

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014196.D
 Acq On : 23 Dec 2019 12:53
 Operator : JC/SP
 Sample : PB125630TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125630TB

Quant Time: Dec 24 01:28:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	614046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	946142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	845888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	396282	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	334420	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	5.49	113	279041	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	1124143	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	386300	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

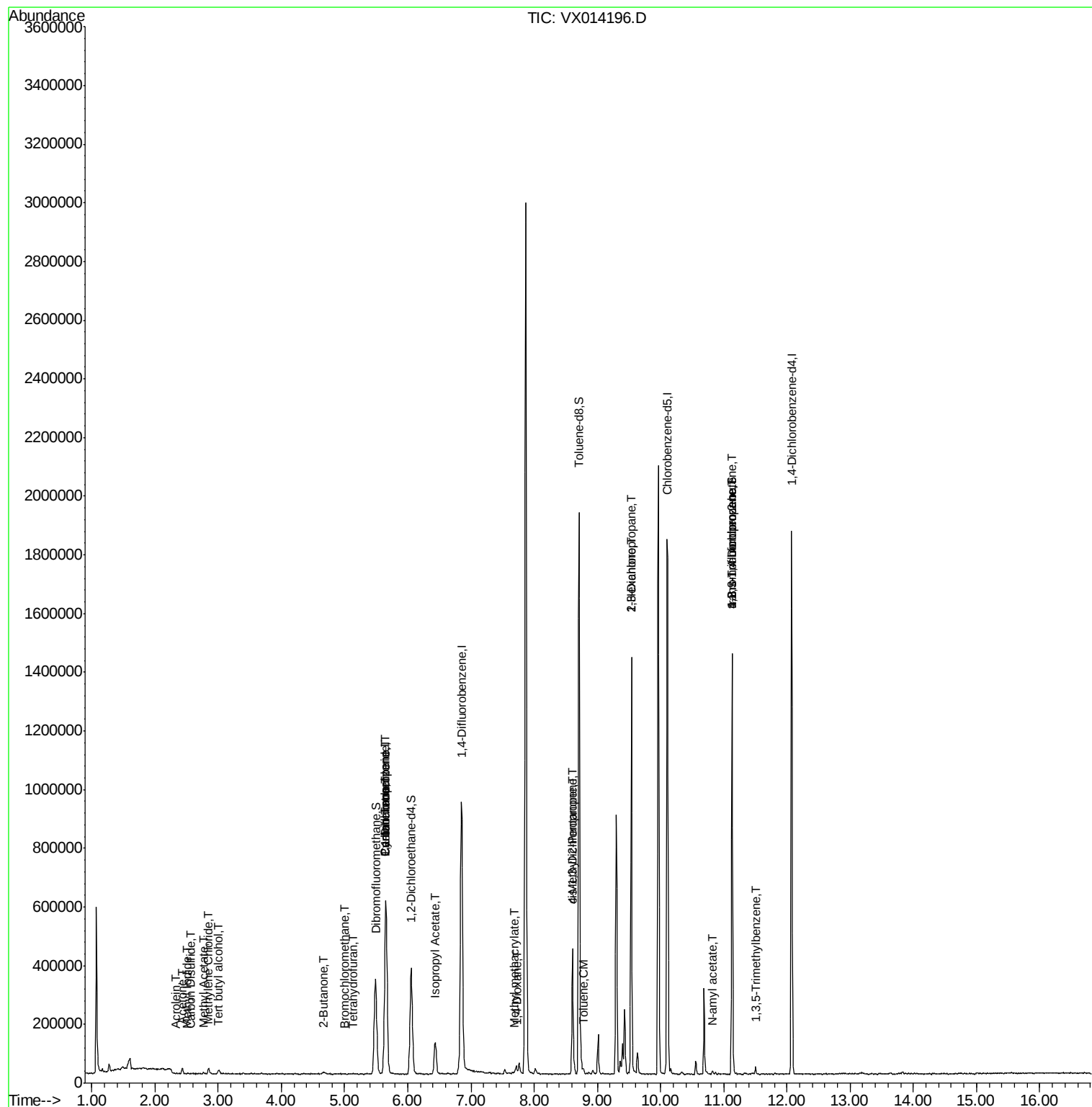
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	1518	2.809	ug/l #	70
11) Tert butyl alcohol	3.00	59	8292	5.514	ug/l #	77
13) Acrolein	2.33	56	189	0.220	ug/l #	14
16) Acetone	2.43	43	21869	4.840	ug/l	97
17) Carbon Disulfide	2.56	76	2051	0.873	ug/l #	56
18) Methyl Acetate	2.76	43	6131	0.685	ug/l	91
20) Methylene Chloride	2.84	84	9697	1.363	ug/l	96
25) 2-Butanone	4.67	43	5493	0.986	ug/l #	87
28) Bromochloromethane	5.00	49	677	0.603	ug/l #	9
29) Tetrahydrofuran	5.14	42	669	0.215	ug/l #	86
31) Cyclohexane	5.65	56	10631	1.022	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	41933	4.830	ug/l #	50
38) Carbon Tetrachloride	5.65	117	53593	6.777	ug/l #	15
43) Isopropyl Acetate	6.44	43	153634	9.684	ug/l	99
48) Methyl methacrylate	7.67	41	8660	1.115	ug/l #	16
49) 1,4-Dioxane	7.73	88	447	2.827	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	148634	14.917	ug/l #	50
52) Toluene	8.78	92	4568	0.271	ug/l	84
54) cis-1,3-Dichloropropene	8.61	75	68700	6.597	ug/l #	58
57) 1,3-Dichloropropane	9.53	76	13202	1.160	ug/l #	46
59) 2-Hexanone	9.54	43	169035	21.074	ug/l #	50
74) N-amyl acetate	10.82	43	6533	0.500	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	190624	22.157	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.50	105	11100	0.473	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	190624	62.540	ug/l #	11

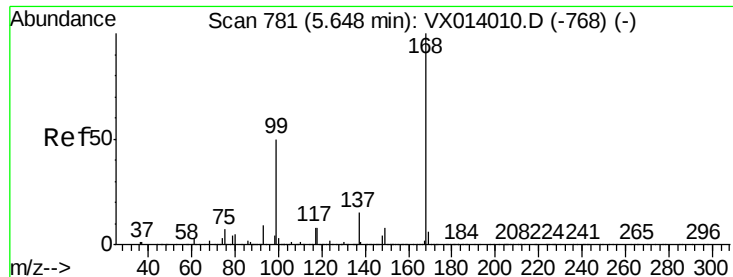
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
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ClientSampleId :
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Quant Time: Dec 24 01:28:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

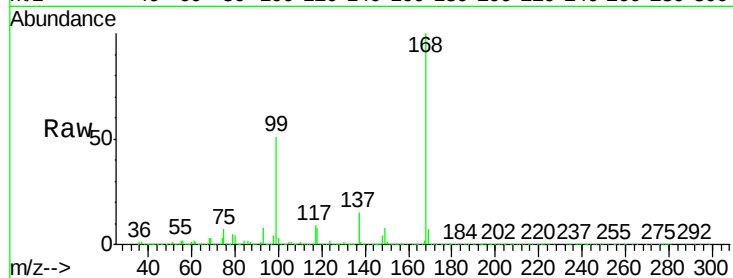
PB125630TB

Tgt Ion:168 Resp: 614046

Ion Ratio Lower Upper

168 100

99 51.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

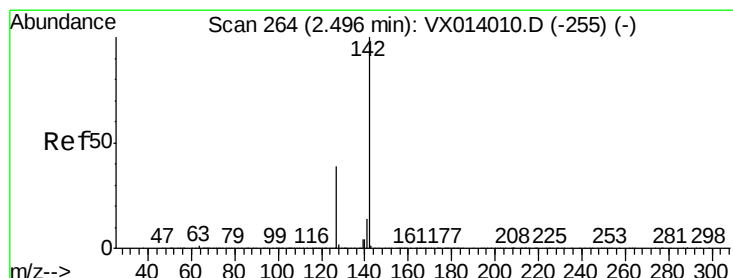
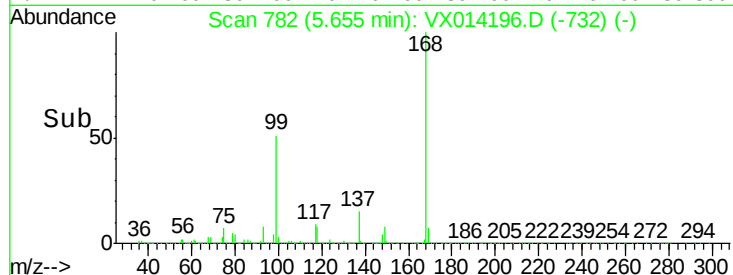
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.809 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

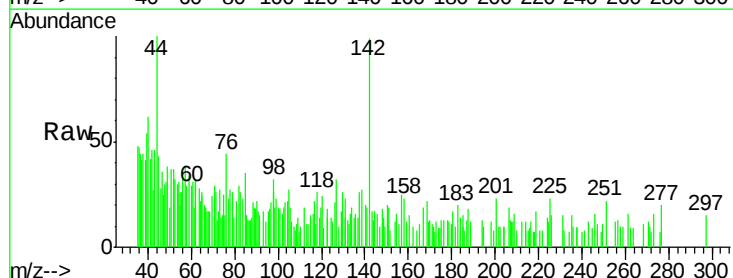
Tgt Ion:142 Resp: 1518

Ion Ratio Lower Upper

142 100

127 56.5 31.6 47.4#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

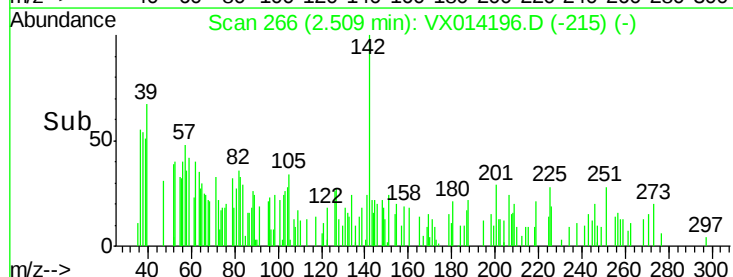
600

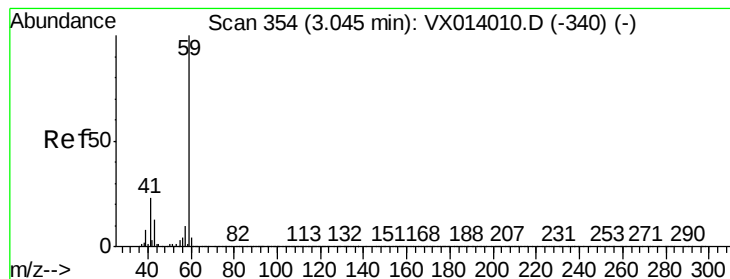
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200

0

Time-->



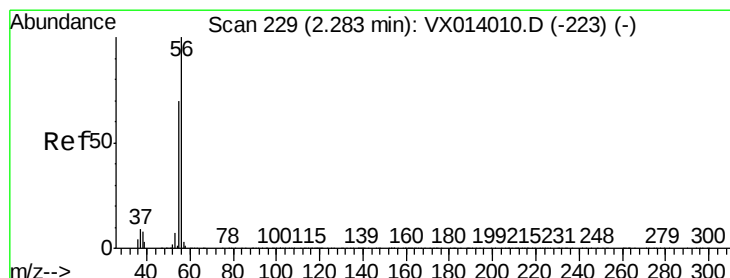
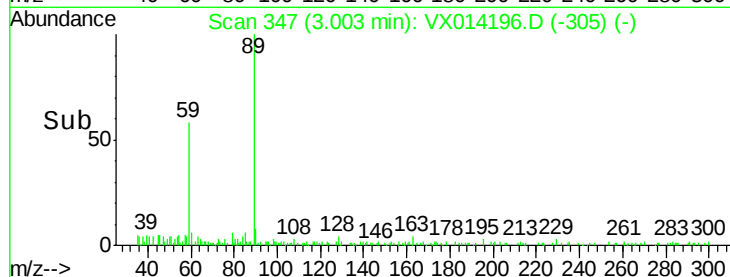
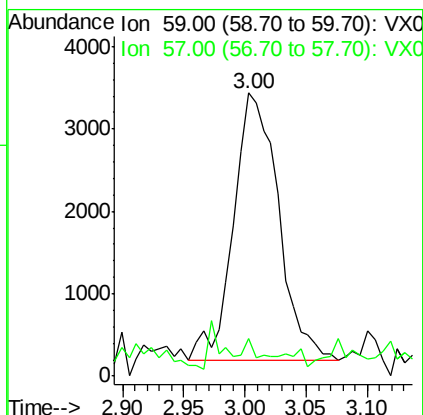
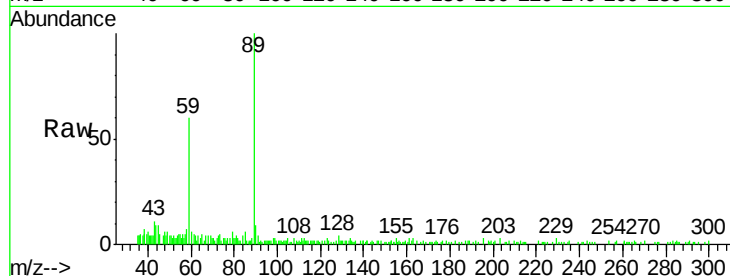


#11

Tert butyl alcohol
 Concen: 5.514 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX014196.D
 Acq: 23 Dec 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125630TB

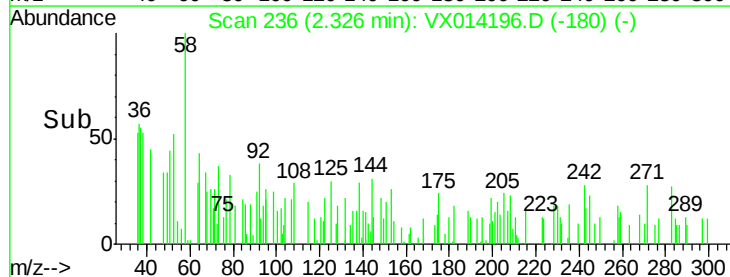
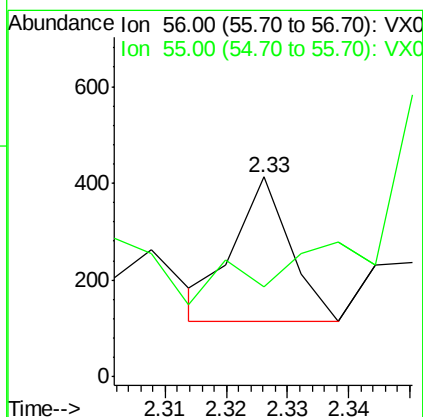
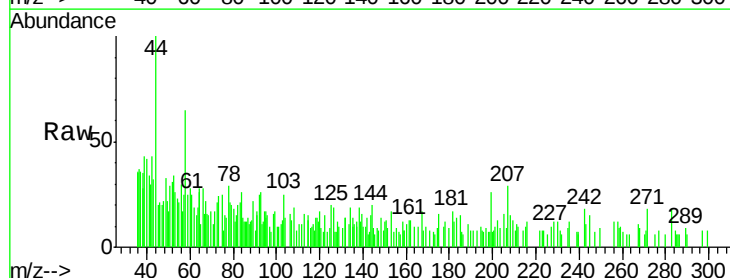
Tgt Ion: 59 Resp: 8292
 Ion Ratio Lower Upper
 59 100
 57 2.0 8.4 12.6#

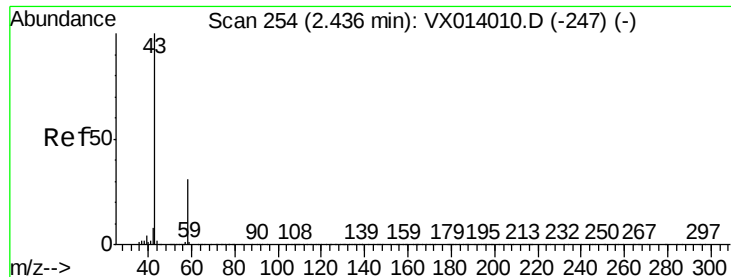


#13

Acrolein
 Concen: 0.220 ug/l
 RT: 2.33 min Scan# 236
 Delta R.T. 0.04 min
 Lab File: VX014196.D
 Acq: 23 Dec 2019 12:53

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 4.840 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

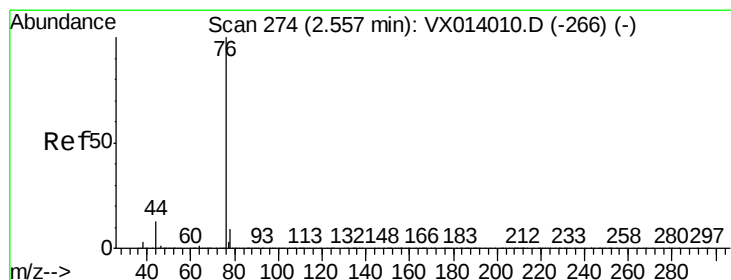
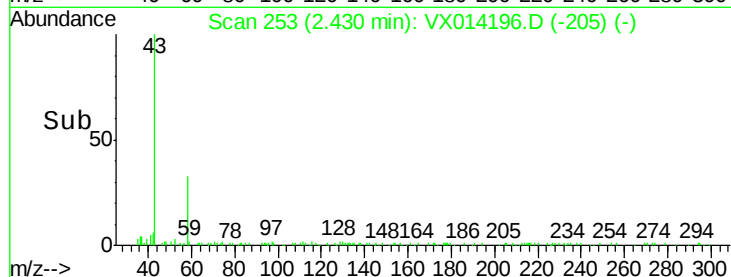
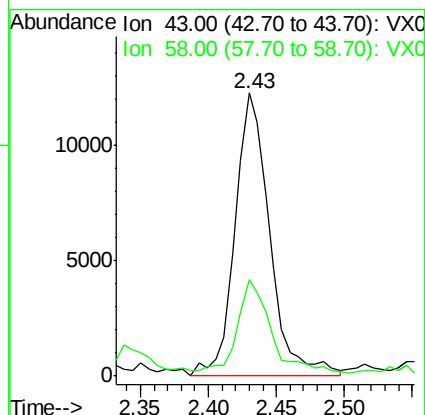
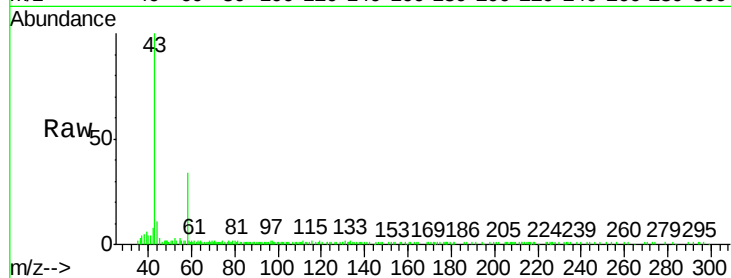
PB125630TB

Tgt Ion: 43 Resp: 21869

Ion Ratio Lower Upper

43 100

58 32.8 24.9 37.3



#17

Carbon Disulfide

Concen: 0.873 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014196.D

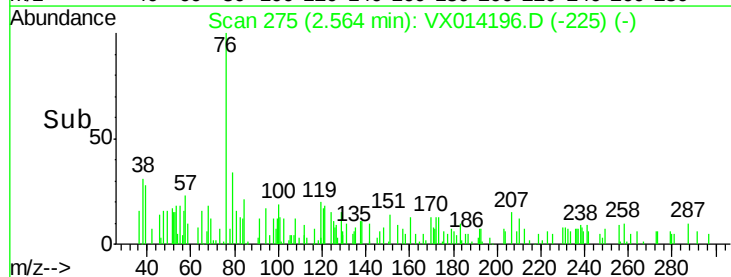
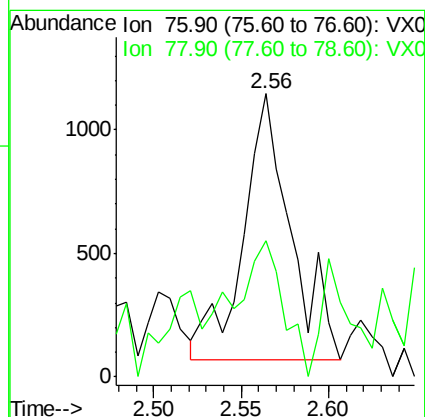
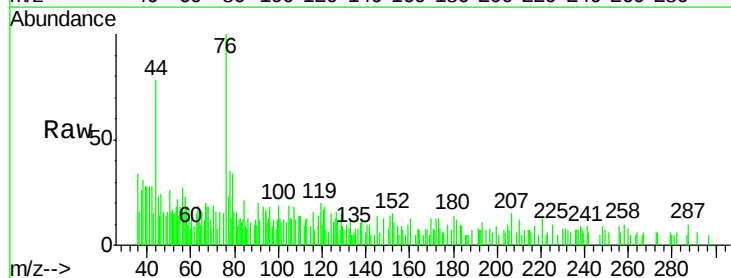
Acq: 23 Dec 2019 12:53

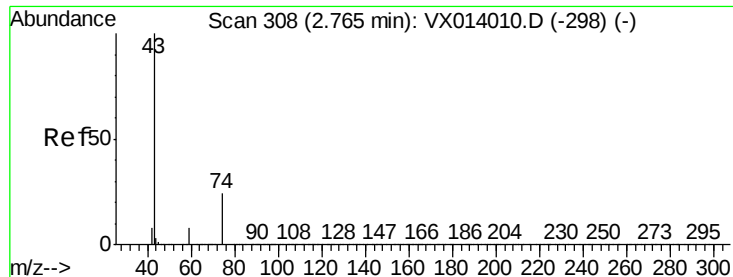
Tgt Ion: 76 Resp: 2051

Ion Ratio Lower Upper

76 100

78 24.8 7.2 10.8#

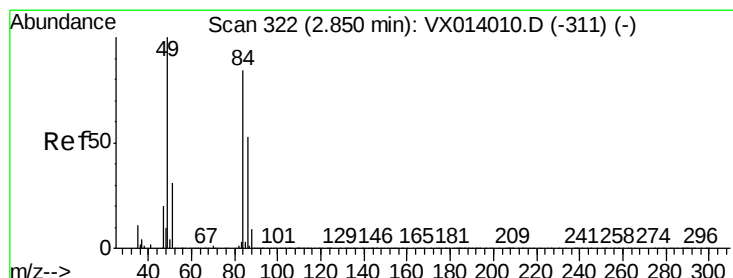
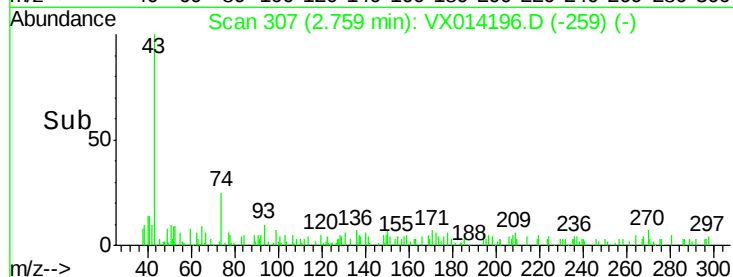
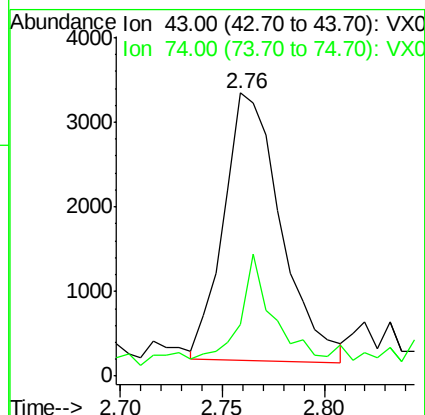
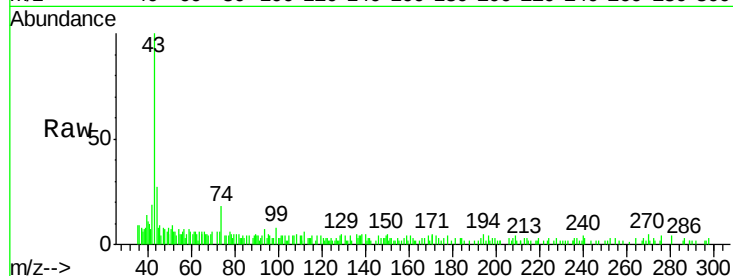




#18
Methyl Acetate
Concen: 0.685 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

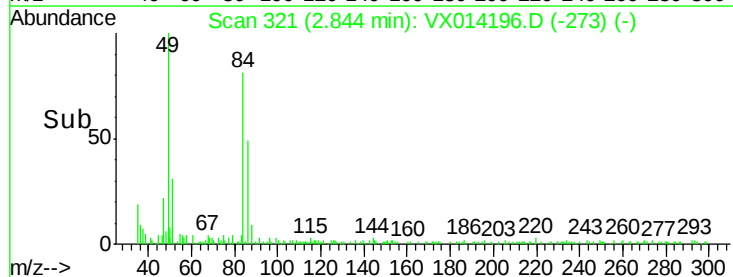
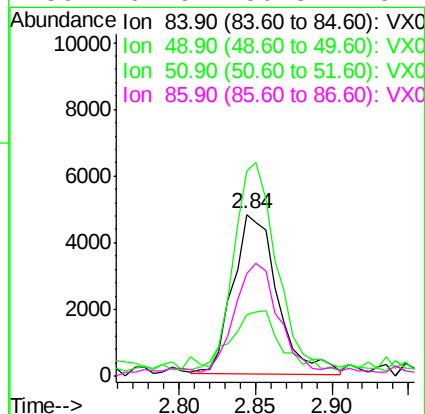
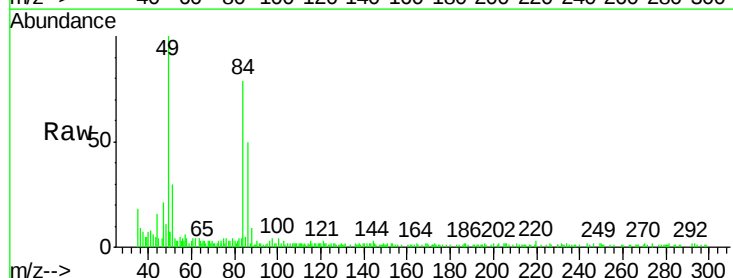
Instrument :
MSVOA_X
ClientSampleId :
PB125630TB

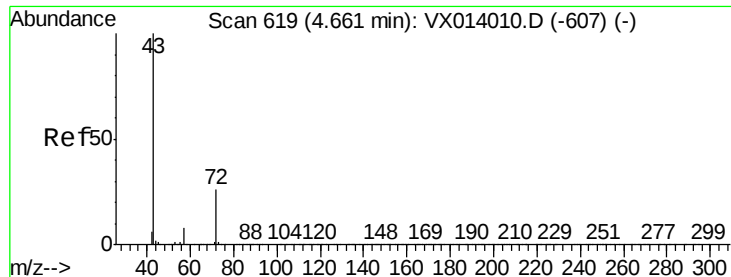
Tgt Ion: 43 Resp: 6131
Ion Ratio Lower Upper
43 100
74 29.0 19.5 29.3



#20
Methylene Chloride
Concen: 1.363 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Tgt Ion: 84 Resp: 9697
Ion Ratio Lower Upper
84 100
49 126.7 95.8 143.6
51 35.5 29.8 44.8
86 62.6 50.8 76.2





#25

2-Butanone

Concen: 0.986 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

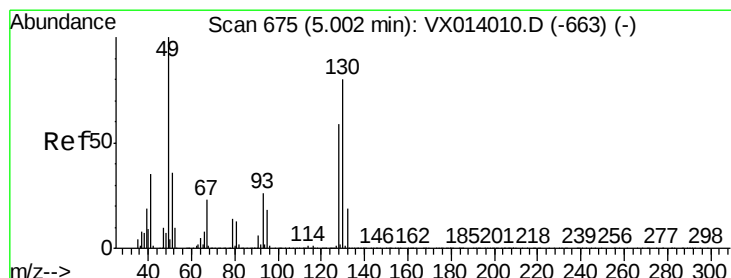
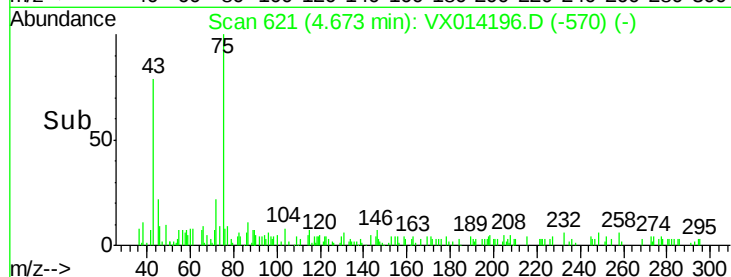
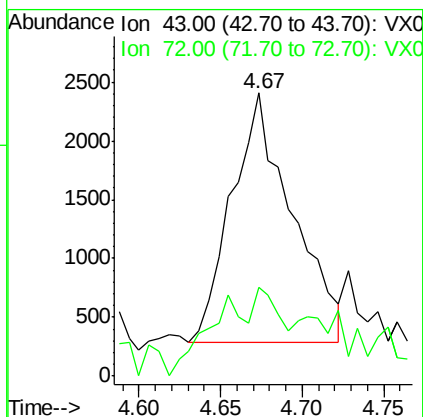
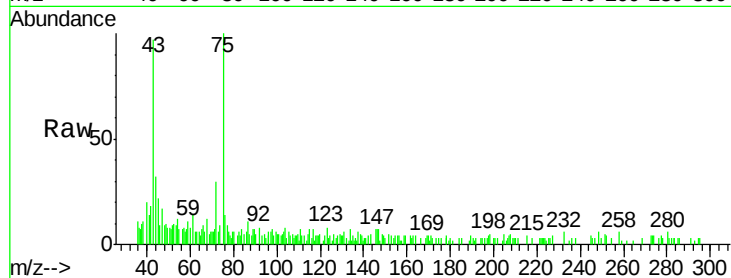
PB125630TB

Tgt Ion: 43 Resp: 5493

Ion Ratio Lower Upper

43 100

72 19.5 21.0 31.4#



#28

Bromochloromethane

Concen: 0.603 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

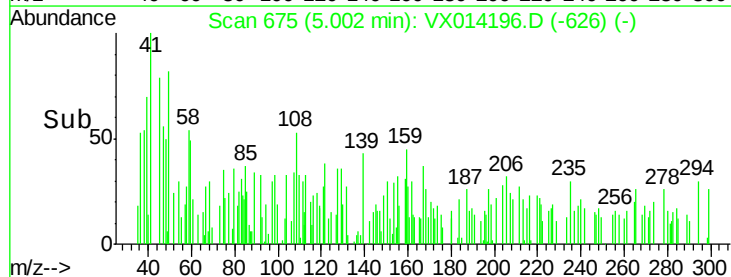
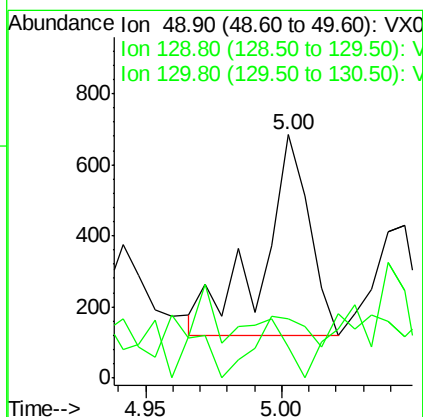
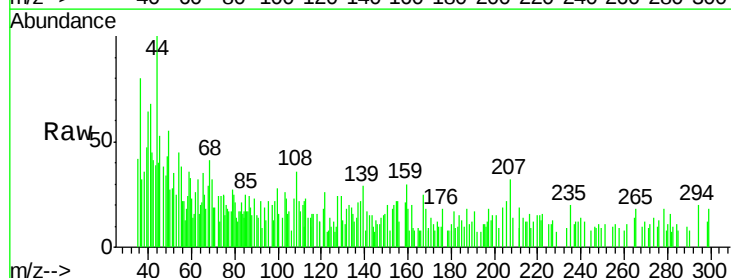
Tgt Ion: 49 Resp: 677

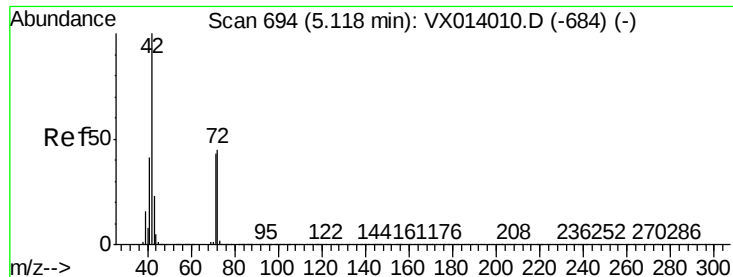
Ion Ratio Lower Upper

49 100

129 38.1 0.0 5.0#

130 0.0 64.6 97.0#

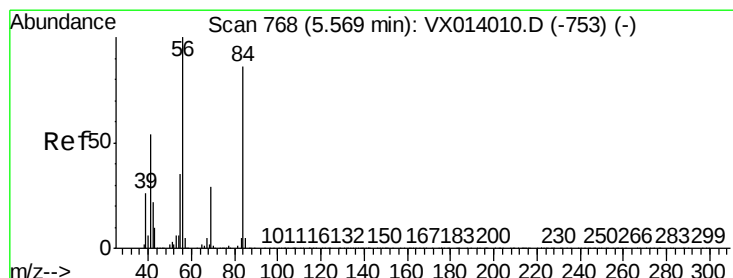
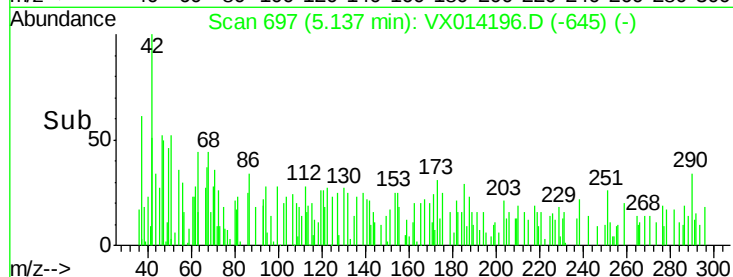
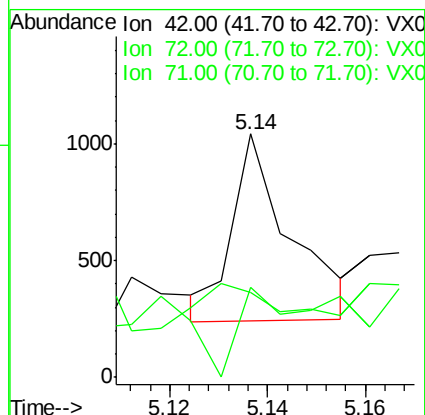
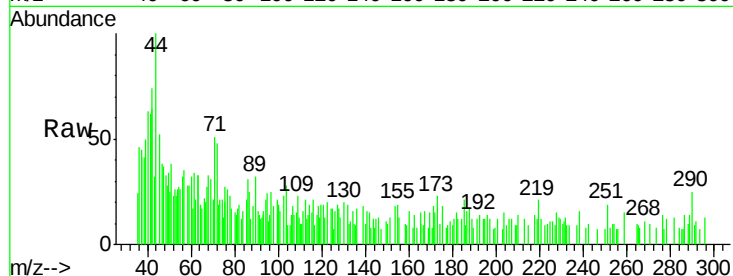




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

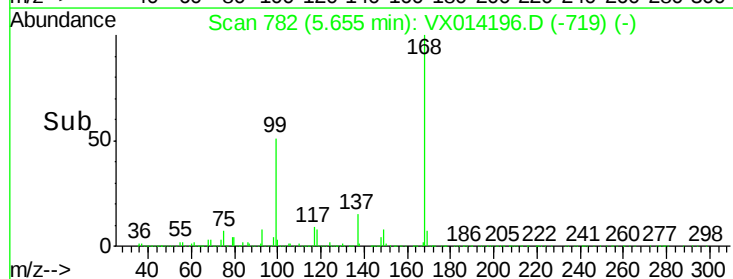
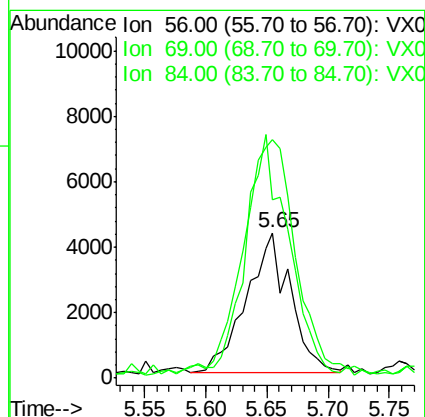
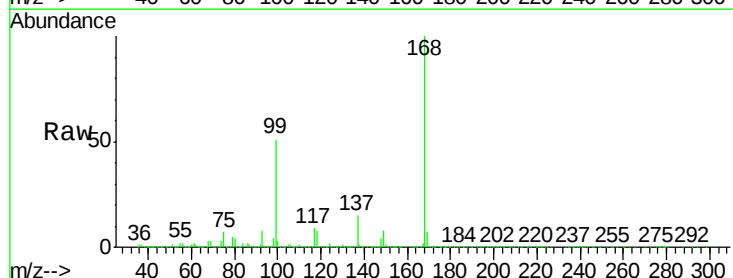
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PB125630TB

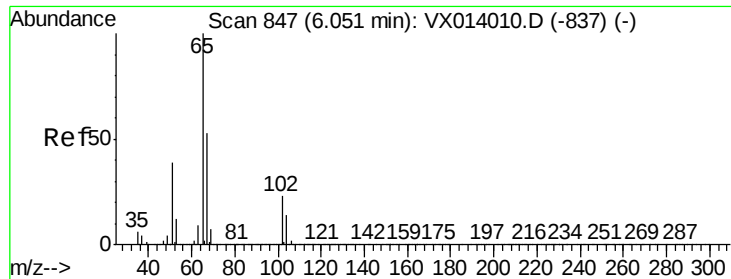
Tgt Ion: 42 Resp: 669
Ion Ratio Lower Upper
42 100
72 53.2 35.8 53.8
71 51.4 33.6 50.4#



#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Tgt Ion: 56 Resp: 10631
Ion Ratio Lower Upper
56 100
69 163.3 23.2 34.8#
84 123.7 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 48.053 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

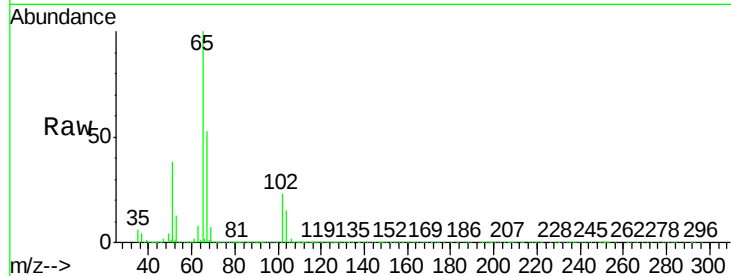
PB125630TB

Tgt Ion: 65 Resp: 334420

Ion Ratio Lower Upper

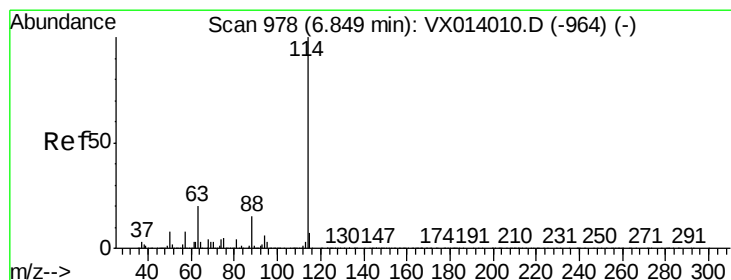
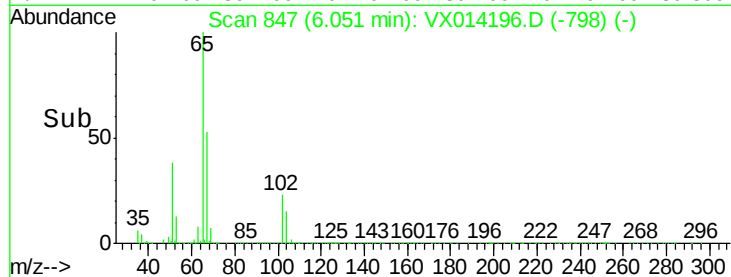
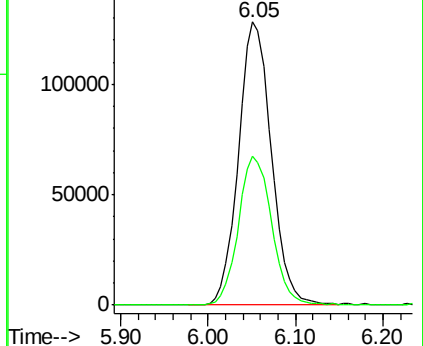
65 100

67 53.0 0.0 106.4



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: VX014196.D

Acq: 23 Dec 2019 12:53

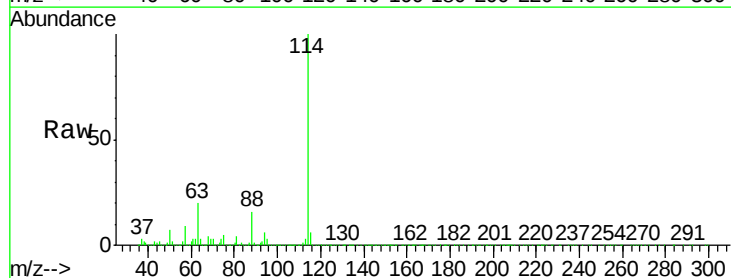
Tgt Ion: 114 Resp: 946142

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

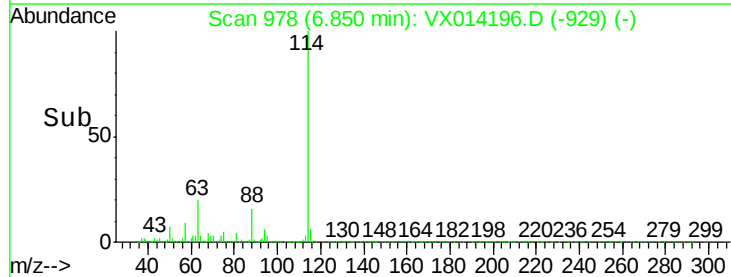
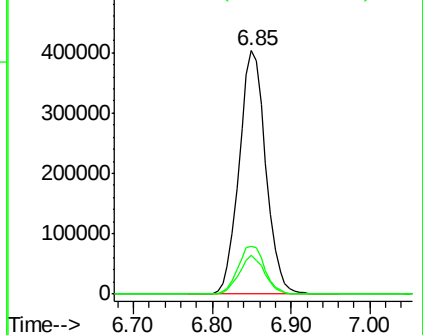
88 16.1 0.0 30.4

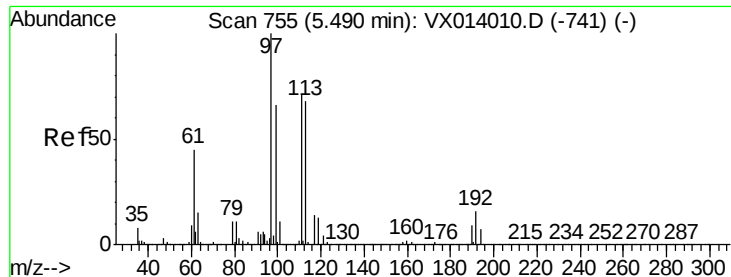


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.516 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB125630TB

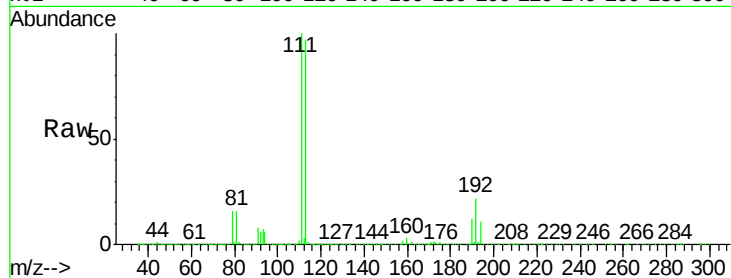
Tgt Ion:113 Resp: 279041

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

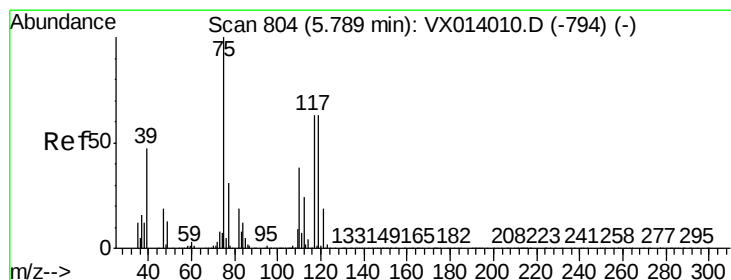
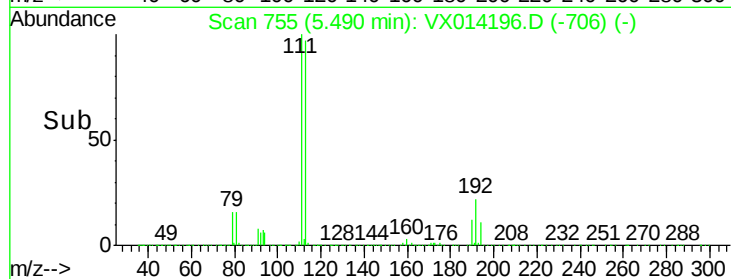
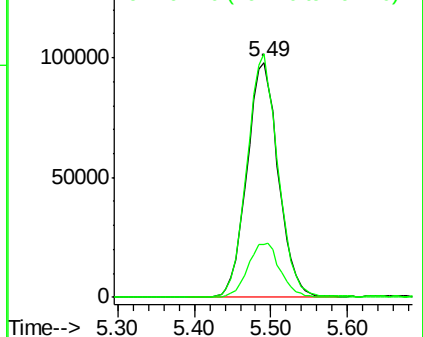
192 23.8 19.3 28.9



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: 4.830 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

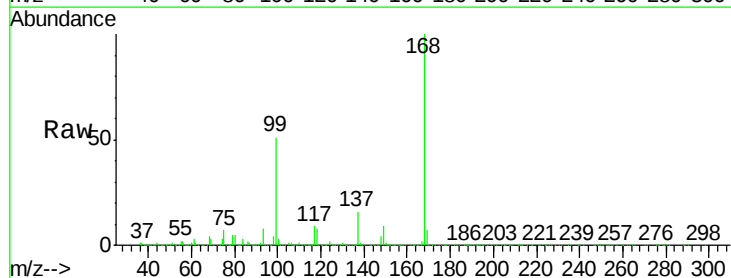
Tgt Ion: 75 Resp: 41933

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.9#

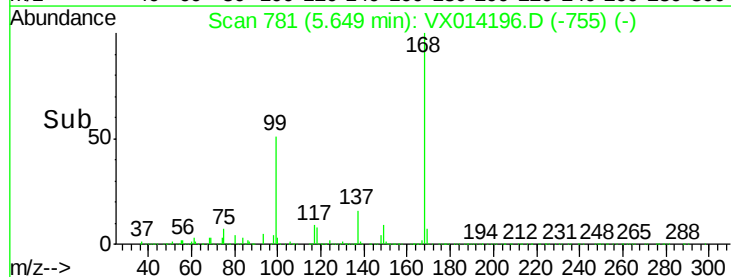
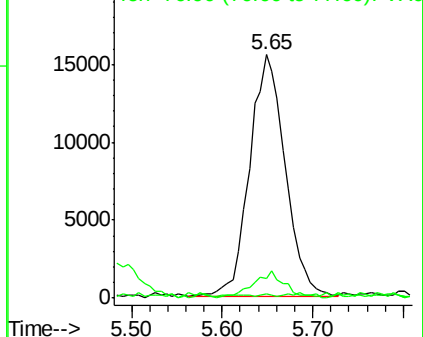
77 0.2 24.8 37.2#

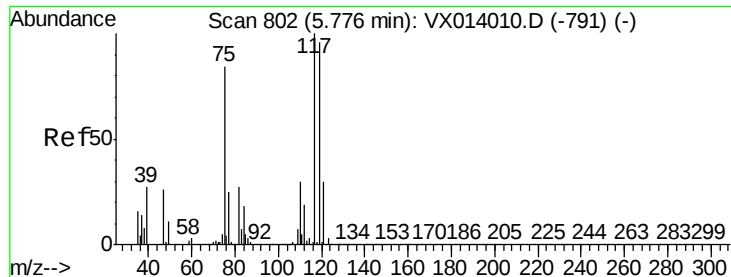


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

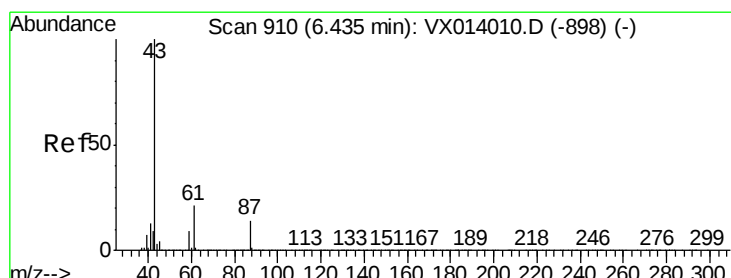
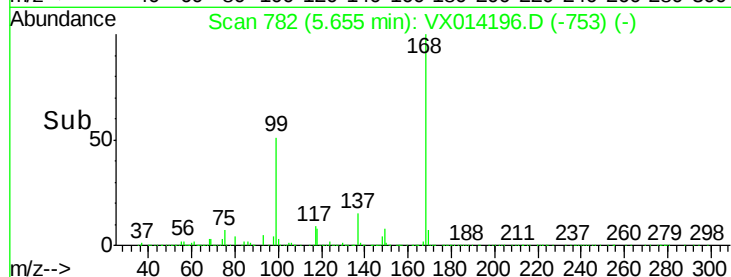
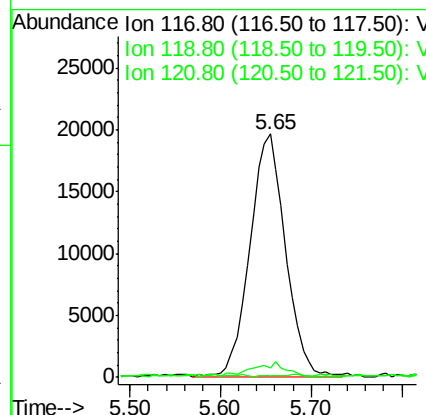
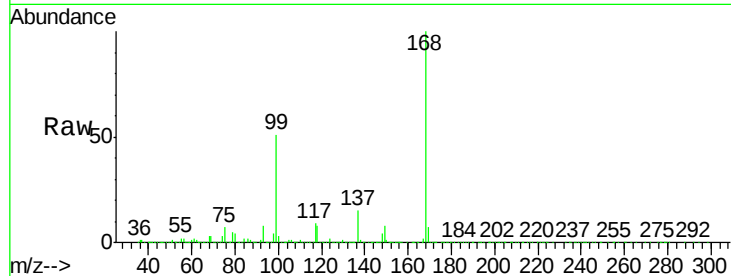




#38
Carbon Tetrachloride
Concen: 6.777 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

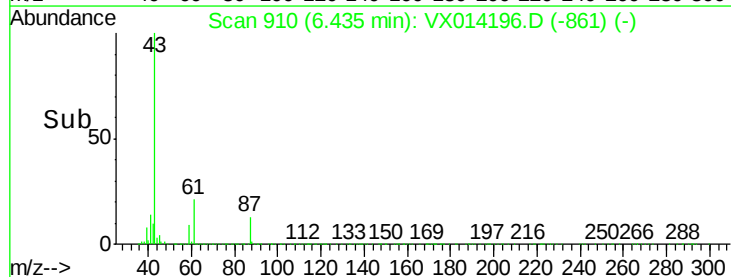
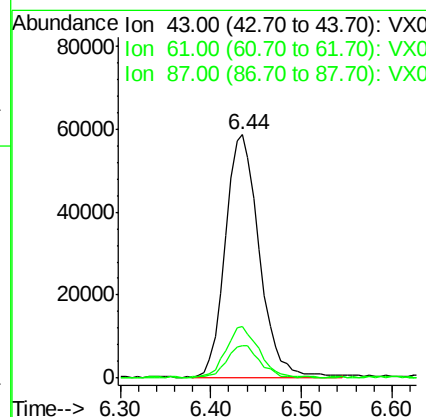
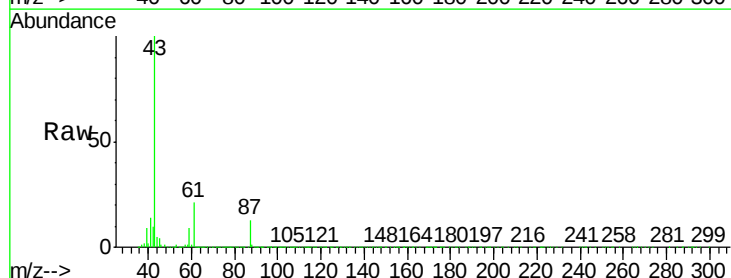
Instrument :
MSVOA_X
ClientSampled :
PB125630TB

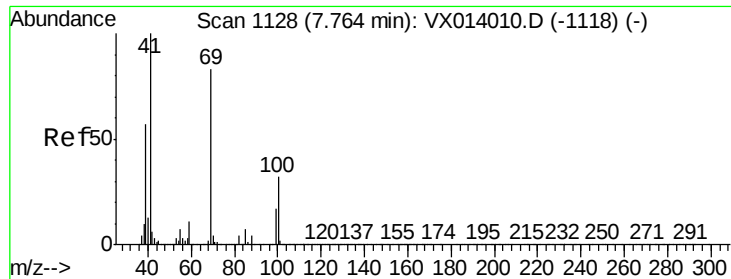
Tgt Ion:117 Resp: 53593
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.4#
121 0.3 23.6 35.4#



#43
Isopropyl Acetate
Concen: 9.684 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Tgt Ion: 43 Resp: 153634
Ion Ratio Lower Upper
43 100
61 19.9 16.4 24.6
87 12.8 10.7 16.1

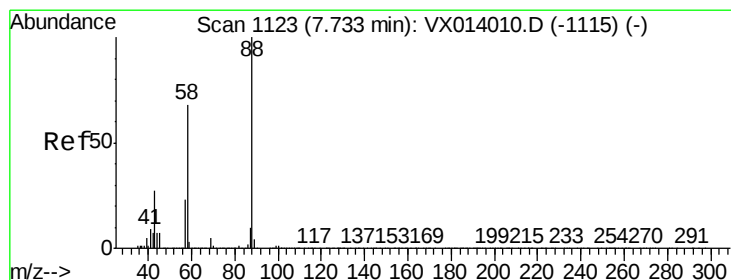
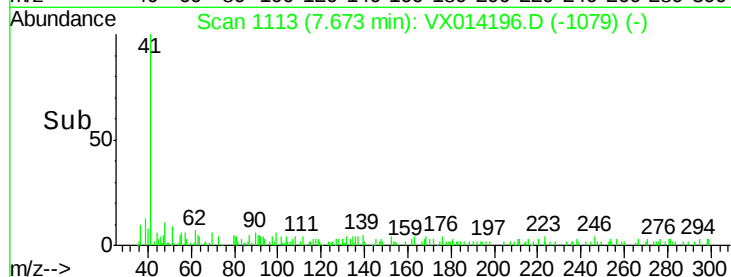
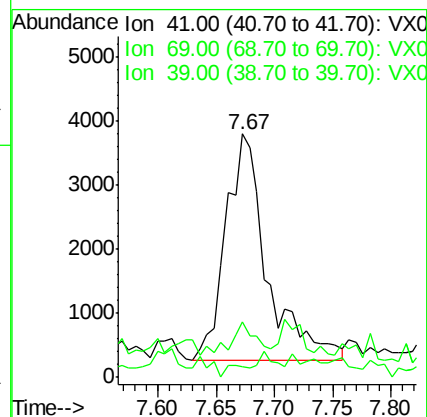
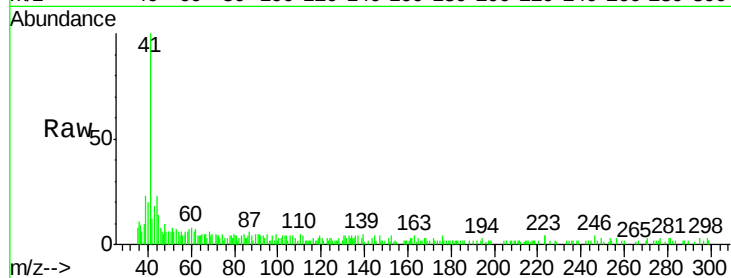




#48
Methyl methacrylate
Concen: 1.115 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

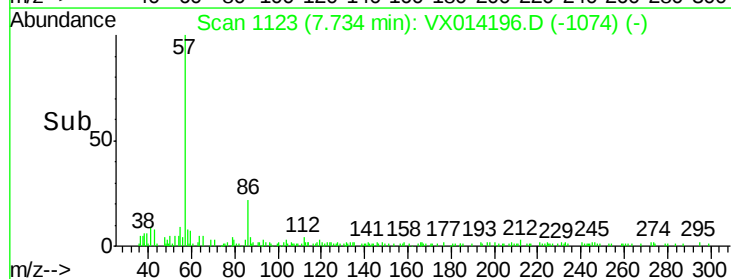
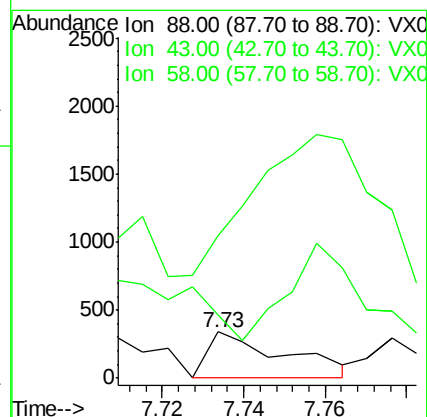
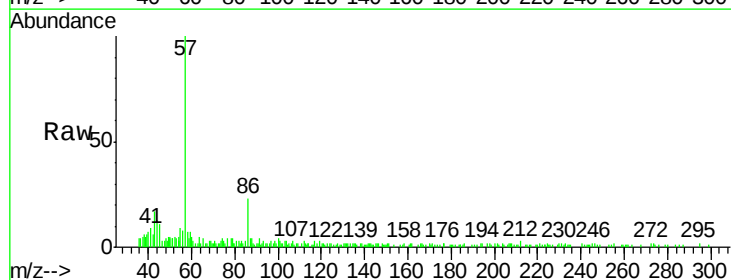
Instrument :
MSVOA_X
ClientSampleId :
PB125630TB

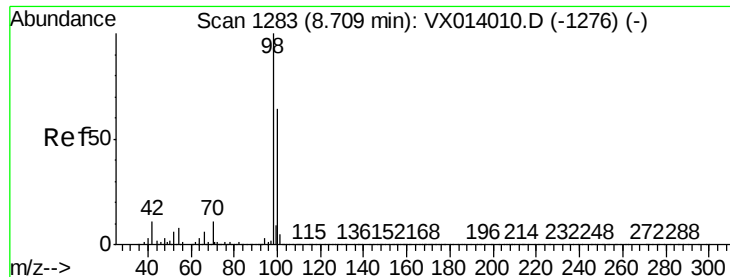
Tgt Ion: 41 Resp: 8660
Ion Ratio Lower Upper
41 100
69 3.0 65.8 98.6#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.827 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Tgt Ion: 88 Resp: 447
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.8 85.2#





#50

Toluene-d8

Concen: 50.203 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

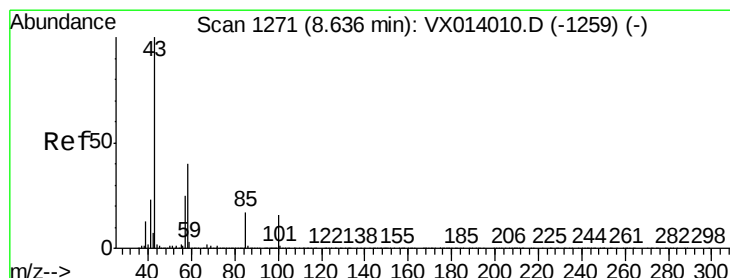
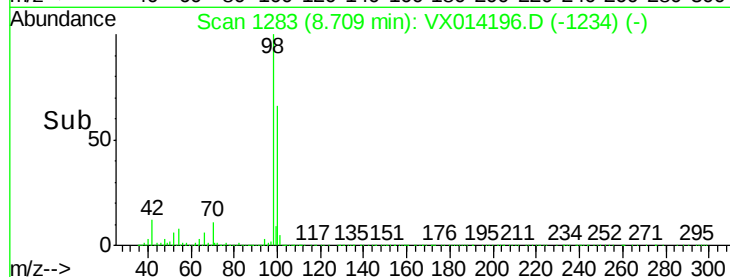
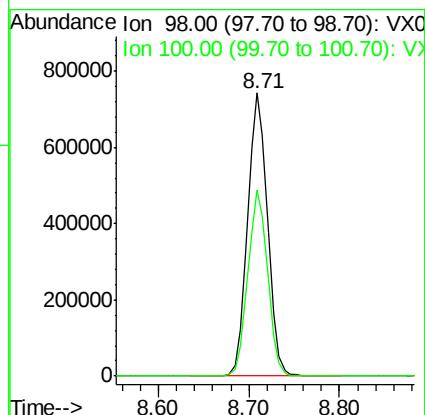
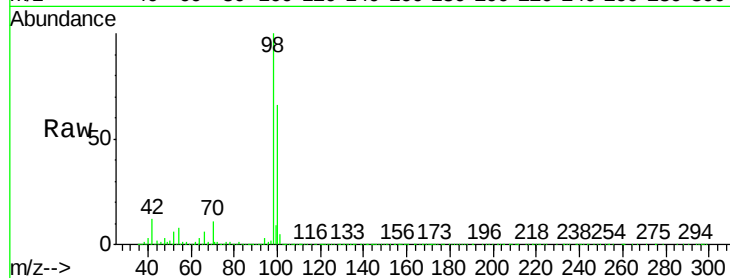
PB125630TB

Tgt Ion: 98 Resp: 1124143

Ion Ratio Lower Upper

98 100

100 65.3 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 14.917 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014196.D

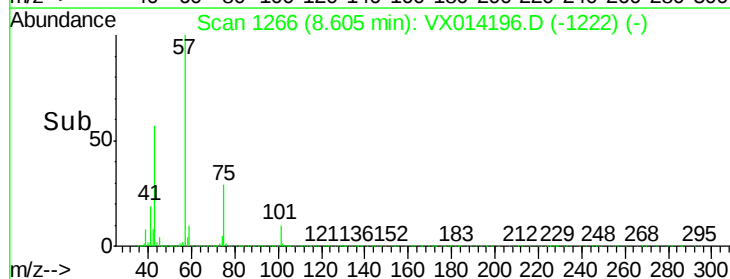
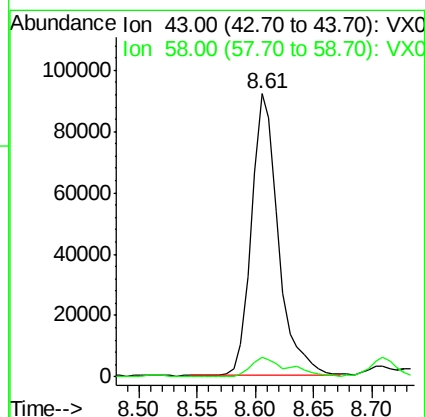
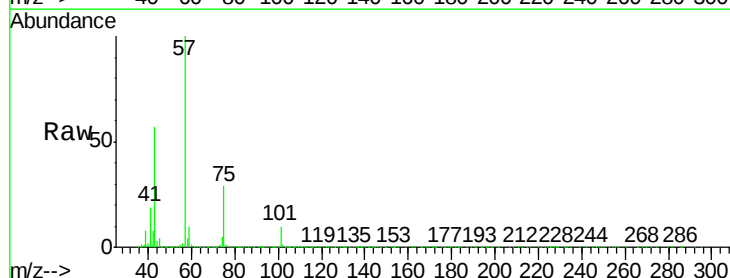
Acq: 23 Dec 2019 12:53

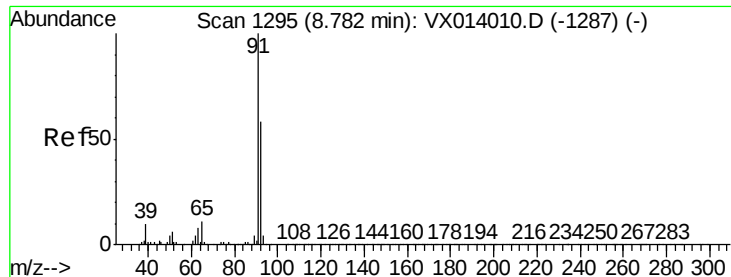
Tgt Ion: 43 Resp: 148634

Ion Ratio Lower Upper

43 100

58 9.5 32.2 48.2#





#52

Toluene

Concen: 0.271 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

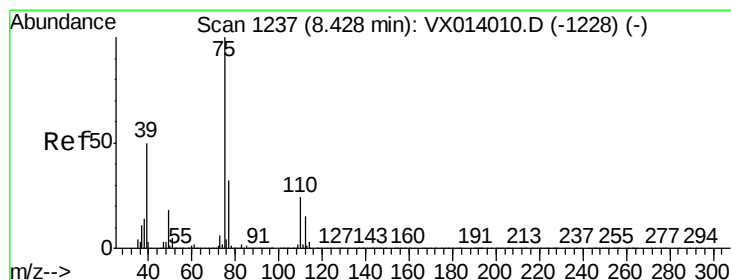
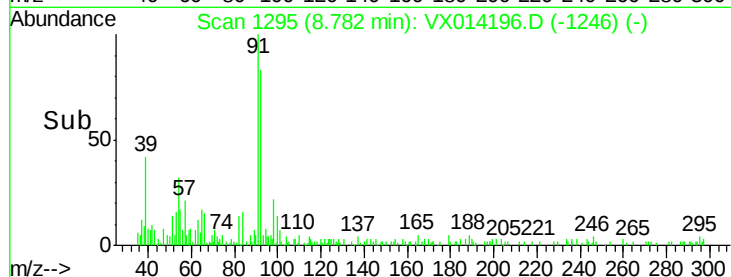
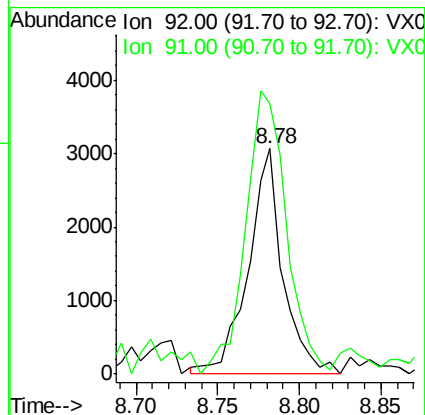
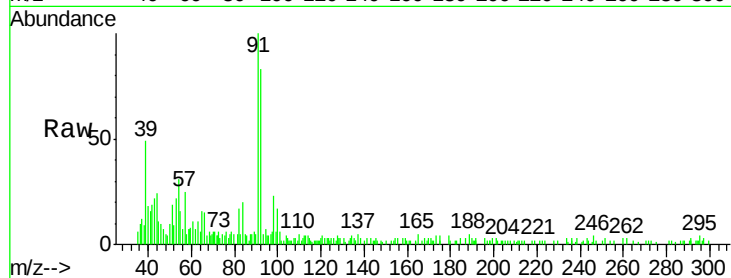
PB125630TB

Tgt Ion: 92 Resp: 4568

Ion Ratio Lower Upper

92 100

91 147.7 136.2 204.4



#54

cis-1,3-Dichloropropene

Concen: 6.597 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

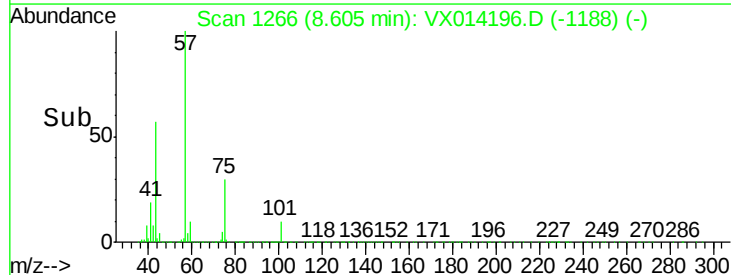
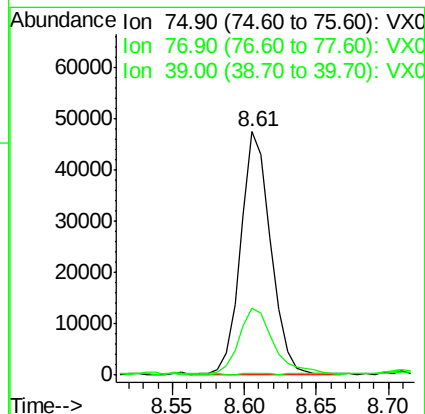
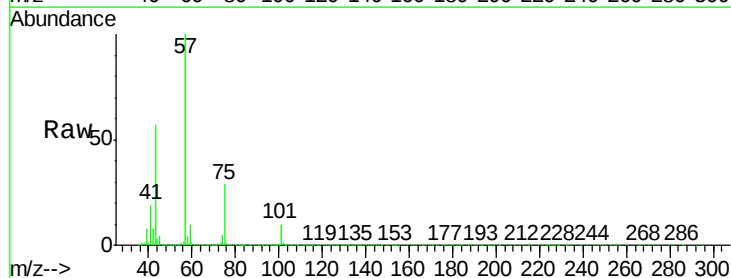
Tgt Ion: 75 Resp: 68700

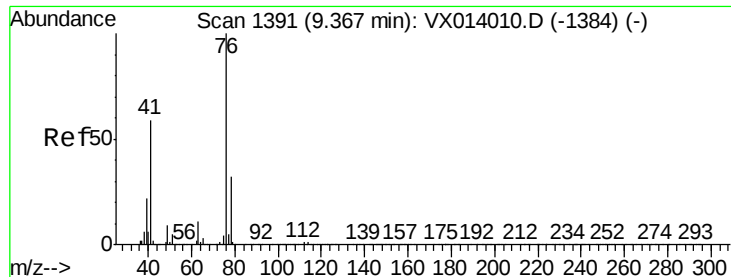
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 27.2 39.9 59.9#





#57

1,3-Dichloropropane

Concen: 1.160 ug/l

RT: 9.53 min Scan# 1418

Delta R.T. 0.16 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

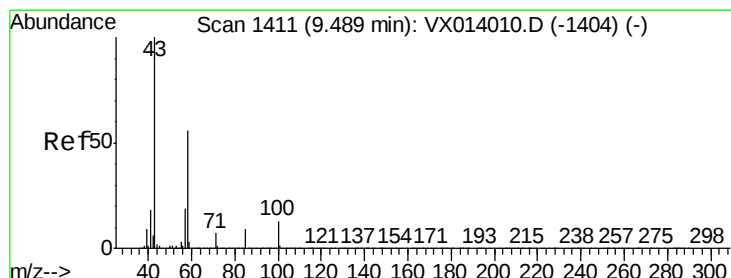
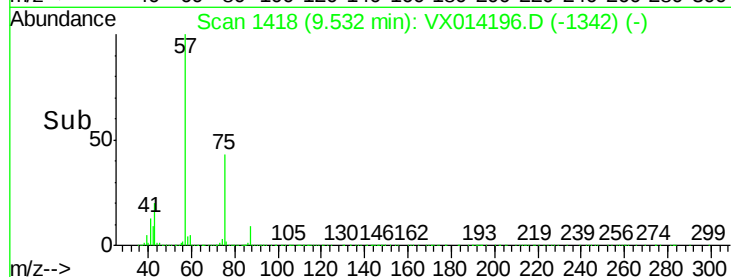
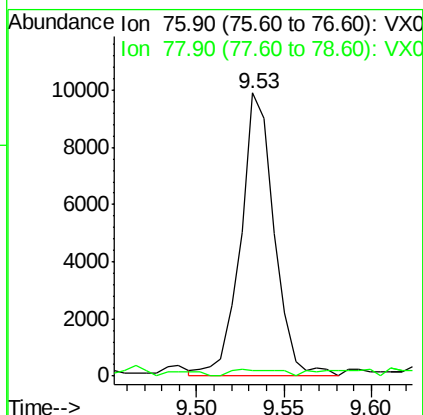
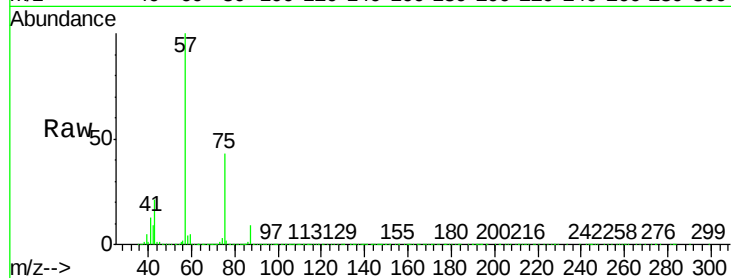
PB125630TB

Tgt Ion: 76 Resp: 13202

Ion Ratio Lower Upper

76 100

78 1.7 25.8 38.6#



#59

2-Hexanone

Concen: 21.074 ug/l

RT: 9.54 min Scan# 1419

Delta R.T. 0.05 min

Lab File: VX014196.D

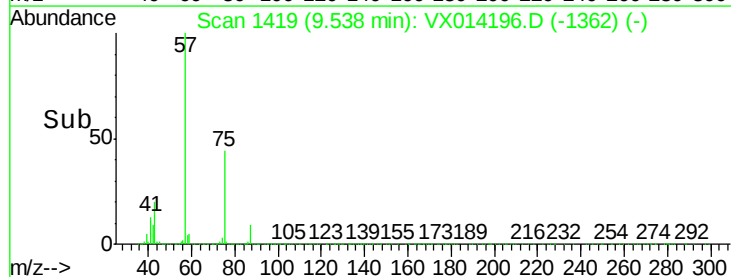
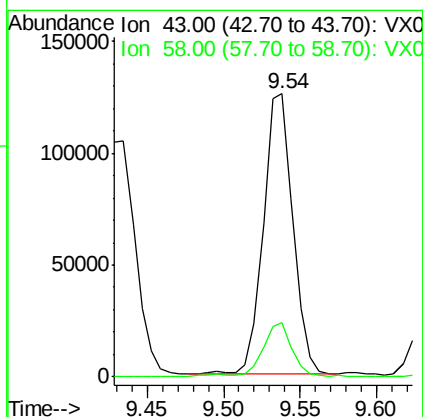
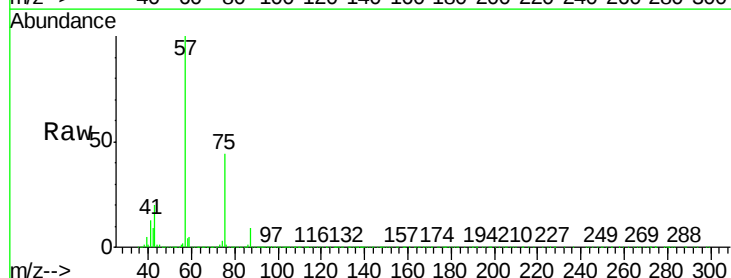
Acq: 23 Dec 2019 12:53

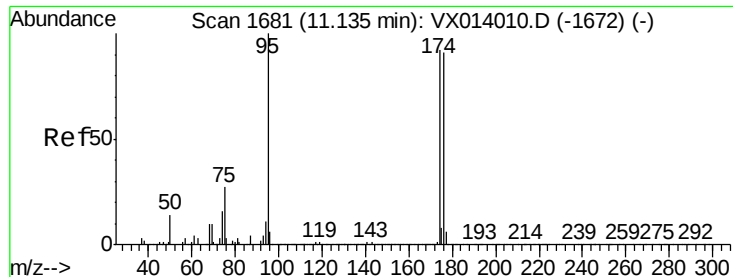
Tgt Ion: 43 Resp: 169035

Ion Ratio Lower Upper

43 100

58 19.5 28.0 84.0#





#62

4-Bromofluorobenzene

Concen: 47.195 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB125630TB

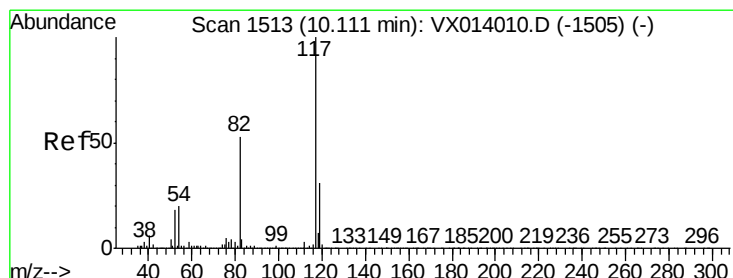
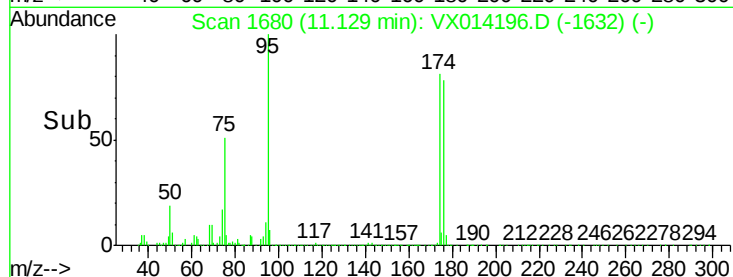
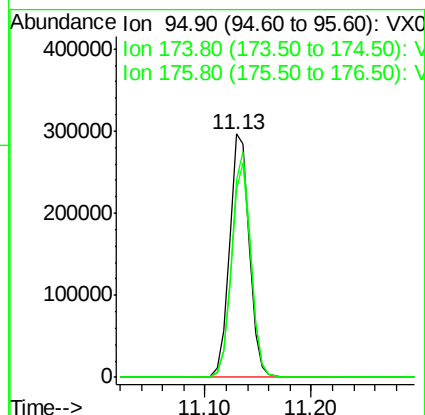
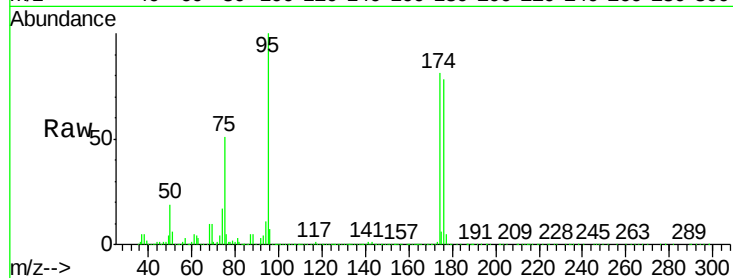
Tgt Ion: 95 Resp: 386300

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.8

176 85.4 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

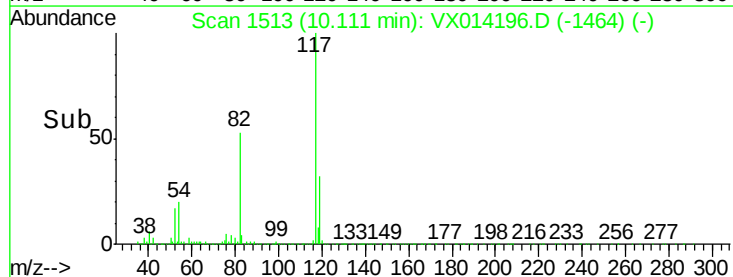
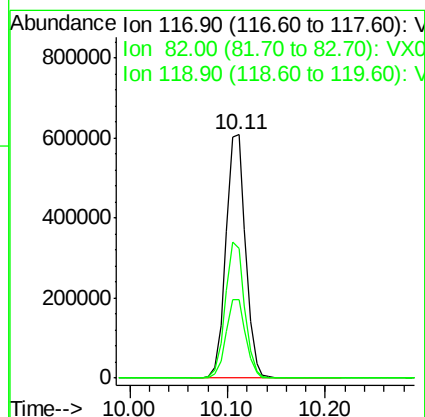
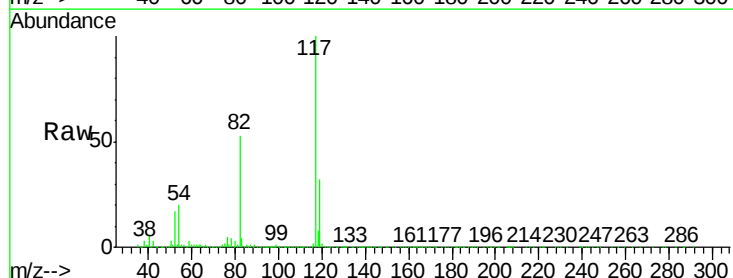
Tgt Ion: 117 Resp: 845888

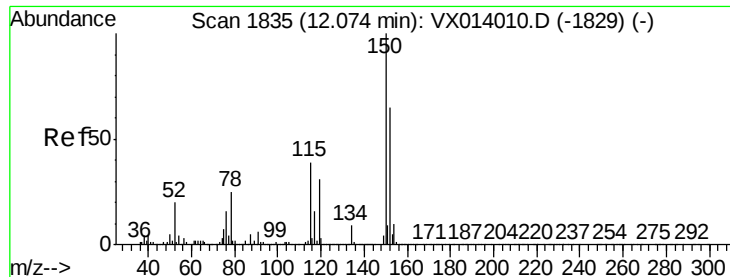
Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

119 32.2 25.1 37.7



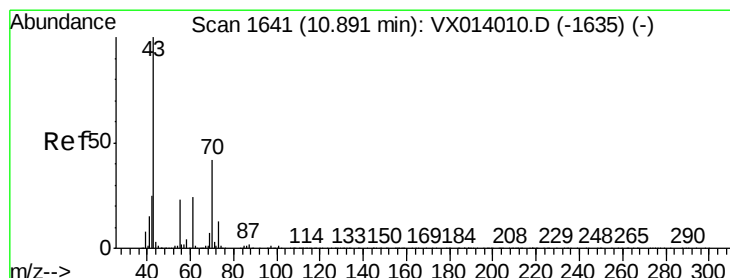
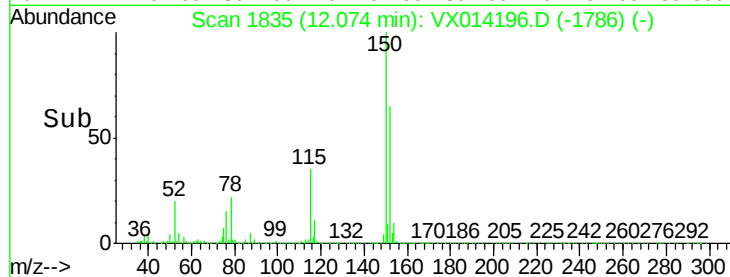
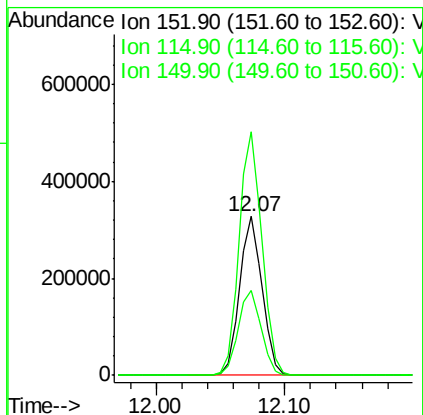
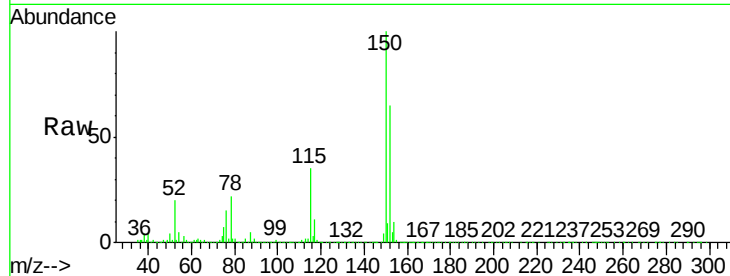


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
PB125630TB

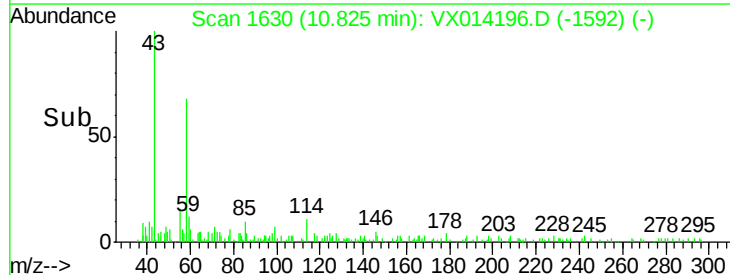
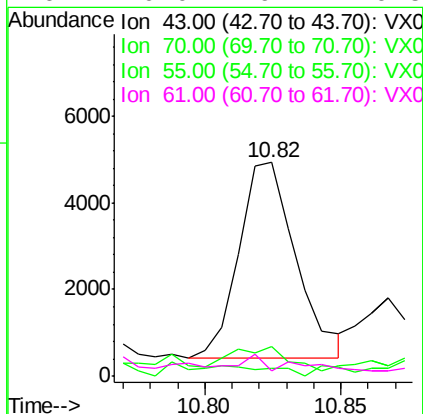
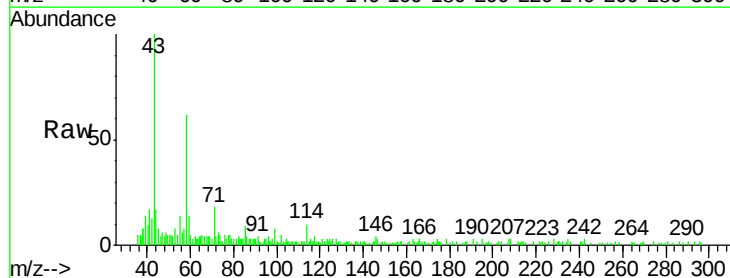
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.3	114.9
150	155.4	0.0	345.4

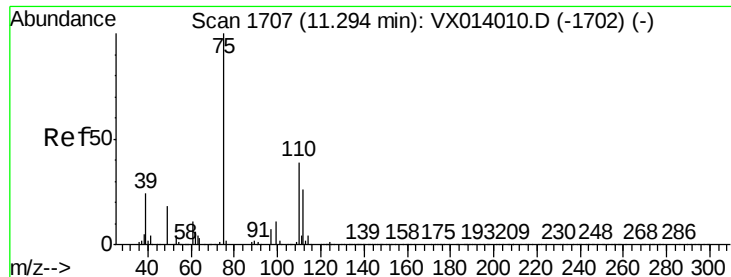


#74

N-ethyl acetate
Concen: 0.500 ug/l
RT: 10.82 min Scan# 1630
Delta R.T. -0.07 min
Lab File: VX014196.D
Acq: 23 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	3.1	34.4	51.6#
55	11.6	19.1	28.7#
61	0.0	19.7	29.5#





#76

1,2,3-Trichloropropane

Concen: 22.157 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

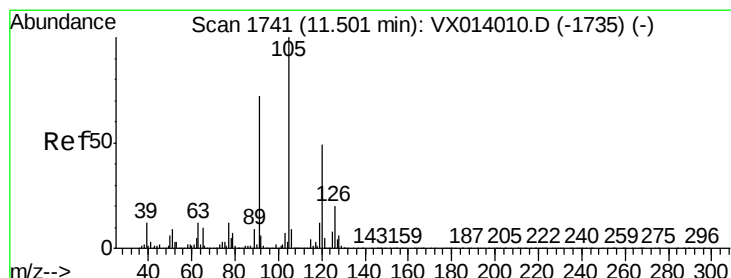
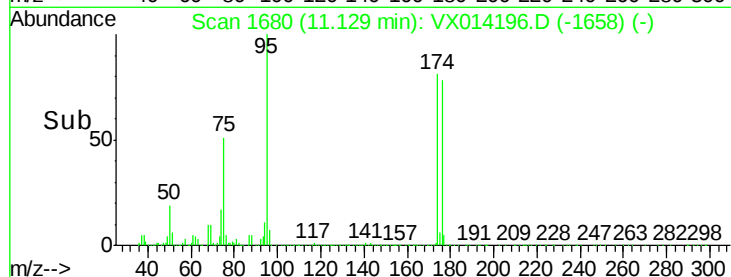
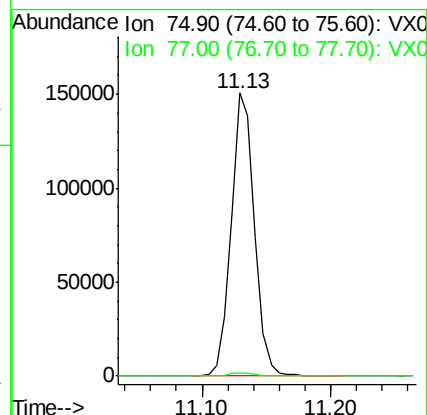
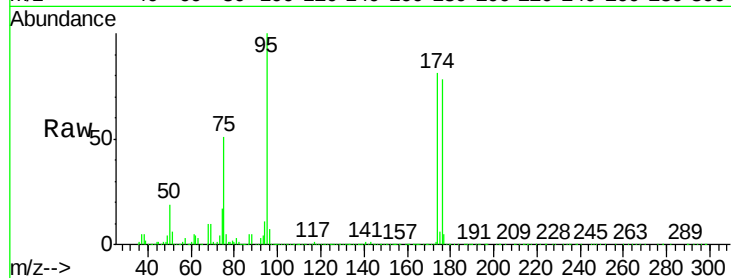
PB125630TB

Tgt Ion: 75 Resp: 190624

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.473 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014196.D

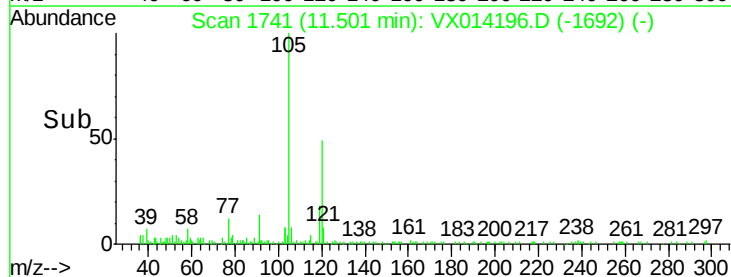
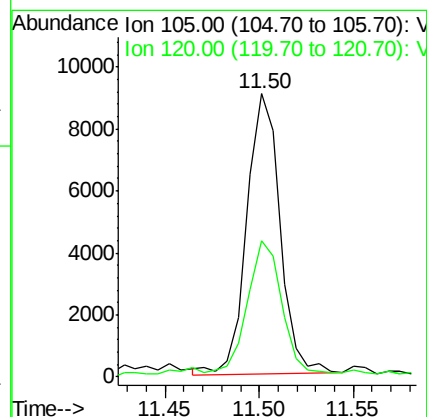
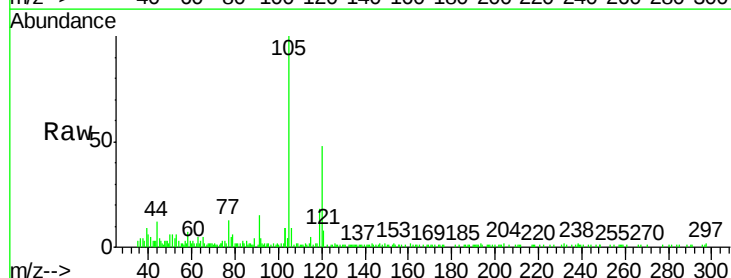
Acq: 23 Dec 2019 12:53

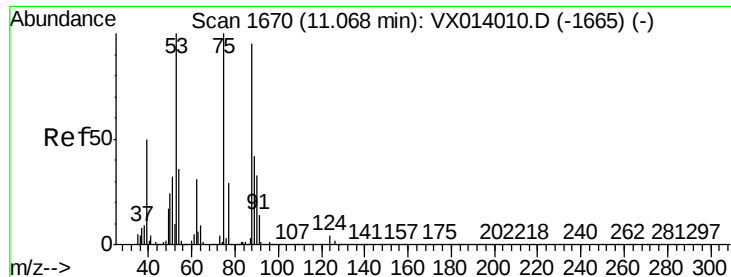
Tgt Ion: 105 Resp: 11100

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 62.540 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014196.D

Acq: 23 Dec 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

PB125630TB

Tgt Ion: 75 Resp: 190624

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#

