

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013620.D
 Acq On : 27 Nov 2019 00:22
 Operator : JC/SP
 Sample : K5968-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-02-20191121

Quant Time: Nov 27 03:46:53 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	664387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1062941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	944048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	425459	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	383437	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.49	113	318842	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	1260742	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	417452	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

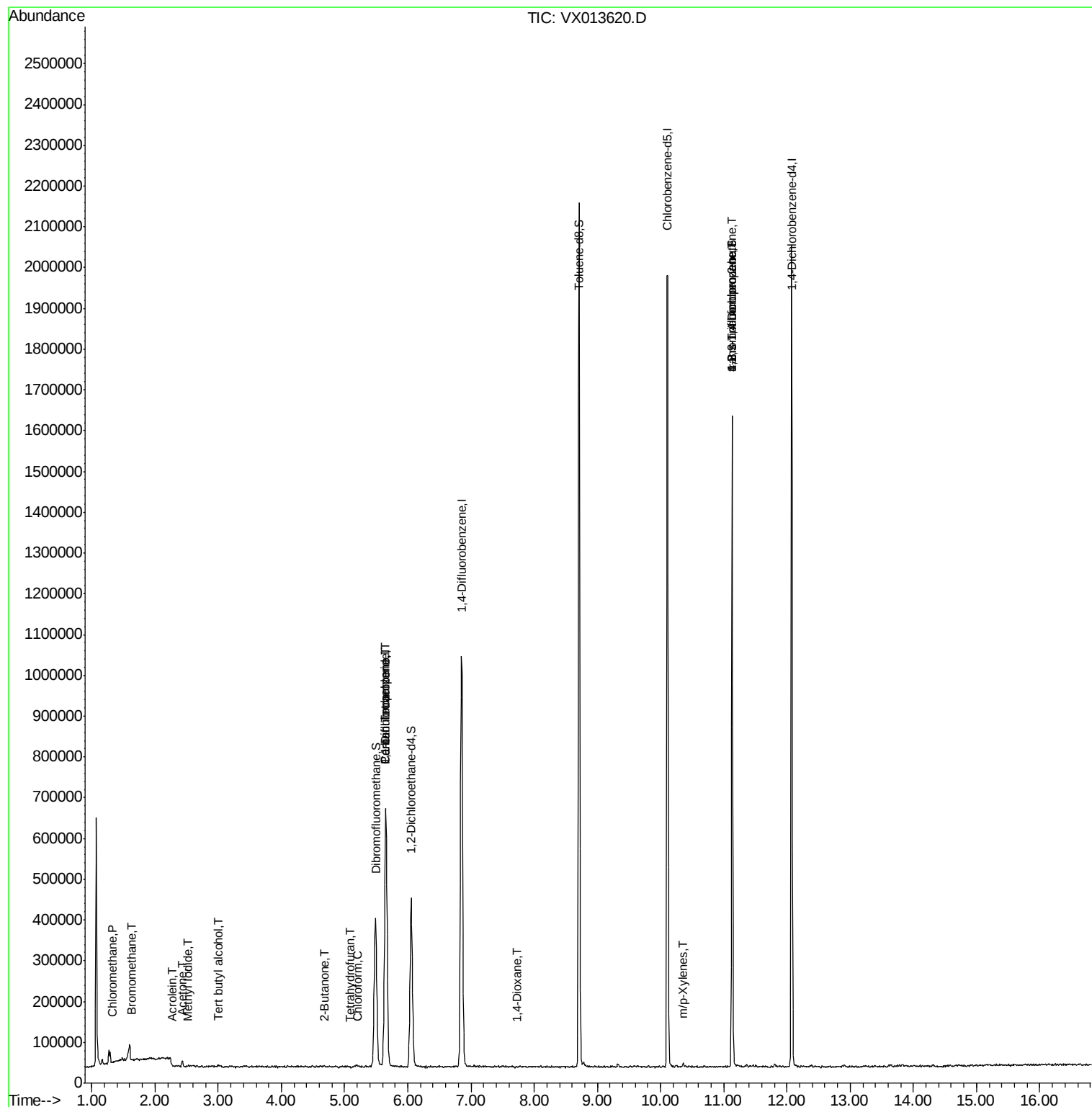
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1862	0.224	ug/l #	76
5) Bromomethane	1.64	94	2335	0.372	ug/l	91
10) Methyl Iodide	2.51	142	1644	0.215	ug/l #	87
11) Tert butyl alcohol	3.01	59	3100	1.629	ug/l #	91
13) Acrolein	2.28	56	257	6.201	ug/l #	8
16) Acetone	2.44	43	16695	4.385	ug/l	97
25) 2-Butanone	4.68	43	4113	0.727	ug/l #	49
29) Tetrahydrofuran	5.10	42	1073	0.308	ug/l #	71
30) Chloroform	5.21	83	3729	0.304	ug/l	90
36) 1,1-Dichloropropene	5.65	75	43011	4.458	ug/l #	52
38) Carbon Tetrachloride	5.65	117	58174	6.539	ug/l #	17
49) 1,4-Dioxane	7.73	88	162	0.836	ug/l #	1
68) m/p-Xylenes	10.35	106	3288	0.255	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	208164	21.753	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208164	59.513	ug/l #	11

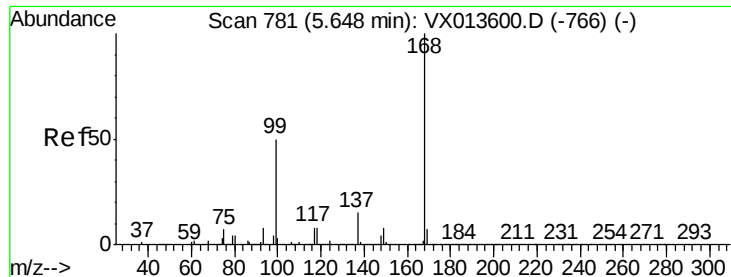
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112619\
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QLast Update : Tue Nov 26 15:53:00 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: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

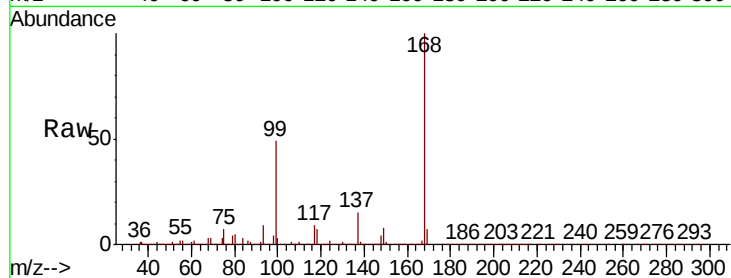
FB-02-20191121

Tot Ion:168 Resp: 664387

Ion Ratio Lower Upper

168 100

99 48.8 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

250000

200000

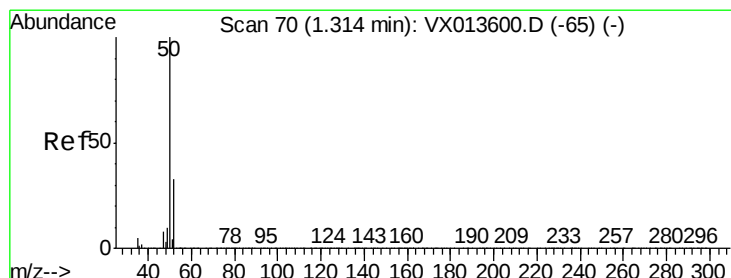
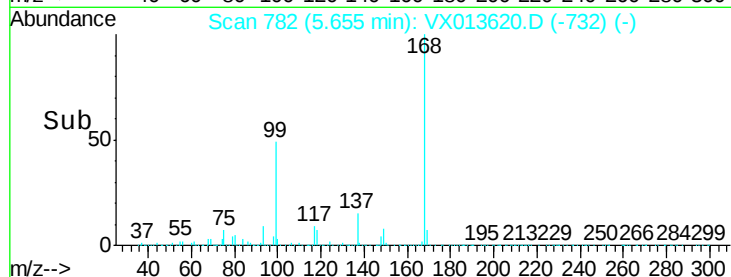
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013620.D

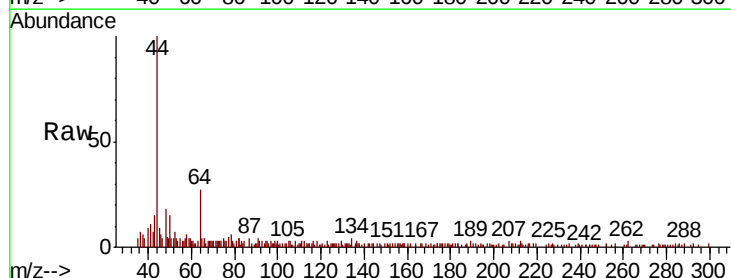
Acq: 27 Nov 2019 00:22

Tgt Ion: 50 Resp: 1862

Ion Ratio Lower Upper

50 100

52 19.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

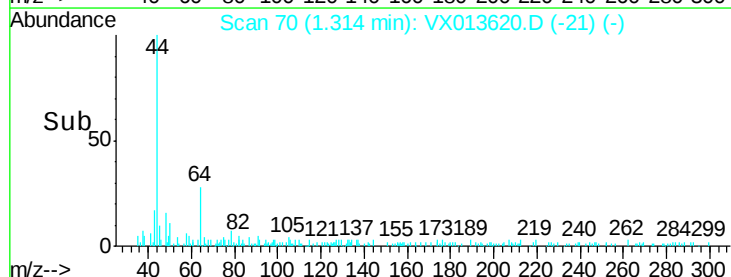
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.372 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

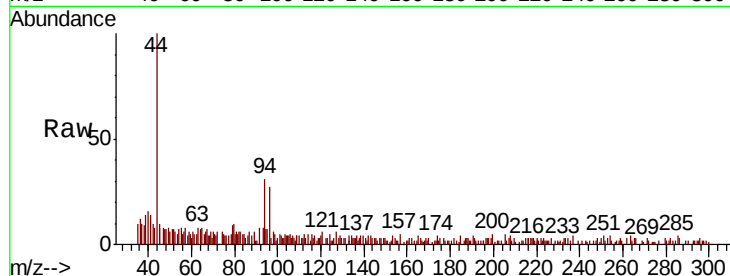
FB-02-20191121

Tot Ion: 94 Resp: 2335

Ion Ratio Lower Upper

94 100

96 87.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX013600.D (-114) (-)

Ion 95.90 (95.60 to 96.60): VX013600.D (-114) (-)

1.64

1500

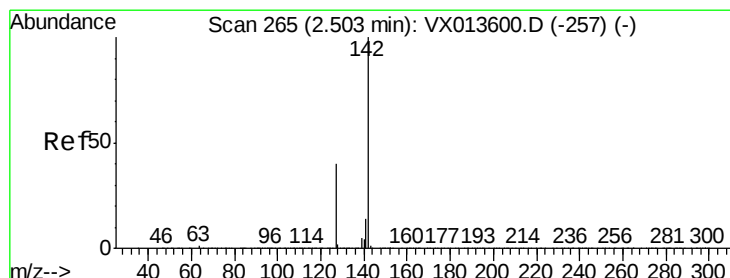
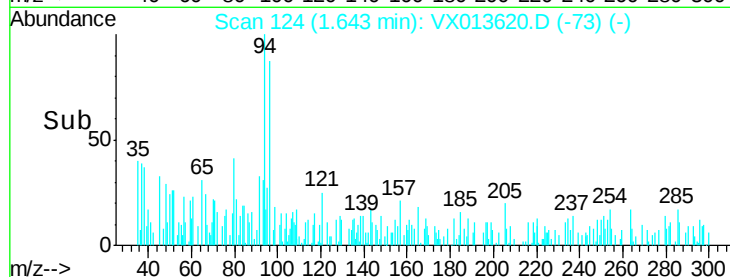
1000

500

0

Time-->

1.60 1.65 1.70



#10

Methyl Iodide

Concen: 0.215 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

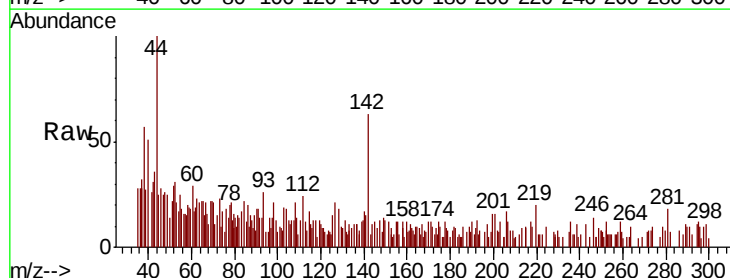
Tgt Ion: 142 Resp: 1644

Ion Ratio Lower Upper

142 100

127 35.5 31.0 46.4

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VX013600.D (-257) (-)

Ion 126.80 (126.50 to 127.50): VX013600.D (-257) (-)

Ion 140.80 (140.50 to 141.50): VX013600.D (-257) (-)

2.51

1000

800

600

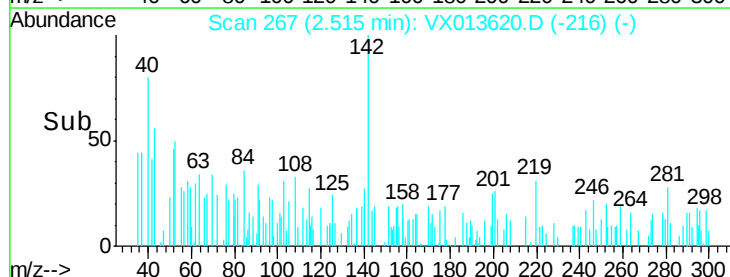
400

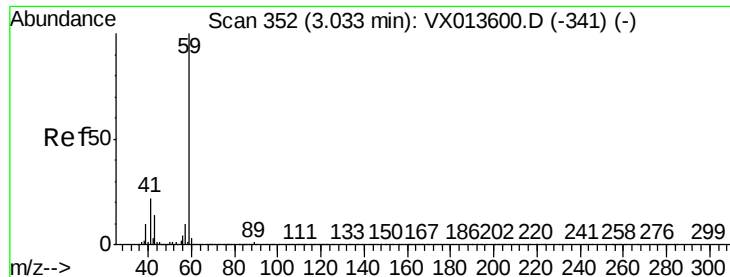
200

0

Time-->

2.45 2.50 2.55



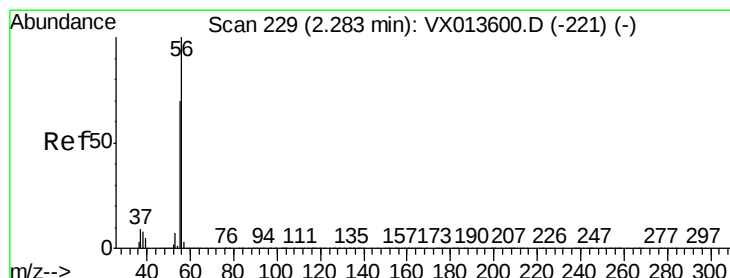
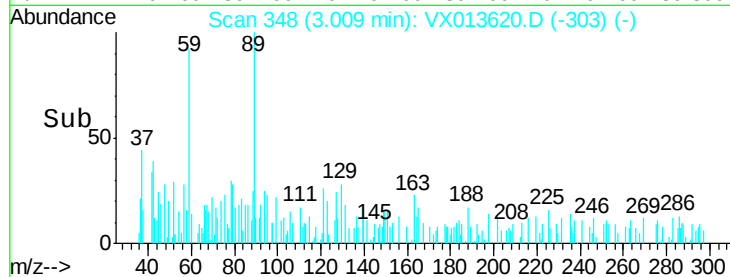
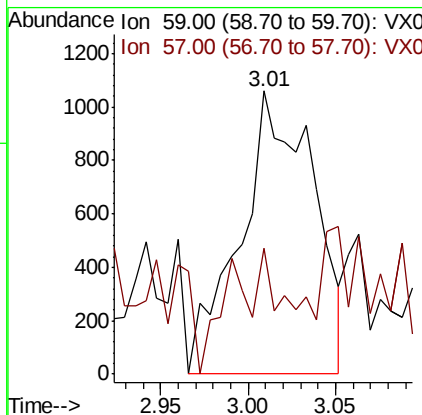
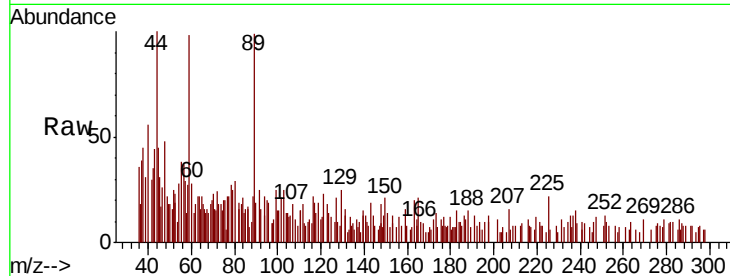


#11

Tert butyl alcohol
Concen: 1.629 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

Instrument :
MSVOA_X
ClientSampleId :
FB-02-20191121

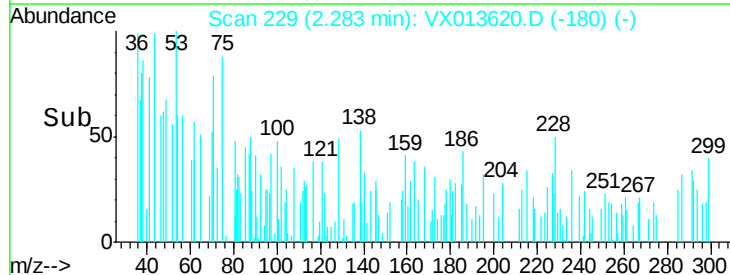
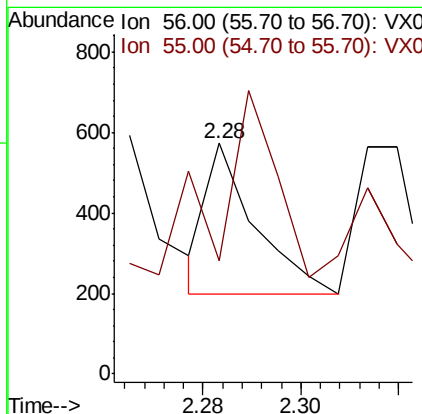
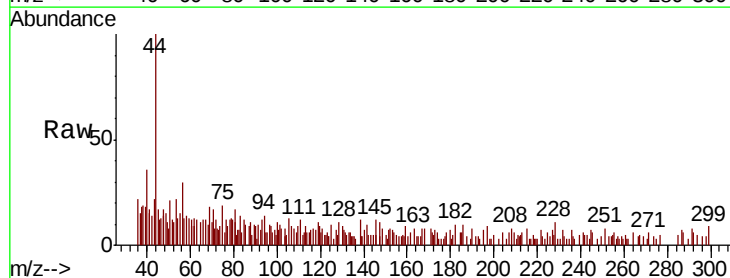
Tot Ion: 59 Resp: 3100
Ion Ratio Lower Upper
59 100
57 6.4 7.8 11.6#

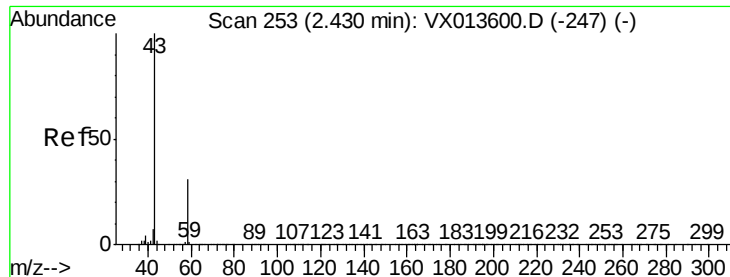


#13

Acrolein
Concen: 6.201 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 145.9 56.2 84.4#





#16

Acetone

Concen: 4.385 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

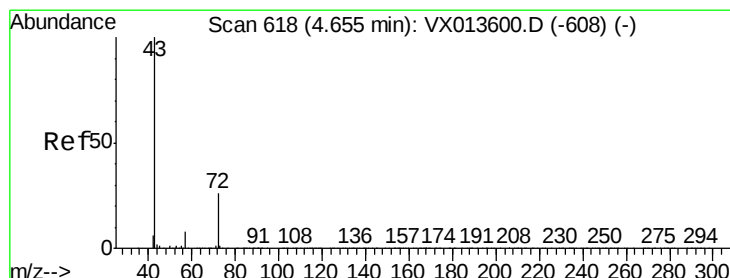
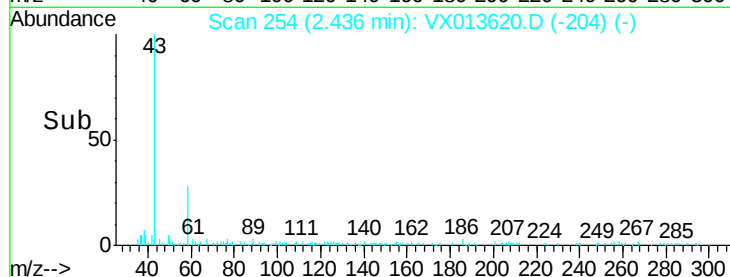
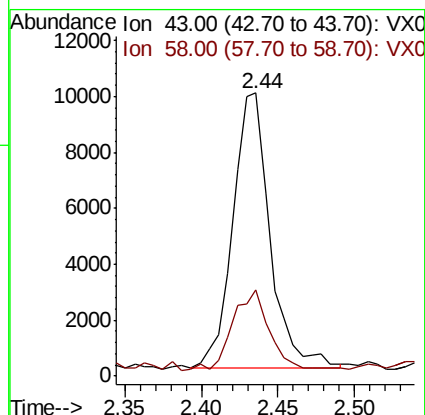
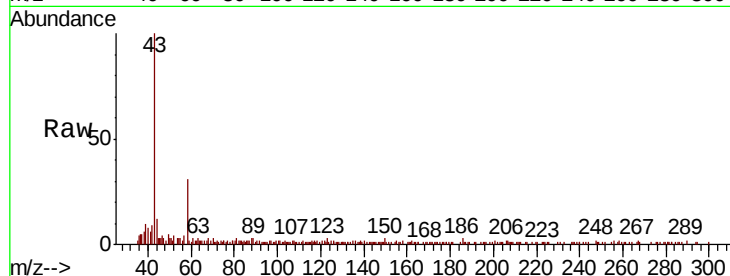
FB-02-20191121

Tot Ion: 43 Resp: 16695

Ion Ratio Lower Upper

43 100

58 29.1 24.6 36.8



#25

2-Butanone

Concen: 0.727 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013620.D

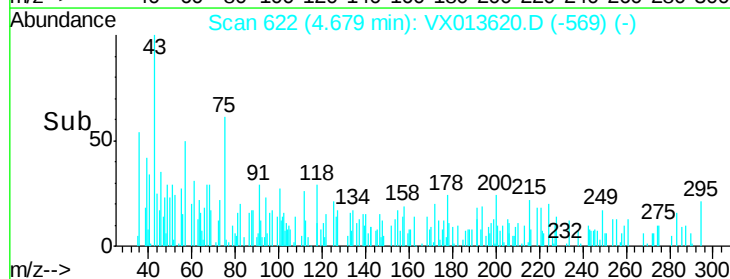
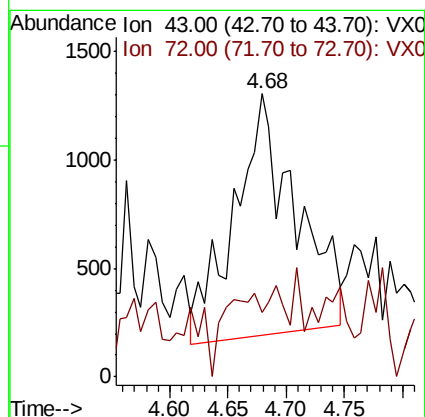
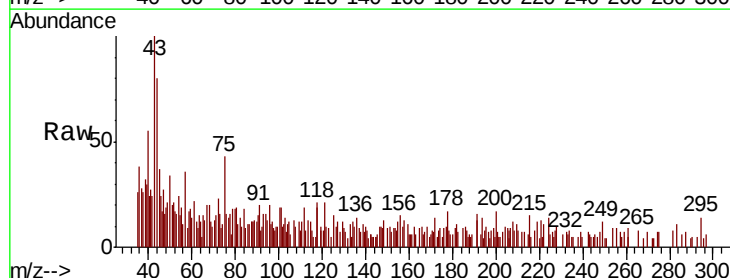
Acq: 27 Nov 2019 00:22

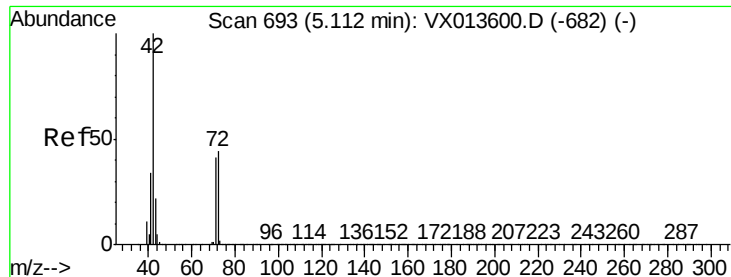
Tgt Ion: 43 Resp: 4113

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 5.10 min Scan# 691

Delta R.T. -0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

FB-02-20191121

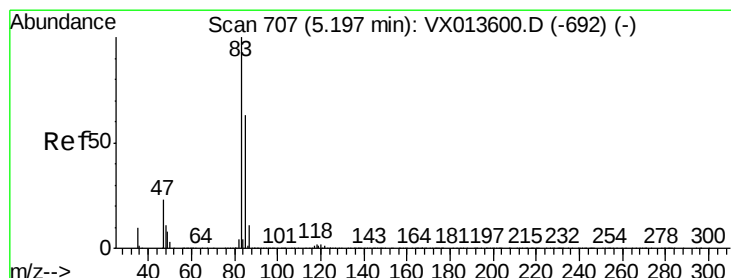
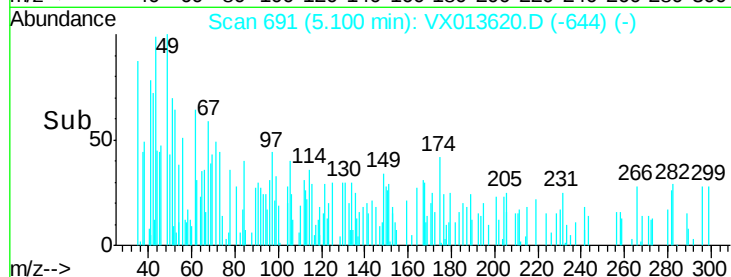
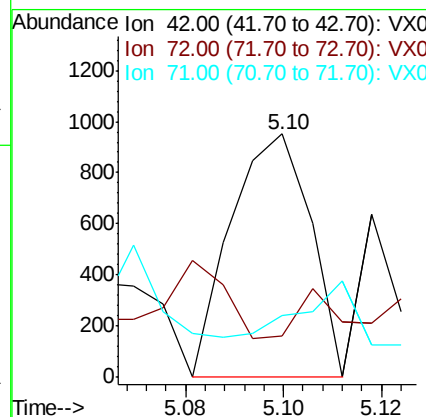
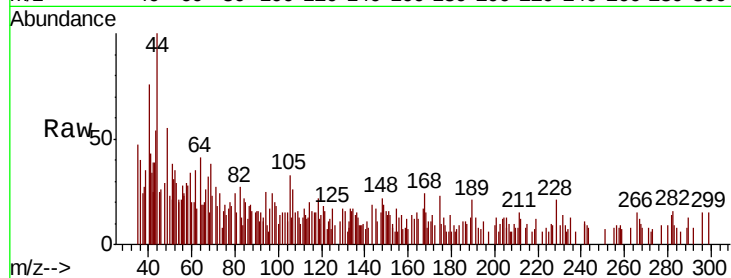
Tot Ion: 42 Resp: 1073

Ion Ratio Lower Upper

42 100

72 10.0 36.3 54.5#

71 40.1 33.2 49.8



#30

Chloroform

Concen: 0.304 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX013620.D

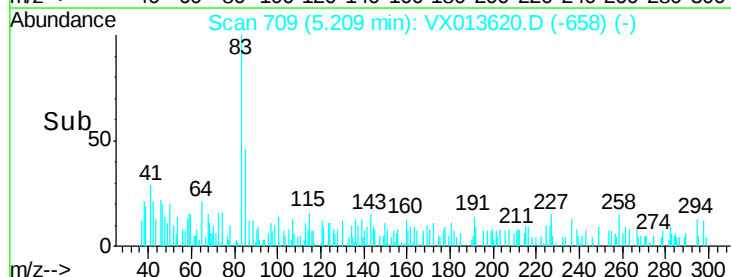
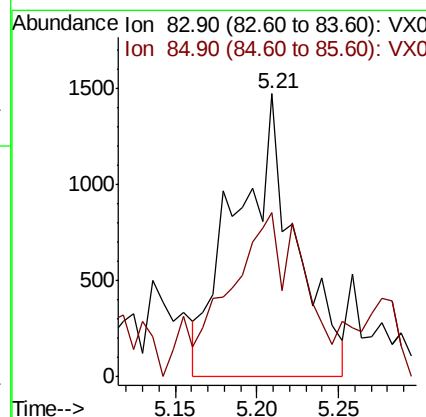
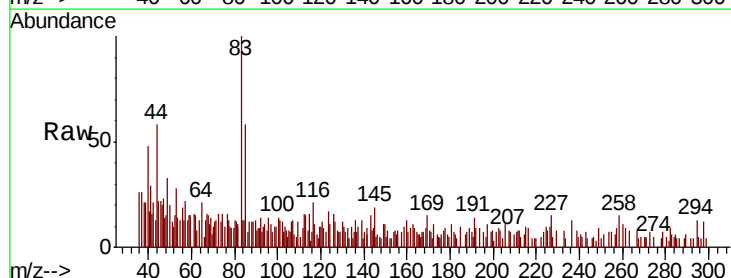
Acq: 27 Nov 2019 00:22

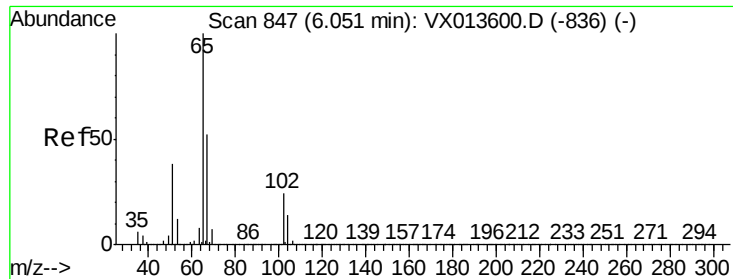
Tgt Ion: 83 Resp: 3729

Ion Ratio Lower Upper

83 100

85 54.7 50.2 75.4

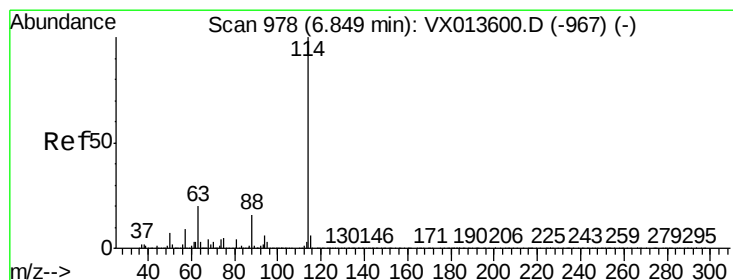
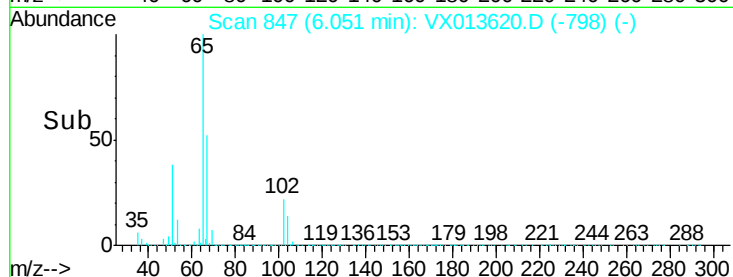
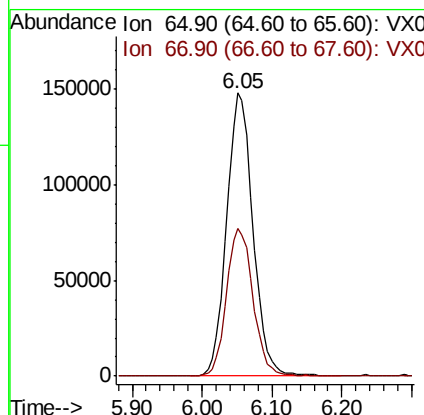
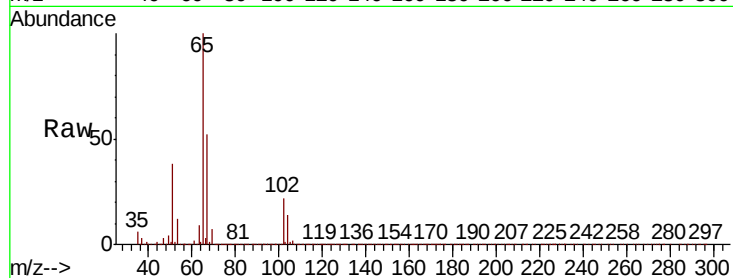




#33
 1,2-Dichloroethane-d4
 Concen: 49.719 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013620.D
 Acq: 27 Nov 2019 00:22

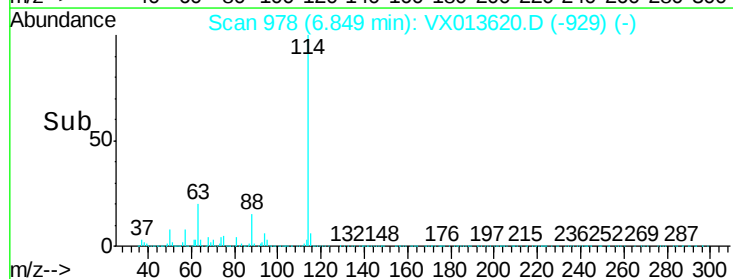
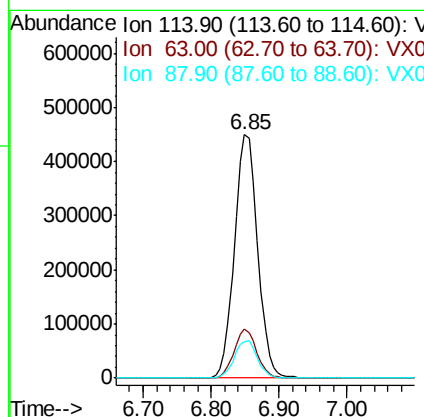
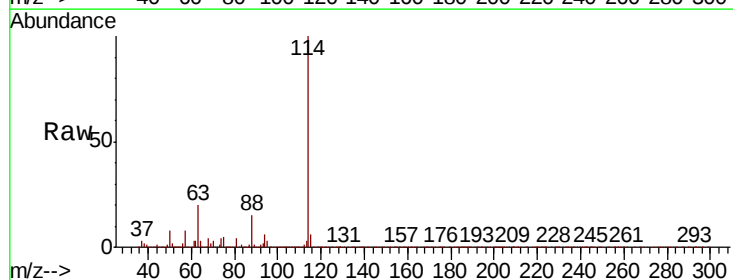
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-02-20191121

Tot Ion: 65 Resp: 383437
 Ion Ratio Lower Upper
 65 100
 67 52.3 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: VX013620.D
 Acq: 27 Nov 2019 00:22

Tgt Ion: 114 Resp: 1062941
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 15.0 0.0 31.4

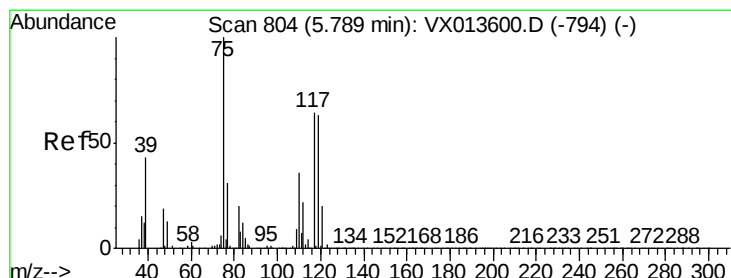
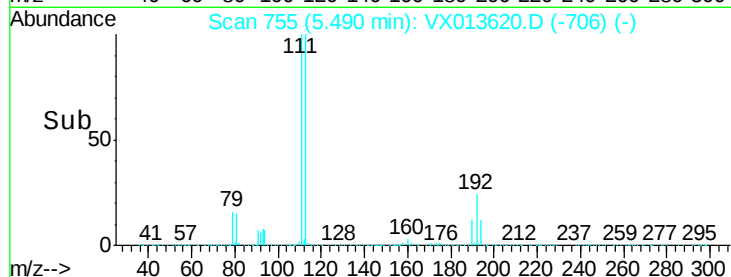
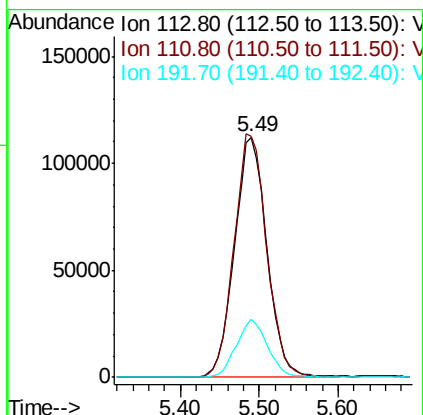
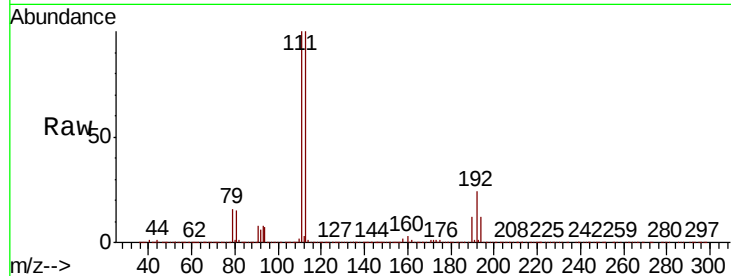




#35
Dibromofluoromethane
Concen: 48.521 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

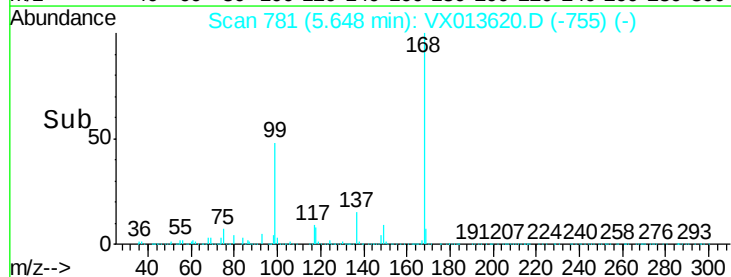
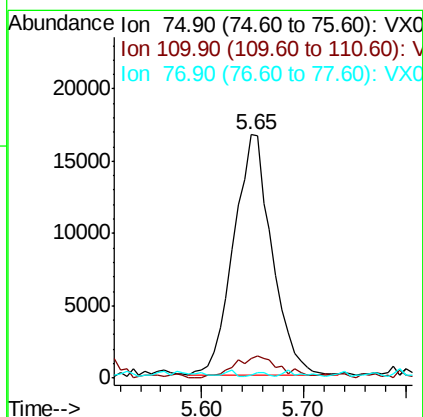
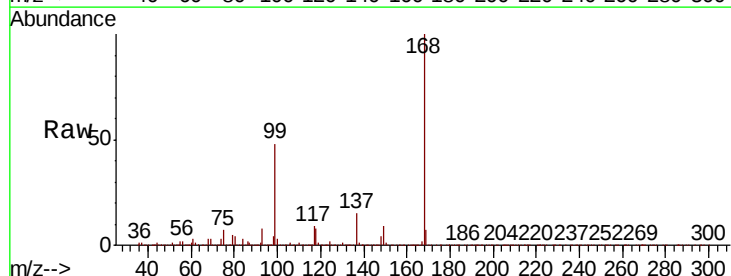
Instrument :
MSVOA_X
ClientSampleId :
FB-02-20191121

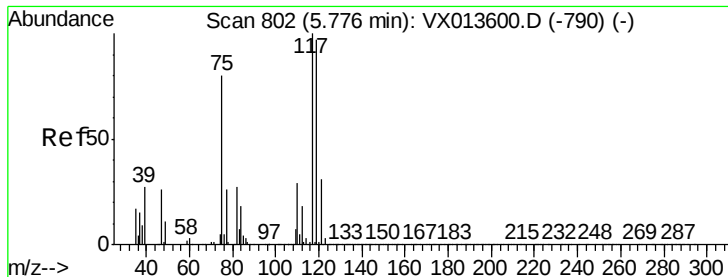
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.6	125.4
192	23.9	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.1#
77	0.7	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.539 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

FB-02-20191121

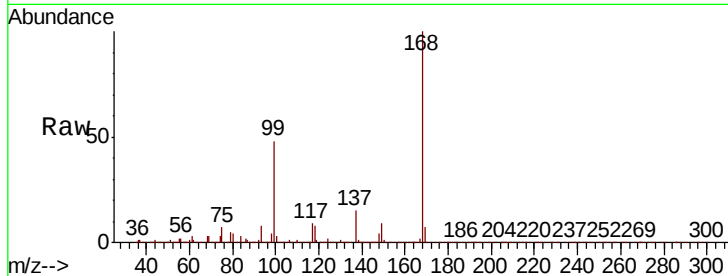
Tot Ion:117 Resp: 58174

Ion Ratio Lower Upper

117 100

119 6.9 77.5 116.3#

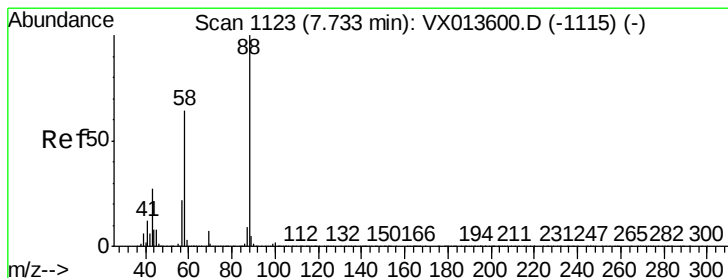
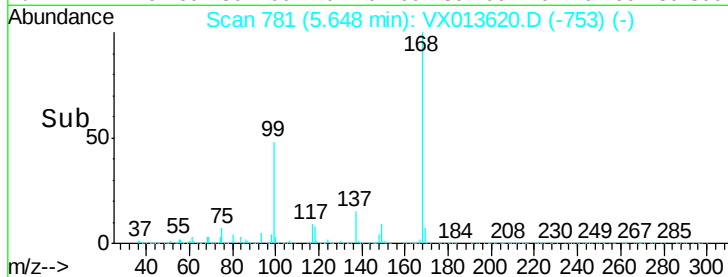
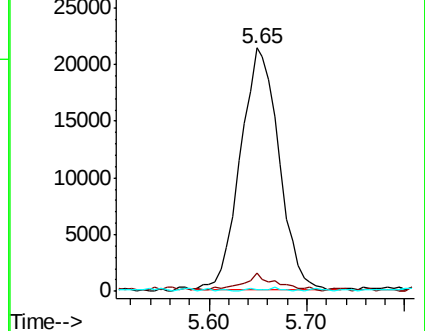
121 0.1 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.836 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

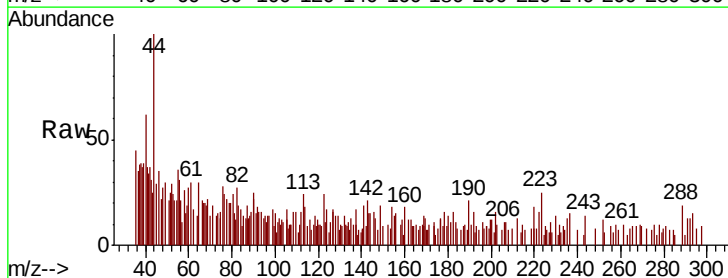
Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

43 290.1 25.8 38.6#

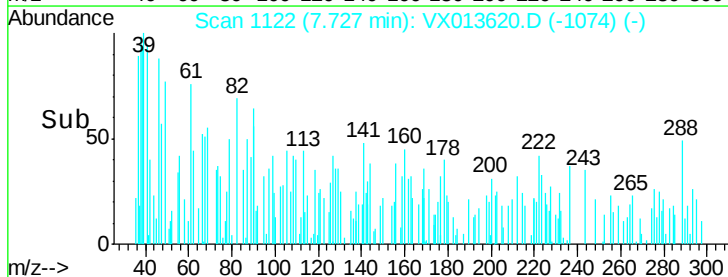
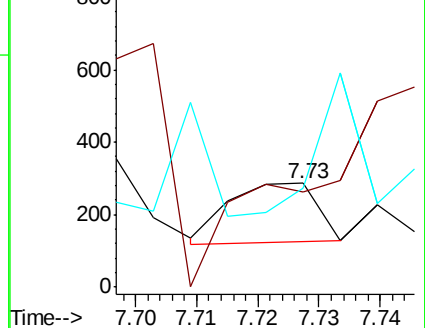
58 415.4 54.6 82.0#

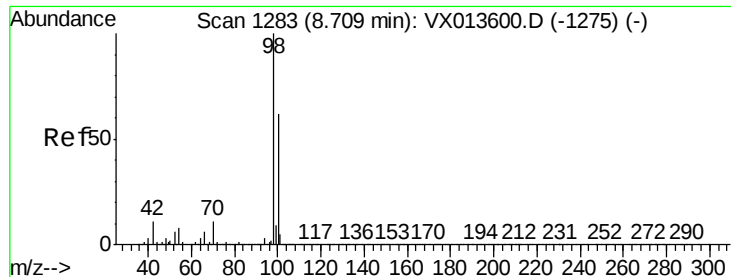


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.243 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

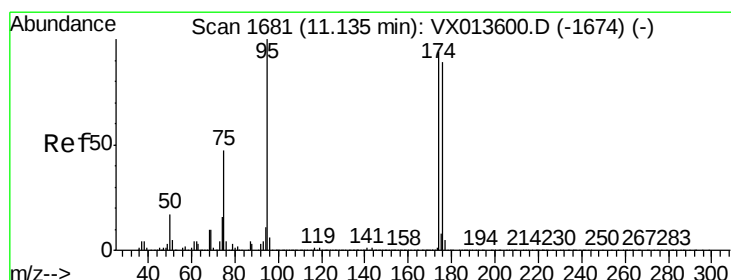
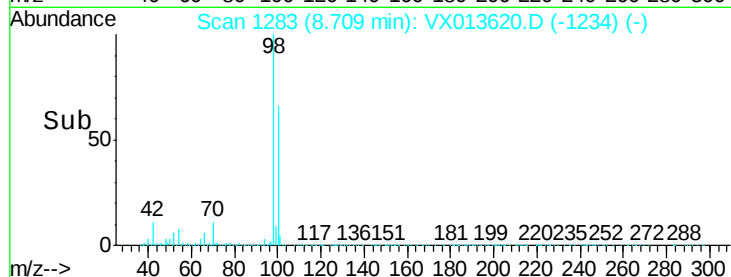
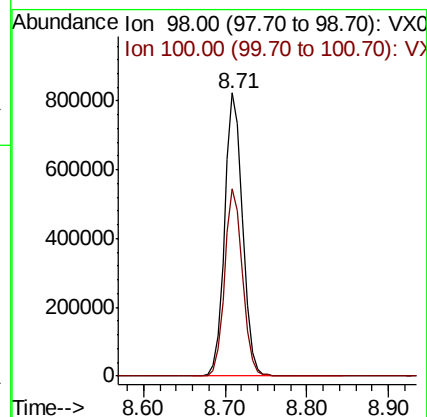
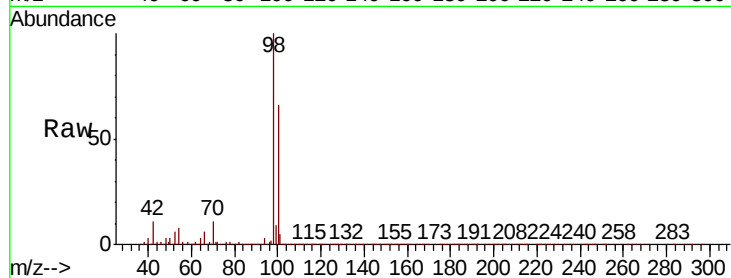
FB-02-20191121

Tot Ion: 98 Resp: 1260742

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.217 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

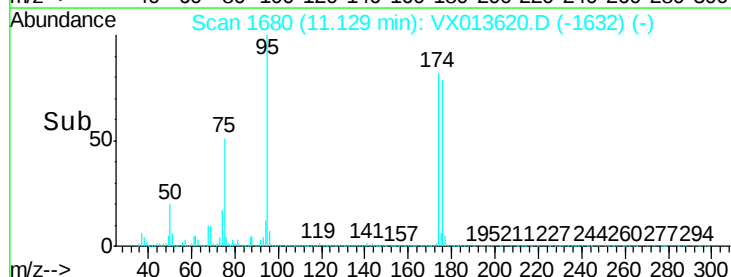
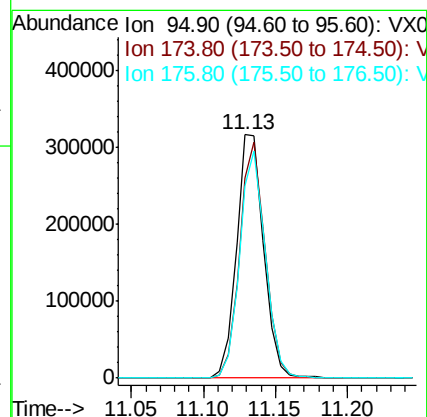
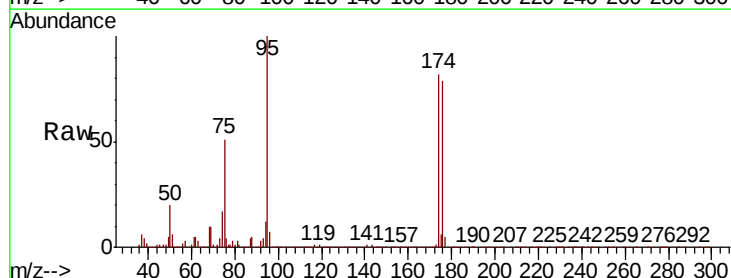
Tgt Ion: 95 Resp: 417452

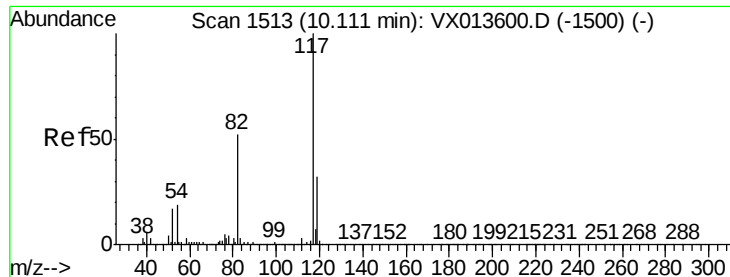
Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

176 88.8 0.0 173.6

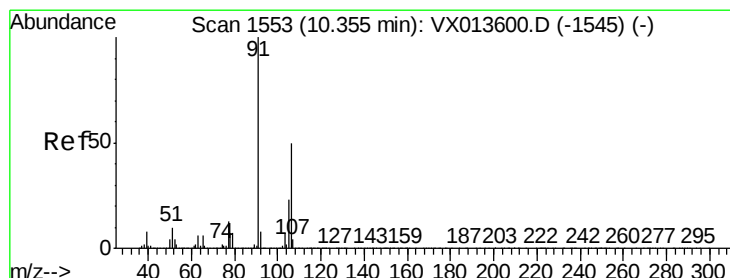
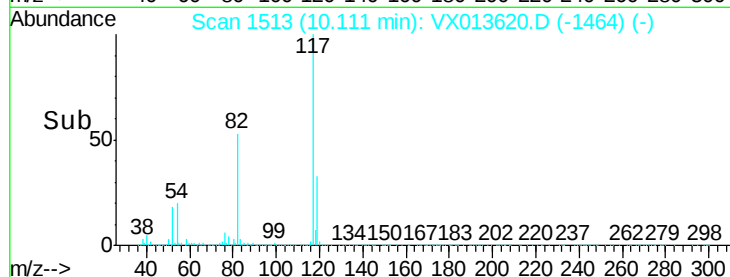
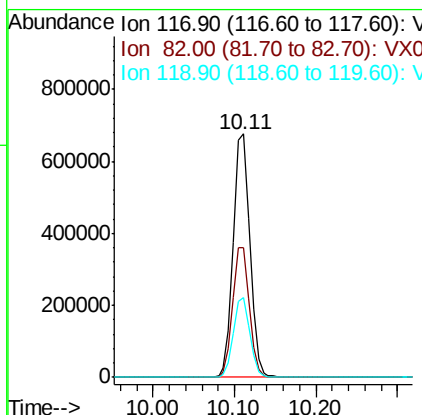
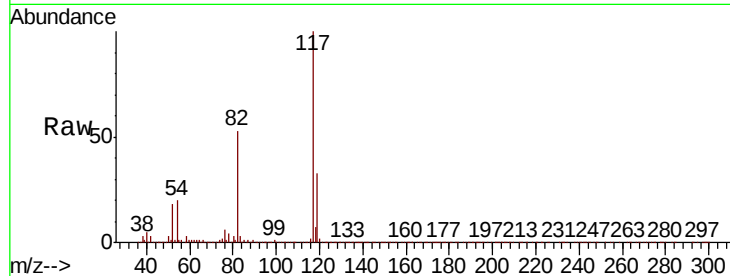




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

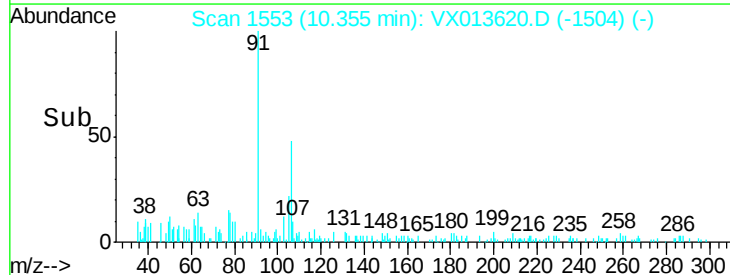
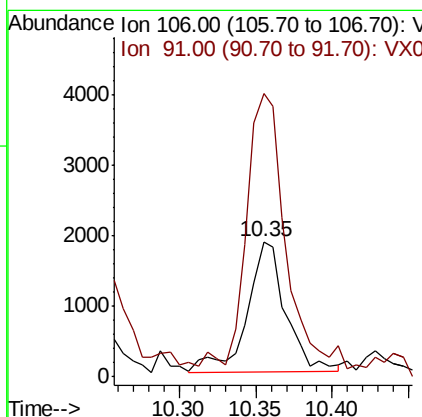
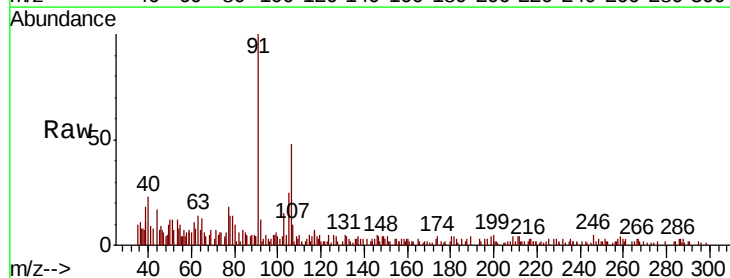
Instrument :
MSVOA_X
ClientSampleId :
FB-02-20191121

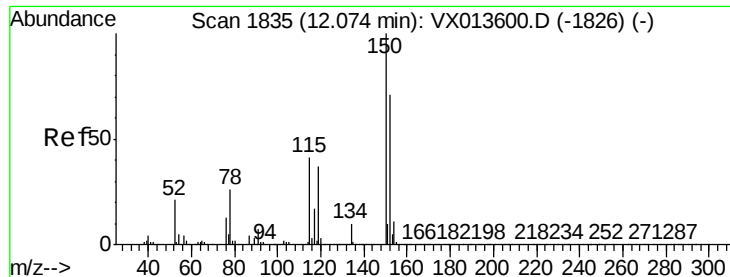
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.8
119	32.5	25.8	38.8



#68
m/p-Xylenes
Concen: 0.255 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013620.D
Acq: 27 Nov 2019 00:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.4	159.0	238.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

FB-02-20191121

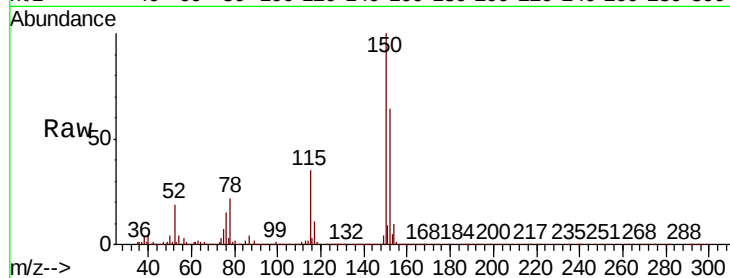
Tot Ion:152 Resp: 425459

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

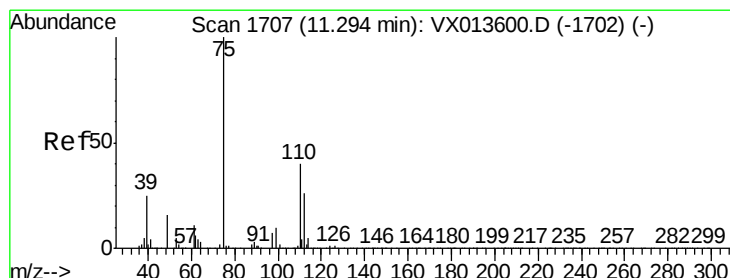
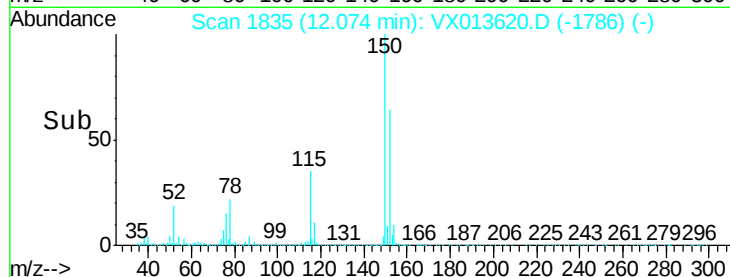
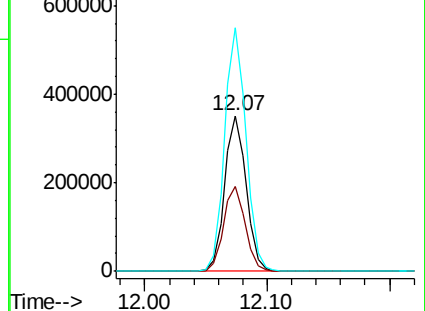
150 155.9 0.0 346.8



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: 21.753 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013620.D

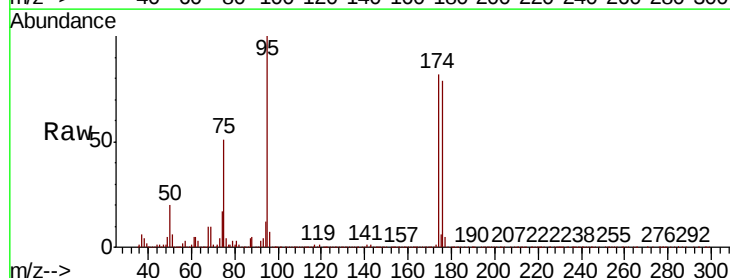
Acq: 27 Nov 2019 00:22

Tgt Ion: 75 Resp: 208164

Ion Ratio Lower Upper

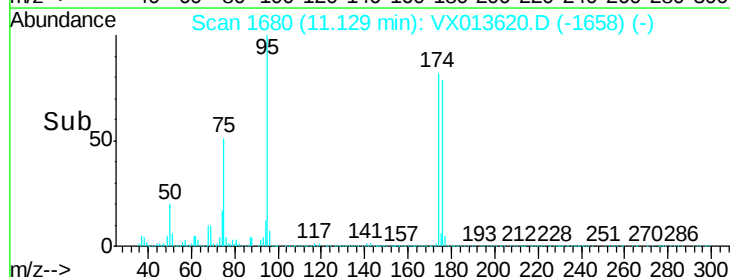
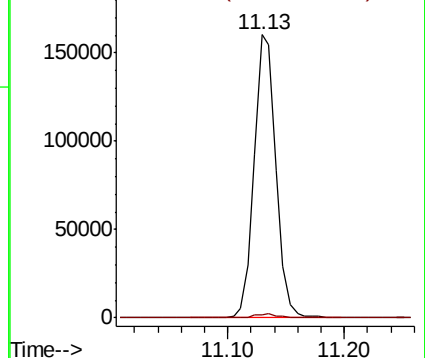
75 100

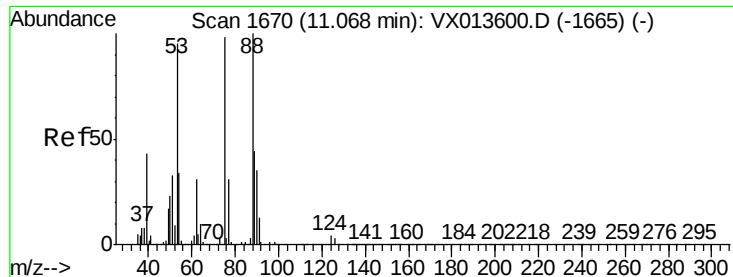
77 1.7 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.513 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013620.D

Acq: 27 Nov 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

FB-02-20191121

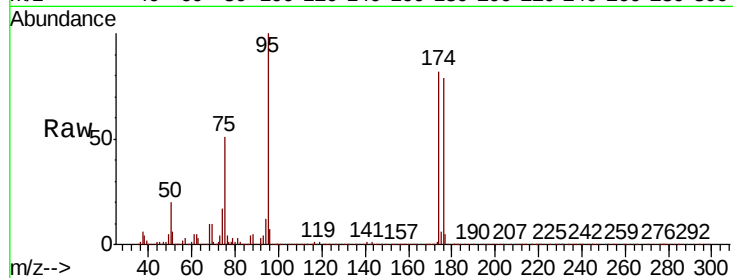
Tot Ion: 75 Resp: 208164

Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.2#

89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

