

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013136.D
 Acq On : 18 Oct 2019 18:41
 Operator : JC/SP
 Sample : K5451-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW7332

Quant Time: Oct 18 23:59:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	258761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85722	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	100826	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	78159	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	8.71	98	298444	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.13	95	101571	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

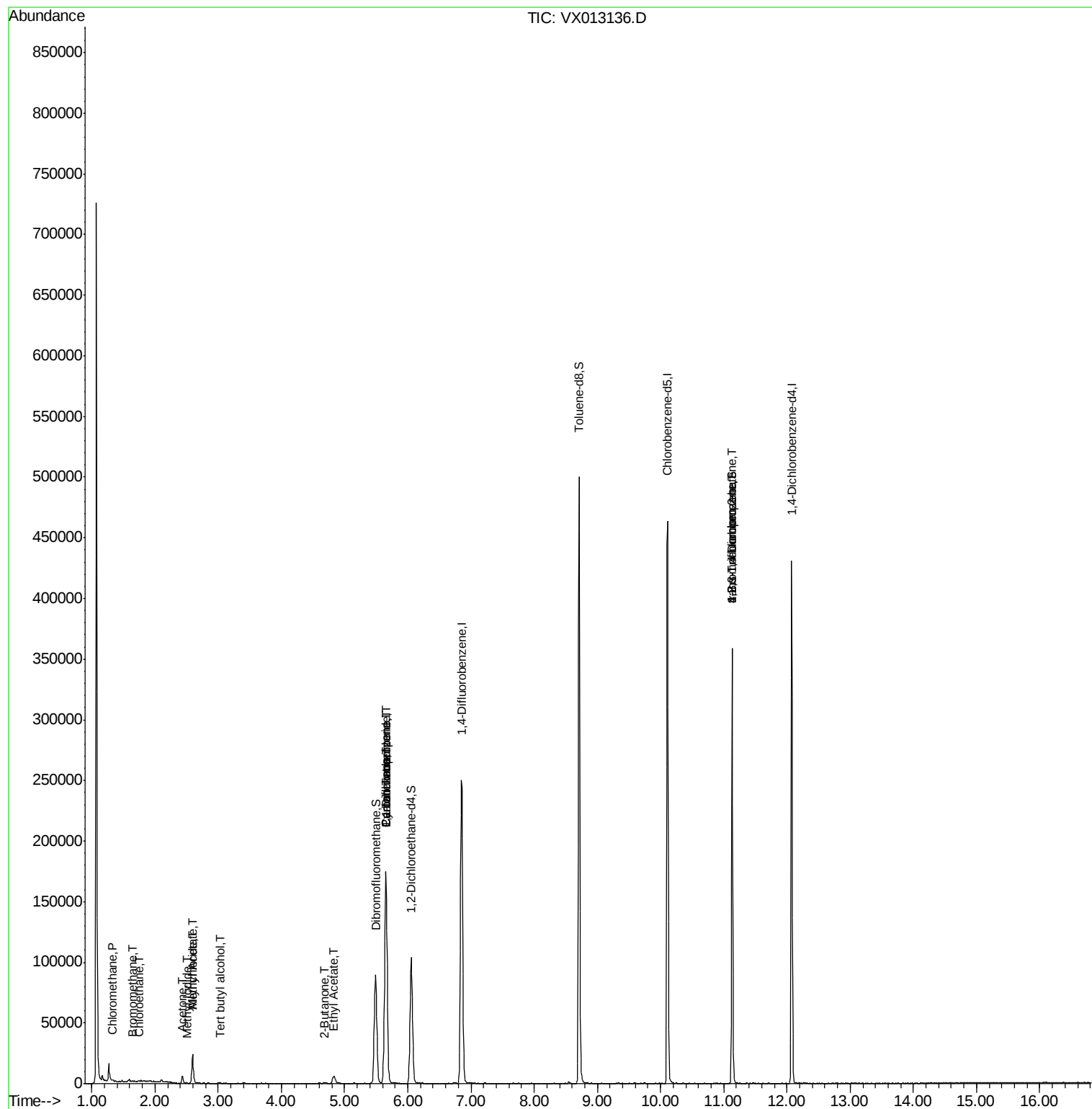
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	556	0.308	ug/l	99
5) Bromomethane	1.64	94	165	0.213	ug/l	98
6) Chloroethane	1.74	64	127	0.478	ug/l #	43
10) Methyl Iodide	2.51	142	59	5.110	ug/l #	40
11) Tert butyl alcohol	3.03	59	967	1.792	ug/l #	72
14) Allyl chloride	2.59	41	2368	0.808	ug/l #	60
16) Acetone	2.44	43	6487	6.046	ug/l	97
18) Methyl Acetate	2.59	43	6733	2.648	ug/l #	51
25) 2-Butanone	4.68	43	410	0.275	ug/l #	84
31) Cyclohexane	5.65	56	3307	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12210	5.367	ug/l #	51
37) Ethyl Acetate	4.83	43	11594	4.558	ug/l #	92
38) Carbon Tetrachloride	5.65	117	17400	7.858	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	49994	26.295	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	49994	66.177	ug/l #	10

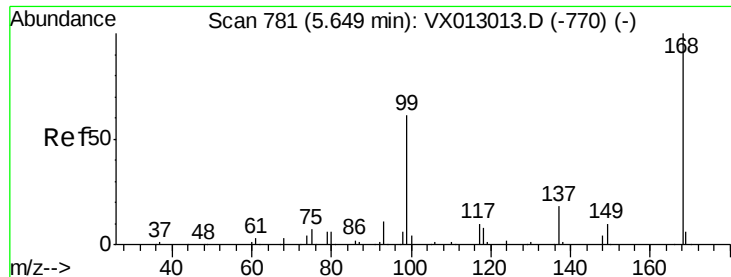
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013136.D

Acq: 18 Oct 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

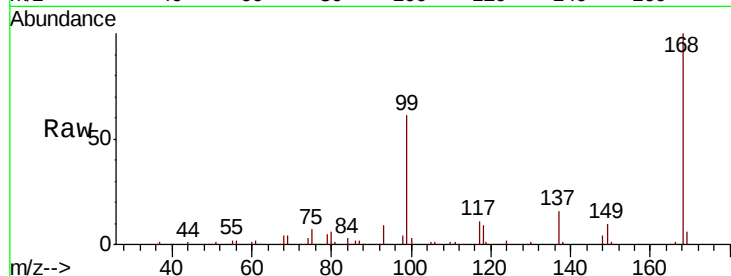
FA19-JMW7332

Tot Ion:168 Resp: 162856

Ion Ratio Lower Upper

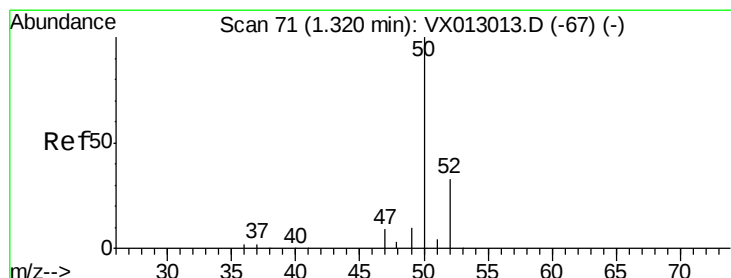
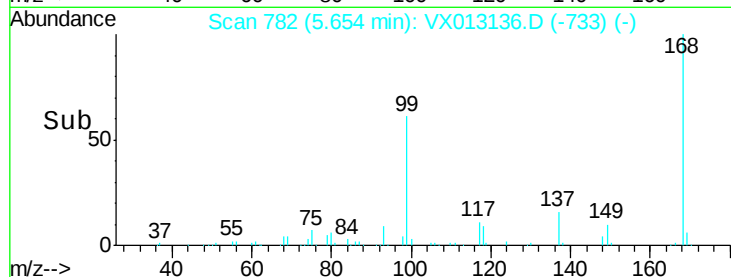
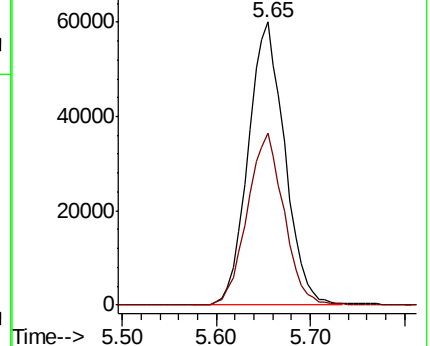
168 100

99 60.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.308 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013136.D

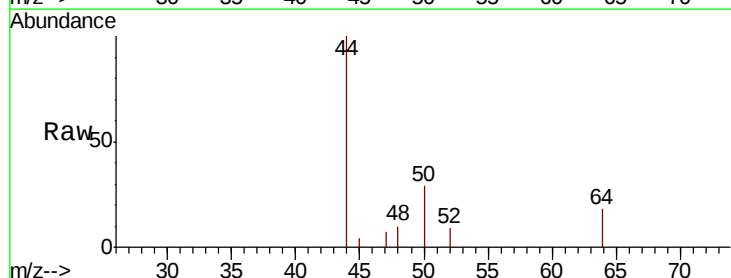
Acq: 18 Oct 2019 18:41

Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

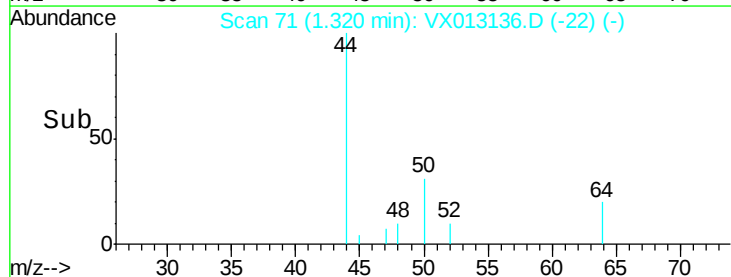
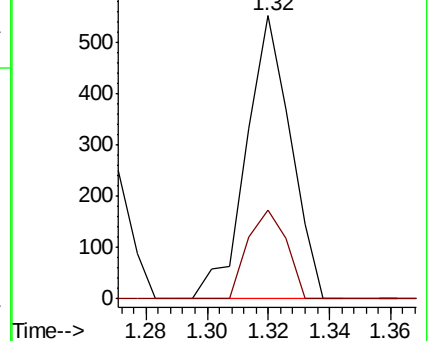
50 100

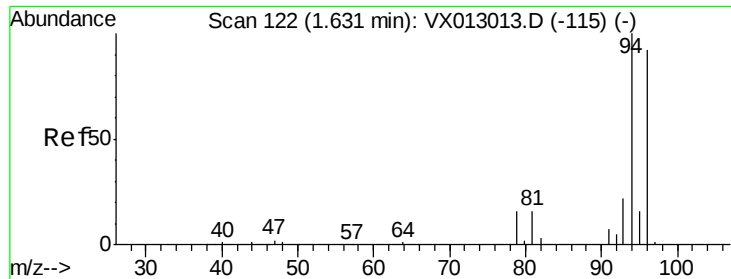
52 31.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.213 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013136.D

Acq: 18 Oct 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

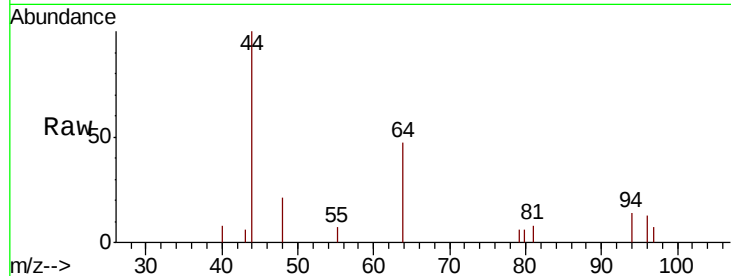
FA19-JMW7332

Tot Ion: 94 Resp: 165

Ion Ratio Lower Upper

94 100

96 91.6 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.64

1.64

1.64

1.64

1.64

1.64

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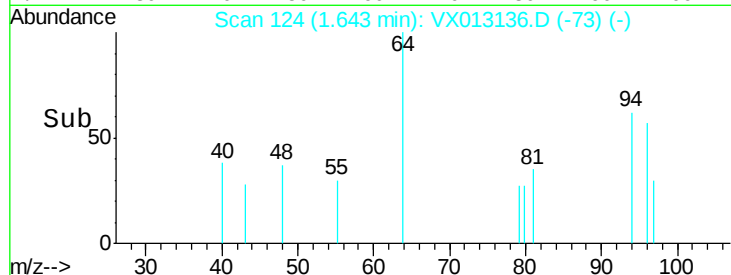
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1.64

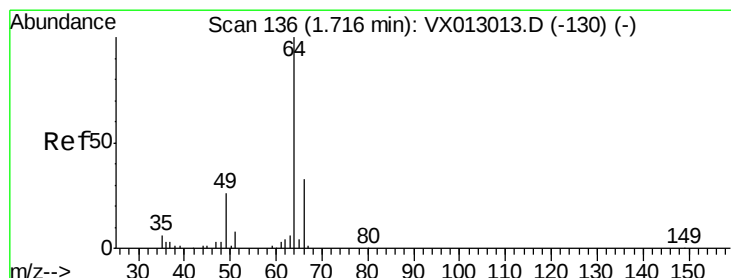
1.64

1.64

1.64



Time-->



#6

Chloroethane

Concen: 0.478 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX013136.D

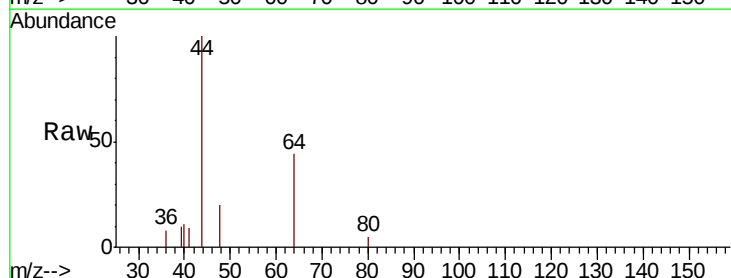
Acq: 18 Oct 2019 18:41

Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

1.74

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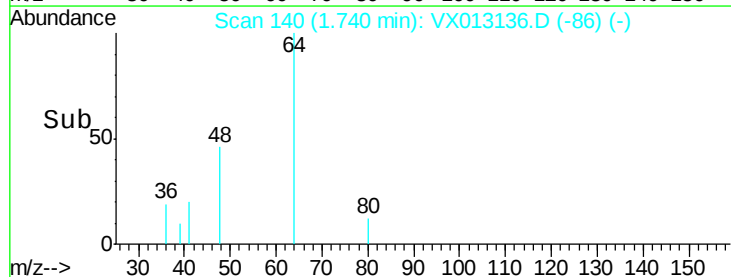
1.74

1.74

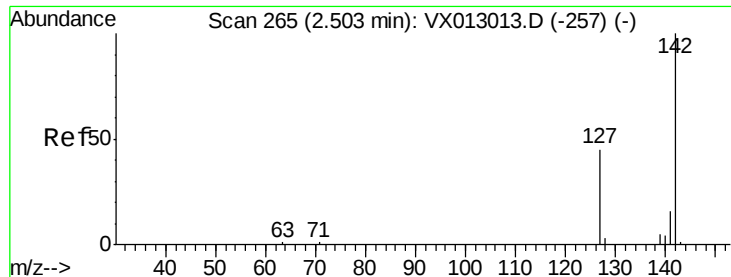
1.74

1.74

1.74



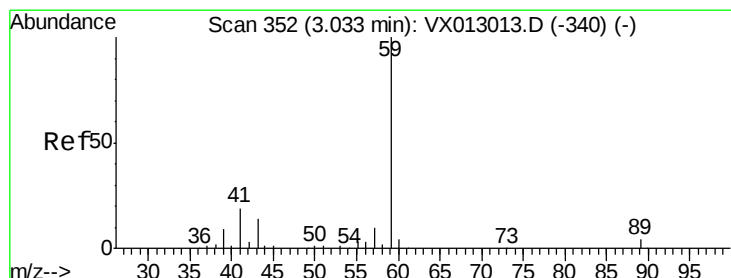
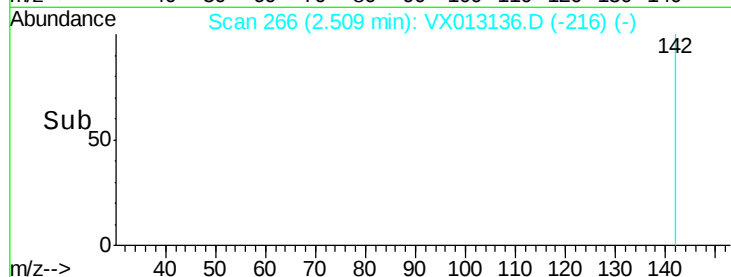
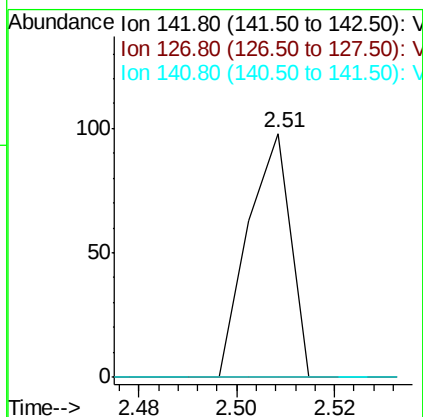
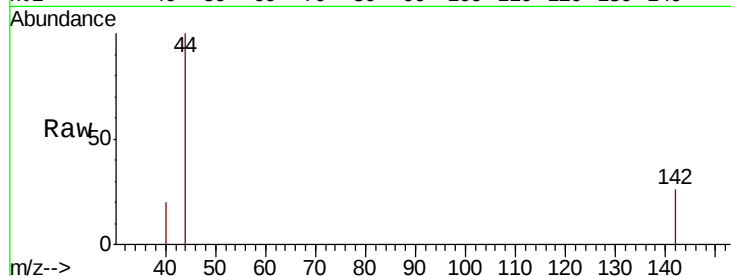
Time-->



#10
Methyl Iodide
Concen: 5.110 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

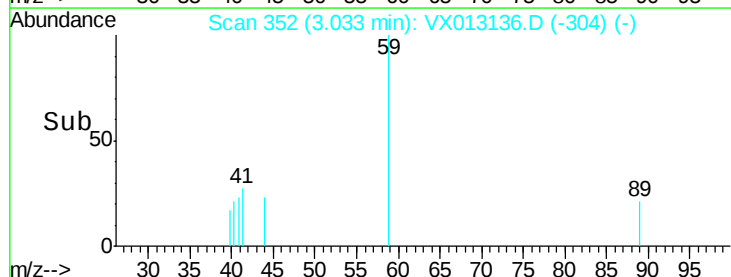
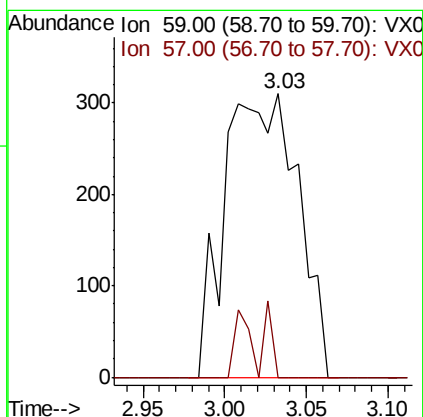
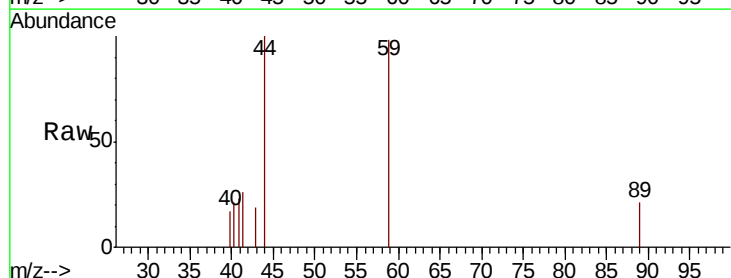
Instrument :
MSVOA_X
ClientSampled :
FA19-JMW7332

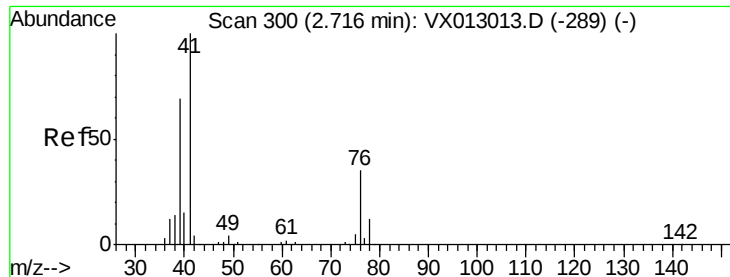
Tot Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.792 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 59 Resp: 967
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

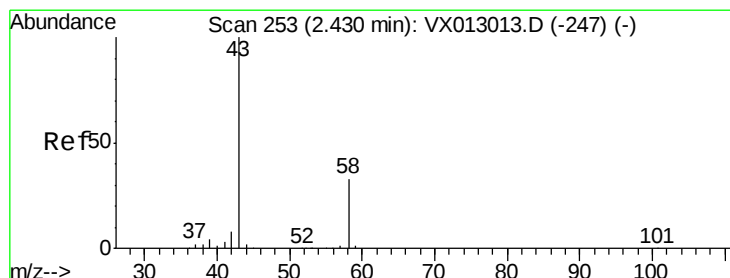
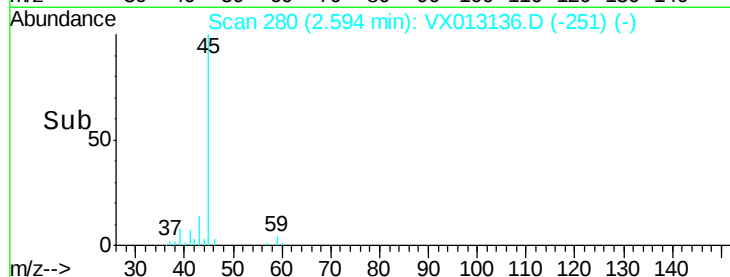
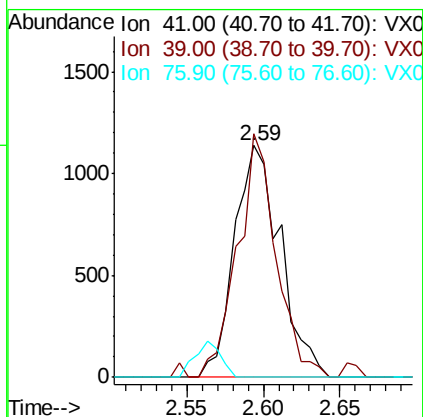
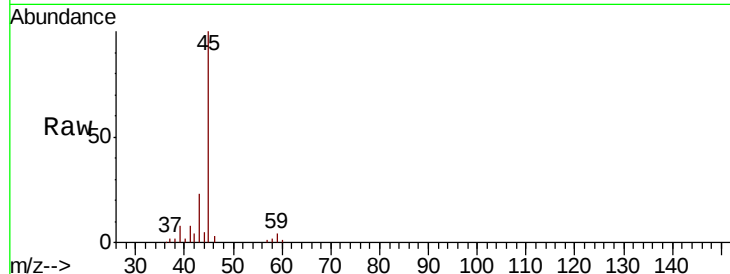




#14
Allvl chloride
Concen: 0.808 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

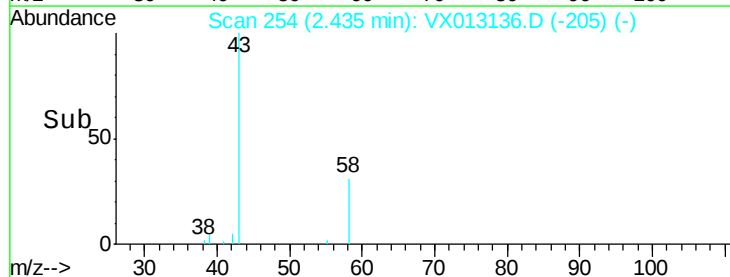
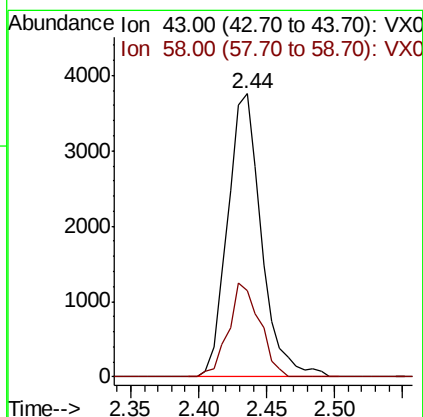
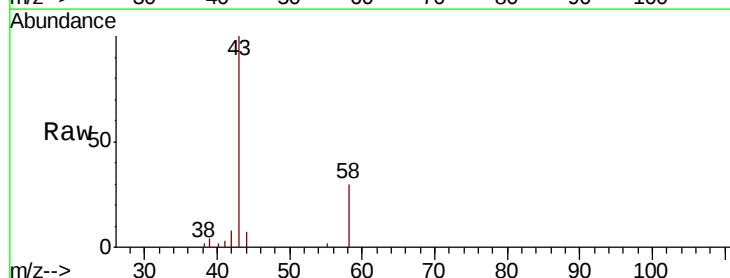
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW7332

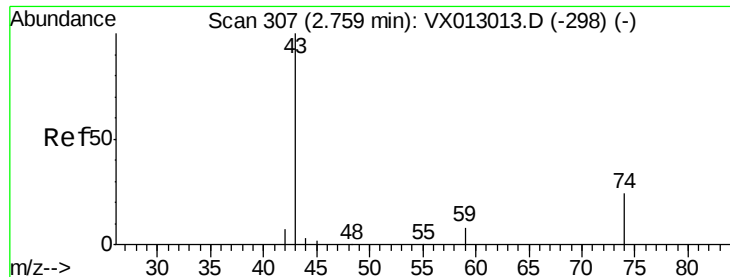
Tot Ion: 41 Resp: 2368
Ion Ratio Lower Upper
41 100
39 88.2 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 6.046 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 43 Resp: 6487
Ion Ratio Lower Upper
43 100
58 30.4 25.4 38.2

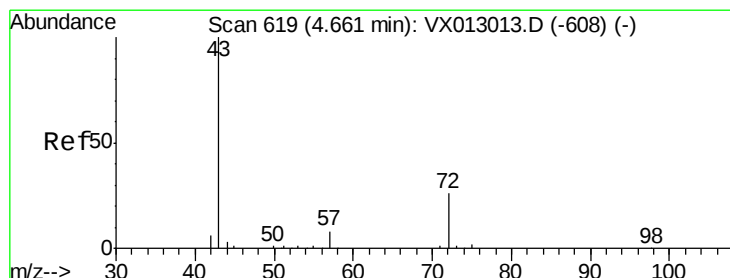
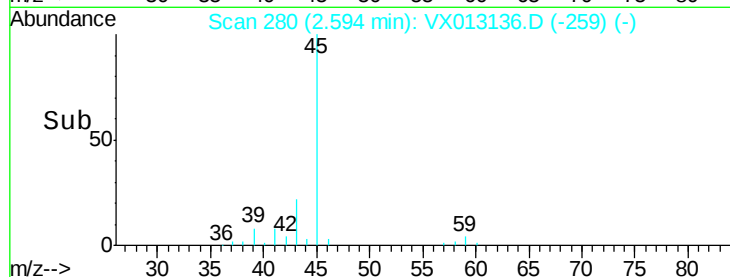
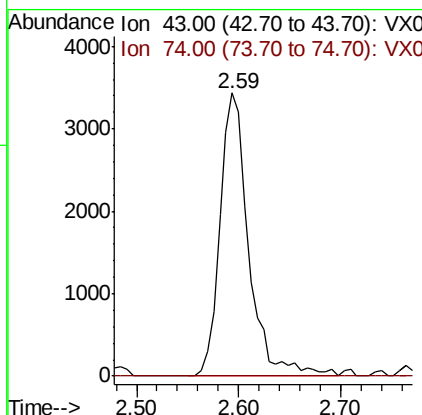
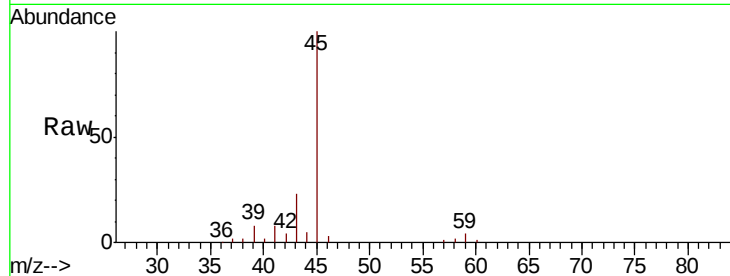




#18
Methvl Acetate
Concen: 2.648 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

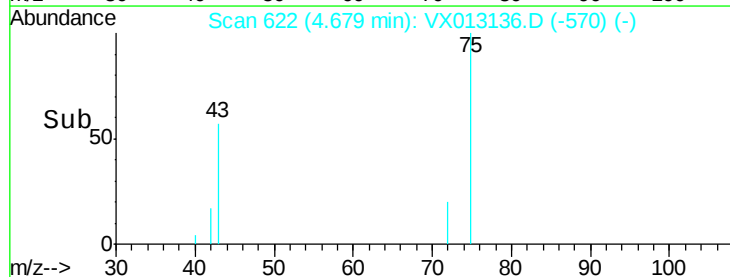
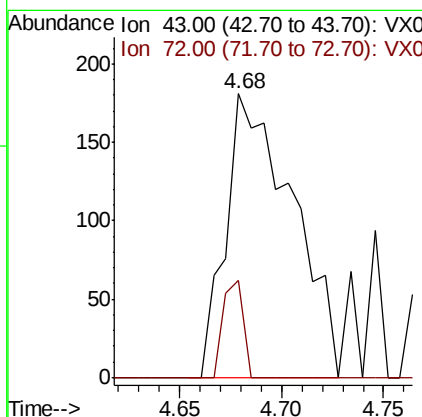
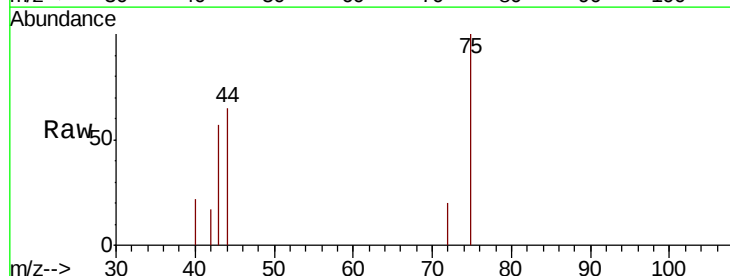
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW7332

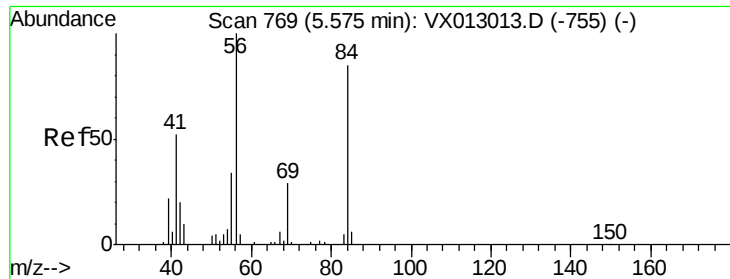
Tot Ion: 43 Resp: 6733
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.275 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
72 34.3 21.0 31.6#

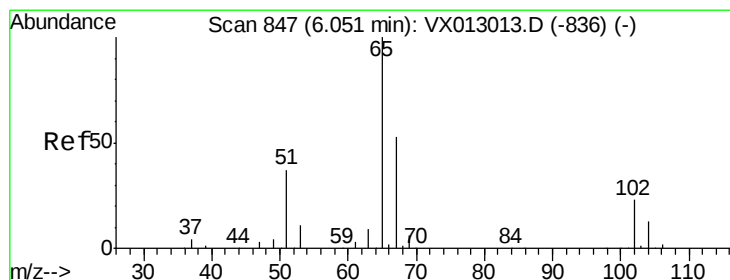
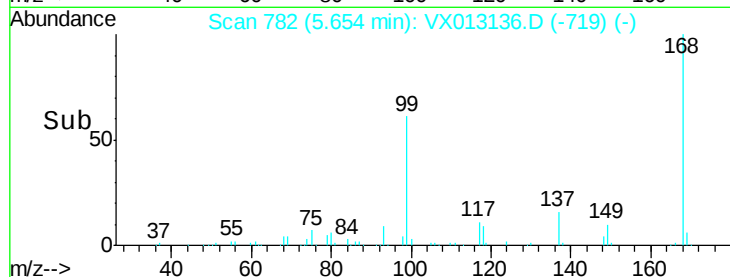
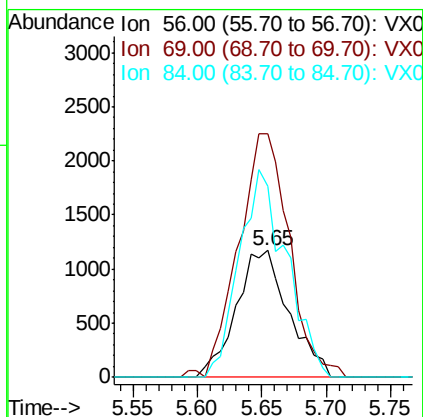
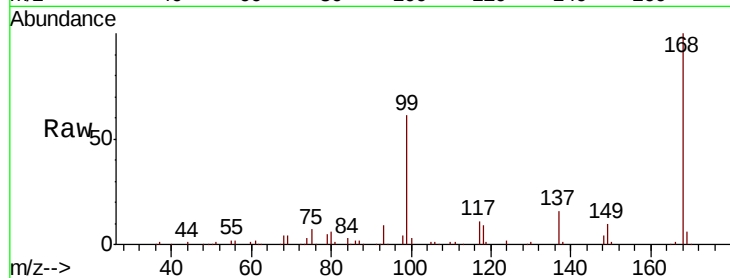




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

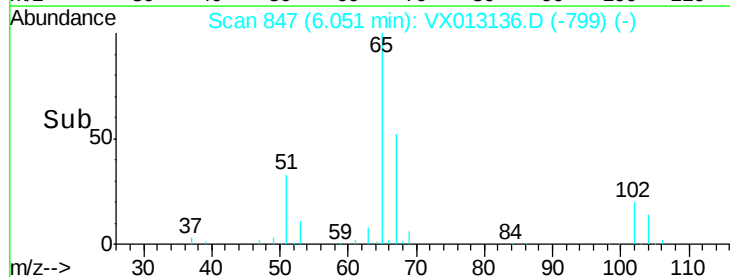
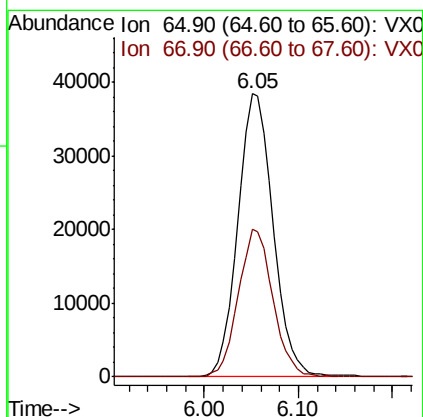
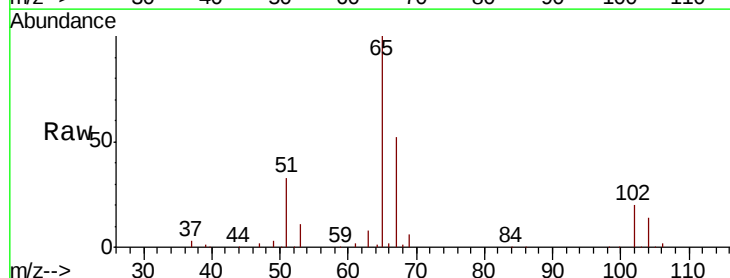
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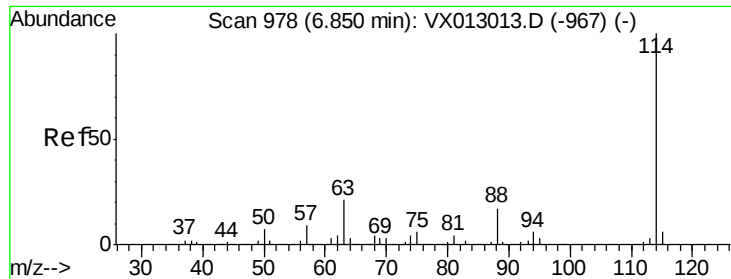
Tot Ion: 56 Resp: 3307
Ion Ratio Lower Upper
56 100
69 186.2 25.2 37.8#
84 150.9 71.3 106.9#



#33
1,2-Dichloroethane-d4
Concen: 49.534 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 65 Resp: 100826
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4

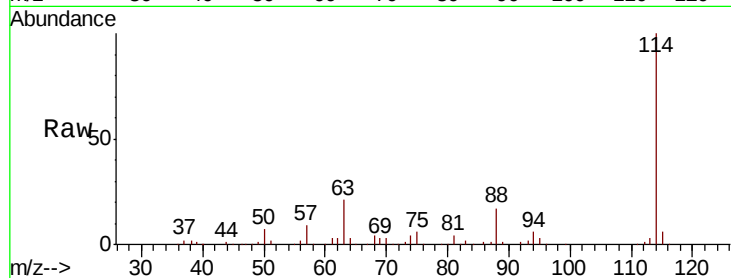




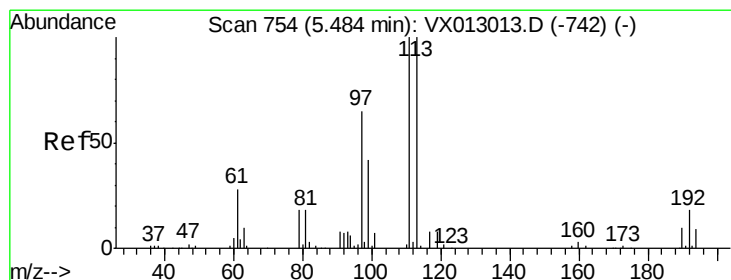
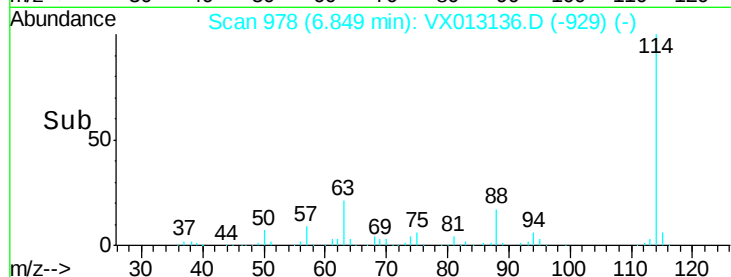
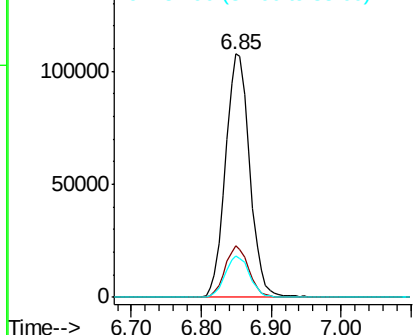
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013136.D
 Acq: 18 Oct 2019 18:41

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW7332

Tot Ion:114 Resp: 258761
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 17.1 0.0 33.8

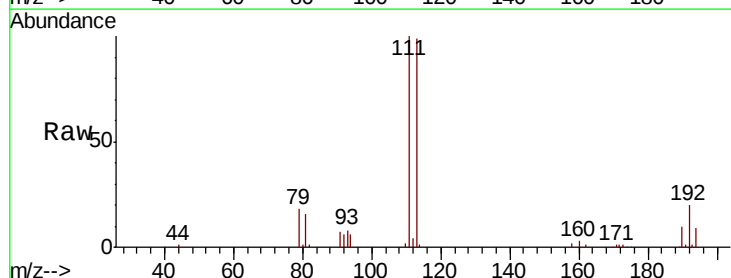


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

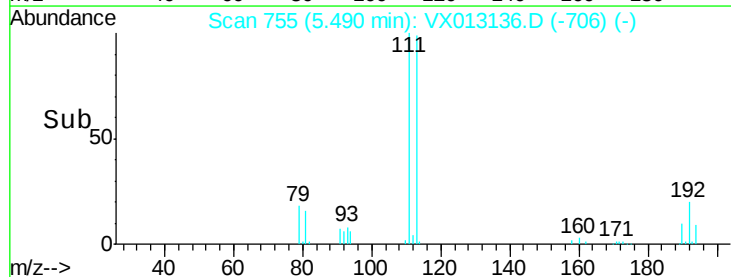
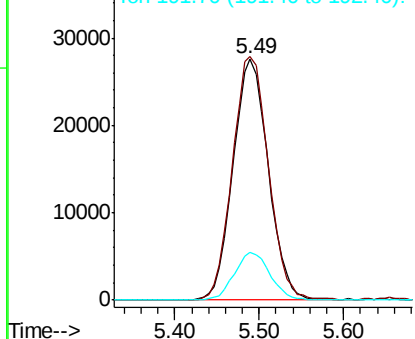


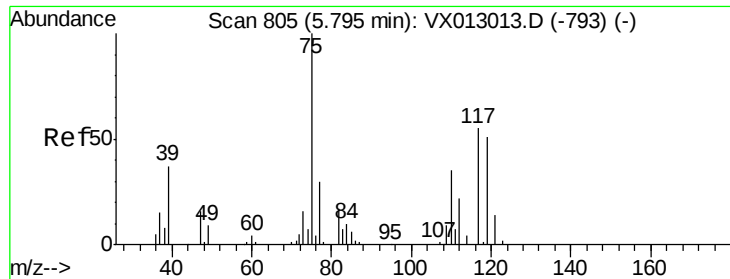
#35
 Dibromofluoromethane
 Concen: 52.627 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013136.D
 Acq: 18 Oct 2019 18:41

Tgt Ion:113 Resp: 78159
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.2 124.8
 192 19.9 15.4 23.2



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

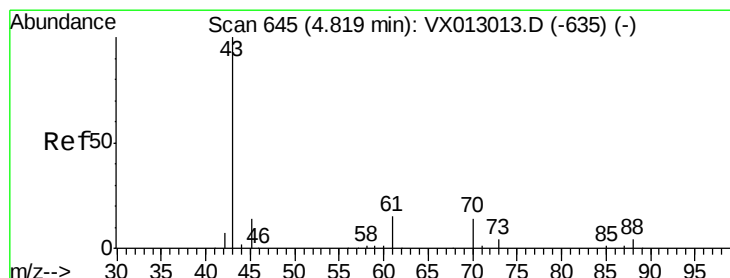
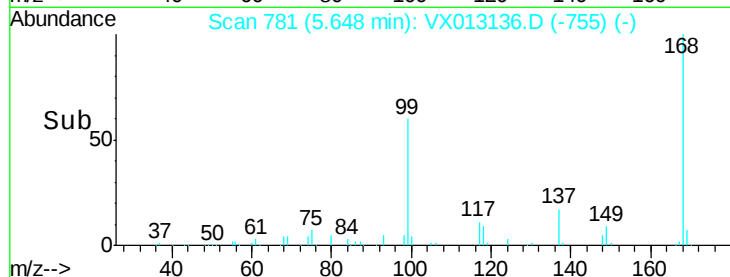
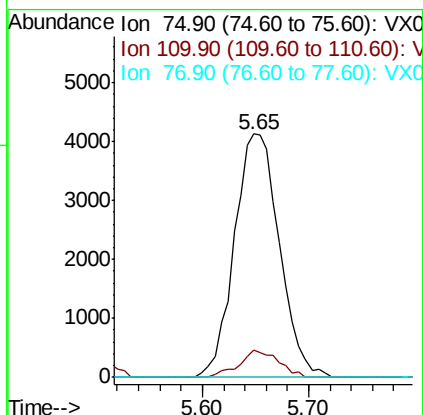
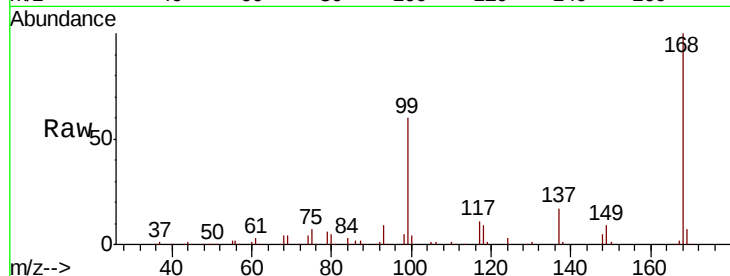




#36
 1,1-Dichloropropene
 Concen: 5.367 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013136.D
 Acq: 18 Oct 2019 18:41

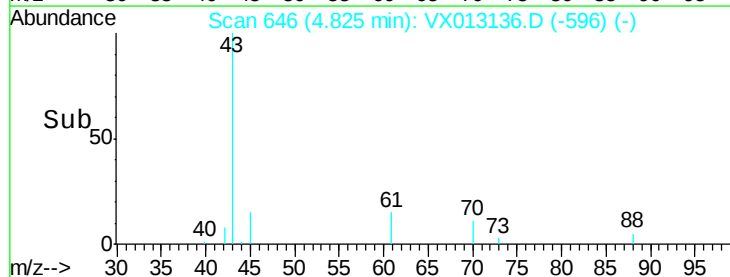
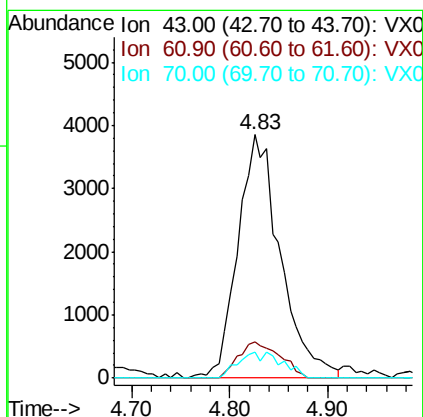
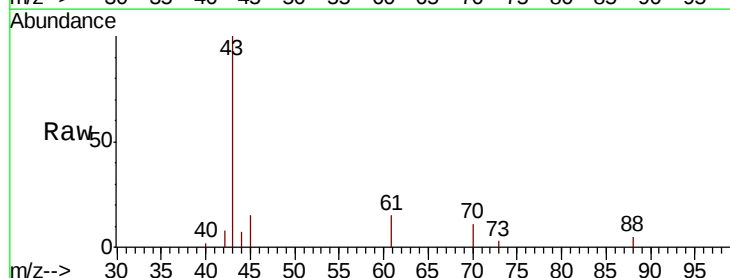
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW7332

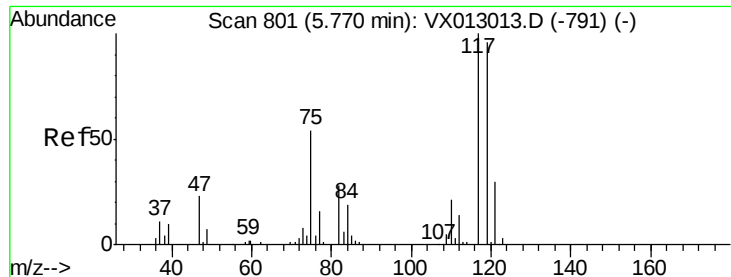
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.6	52.9#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 4.558 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX013136.D
 Acq: 18 Oct 2019 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	5.8	9.8	14.6#

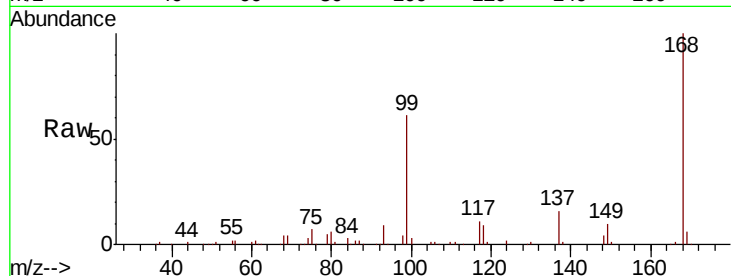




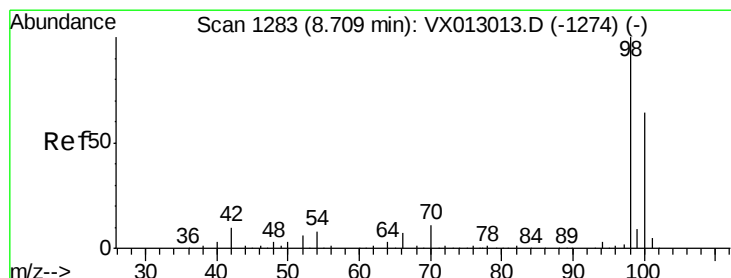
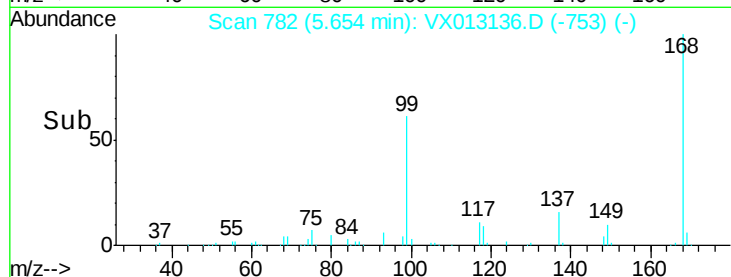
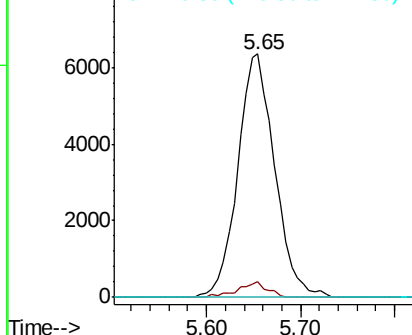
#38
Carbon Tetrachloride
Concen: 7.858 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW7332

Tot Ion:117 Resp: 17400
Ion Ratio Lower Upper
117 100
119 6.3 74.5 111.7#
121 0.0 24.2 36.4#

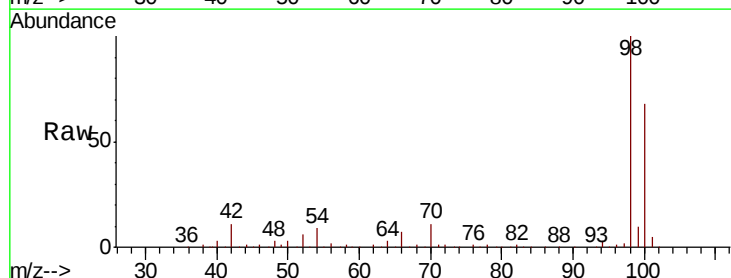


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

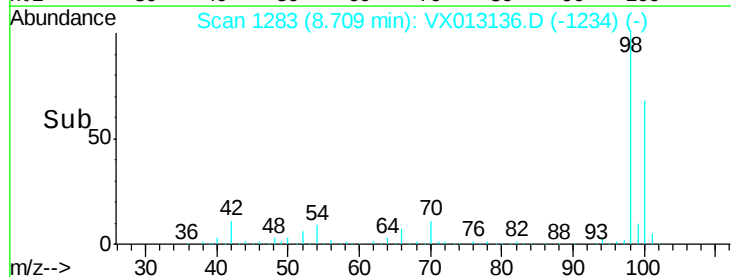
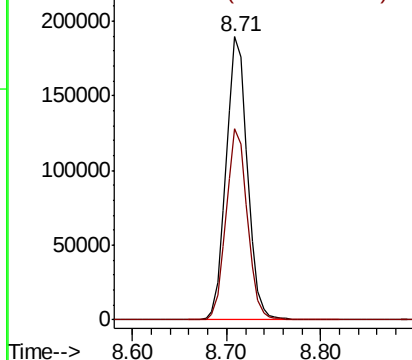


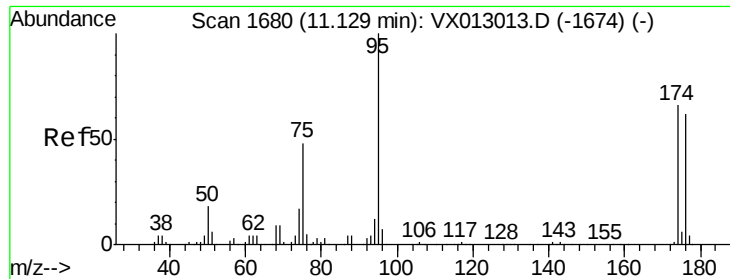
#50
Toluene-d8
Concen: 51.523 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 98 Resp: 298444
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

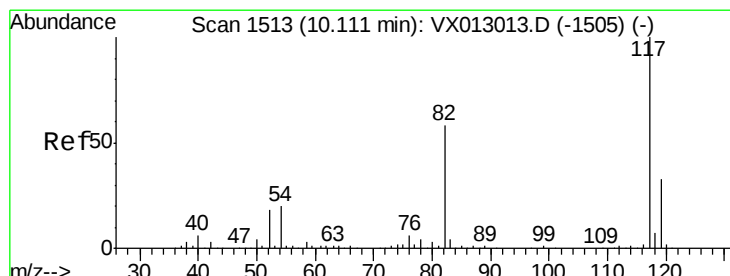
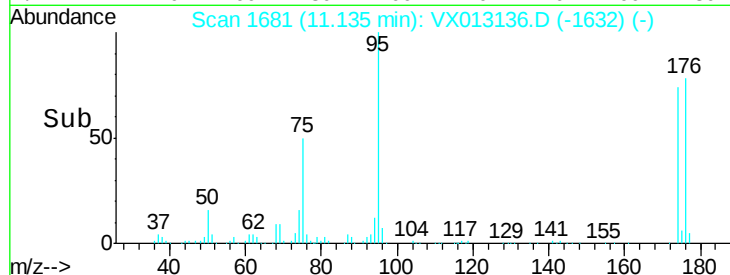
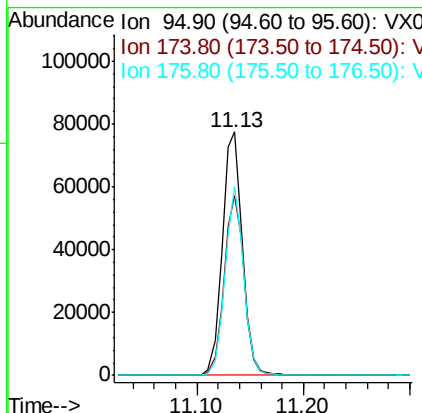
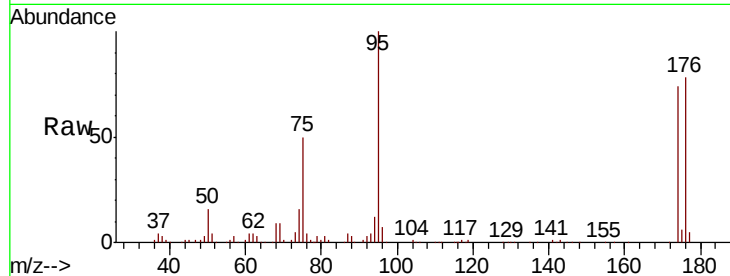




#62
4-Bromofluorobenzene
Concen: 45.129 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

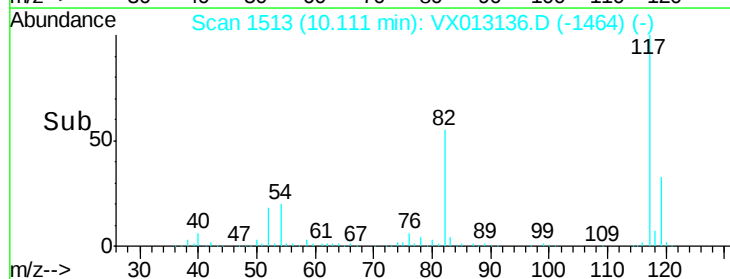
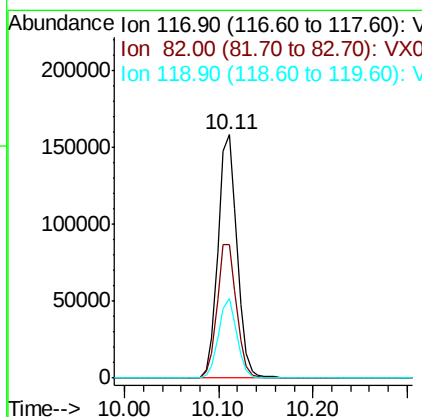
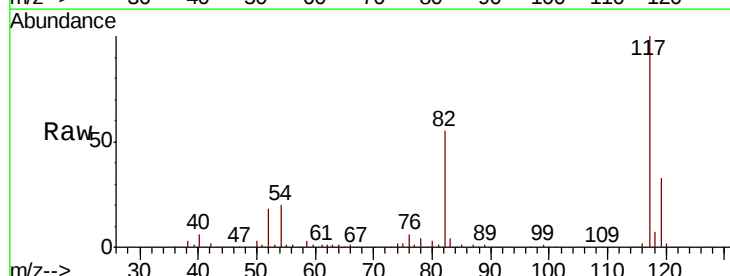
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW7332

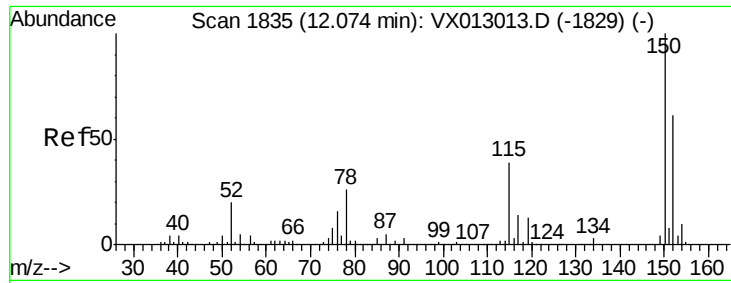
Tot Ion: 95 Resp: 101571
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.4
176 72.5 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013136.D
Acq: 18 Oct 2019 18:41

Tgt Ion: 117 Resp: 222095
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 32.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013136.D

Acq: 18 Oct 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW7332

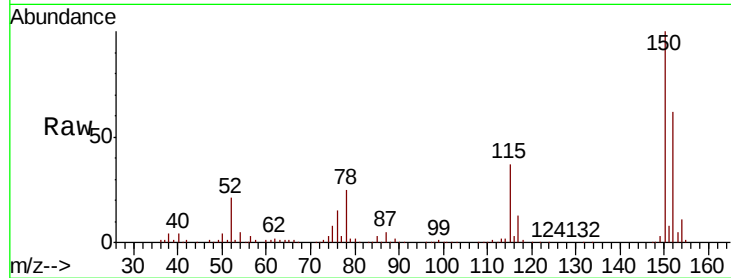
Tot Ion:152 Resp: 85722

Ion Ratio Lower Upper

152 100

115 61.7 44.5 133.5

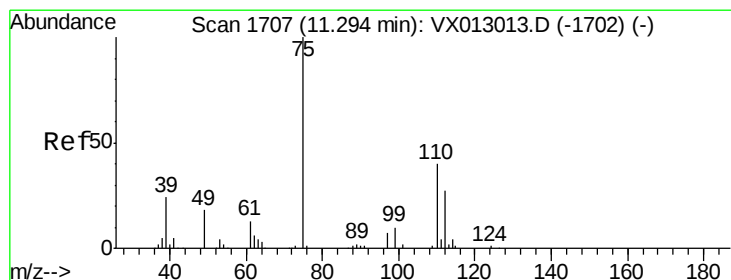
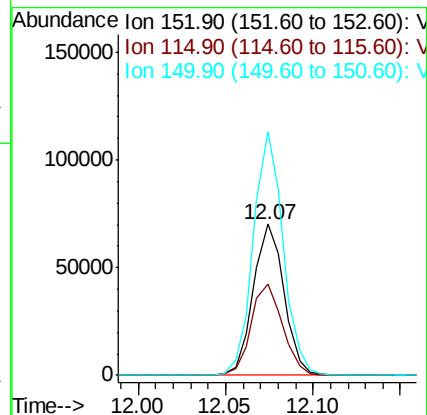
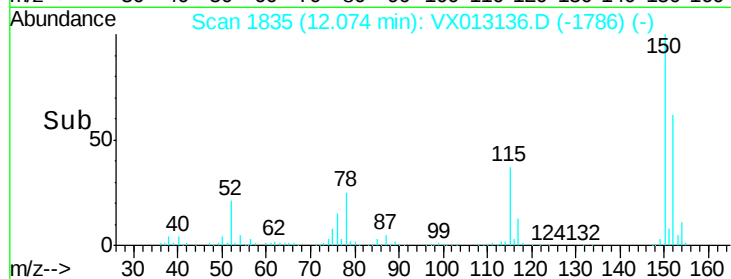
150 156.6 0.0 353.4



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: 26.295 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013136.D

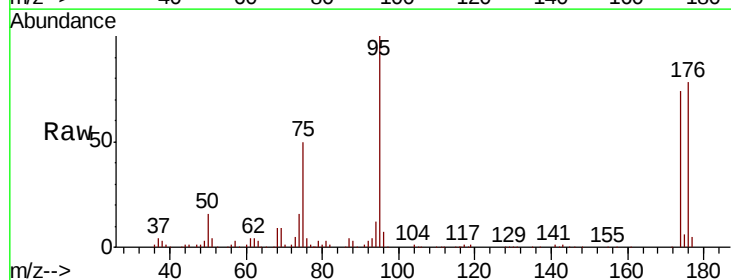
Acq: 18 Oct 2019 18:41

Tgt Ion: 75 Resp: 49994

Ion Ratio Lower Upper

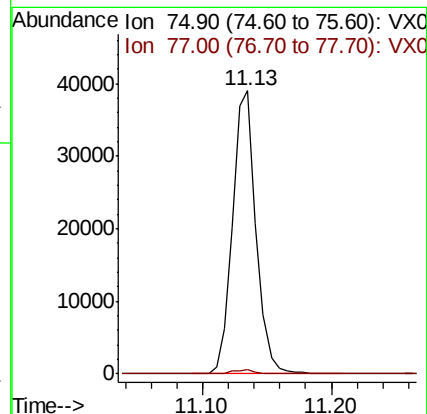
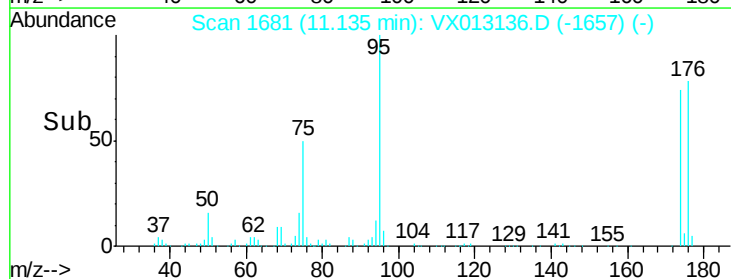
75 100

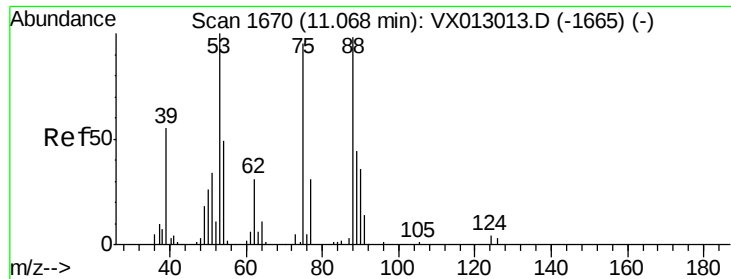
77 1.3 22.9 68.8#



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: 66.177 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013136.D

Acq: 18 Oct 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW7332

Tot Ion: 75 Resp: 49994

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 37.4 56.2#

