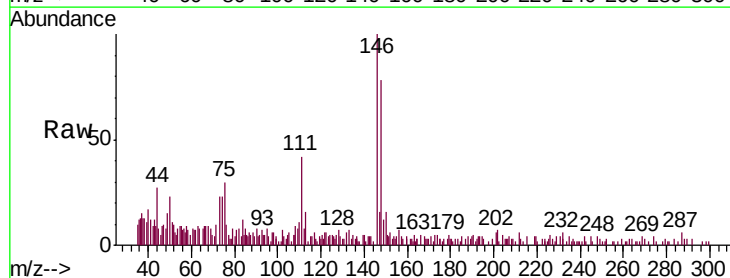
Tgt Ion:146 Resp: 4595

Ion Ratio Lower Upper

146 100

111 40.8 19.0 57.0

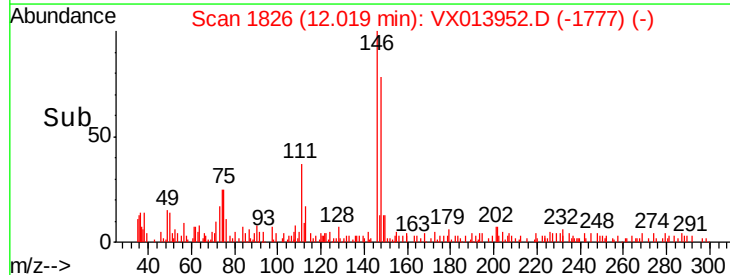
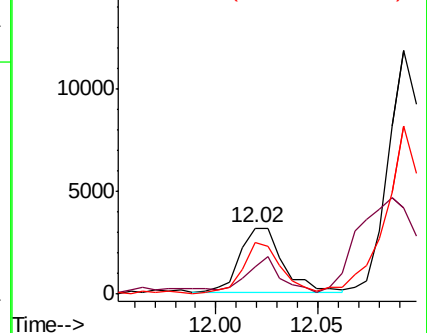
148 73.4 31.8 95.4

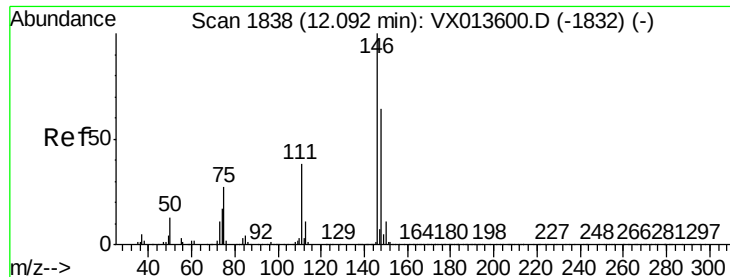


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

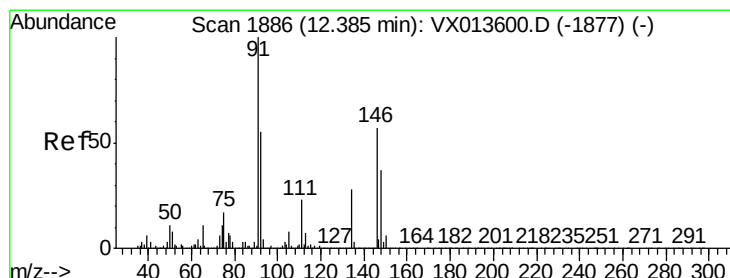
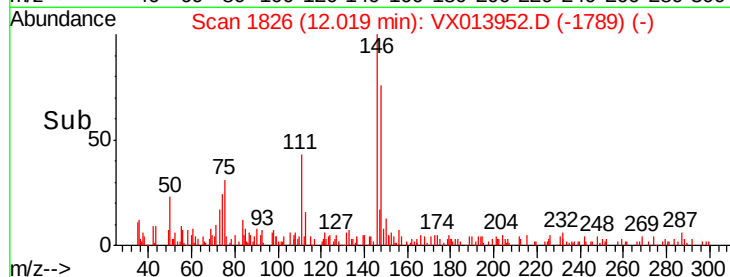
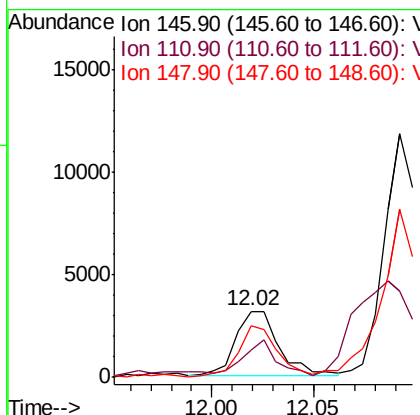
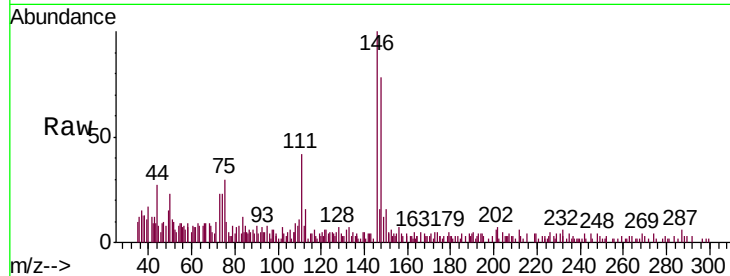




#88
 1,4-Dichlorobenzene
 Concen: 0.405 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.07 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

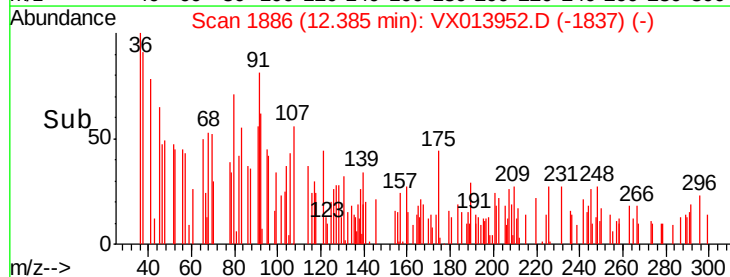
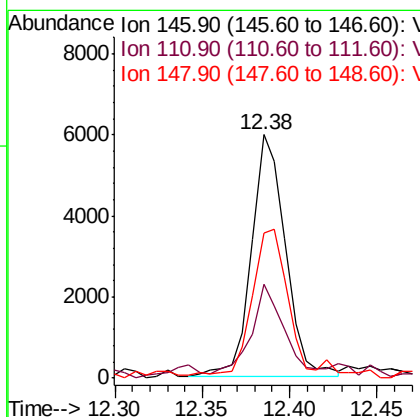
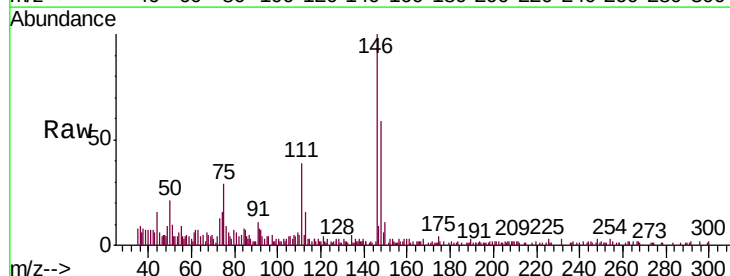
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208

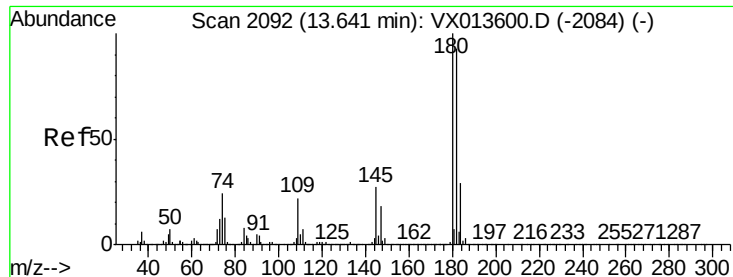
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.9	56.9
148	73.4	31.9	95.5



#91
 1,2-Dichlorobenzene
 Concen: 0.725 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.6	58.7
148	61.6	31.9	95.7

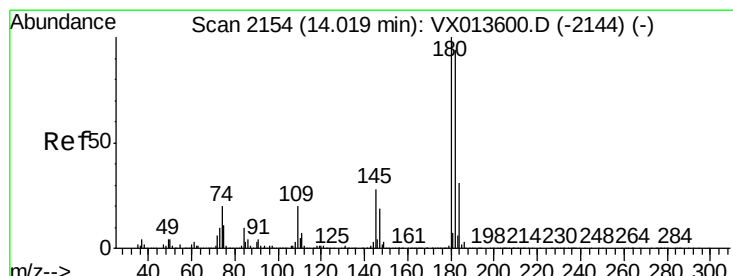
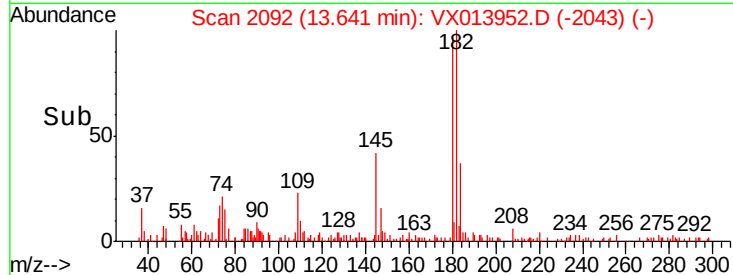
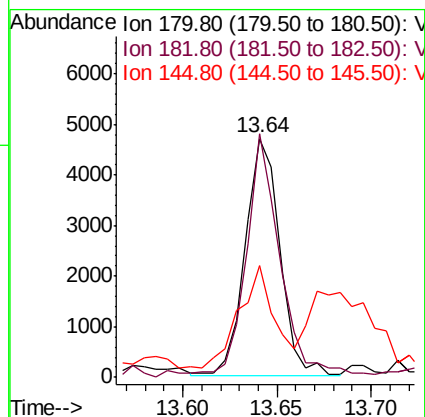
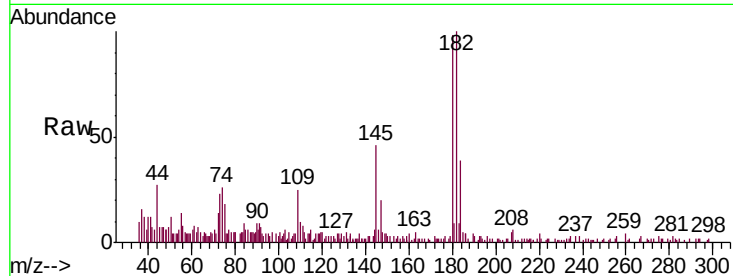




#93
 1,2,4-Trichlorobenzene
 Concen: 0.779 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208

Tgt Ion:180 Resp: 5983
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.2 141.6
 145 49.4 13.8 41.4#



#96
 1,2,3-Trichlorobenzene
 Concen: 0.362 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX013952.D
 Acq: 11 Dec 2019 18:41

Tgt Ion:180 Resp: 2754
 Ion Ratio Lower Upper
 180 100
 182 109.0 47.6 142.8
 145 101.9 15.0 45.0#

