

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111919\
 Data File : VX013463.D
 Acq On : 19 Nov 2019 14:25
 Operator : JC/SP
 Sample : K5929-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ6-ER1

Quant Time: Nov 19 16:15:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	732779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1184392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1054759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	460472	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	429957	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	359684	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.71	98	1406574	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	463613	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

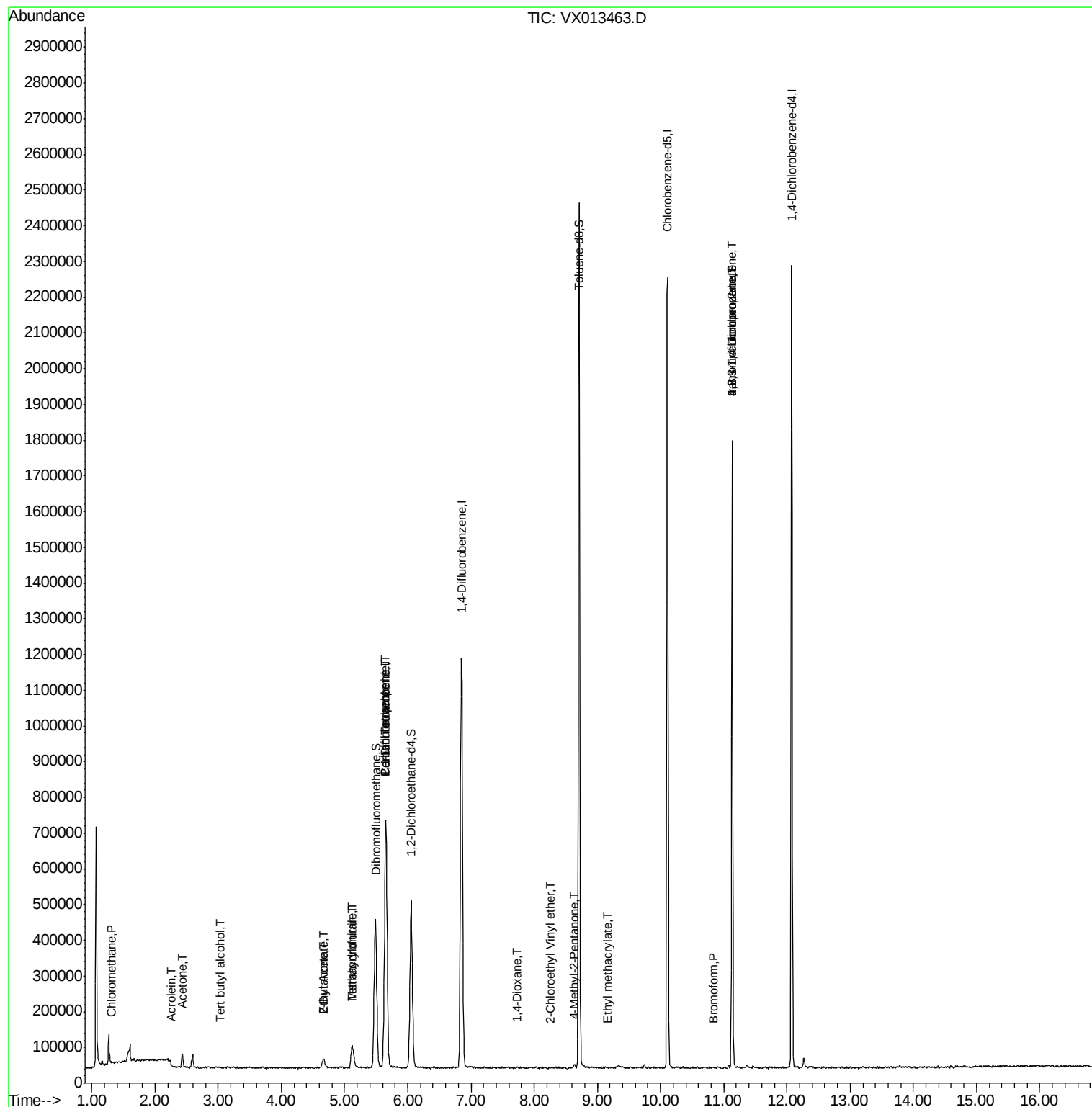
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3429	0.375	ug/l	96
6) Chloroethane	1.66	64	362	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	829	0.362	ug/l #	1
13) Acrolein	2.27	56	271	0.219	ug/l #	75
16) Acetone	2.43	43	45844	10.587	ug/l	96
25) 2-Butanone	4.67	43	53006	8.344	ug/l	97
29) Tetrahydrofuran	5.12	42	63346	16.182	ug/l	99
36) 1,1-Dichloropropene	5.65	75	49007	4.823	ug/l #	51
37) Ethyl Acetate	4.67	43	53006	4.222	ug/l #	69
38) Carbon Tetrachloride	5.65	117	65720	6.614	ug/l #	16
41) Methacrylonitrile	5.12	41	35821	5.090	ug/l #	47
49) 1,4-Dioxane	7.73	88	247	1.105	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	6600	0.515	ug/l	96
56) Ethyl methacrylate	9.17	69	579	1.603	ug/l #	22
58) 2-Chloroethyl Vinyl ether	8.26	63	1201	0.216	ug/l	99
71) Bromoform	10.85	173	233	3.233	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	227860	24.363	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	227860	62.709	ug/l #	9

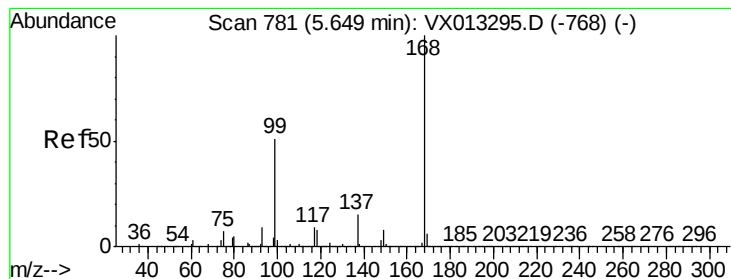
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

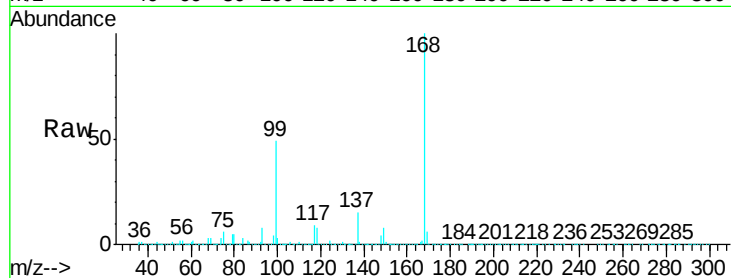
FA19-GMZ6-ER1

Tgt Ion:168 Resp: 732779

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

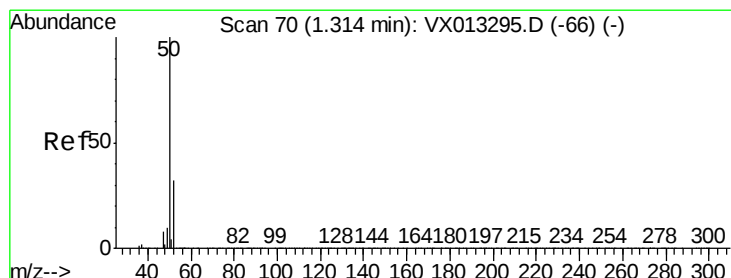
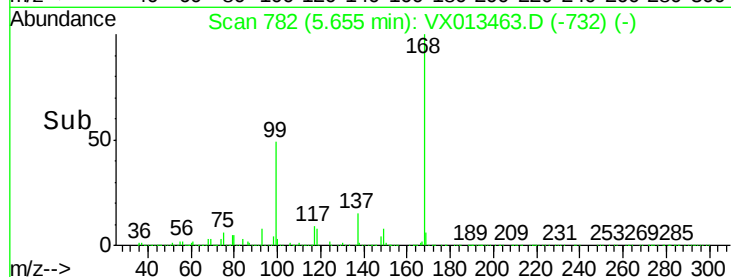
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.375 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013463.D

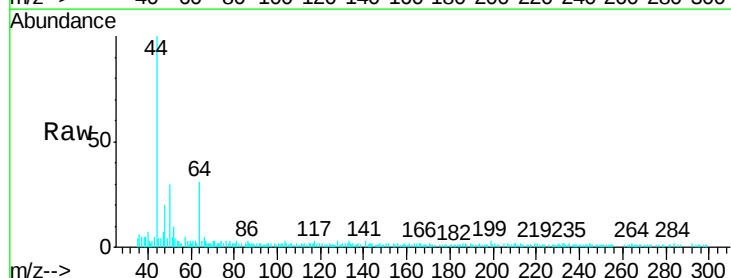
Acq: 19 Nov 2019 14:25

Tgt Ion: 50 Resp: 3429

Ion Ratio Lower Upper

50 100

52 29.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

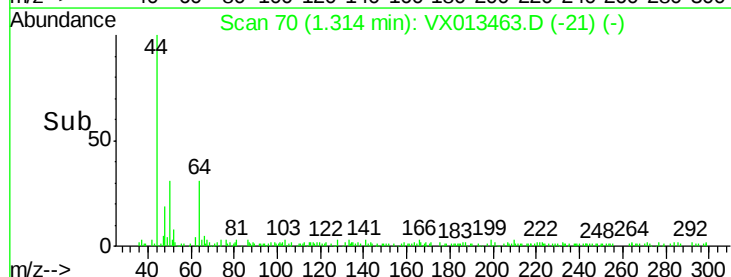
1500

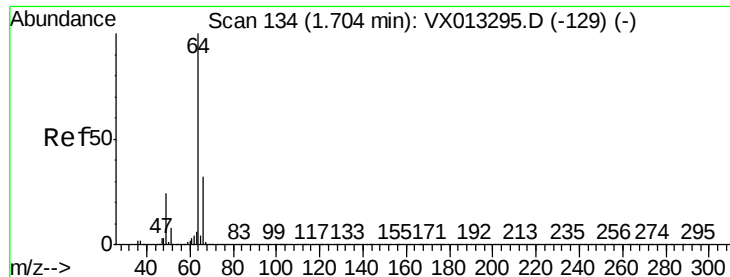
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

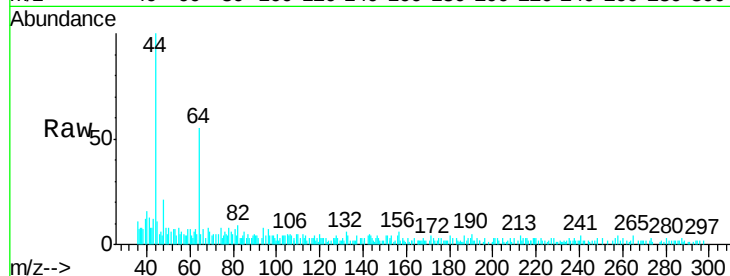
FA19-GMZ6-ER1

Tgt Ion: 64 Resp: 362

Ion Ratio Lower Upper

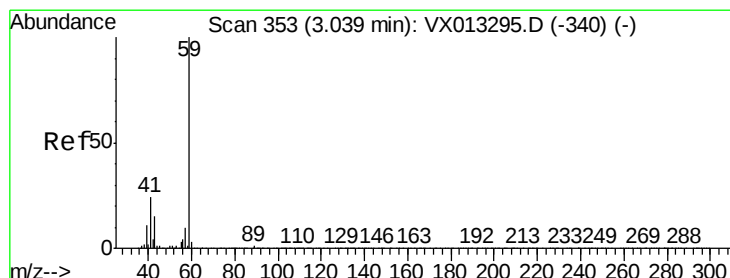
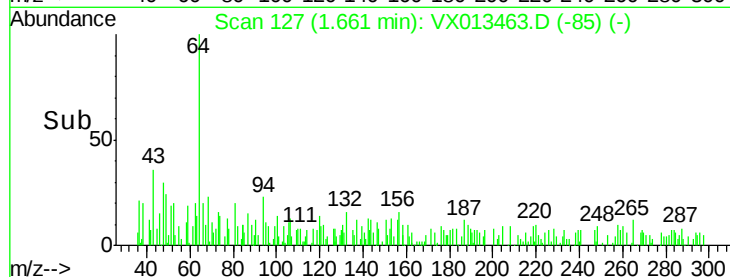
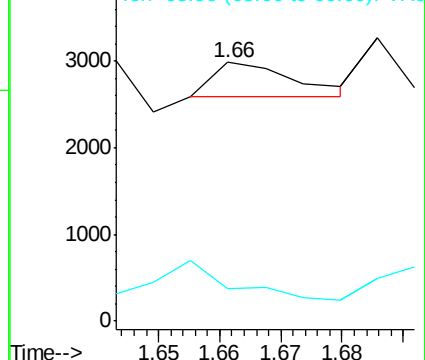
64 100

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



#11

Tert butyl alcohol

Concen: 0.362 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013463.D

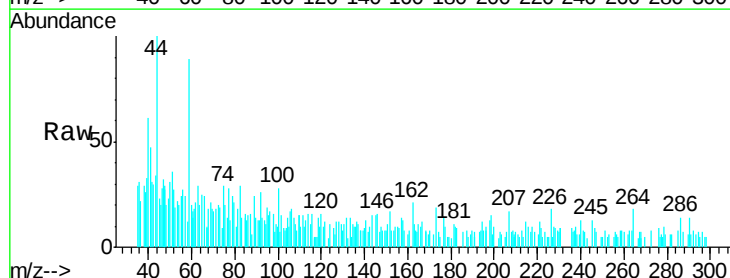
Acq: 19 Nov 2019 14:25

Tgt Ion: 59 Resp: 829

Ion Ratio Lower Upper

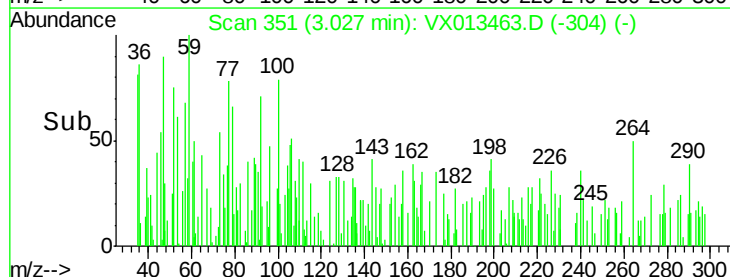
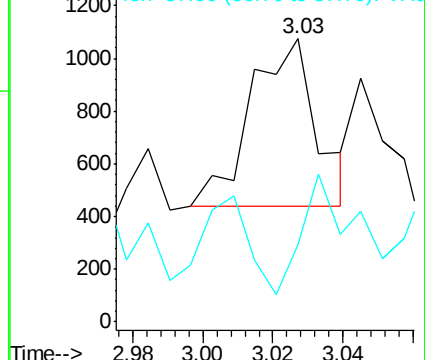
59 100

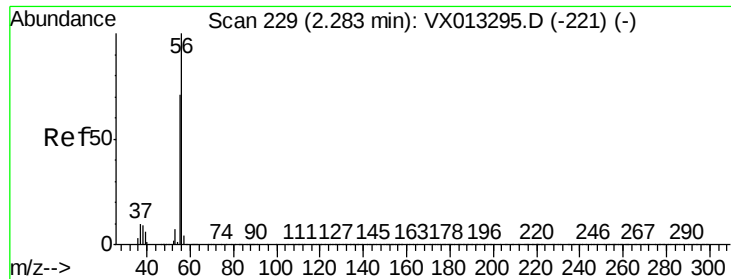
57 58.4 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.219 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

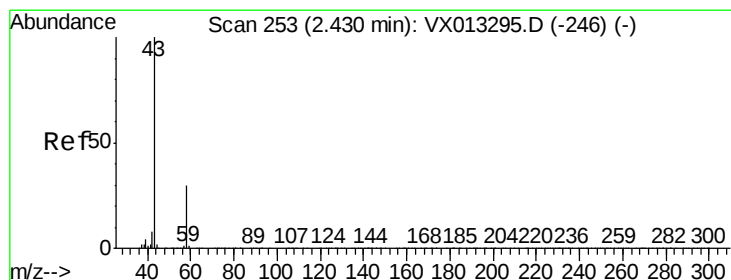
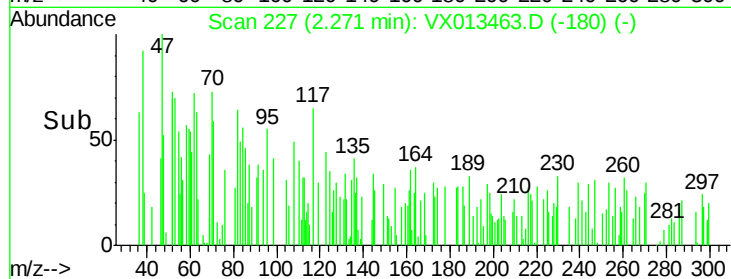
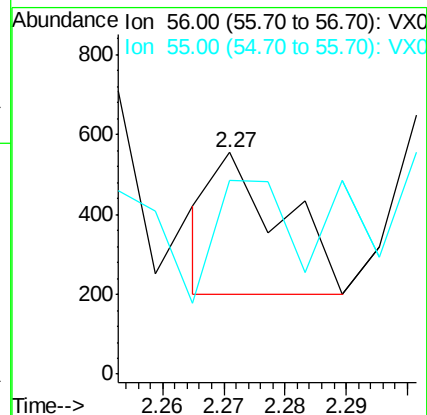
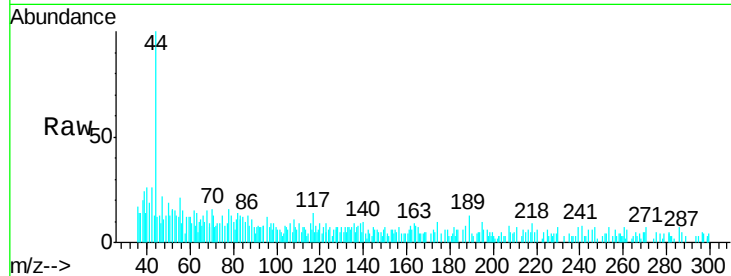
FA19-GMZ6-ER1

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 92.3 57.4 86.0#



#16

Acetone

Concen: 10.587 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013463.D

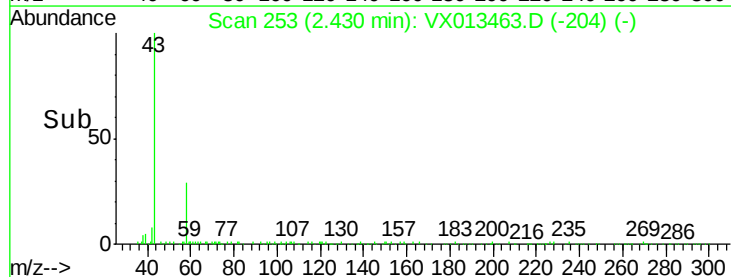
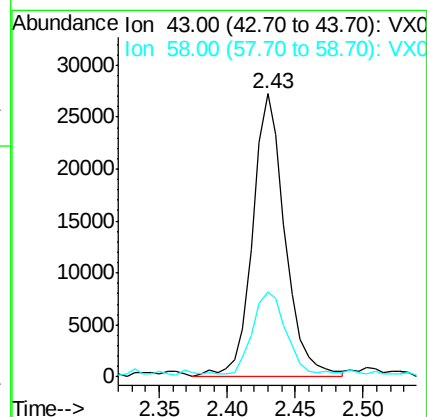
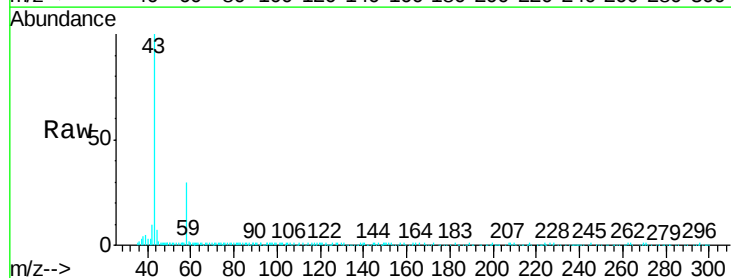
Acq: 19 Nov 2019 14:25

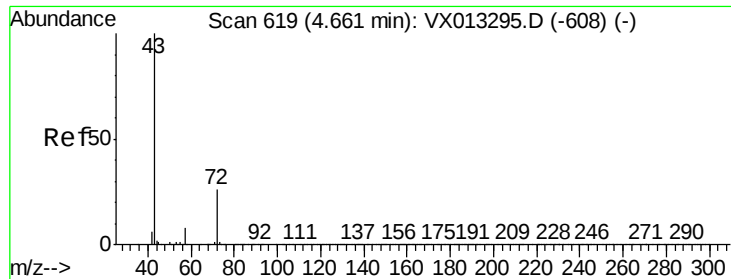
Tgt Ion: 43 Resp: 45844

Ion Ratio Lower Upper

43 100

58 28.4 24.3 36.5





#25

2-Butanone

Concen: 8.344 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

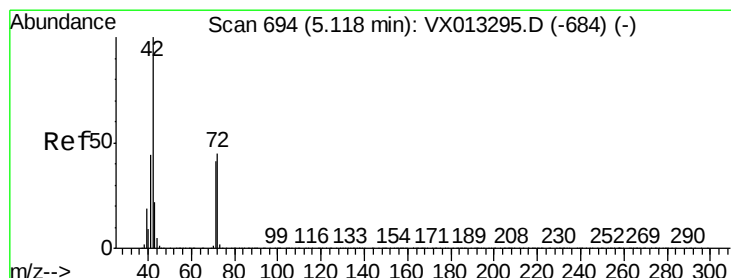
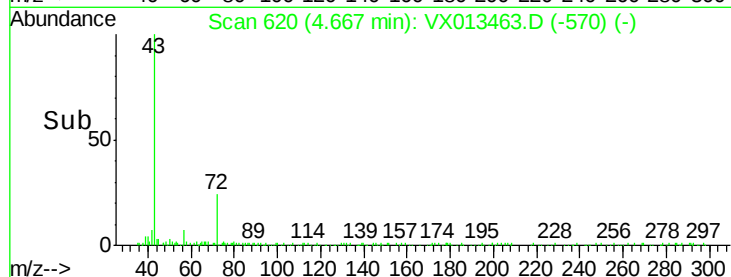
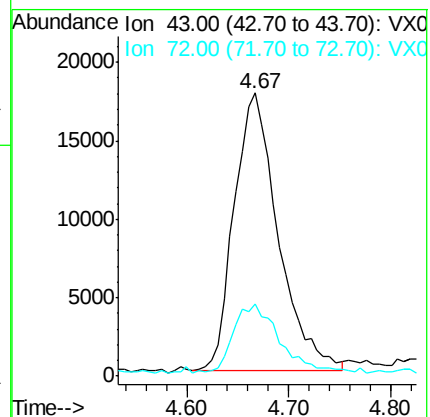
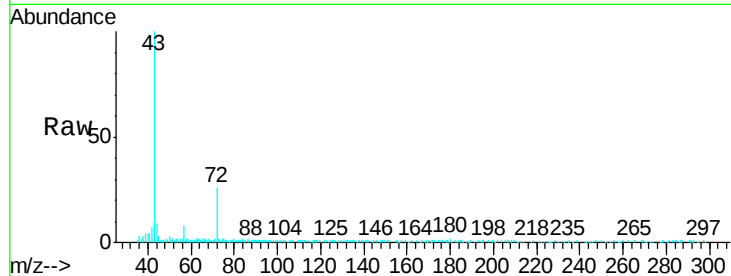
FA19-GMZ6-ER1

Tgt Ion: 43 Resp: 53006

Ion Ratio Lower Upper

43 100

72 24.8 21.0 31.6



#29

Tetrahydrofuran

Concen: 16.182 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

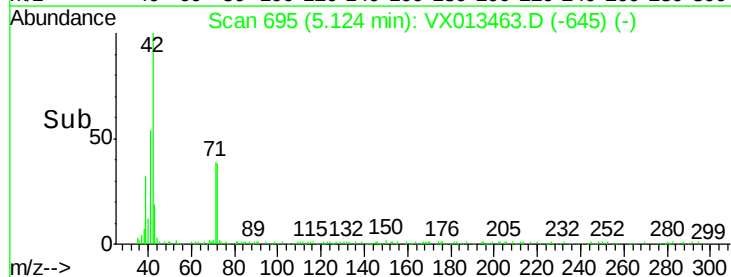
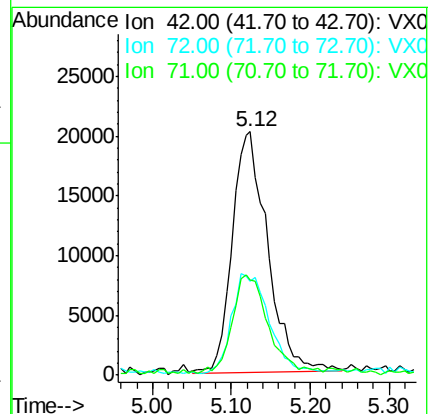
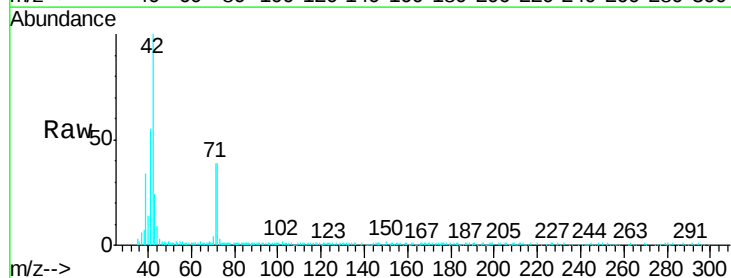
Tgt Ion: 42 Resp: 63346

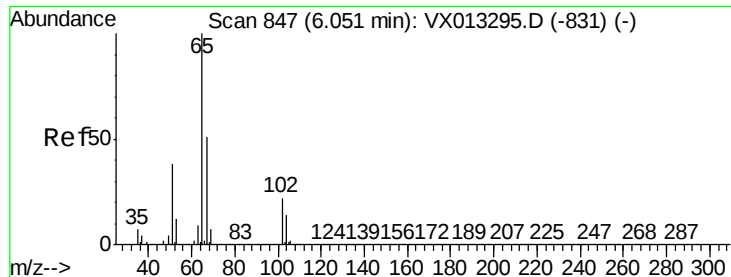
Ion Ratio Lower Upper

42 100

72 43.6 35.8 53.8

71 41.2 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 49.527 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

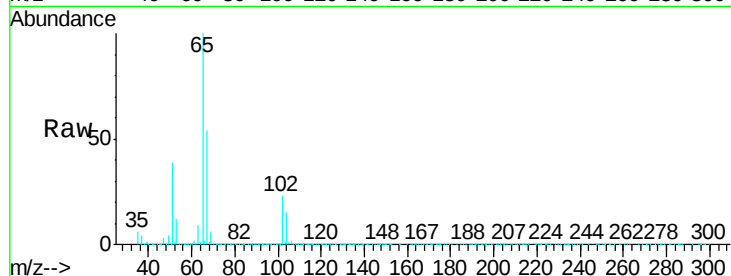
FA19-GMZ6-ER1

Tgt Ion: 65 Resp: 429957

Ion Ratio Lower Upper

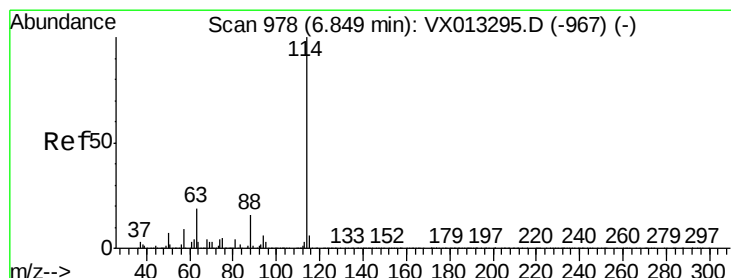
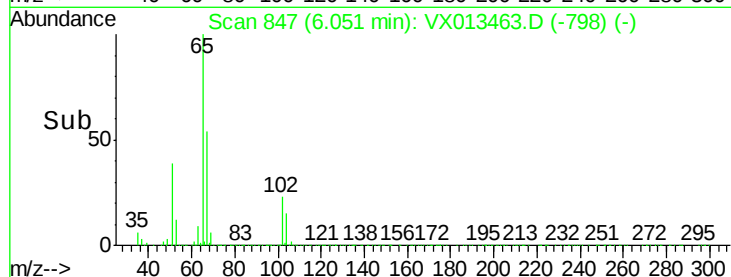
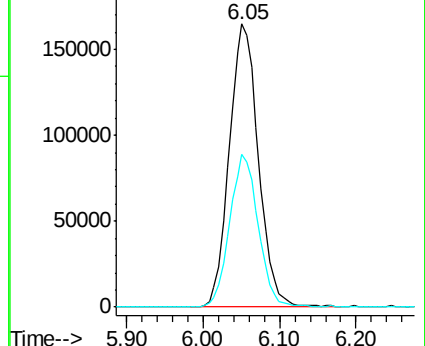
65 100

67 52.8 0.0 104.2



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: VX013463.D

Acq: 19 Nov 2019 14:25

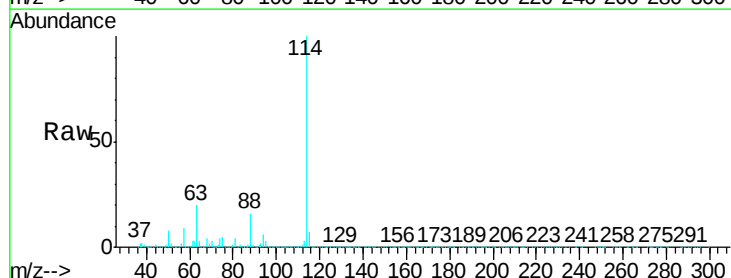
Tgt Ion: 114 Resp: 1184392

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

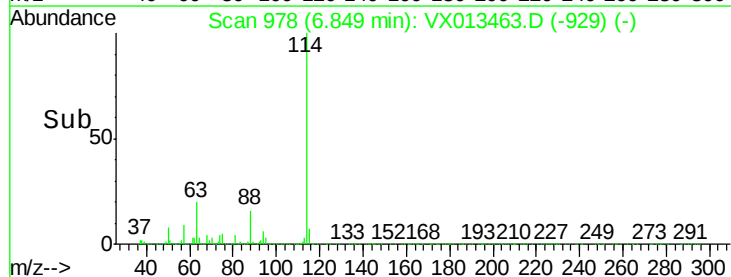
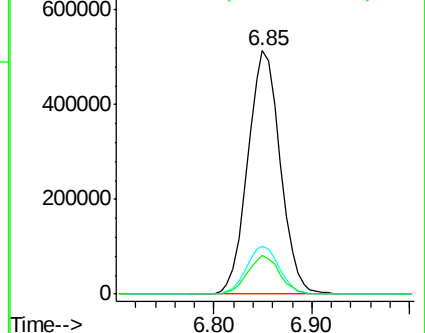
88 15.7 0.0 32.2

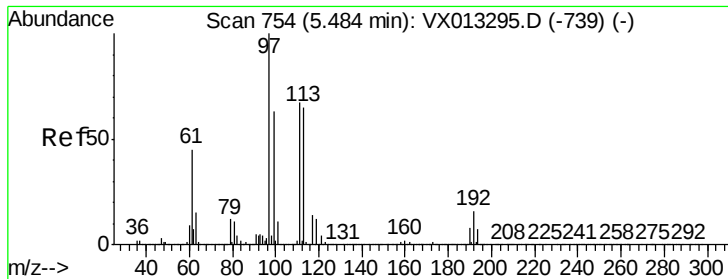


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.418 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

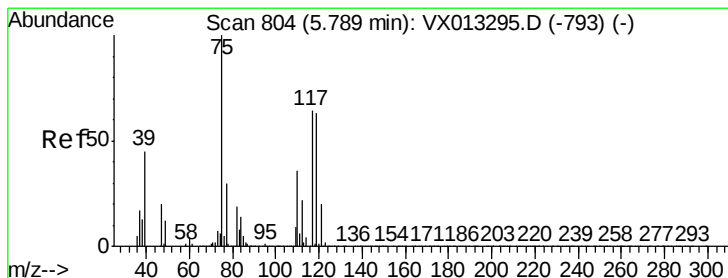
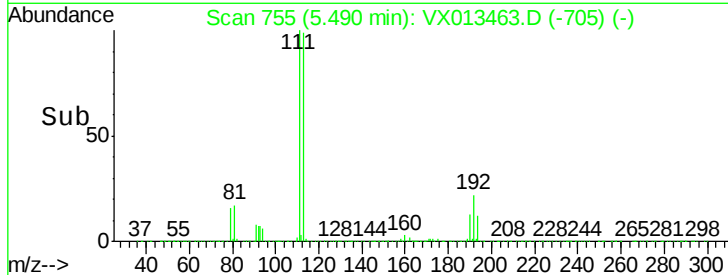
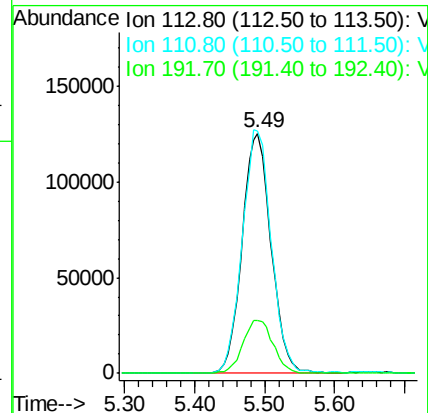
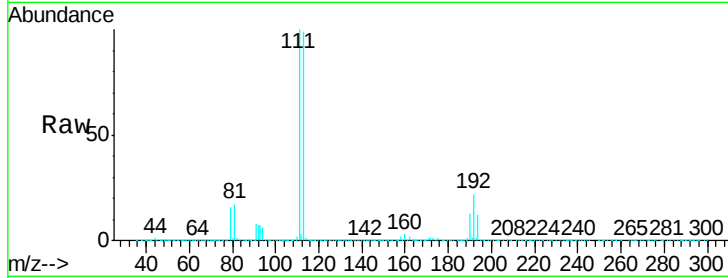
Instrument :

MSVOA_X

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FA19-GMZ6-ER1

Tgt Ion:	113	Resp:	359684
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	22.9	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

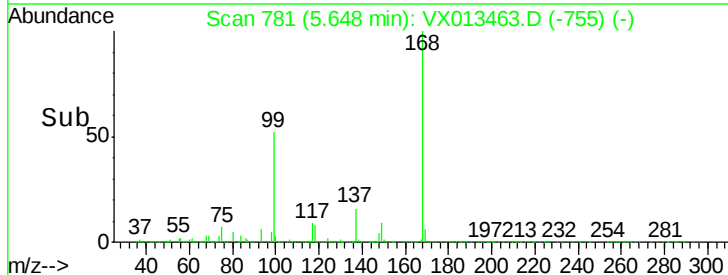
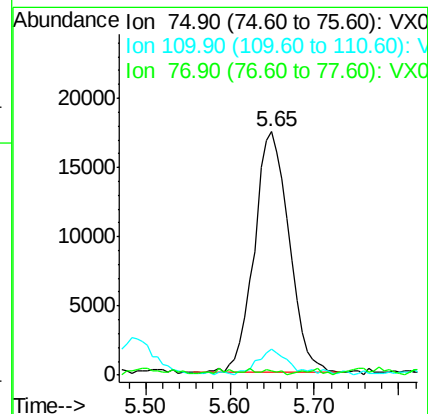
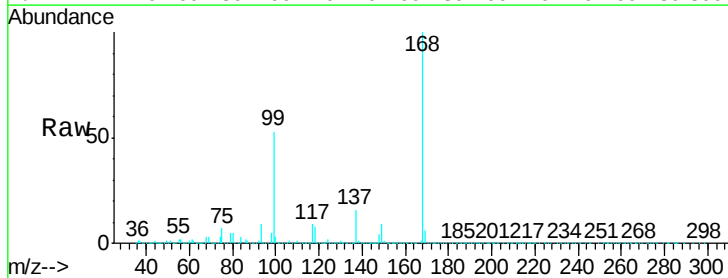
RT: 5.65 min Scan# 781

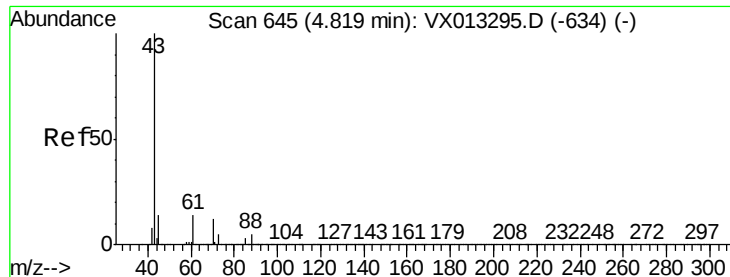
Delta R.T. -0.14 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Tgt Ion:	75	Resp:	49007
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.9	25.0	37.4#

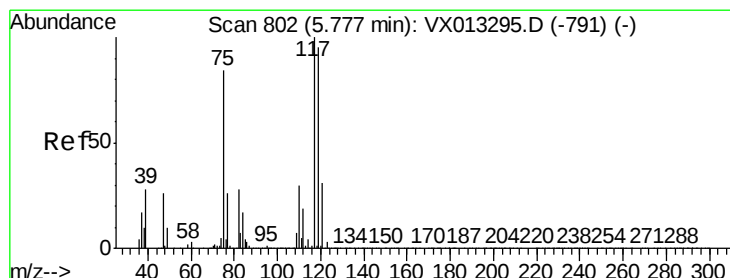
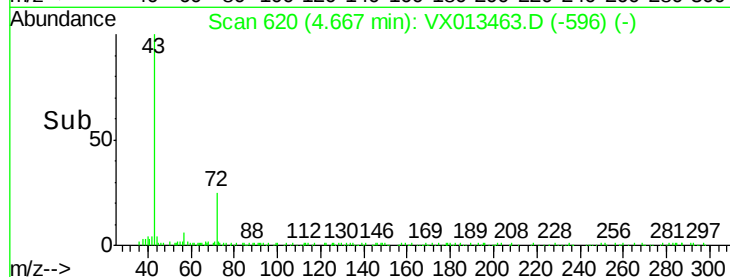
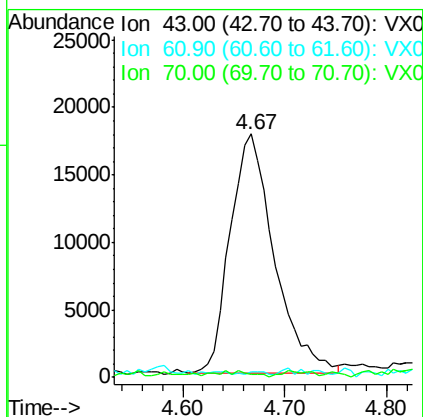
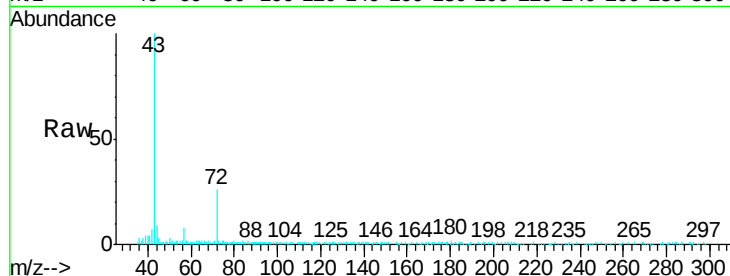




#37
Ethyl Acetate
Concen: 4.222 ug/l
RT: 4.67 min Scan# 620
Delta R.T. -0.15 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

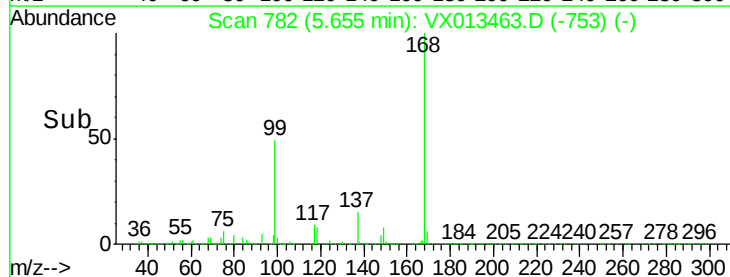
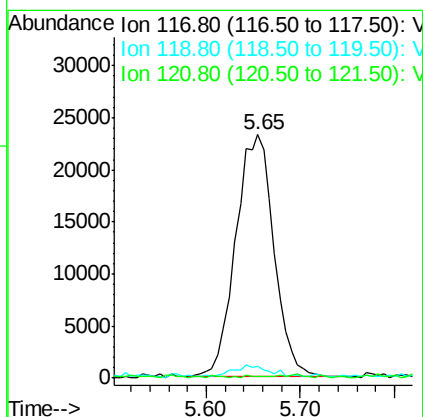
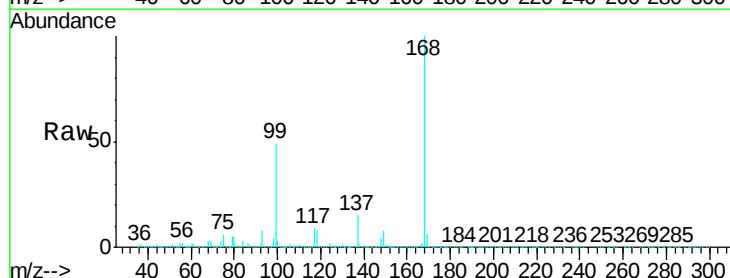
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ6-ER1

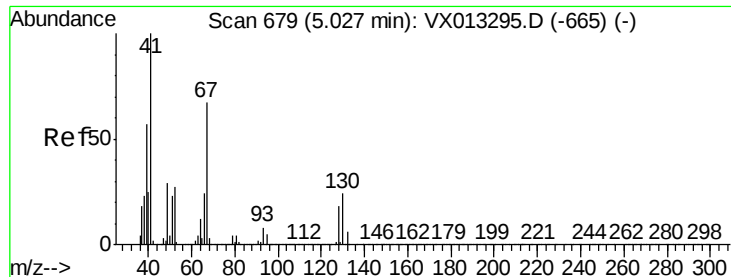
Tgt Ion: 43 Resp: 53006
Ion Ratio Lower Upper
43 100
61 0.4 10.7 16.1#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.614 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

Tgt Ion: 117 Resp: 65720
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.6 37.0#

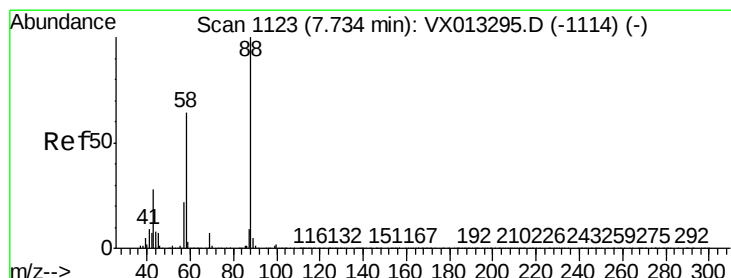
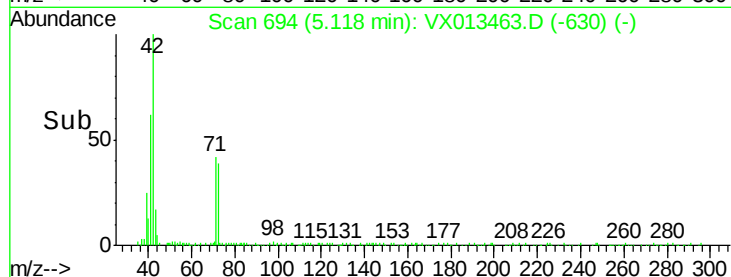
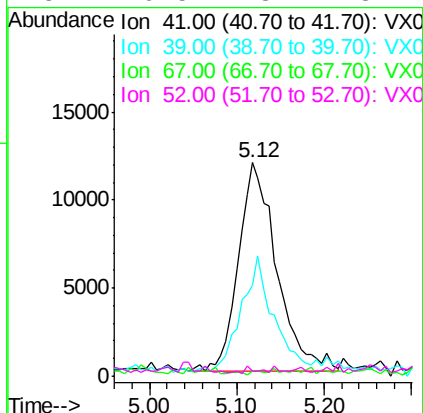
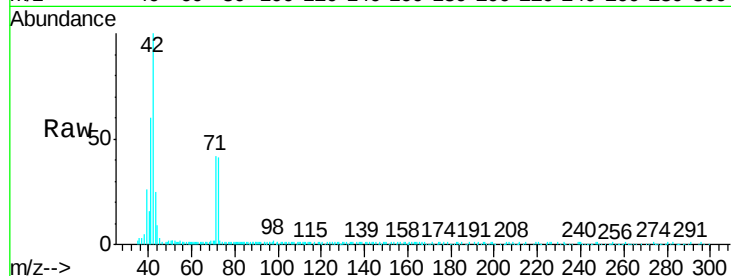




#41
Methacrylonitrile
Concen: 5.090 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.09 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

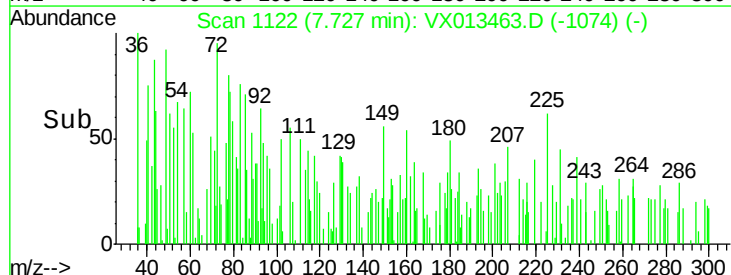
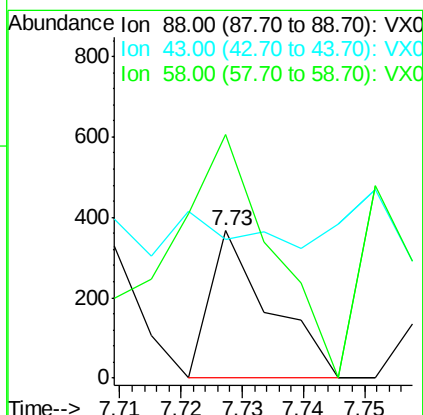
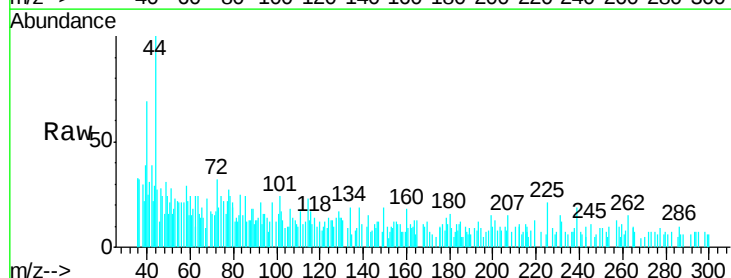
Instrument :
MSVOA_X
ClientSampled :
FA19-GMZ6-ER1

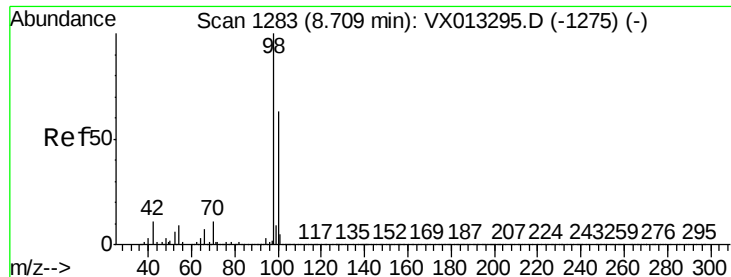
Tgt Ion:	41	Resp:	35821
Ion	Ratio	Lower	Upper
41	100		
39	46.5	45.0	67.6
67	0.6	55.4	83.2#
52	0.5	23.1	34.7#



#49
1,4-Dioxane
Concen: 1.105 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

Tgt Ion:	88	Resp:	247
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	272.1	55.0	82.6#





#50

Toluene-d8

Concen: 50.225 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

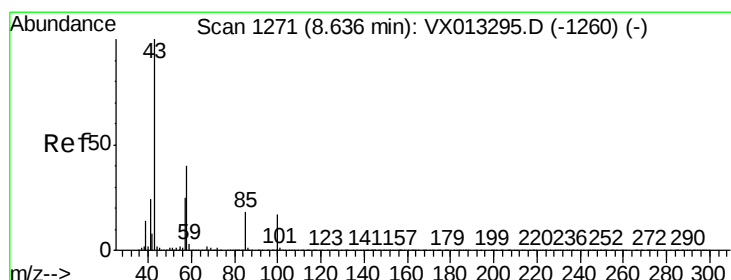
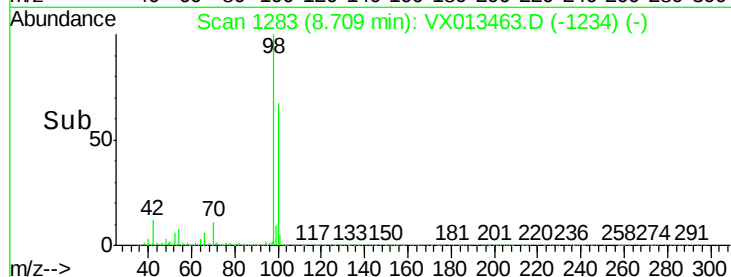
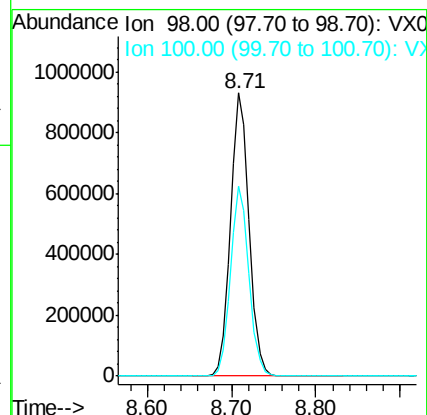
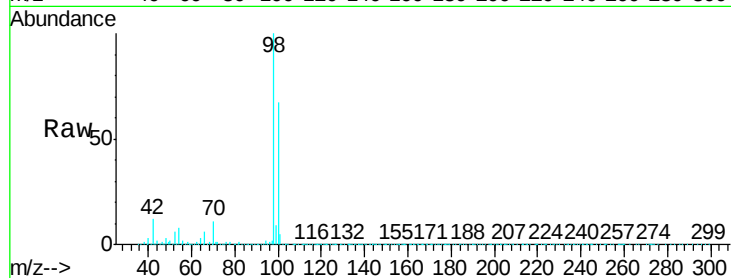
FA19-GMZ6-ER1

Tgt Ion: 98 Resp: 1406574

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.515 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013463.D

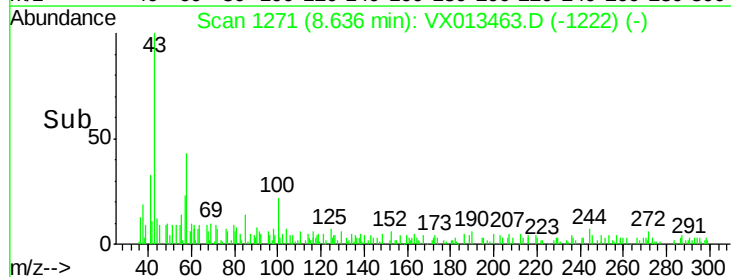
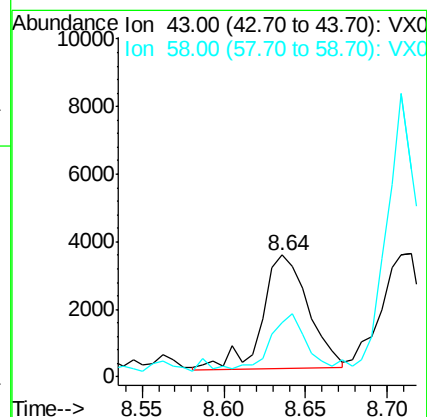
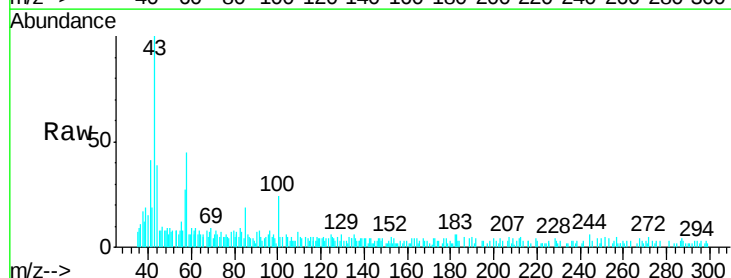
Acq: 19 Nov 2019 14:25

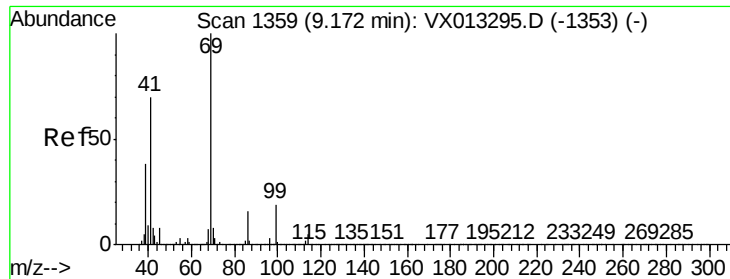
Tgt Ion: 43 Resp: 6600

Ion Ratio Lower Upper

43 100

58 37.0 31.4 47.0

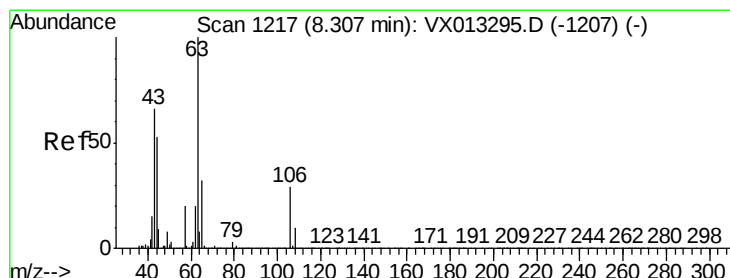
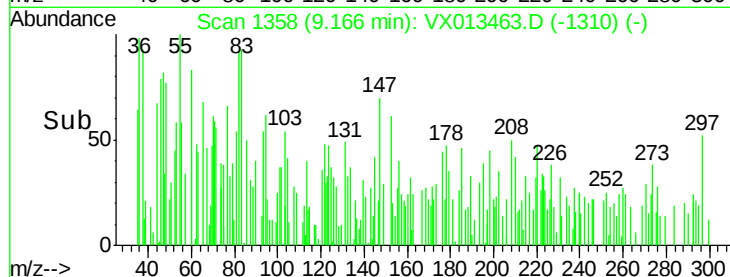
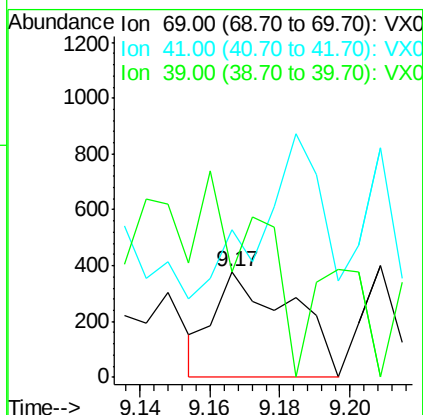
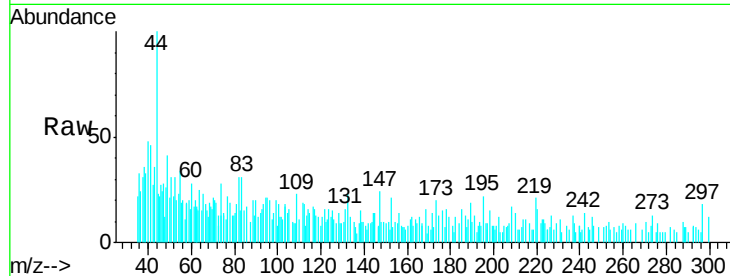




#56
Ethyl methacrylate
Concen: 1.603 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

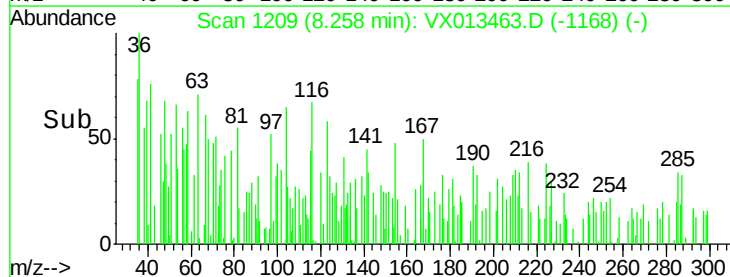
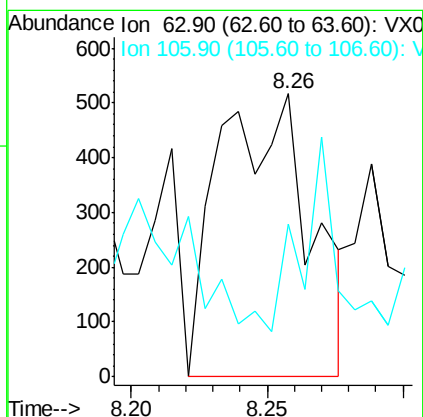
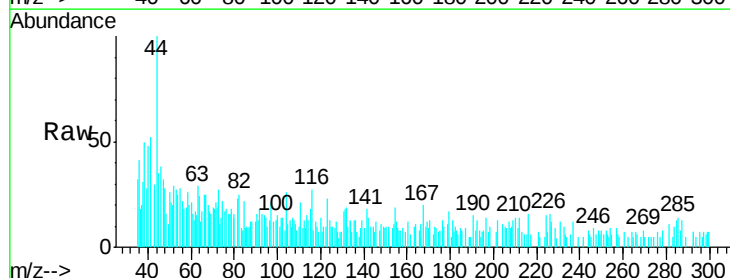
Instrument :
MSVOA_X
ClientSampled :
FA19-GMZ6-ER1

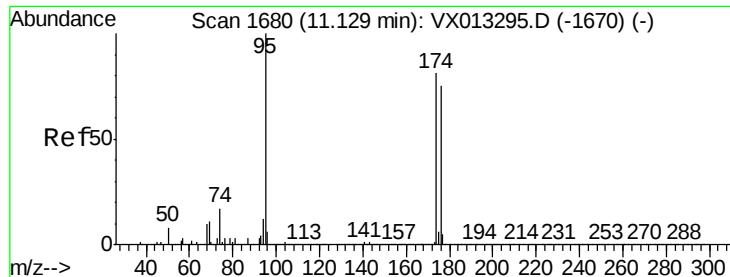
Tgt Ion: 69 Resp: 579
Ion Ratio Lower Upper
69 100
41 0.0 56.2 84.2#
39 0.0 31.1 46.7#



#58
2-Chloroethyl Vinyl ether
Concen: 0.216 ug/l
RT: 8.26 min Scan# 1209
Delta R.T. -0.05 min
Lab File: VX013463.D
Acq: 19 Nov 2019 14:25

Tgt Ion: 63 Resp: 1201
Ion Ratio Lower Upper
63 100
106 28.6 23.4 35.2





#62

4-Bromofluorobenzene

Concen: 45.869 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ6-ER1

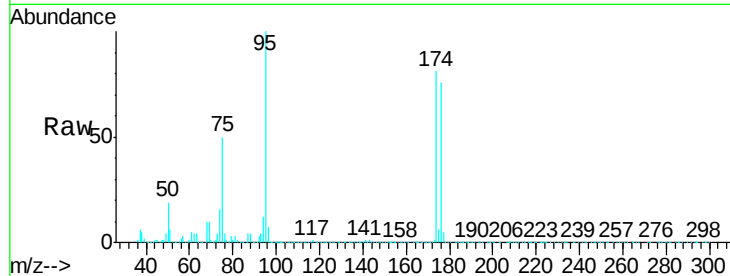
Tgt Ion: 95 Resp: 463613

Ion Ratio Lower Upper

95 100

174 89.7 0.0 179.8

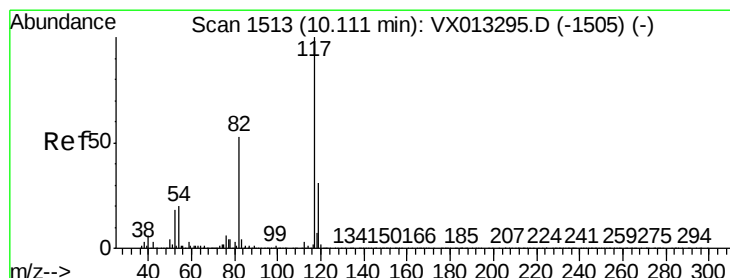
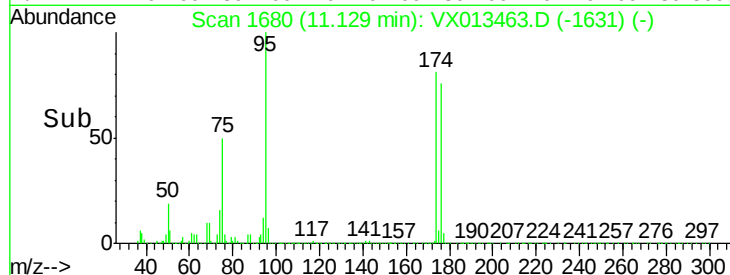
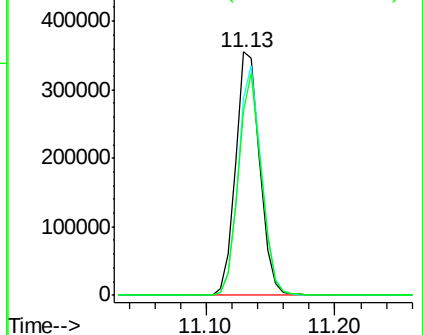
176 86.5 0.0 173.0



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: VX013463.D

Acq: 19 Nov 2019 14:25

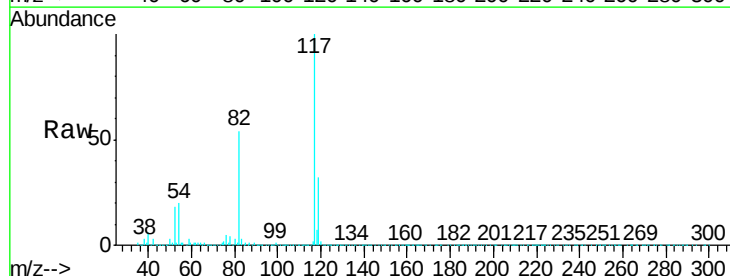
Tgt Ion: 117 Resp: 1054759

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

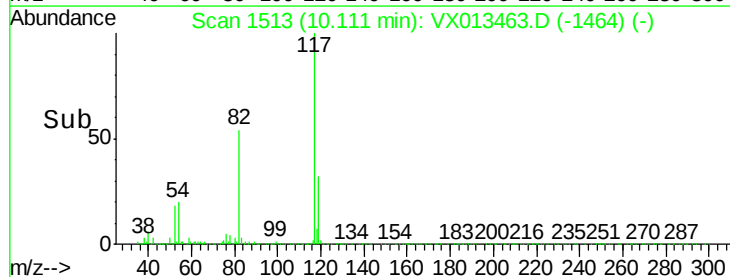
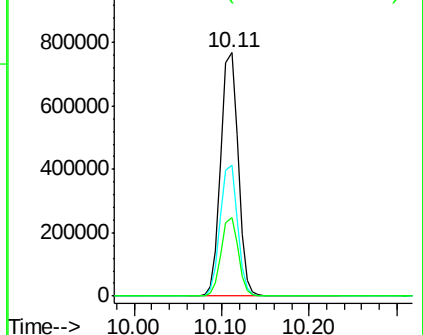
119 32.1 24.8 37.2

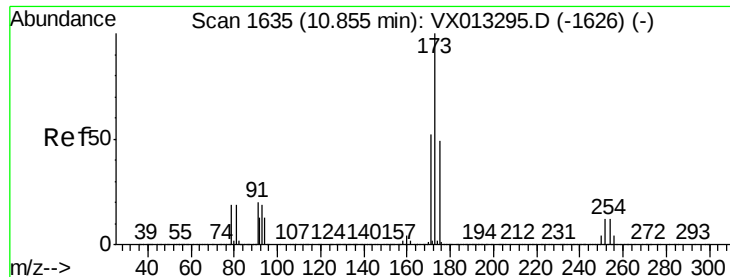


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.233 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampled :

FA19-GMZ6-ER1

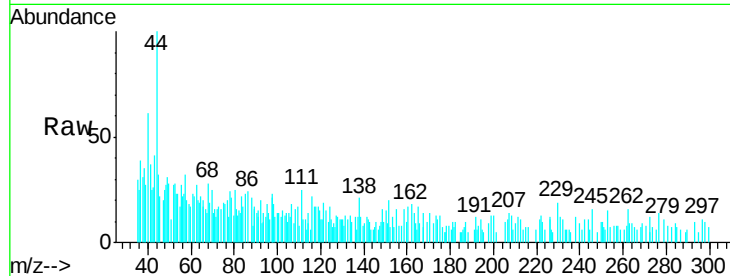
Tgt Ion:173 Resp: 233

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

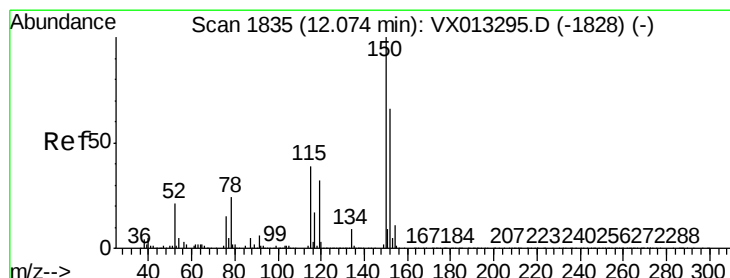
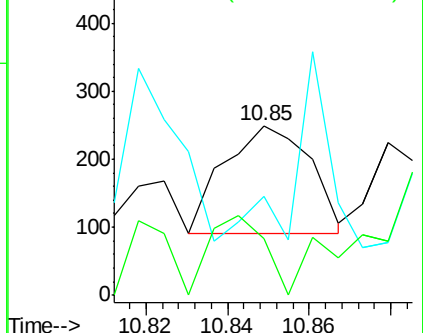
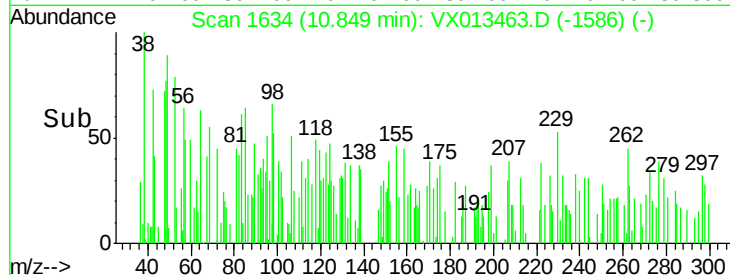
254 47.2 0.2 0.2#



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: VX013463.D

Acq: 19 Nov 2019 14:25

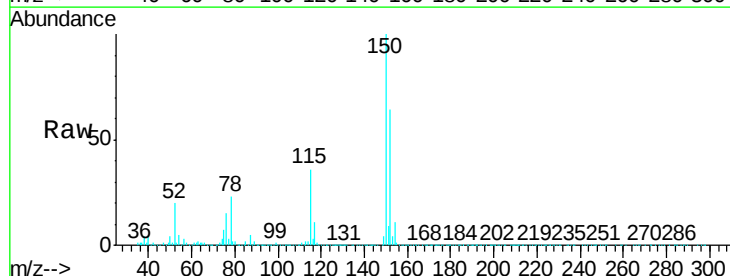
Tgt Ion:152 Resp: 460472

Ion Ratio Lower Upper

152 100

115 55.3 39.5 118.3

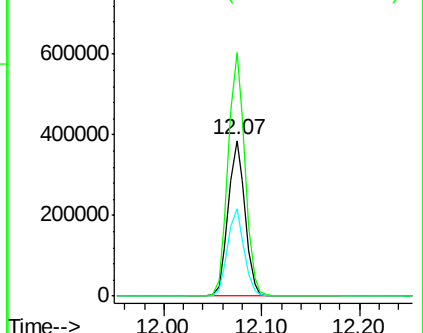
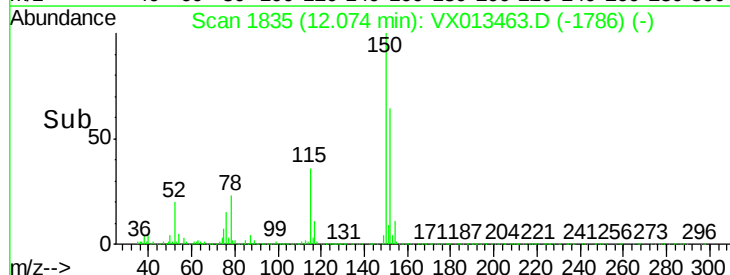
150 156.7 0.0 344.4

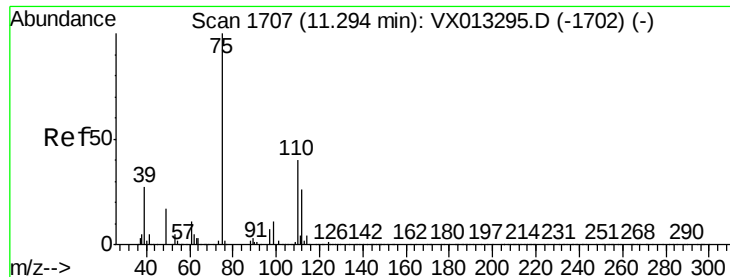


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.363 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

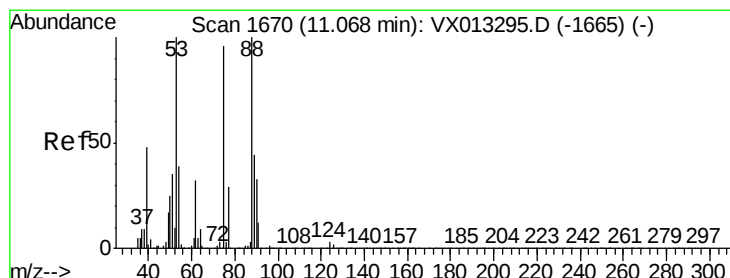
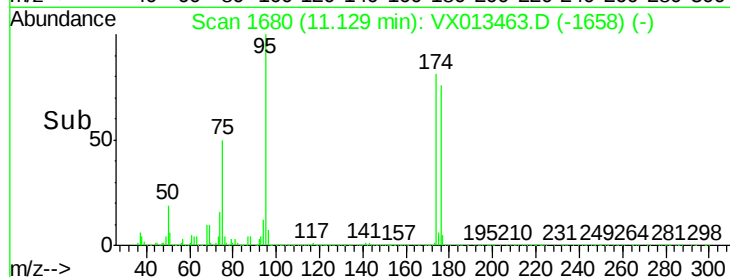
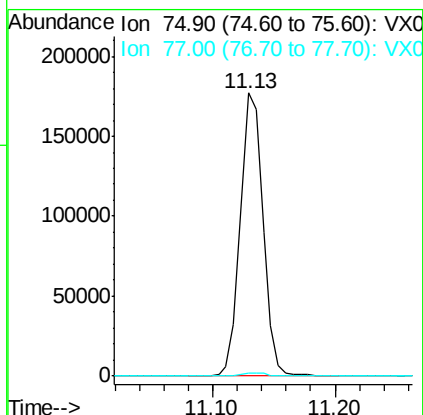
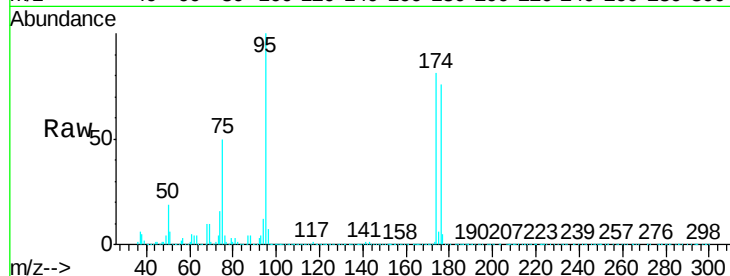
FA19-GMZ6-ER1

Tgt Ion: 75 Resp: 227860

Ion Ratio Lower Upper

75 100

77 1.8 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.709 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013463.D

Acq: 19 Nov 2019 14:25

Tgt Ion: 75 Resp: 227860

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 36.0 54.0#

