

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013079.D
 Acq On : 15 Oct 2019 15:40
 Operator : JC/SP
 Sample : K5336-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7725

Quant Time: Oct 16 06:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282384	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94880	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	107329	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.48	113	85141	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	8.71	98	332865	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.14	95	112559	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

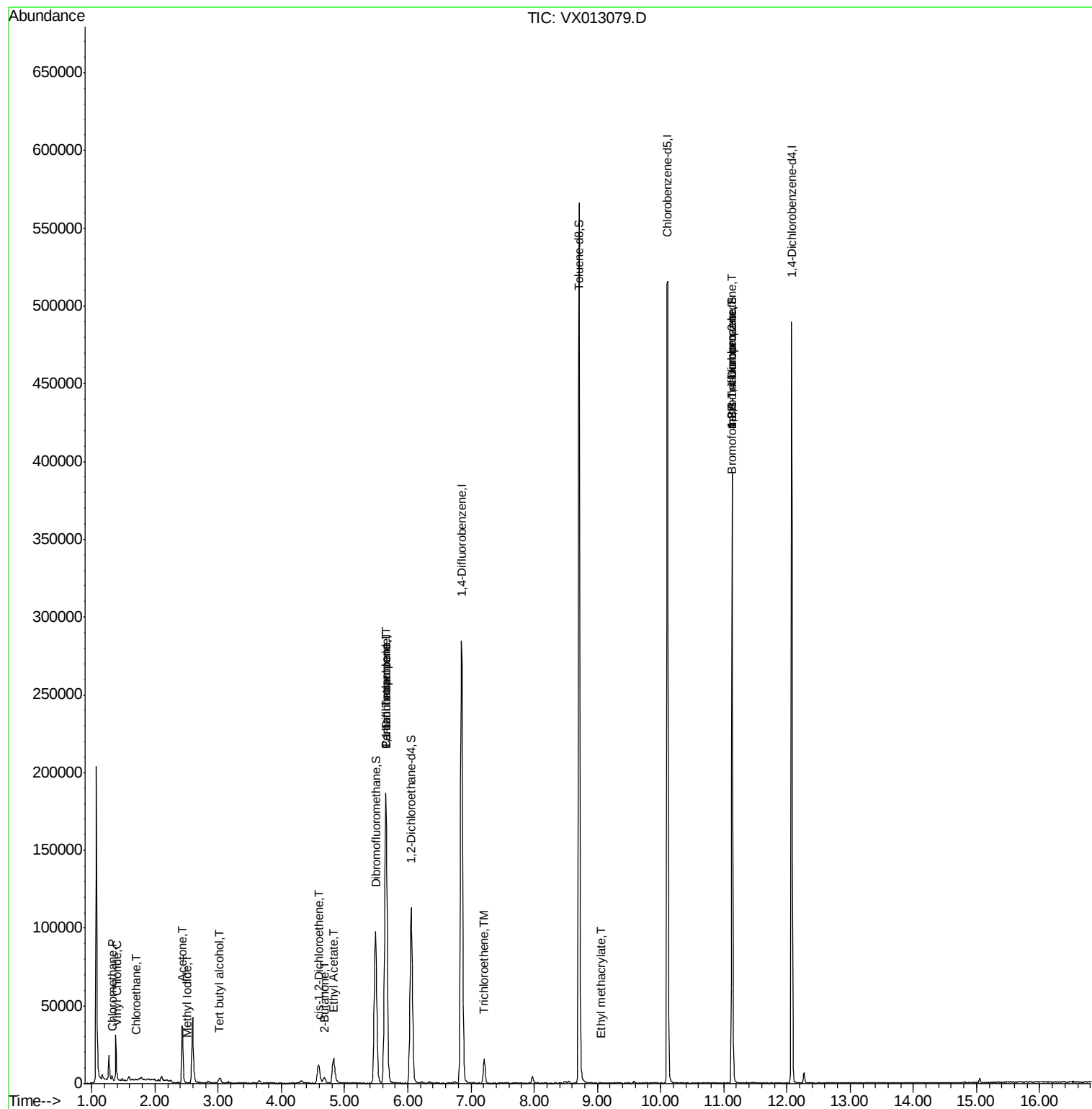
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1185	0.615	ug/l #	62
4) Vinyl Chloride	1.40	62	1041	0.523	ug/l	98
6) Chloroethane	1.72	64	360	0.662	ug/l #	43
10) Methyl Iodide	2.50	142	196	5.171	ug/l #	52
11) Tert butyl alcohol	3.03	59	4091	7.105	ug/l	97
16) Acetone	2.43	43	39893	34.847	ug/l	100
25) 2-Butanone	4.68	43	5157	3.247	ug/l	91
27) cis-1,2-Dichloroethene	4.58	96	7674	3.537	ug/l	95
36) 1,1-Dichloropropene	5.65	75	13828	5.570	ug/l #	50
37) Ethyl Acetate	4.82	43	28017	10.092	ug/l	97
38) Carbon Tetrachloride	5.65	117	17576	7.273	ug/l #	17
44) Trichloroethene	7.21	130	6110	3.005	ug/l	79
56) Ethyl methacrylate	9.06	69	20	1.837	ug/l #	25
71) Bromoform	11.12	173	148	3.230	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	56470	26.834	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	56470	67.451	ug/l #	10

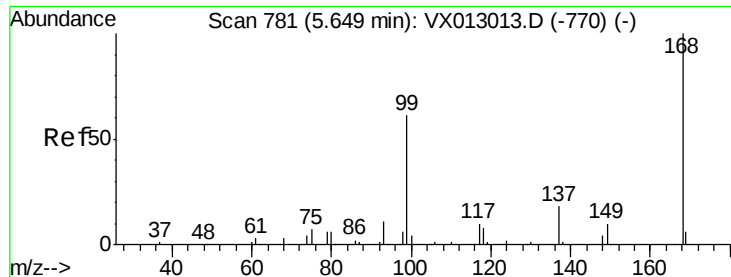
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 16 06:00:46 2019
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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 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: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

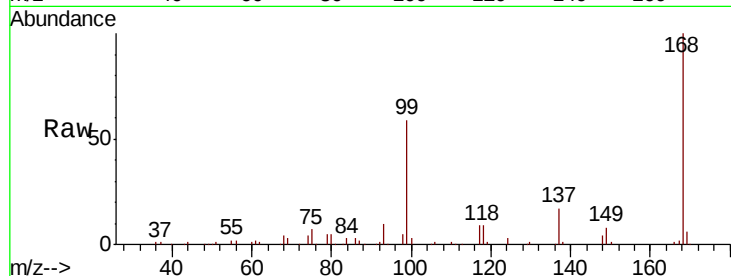
FA19-JBW7725

Tot Ion:168 Resp: 173771

Ion Ratio Lower Upper

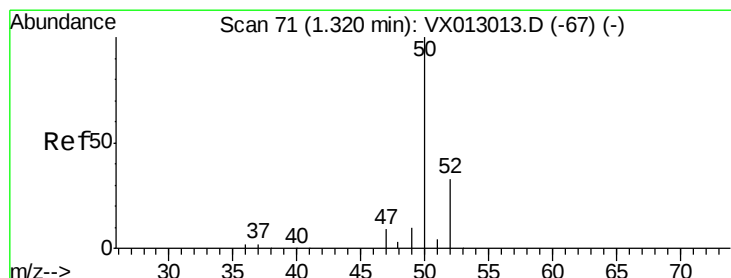
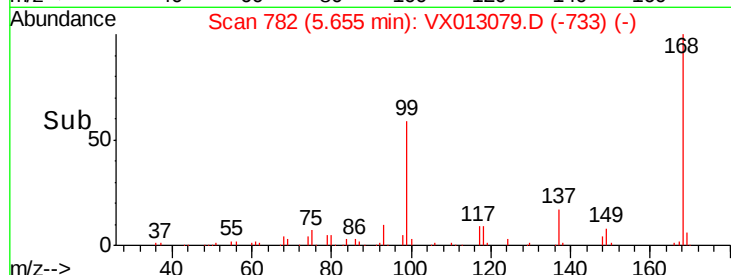
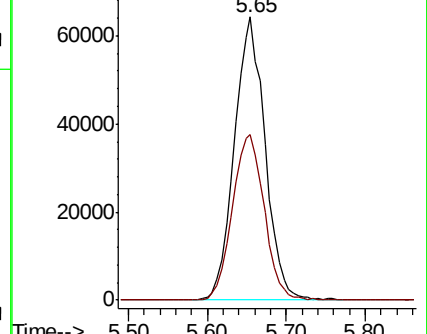
168 100

99 58.7 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: 0.615 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013079.D

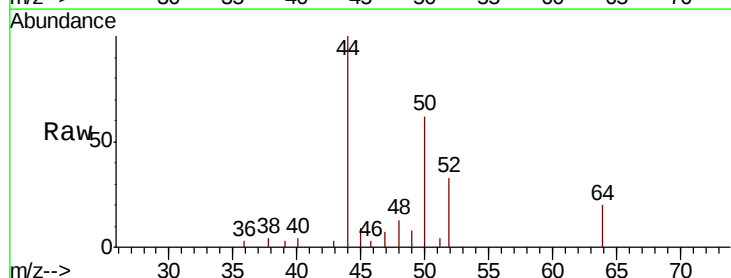
Acq: 15 Oct 2019 15:40

Tgt Ion: 50 Resp: 1185

Ion Ratio Lower Upper

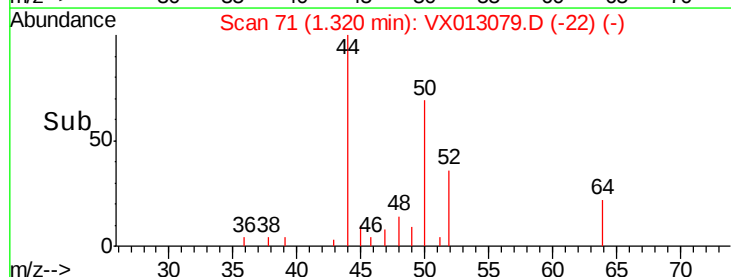
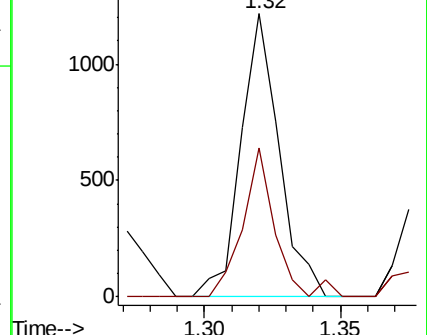
50 100

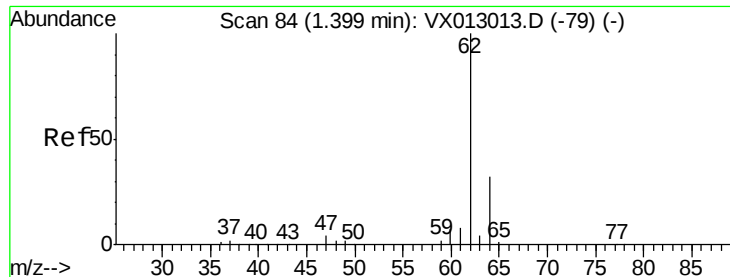
52 52.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.523 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampled :

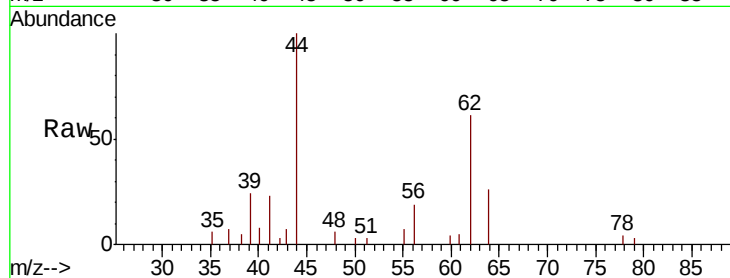
FA19-JBW7725

Tot Ion: 62 Resp: 1041

Ion Ratio Lower Upper

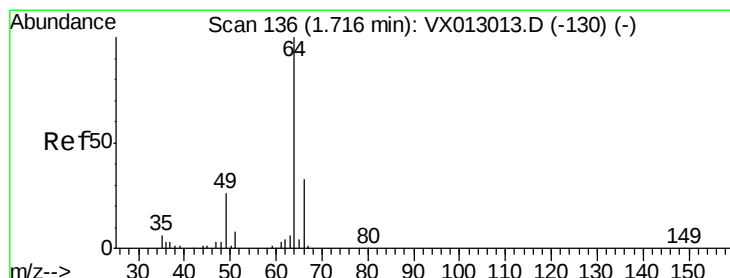
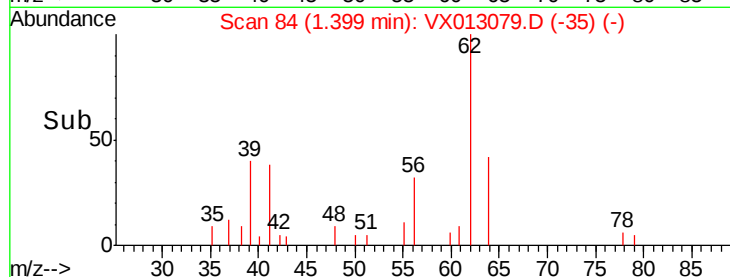
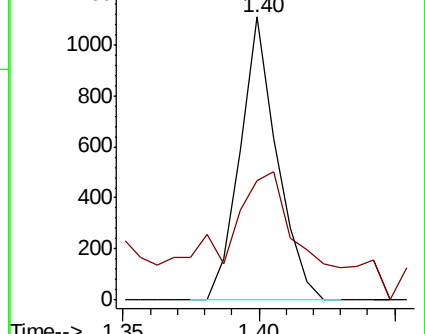
62 100

64 30.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.662 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013079.D

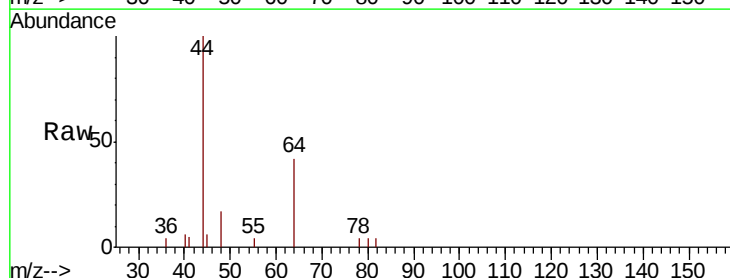
Acq: 15 Oct 2019 15:40

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

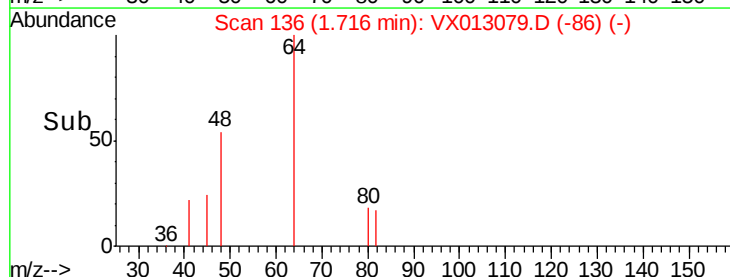
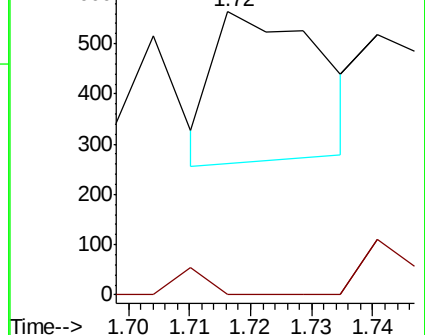
64 100

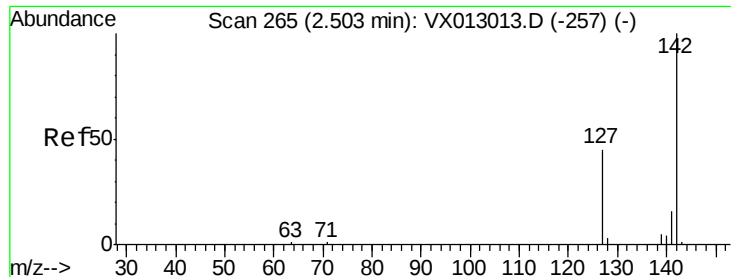
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

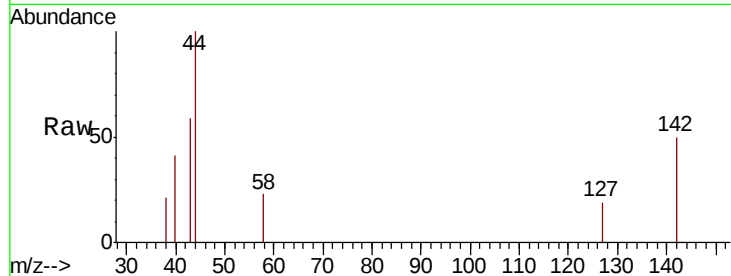




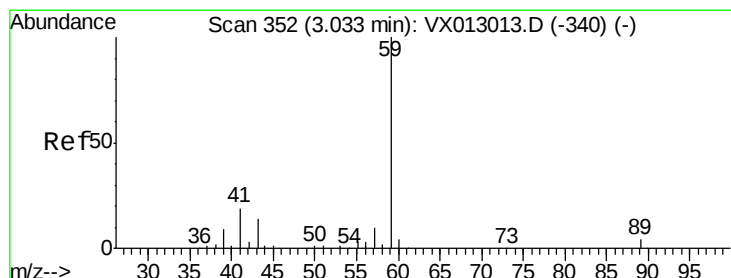
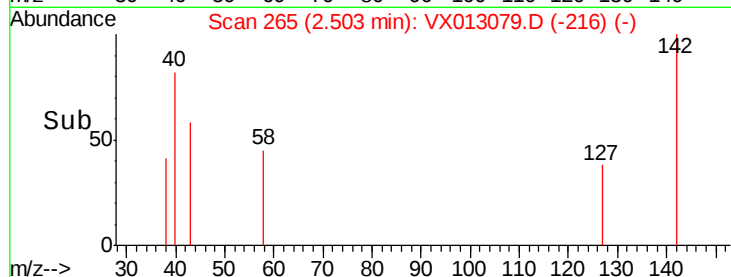
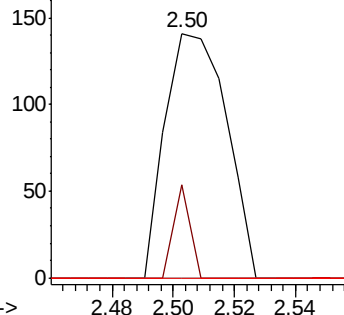
#10
Methvl Iodide
Concen: 5.171 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7725

Tot Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 10.2 34.9 52.3#
141 0.0 11.6 17.4#

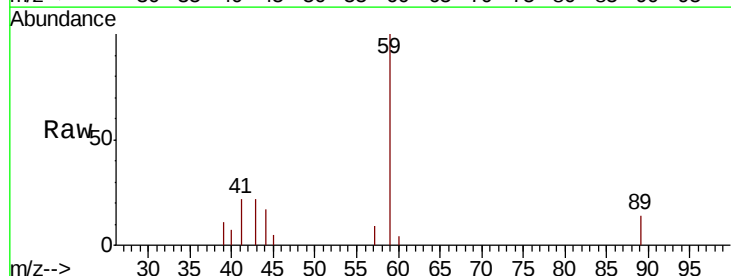


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

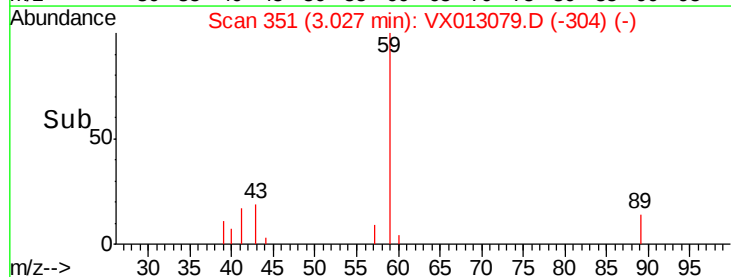
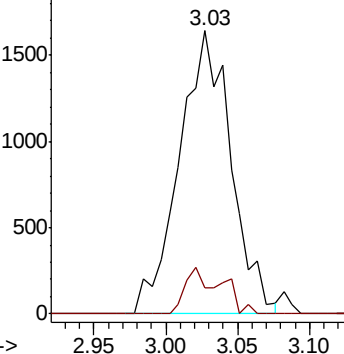


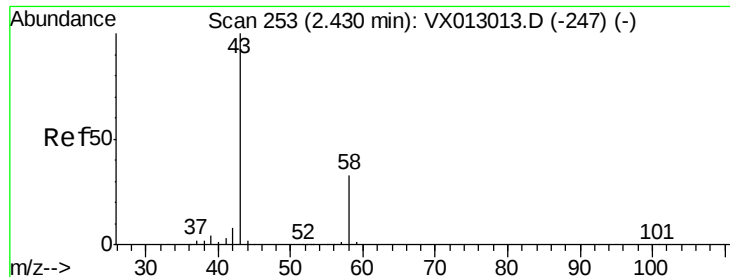
#11
Tert butyl alcohol
Concen: 7.105 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

Tgt Ion: 59 Resp: 4091
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 34.847 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

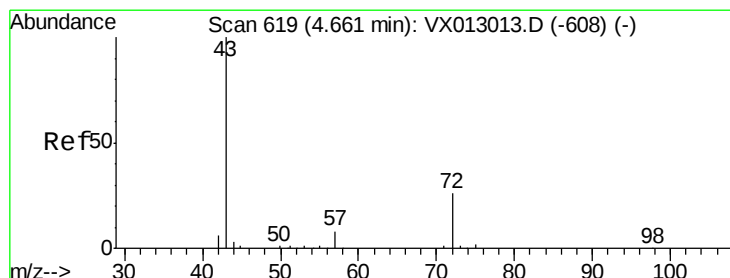
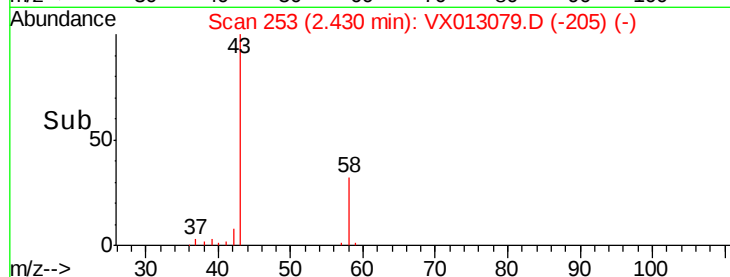
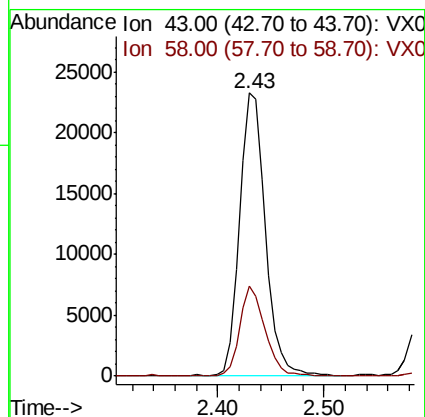
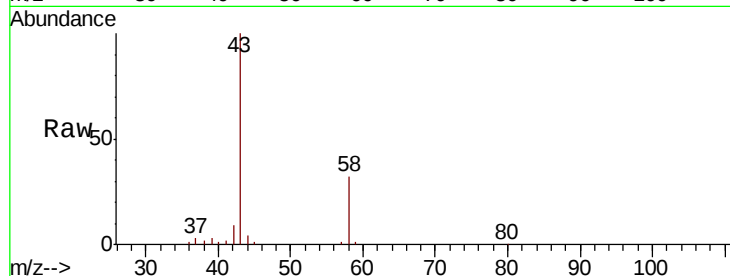
FA19-JBW7725

Tot Ion: 43 Resp: 39893

Ion Ratio Lower Upper

43 100

58 31.7 25.4 38.2



#25

2-Butanone

Concen: 3.247 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013079.D

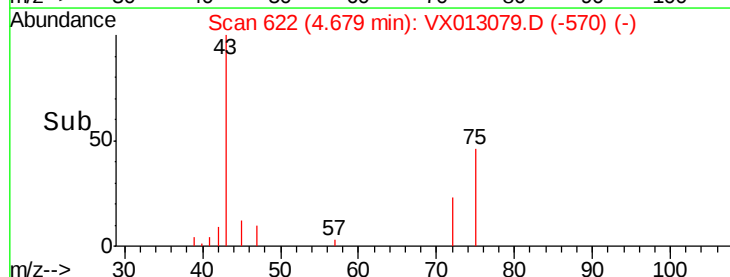
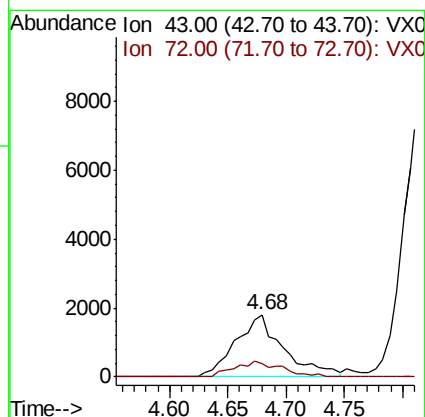
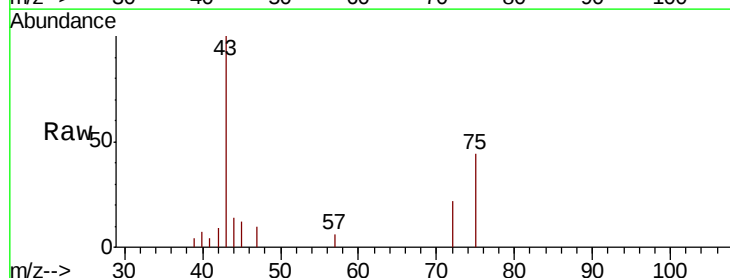
Acq: 15 Oct 2019 15:40

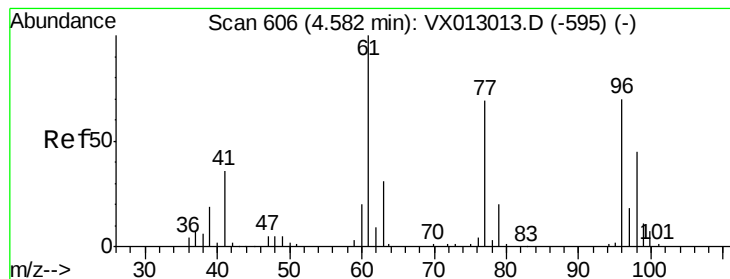
Tgt Ion: 43 Resp: 5157

Ion Ratio Lower Upper

43 100

72 21.8 21.0 31.6





#27

cis-1,2-Dichloroethene

Concen: 3.537 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7725

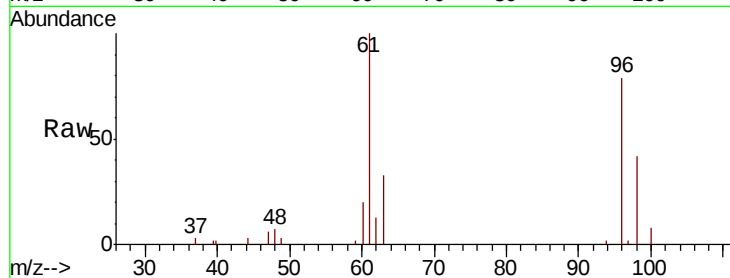
Tot Ion: 96 Resp: 7674

Ion Ratio Lower Upper

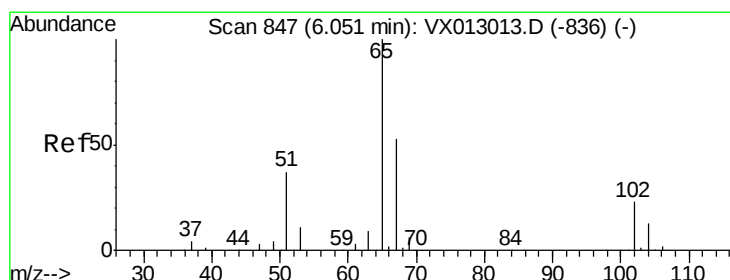
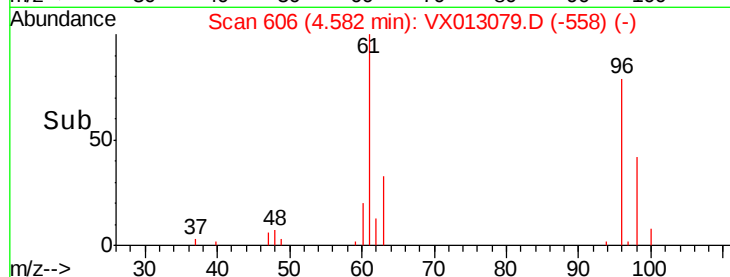
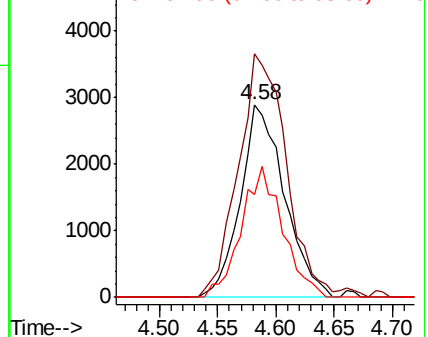
96 100

61 136.5 0.0 290.6

98 63.8 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.417 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013079.D

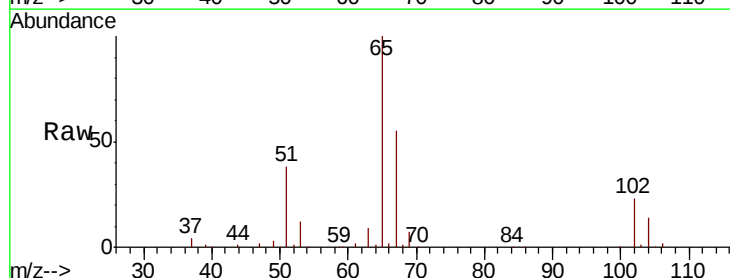
Acq: 15 Oct 2019 15:40

Tgt Ion: 65 Resp: 107329

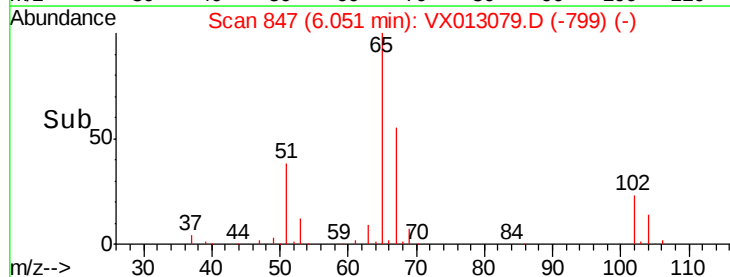
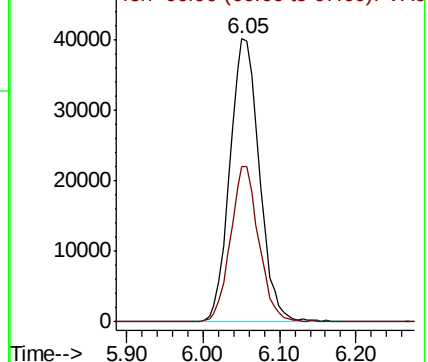
Ion Ratio Lower Upper

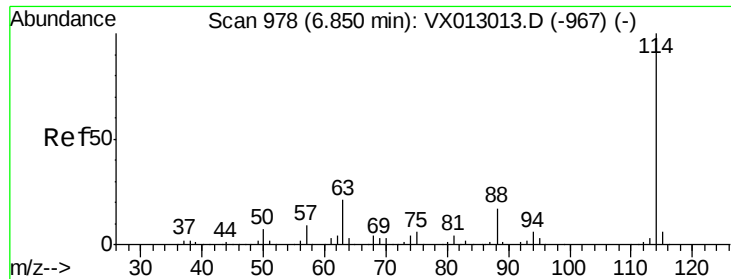
65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

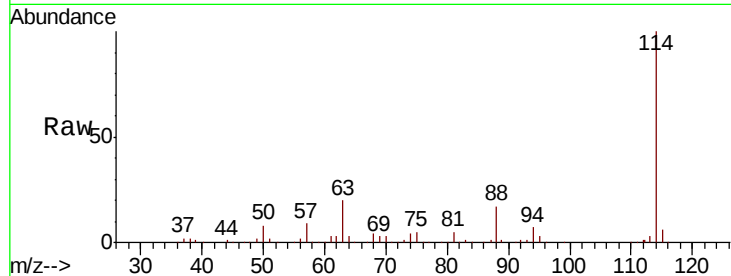




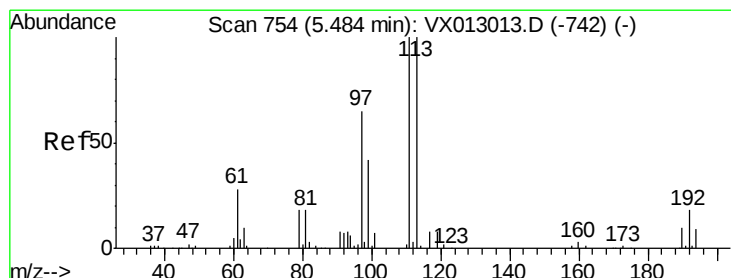
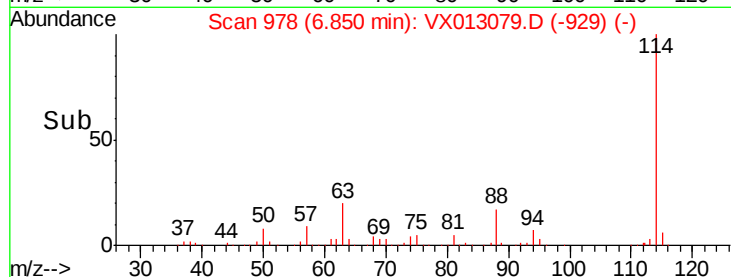
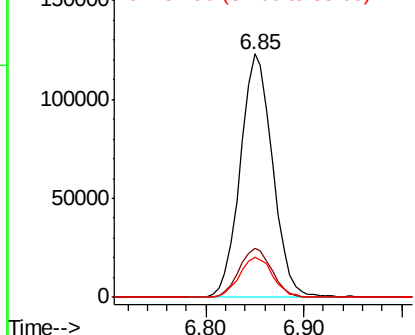
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7725

Tot Ion:114 Resp: 282384
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.6 0.0 33.8

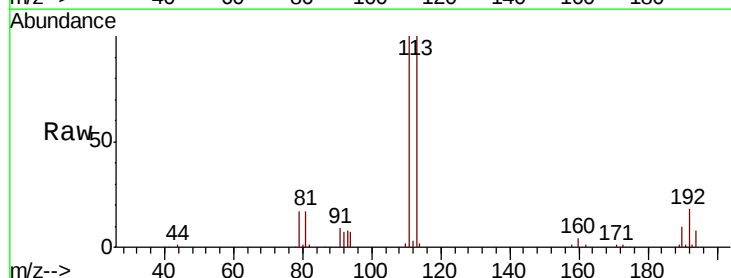


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

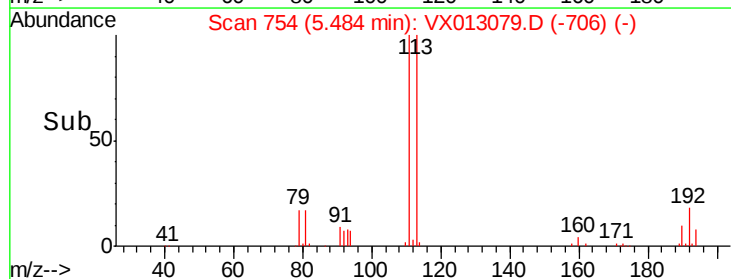
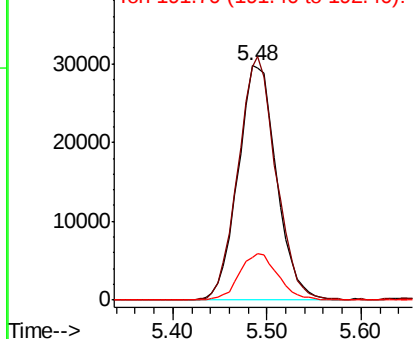


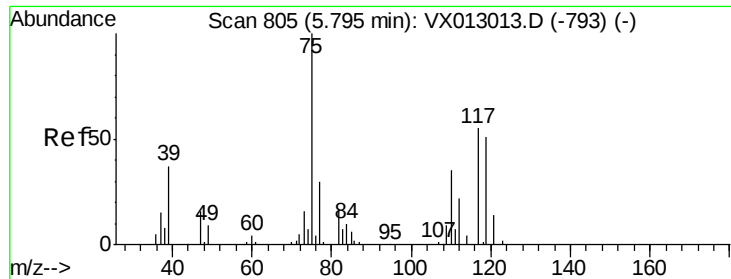
#35
Dibromofluoromethane
Concen: 52.532 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

Tgt Ion:113 Resp: 85141
Ion Ratio Lower Upper
113 100
111 101.8 83.2 124.8
192 19.8 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

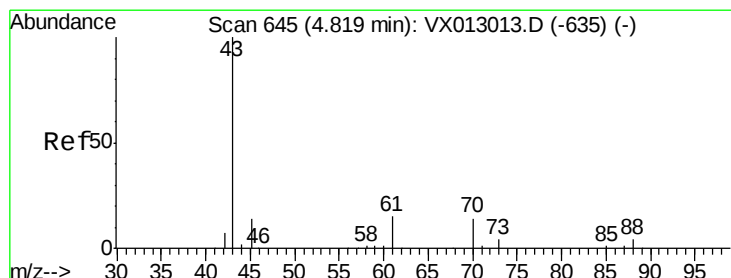
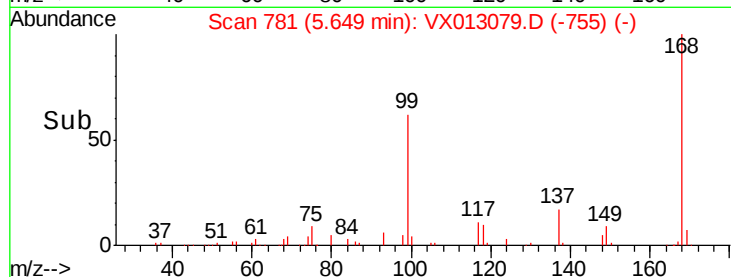
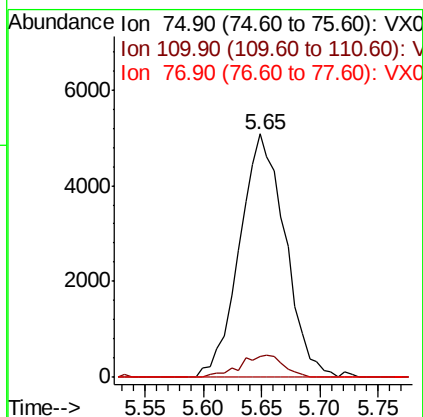
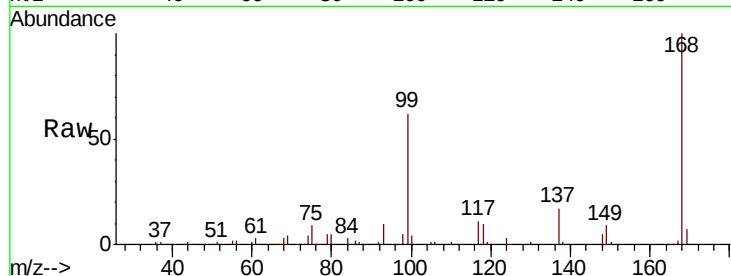




#36
 1,1-Dichloropropene
 Concen: 5.570 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013079.D
 Acq: 15 Oct 2019 15:40

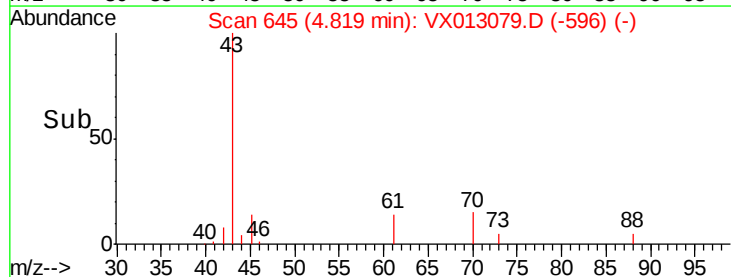
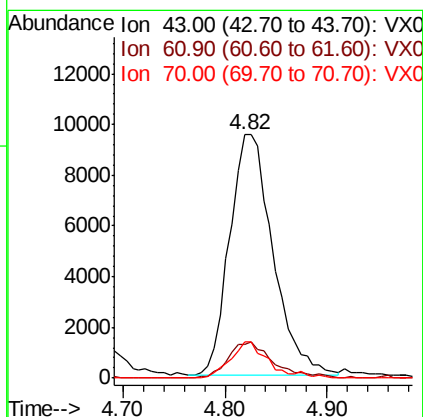
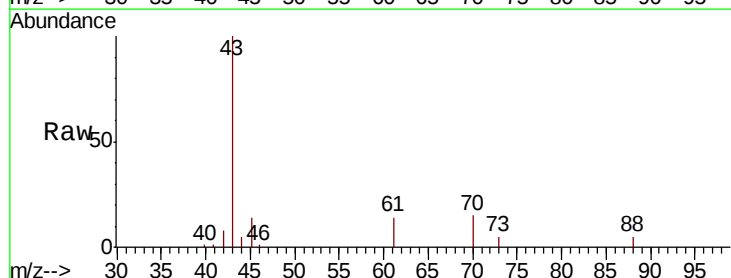
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7725

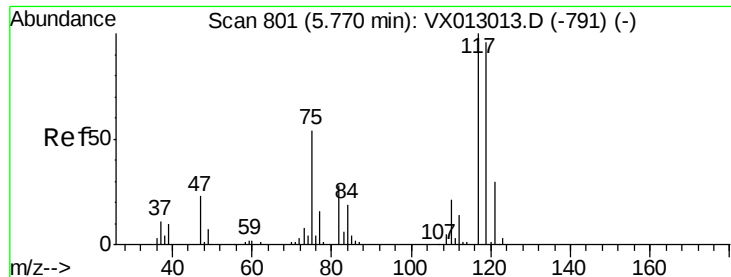
Tot Ion: 75 Resp: 13828
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 10.092 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX013079.D
 Acq: 15 Oct 2019 15:40

Tgt Ion: 43 Resp: 28017
 Ion Ratio Lower Upper
 43 100
 61 15.4 11.4 17.0
 70 13.4 9.8 14.6





#38

Carbon Tetrachloride

Concen: 7.273 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7725

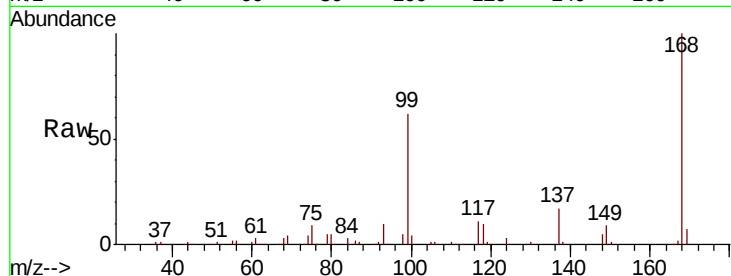
Tot Ion:117 Resp: 17576

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

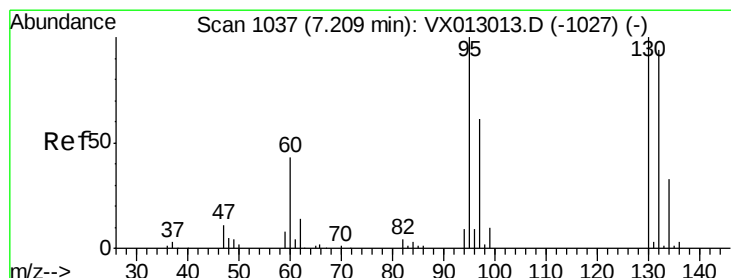
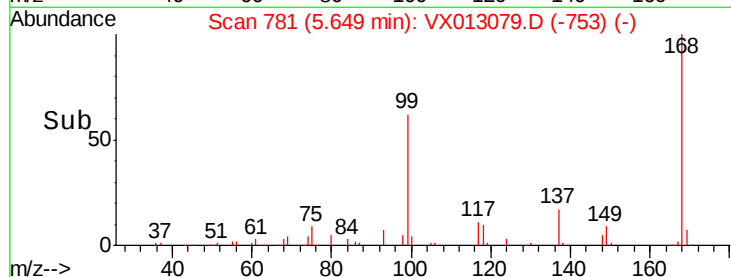
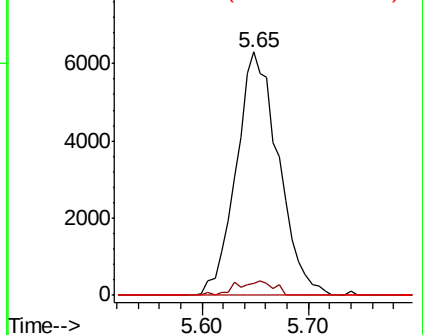
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 3.005 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013079.D

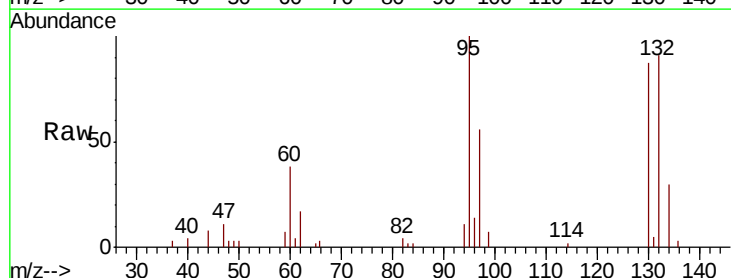
Acq: 15 Oct 2019 15:40

Tgt Ion:130 Resp: 6110

Ion Ratio Lower Upper

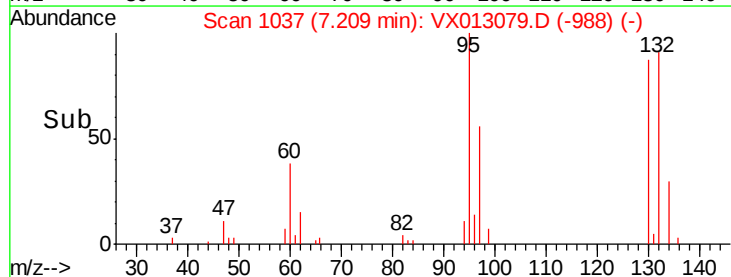
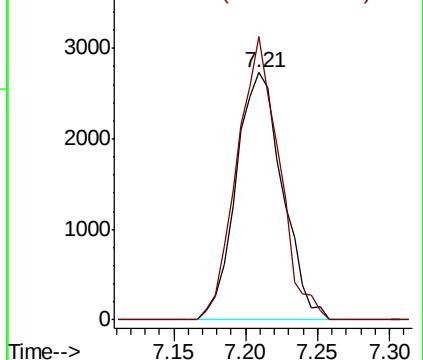
130 100

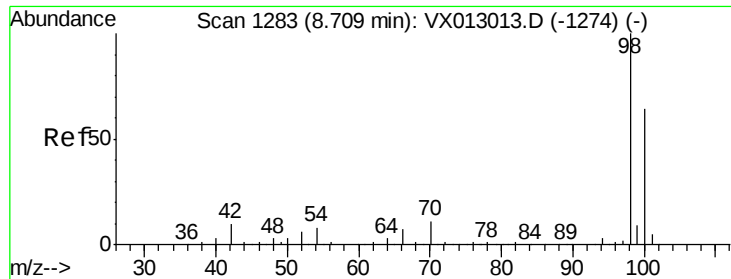
95 114.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

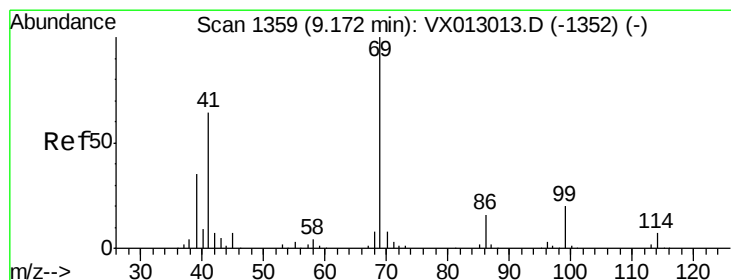
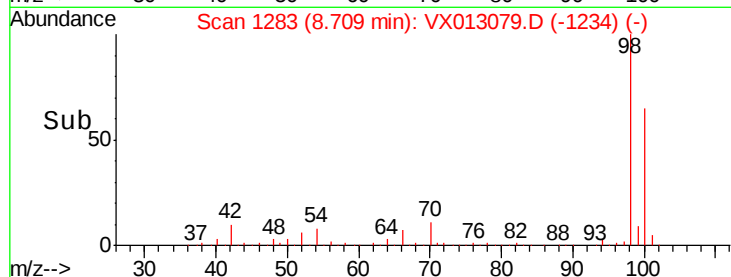
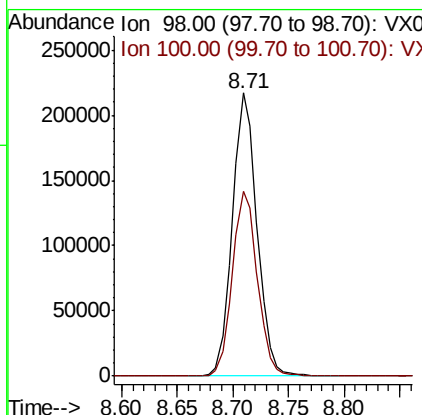
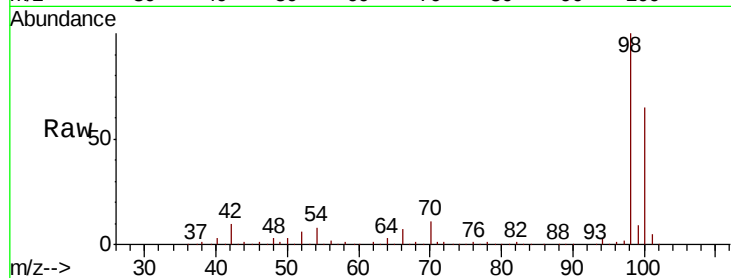




#50
Toluene-d8
Concen: 52.658 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

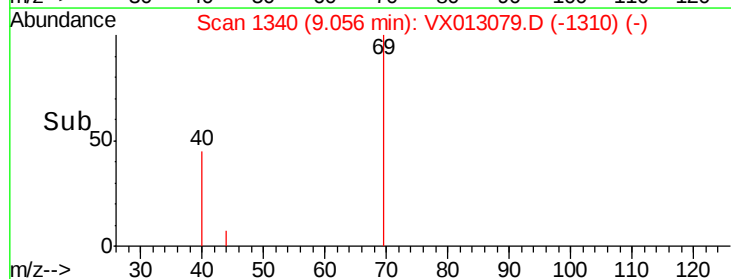
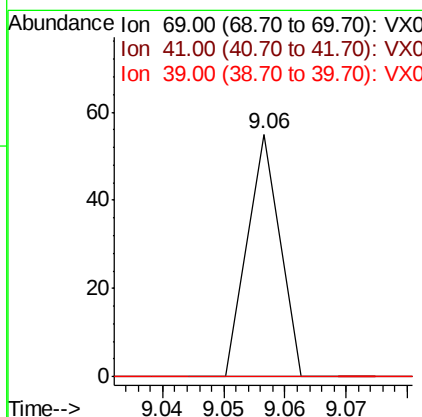
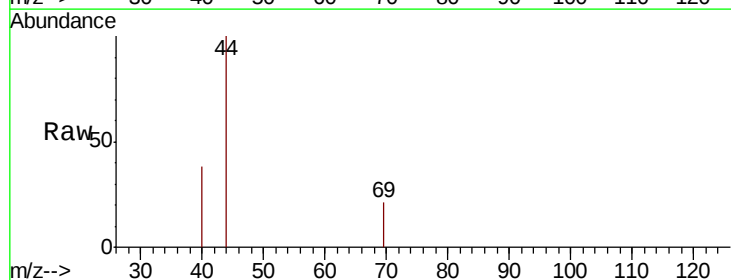
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7725

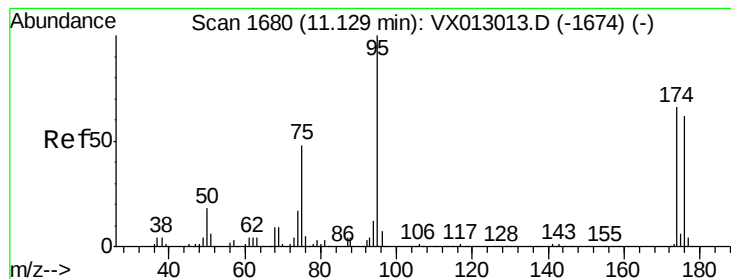
Tot Ion: 98 Resp: 332865
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#56
Ethyl methacrylate
Concen: 1.837 ug/l
RT: 9.06 min Scan# 1340
Delta R.T. -0.12 min
Lab File: VX013079.D
Acq: 15 Oct 2019 15:40

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 52.1 78.1#
39 0.0 27.8 41.8#





#62

4-Bromofluorobenzene

Concen: 45.827 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7725

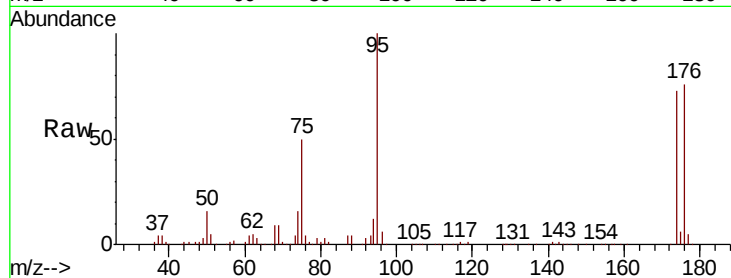
Tot Ion: 95 Resp: 112559

Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.4

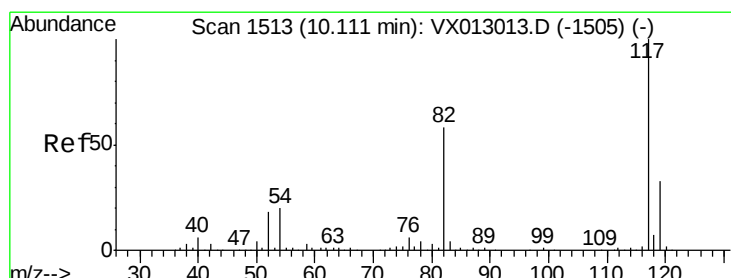
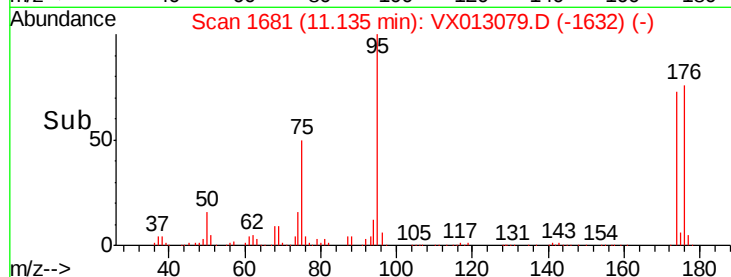
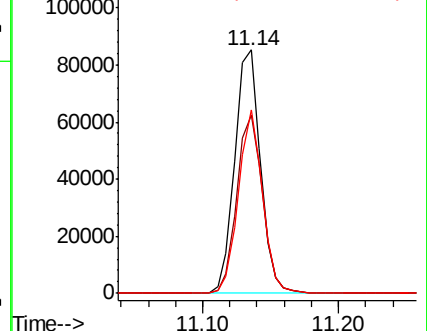
176 70.4 0.0 136.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

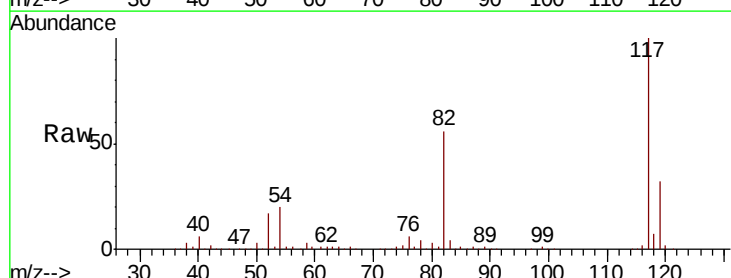
Tgt Ion: 117 Resp: 243816

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

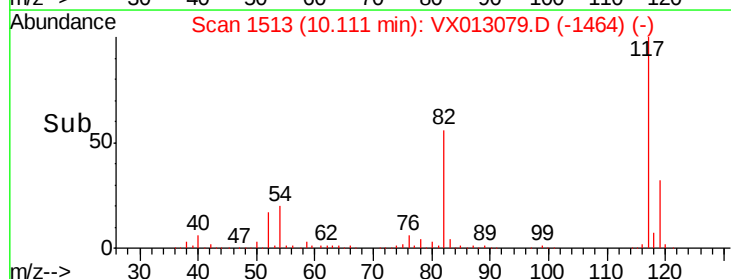
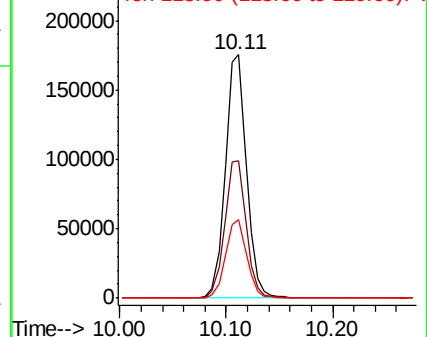
119 32.5 25.8 38.8

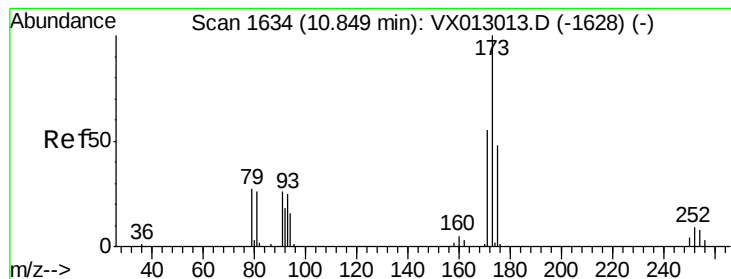


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.230 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7725

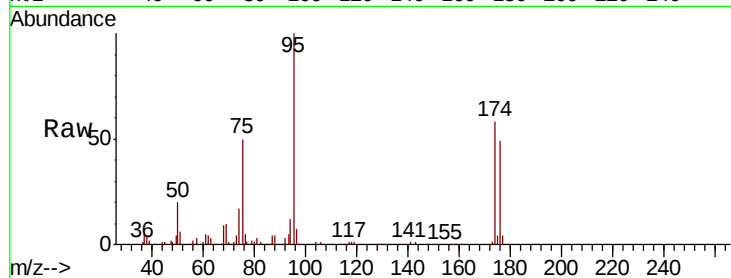
Tot Ion:173 Resp: 148

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

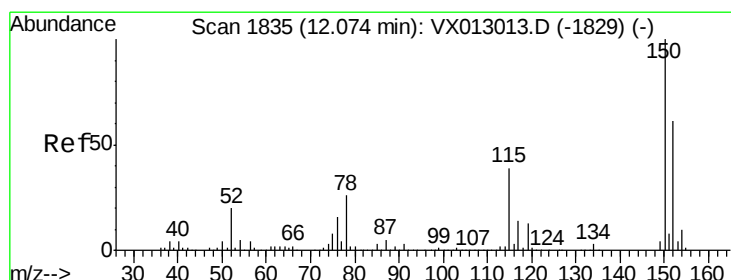
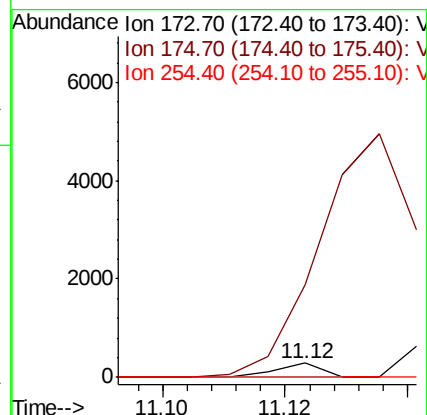
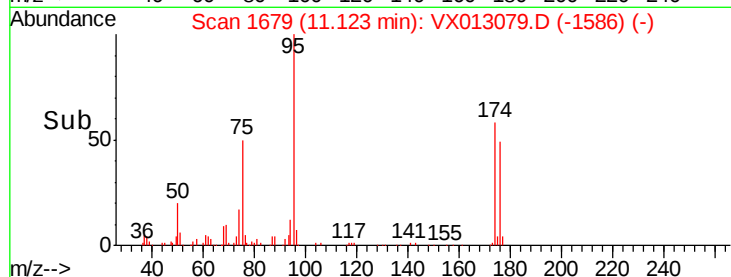
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013079.D

Acq: 15 Oct 2019 15:40

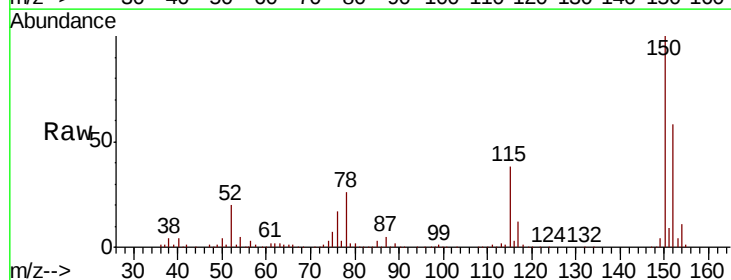
Tgt Ion:152 Resp: 94880

Ion Ratio Lower Upper

152 100

115 63.8 44.5 133.5

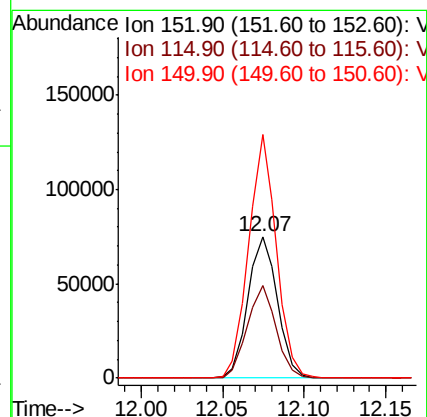
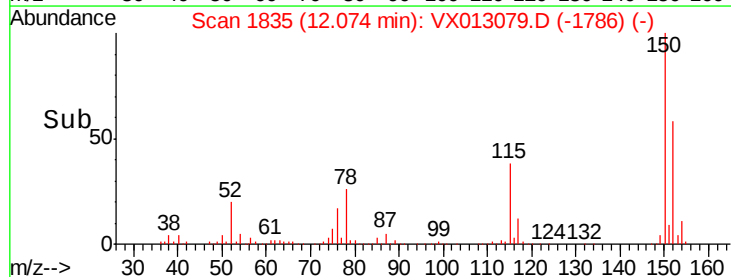
150 161.3 0.0 353.4

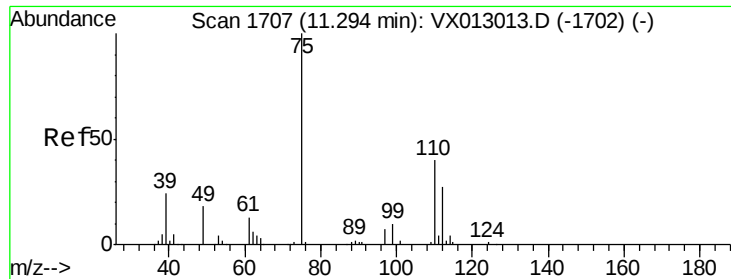


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.834 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

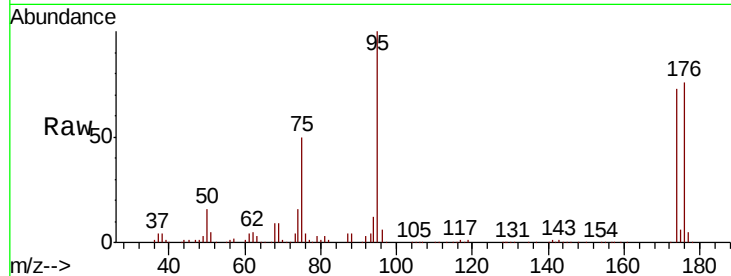
FA19-JBW7725

Tot Ion: 75 Resp: 56470

Ion Ratio Lower Upper

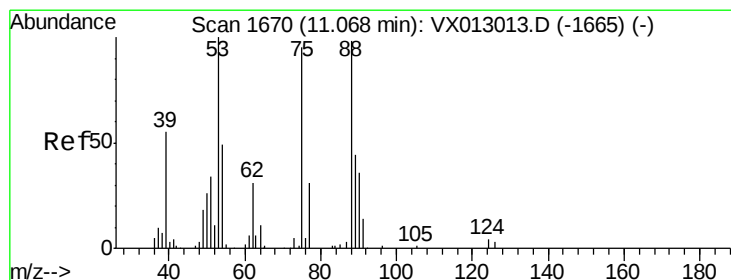
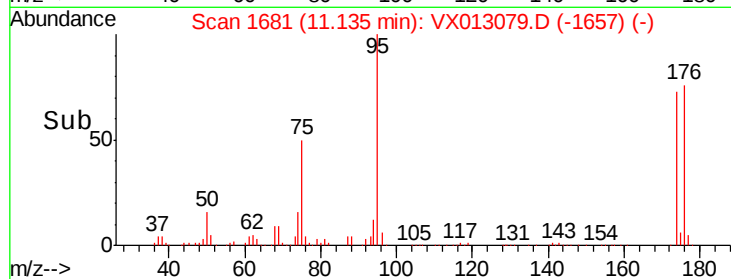
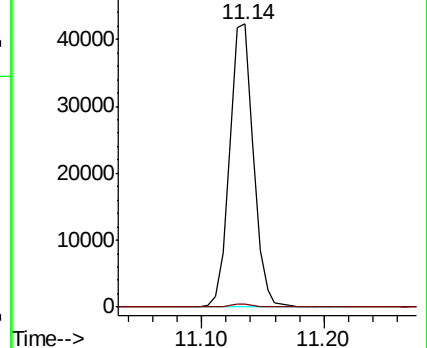
75 100

77 1.2 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: 67.451 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013079.D

Acq: 15 Oct 2019 15:40

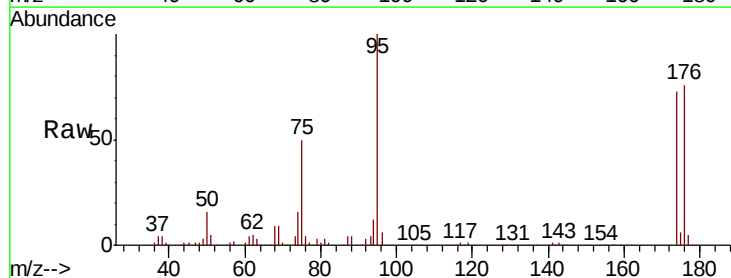
Tgt Ion: 75 Resp: 56470

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

