

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013045.D
 Acq On : 14 Oct 2019 12:36
 Operator : JC/SP
 Sample : K5313-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7344

Quant Time: Oct 15 01:23:59 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	176955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106557	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	5.49	113	85435	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	8.71	98	331227	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.14	95	106431	43.11	ug/l	0.00
Spiked Amount			Recovery	=	86.22%	

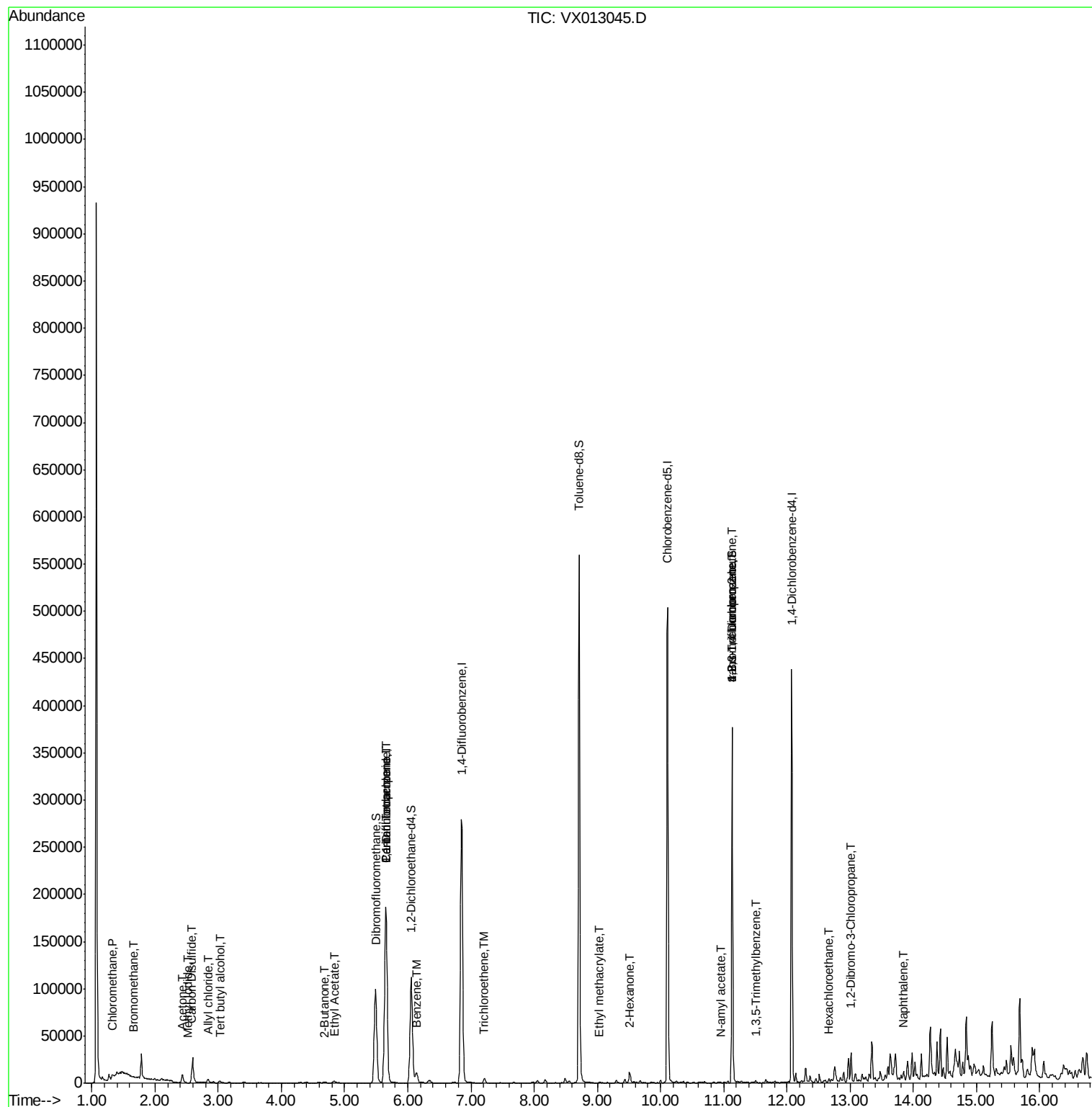
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	887	0.452	ug/l #	84
5) Bromomethane	1.66	94	246	0.292	ug/l	96
10) Methyl Iodide	2.52	142	21	5.091	ug/l #	40
11) Tert butyl alcohol	3.03	59	1946	3.319	ug/l #	85
14) Allyl chloride	2.84	41	1077	0.338	ug/l #	66
16) Acetone	2.43	43	9778	8.387	ug/l	94
17) Carbon Disulfide	2.58	76	1178	0.231	ug/l #	75
25) 2-Butanone	4.68	43	501	0.310	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	13670	5.478	ug/l #	47
37) Ethyl Acetate	4.83	43	3978	1.426	ug/l #	93
38) Carbon Tetrachloride	5.65	117	18182	7.486	ug/l #	17
40) Benzene	6.14	78	12926	1.754	ug/l	98
44) Trichloroethene	7.20	130	2066	1.011	ug/l	99
56) Ethyl methacrylate	9.04	69	65	1.850	ug/l #	1
59) 2-Hexanone	9.51	43	1032	0.475	ug/l	87
74) N-amyl acetate	10.95	43	836	0.302	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	51321	26.443	ug/l #	32
80) 1,3,5-Trimethylbenzene	11.51	105	1290	0.240	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	51321	66.528	ug/l #	10
90) Hexachloroethane	12.67	117	210	2.311	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.01	75	119	0.237	ug/l #	1
95) Naphthalene	13.84	128	2570	0.429	ug/l #	48

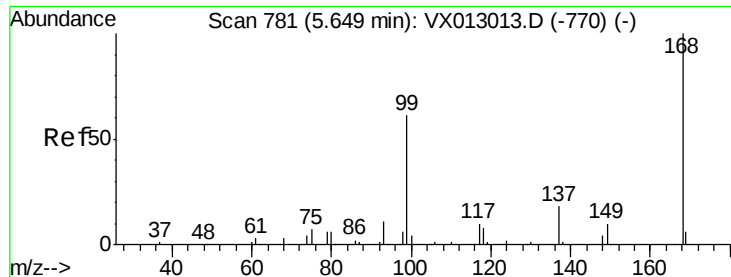
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Oct 15 01:23:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
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: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

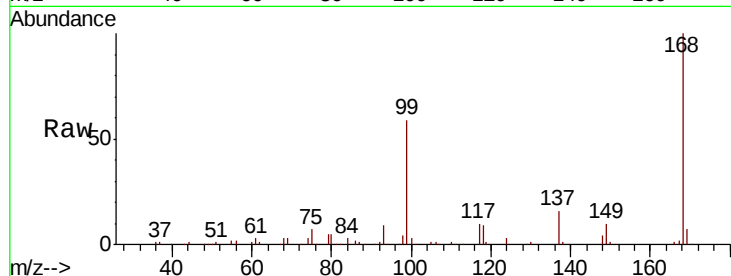
FA19-JBW7344

Tot Ion:168 Resp: 176955

Ion Ratio Lower Upper

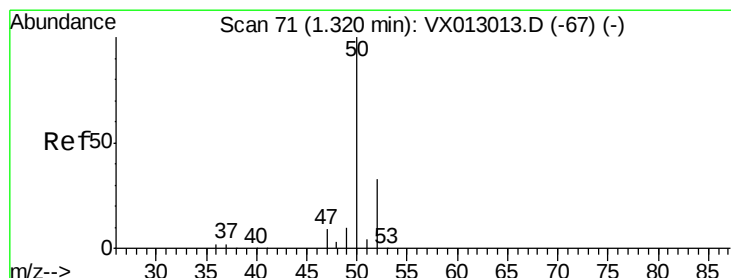
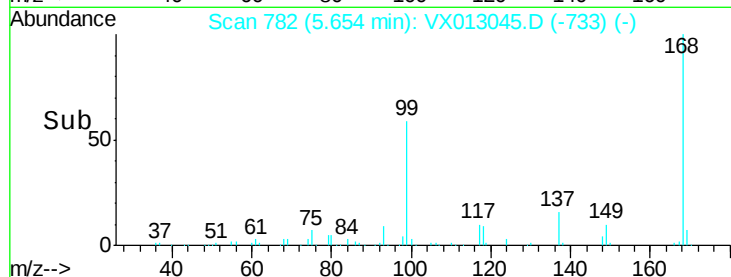
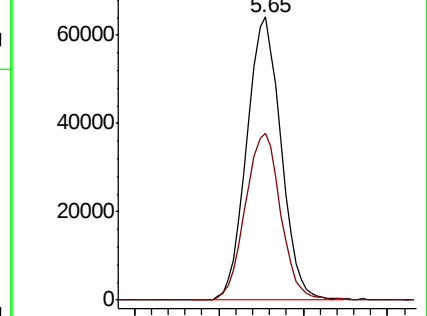
168 100

99 59.0 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: 0.452 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013045.D

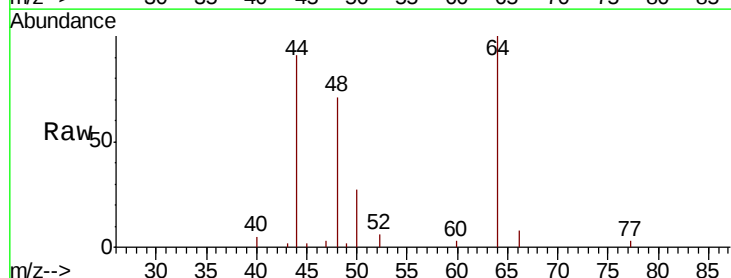
Acq: 14 Oct 2019 12:36

Tgt Ion: 50 Resp: 887

Ion Ratio Lower Upper

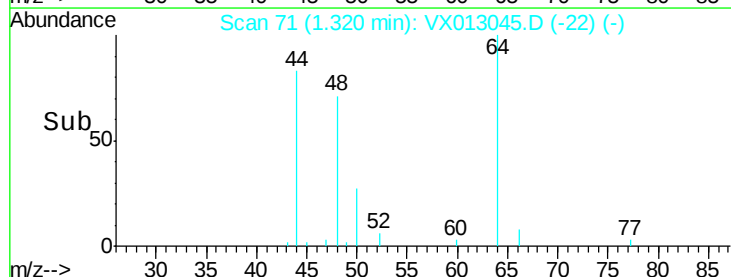
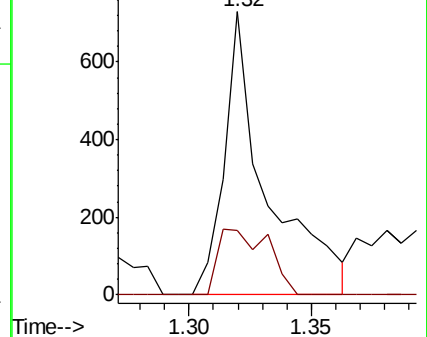
50 100

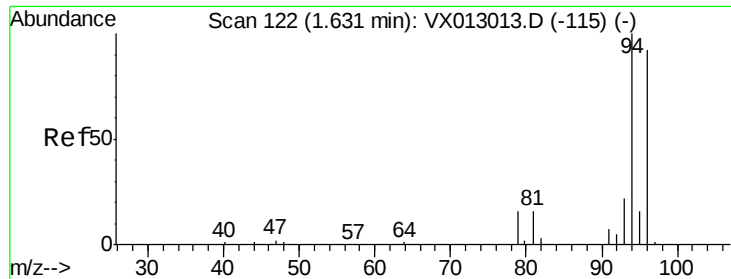
52 22.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

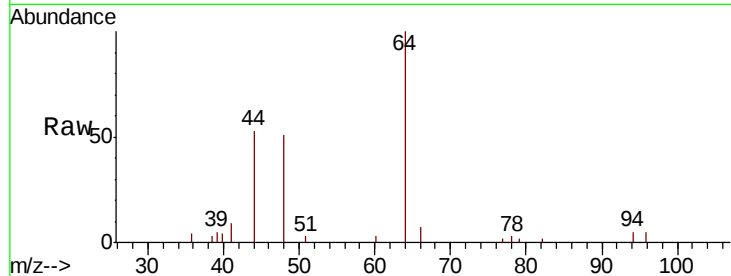
FA19-JBW7344

Tot Ion: 94 Resp: 246

Ion Ratio Lower Upper

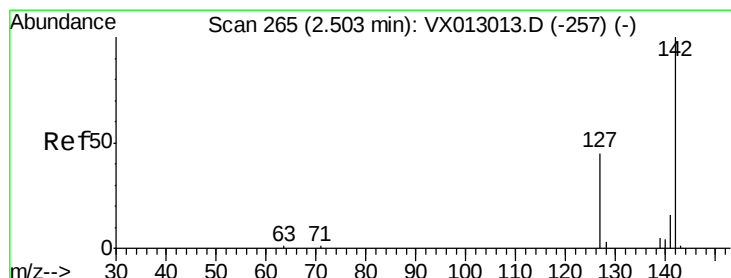
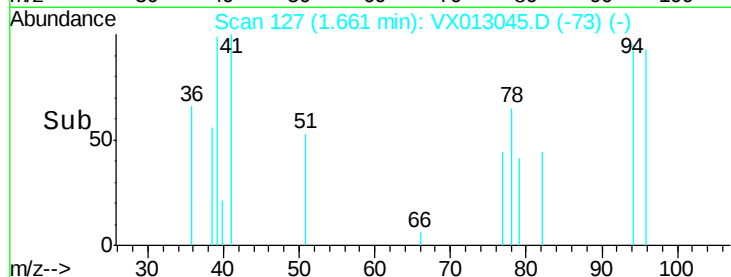
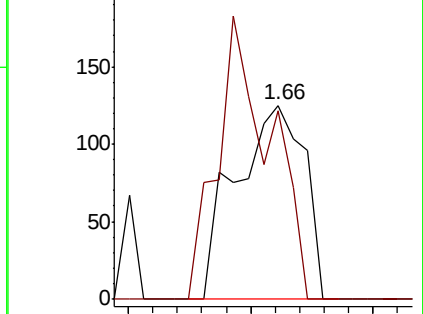
94 100

96 97.6 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.091 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

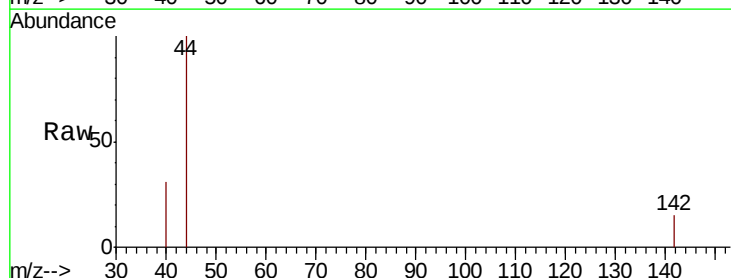
Tgt Ion: 142 Resp: 21

Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

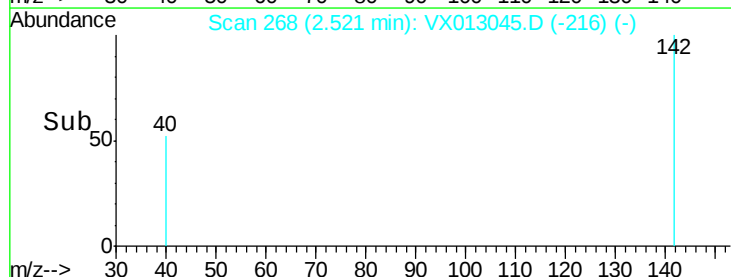
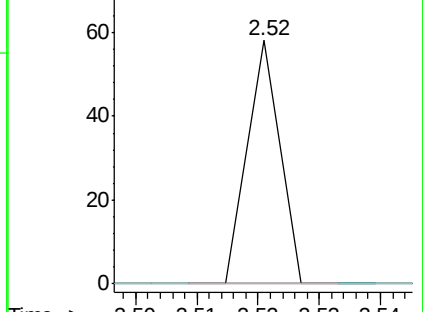
141 0.0 11.6 17.4#

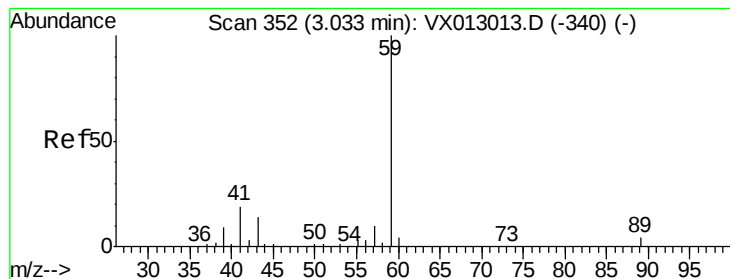


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



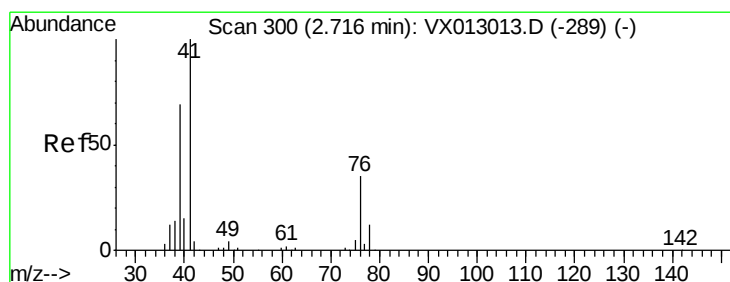
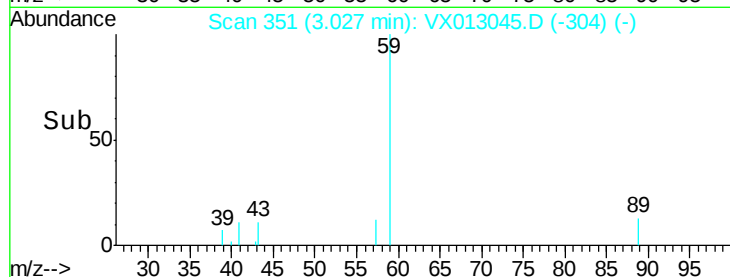
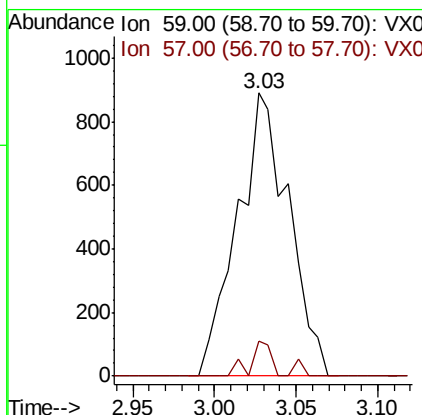
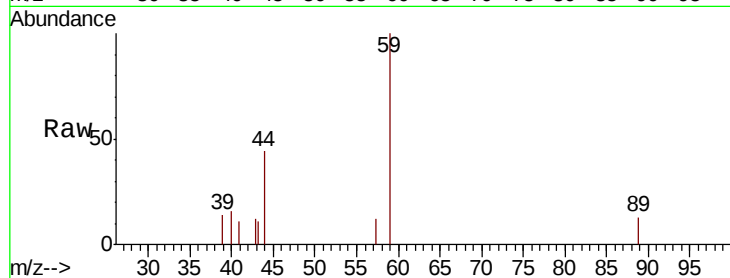


#11

Tert butyl alcohol
 Concen: 3.319 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7344

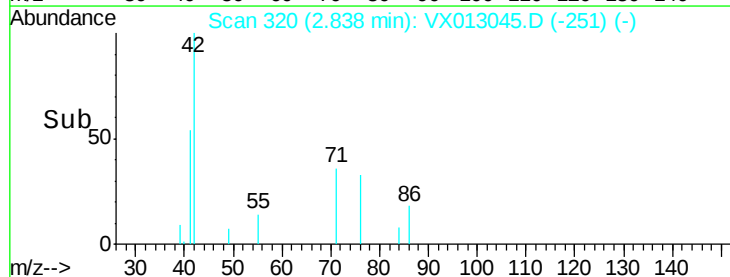
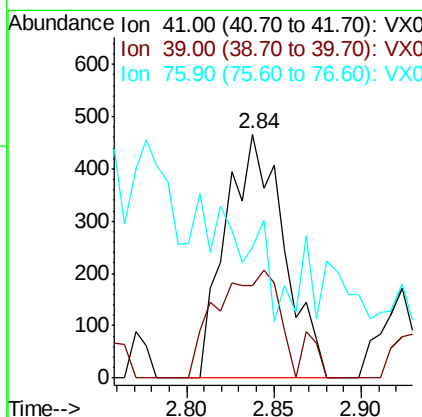
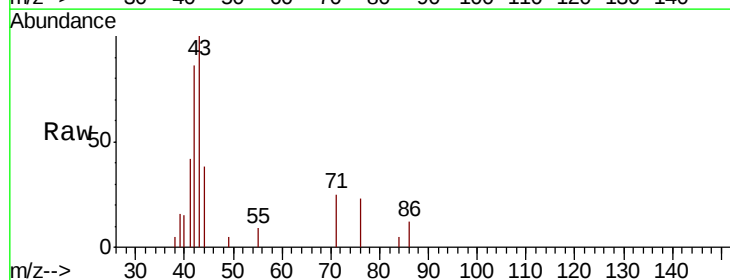
Tot Ion: 59 Resp: 1946
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.3 12.5#

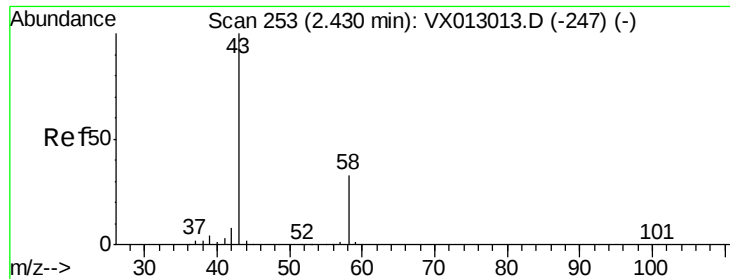


#14

Allyl chloride
 Concen: 0.338 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. 0.12 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Tgt Ion: 41 Resp: 1077
 Ion Ratio Lower Upper
 41 100
 39 46.9 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 8.387 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

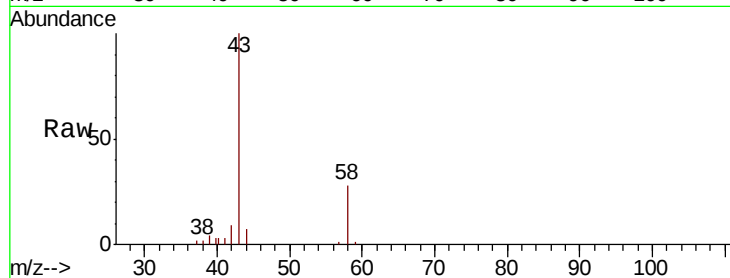
FA19-JBW7344

Tot Ion: 43 Resp: 9778

Ion Ratio Lower Upper

43 100

58 28.5 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

4000

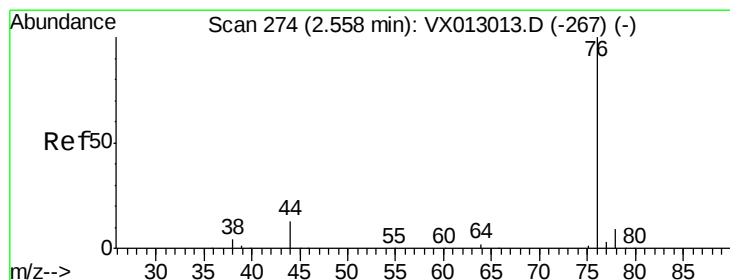
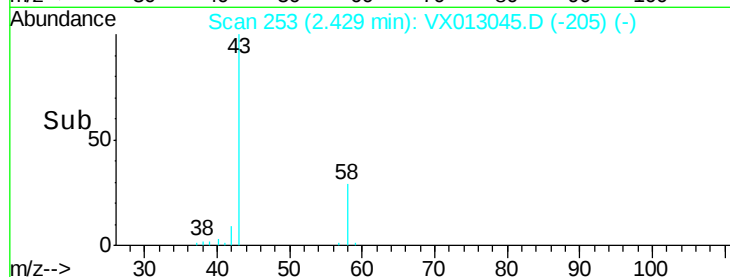
2000

0

Time-->

2.40

2.50



#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.58 min Scan# 277

Delta R.T. 0.01 min

Lab File: VX013045.D

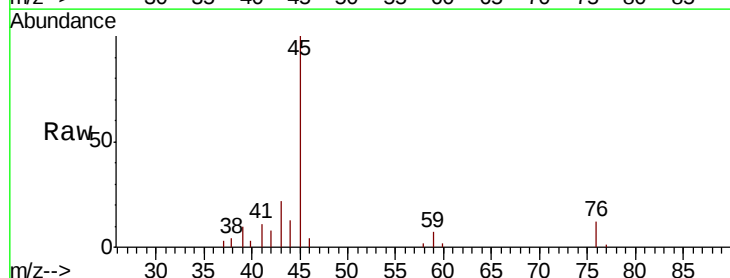
Acq: 14 Oct 2019 12:36

Tgt Ion: 76 Resp: 1178

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

500

400

300

200

100

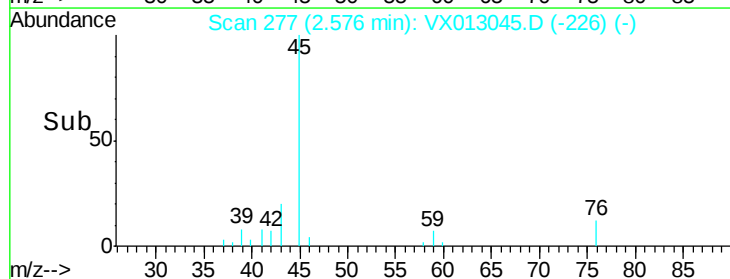
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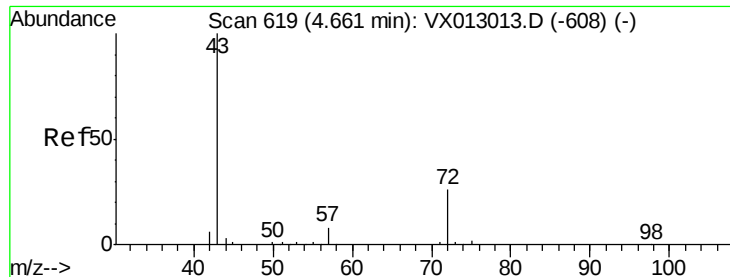
Time-->

2.50

2.55

2.60





#25

2-Butanone

Concen: 0.310 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

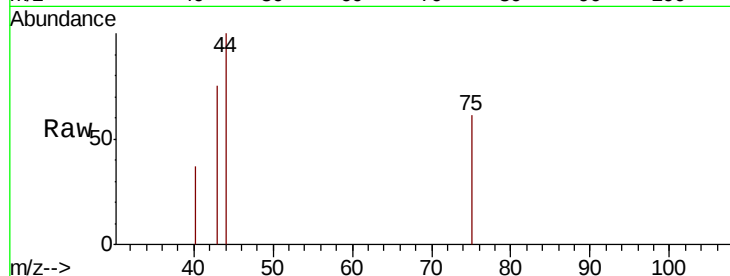
FA19-JBW7344

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

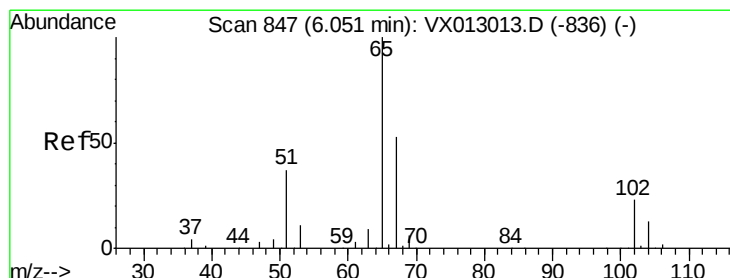
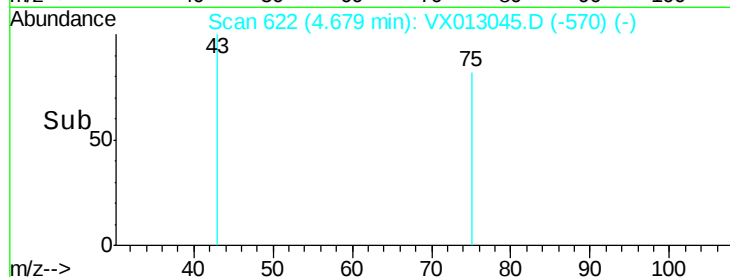
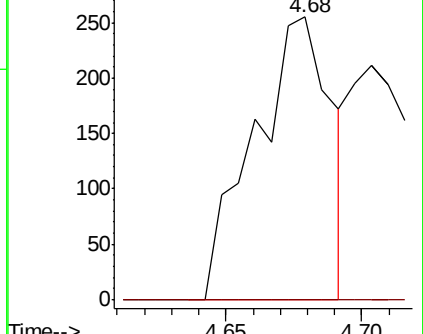
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.178 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX013045.D

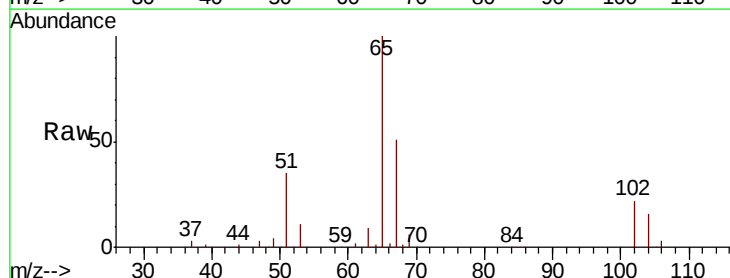
Acq: 14 Oct 2019 12:36

Tgt Ion: 65 Resp: 106557

Ion Ratio Lower Upper

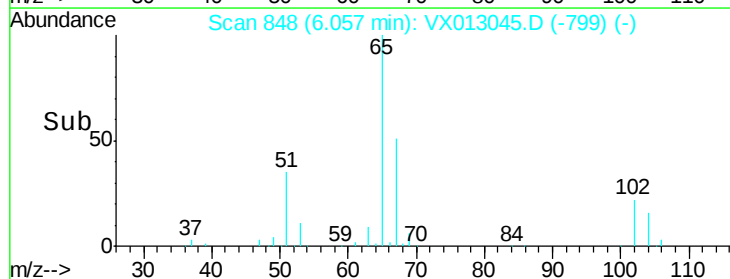
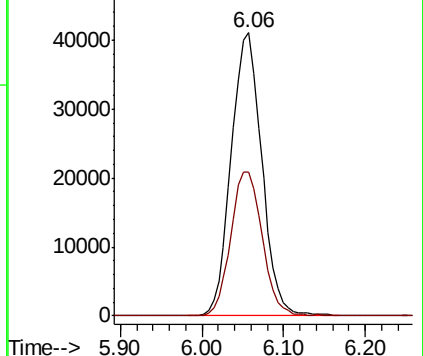
65 100

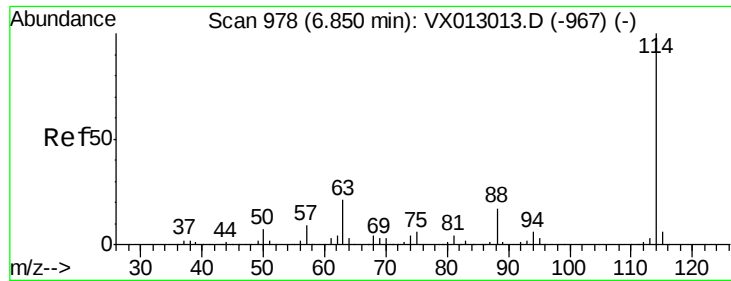
67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

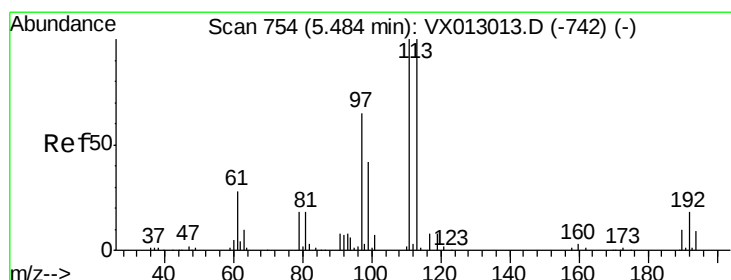
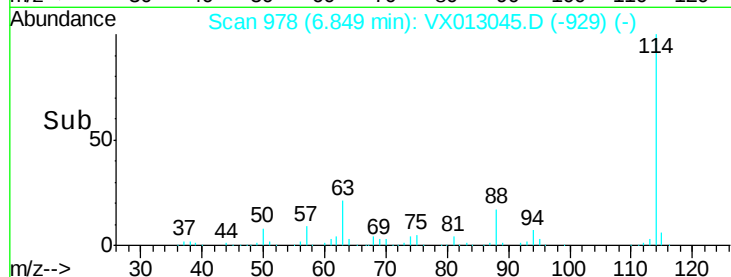
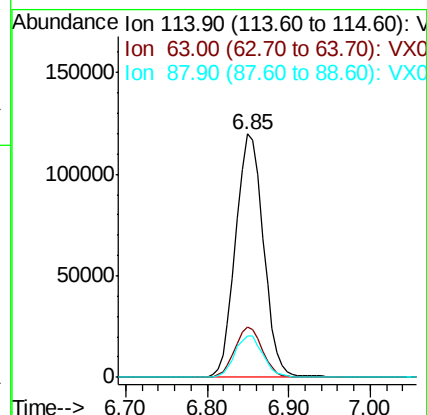
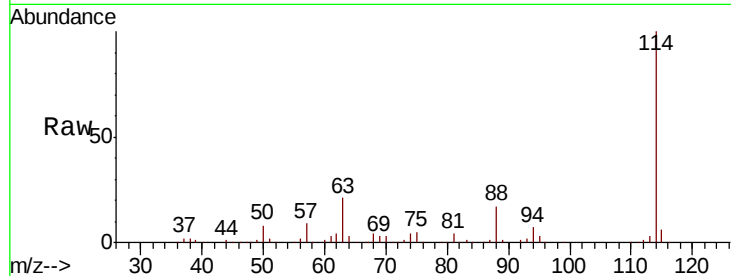




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

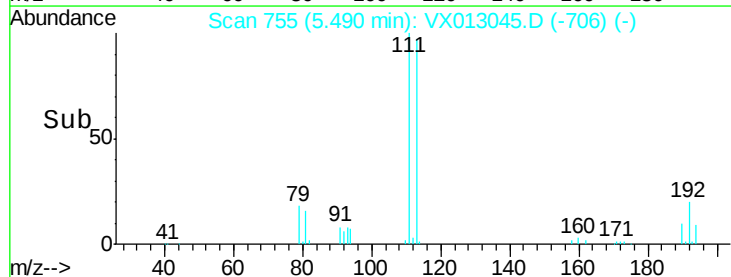
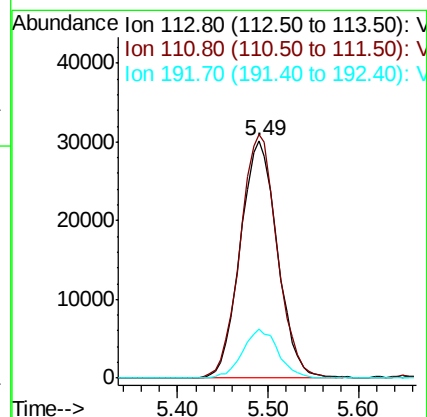
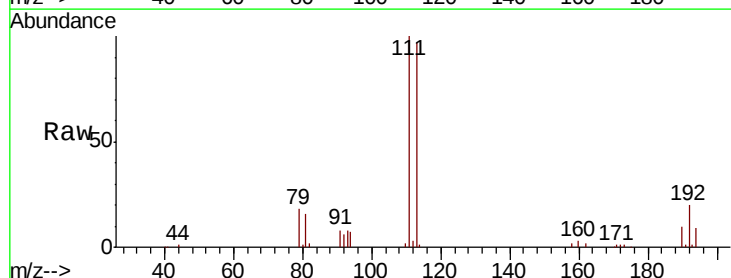
Instrument :
 MSVOA_X
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 FA19-JBW7344

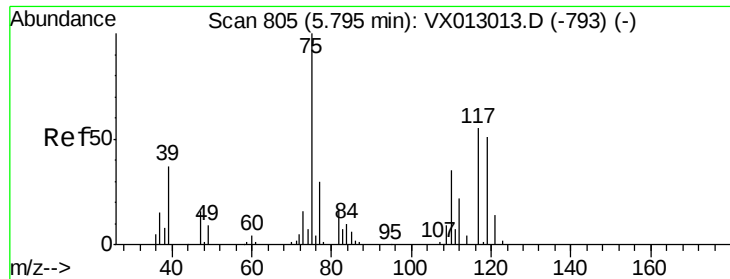
Tot Ion:114 Resp: 283812
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 17.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 52.449 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Tgt Ion:113 Resp: 85435
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.2 124.8
 192 19.8 15.4 23.2

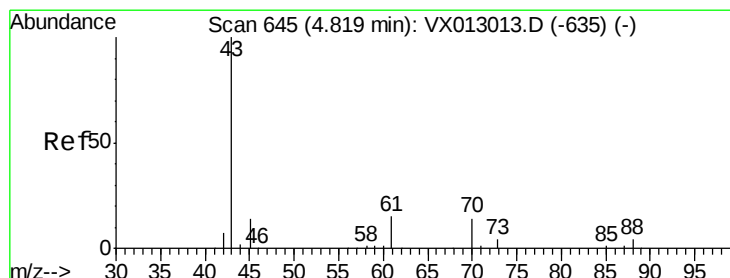
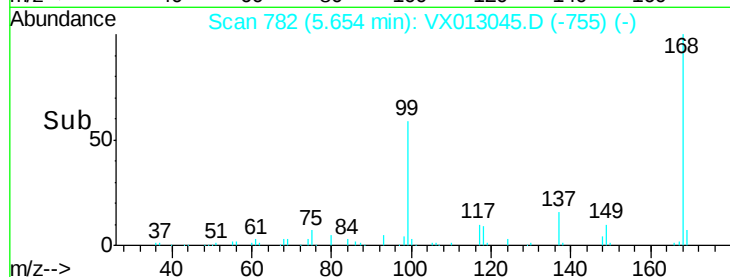
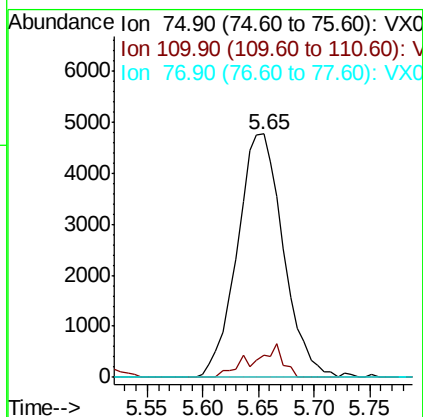
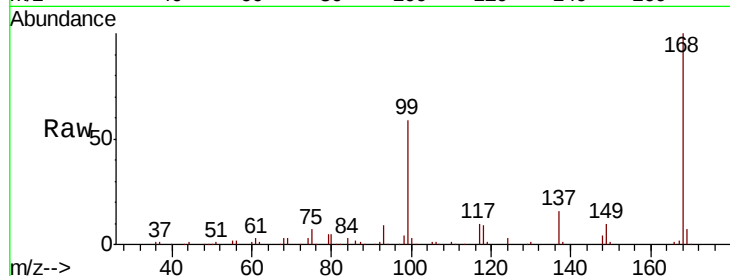




#36
 1,1-Dichloropropene
 Concen: 5.478 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

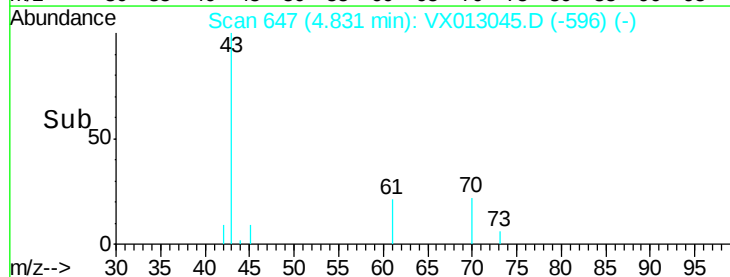
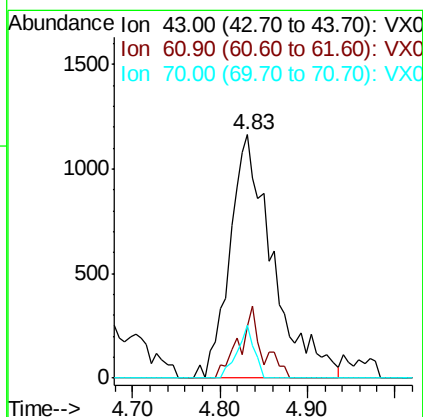
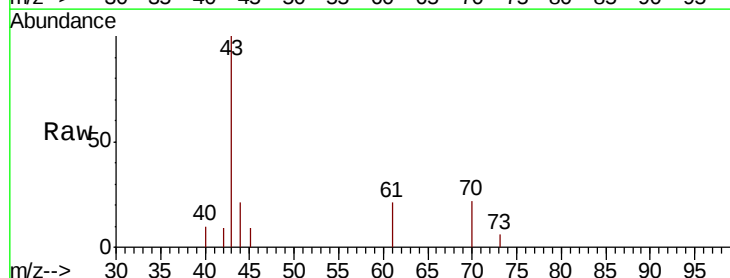
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7344

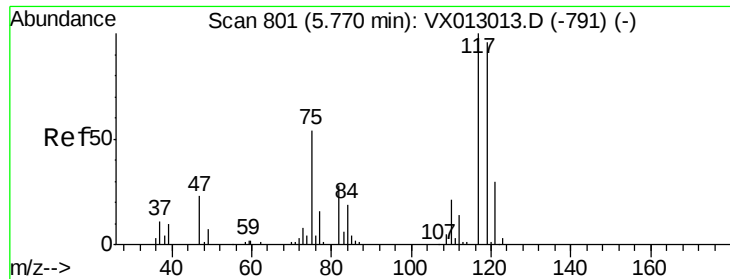
Tot Ion: 75 Resp: 13670
 Ion Ratio Lower Upper
 75 100
 110 6.2 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.426 ug/l
 RT: 4.83 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Tgt Ion: 43 Resp: 3978
 Ion Ratio Lower Upper
 43 100
 61 16.1 11.4 17.0
 70 8.7 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 7.486 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7344

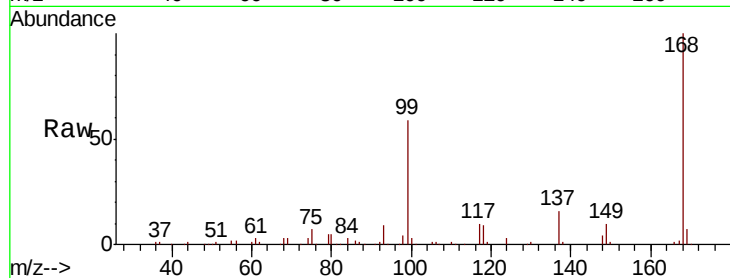
Tot Ion:117 Resp: 18182

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

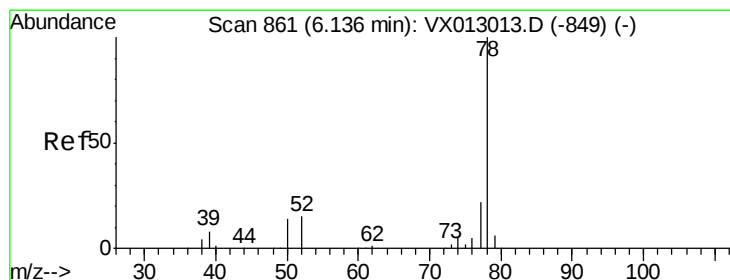
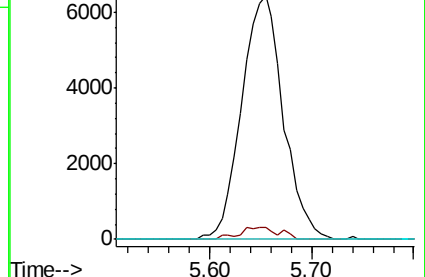
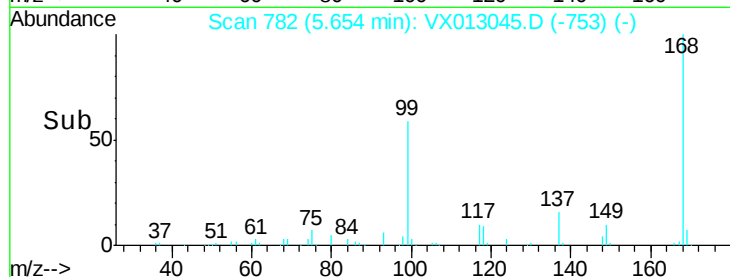
121 0.0 24.2 36.4#



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



#40

Benzene

Concen: 1.754 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX013045.D

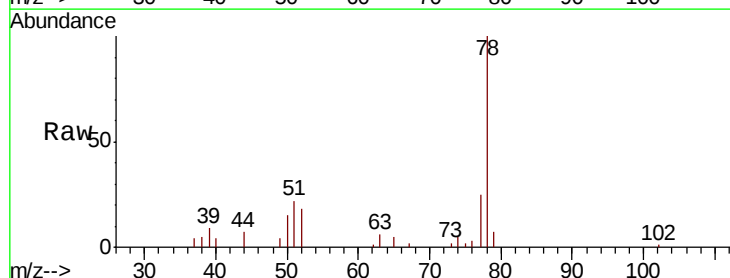
Acq: 14 Oct 2019 12:36

Tgt Ion: 78 Resp: 12926

Ion Ratio Lower Upper

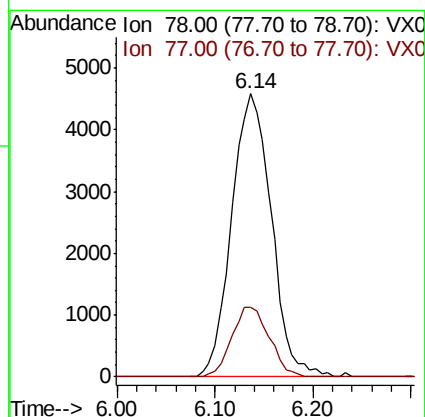
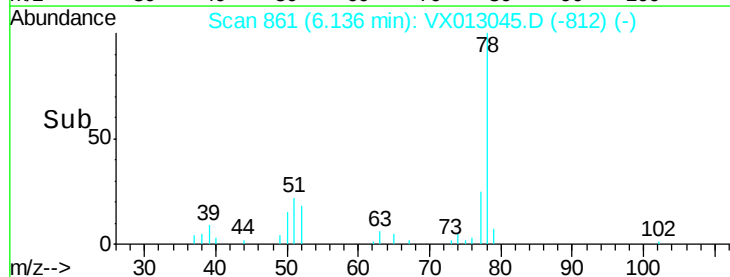
78 100

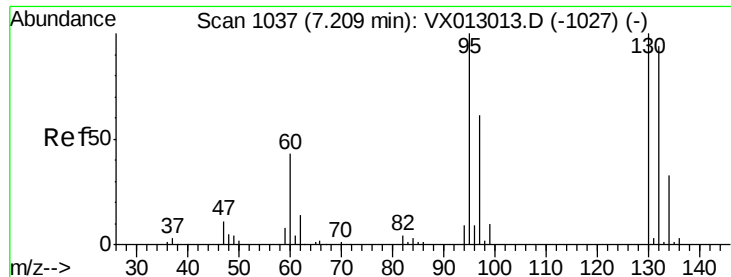
77 24.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

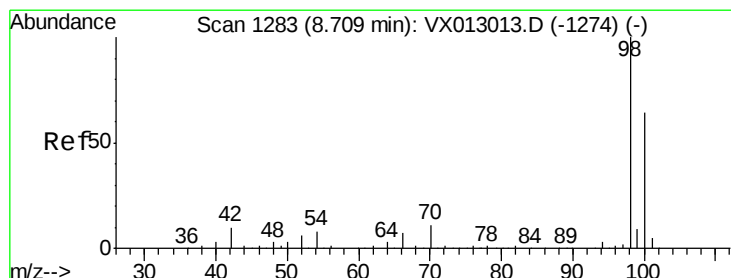
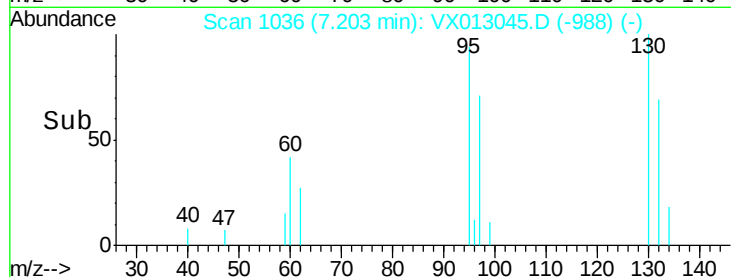
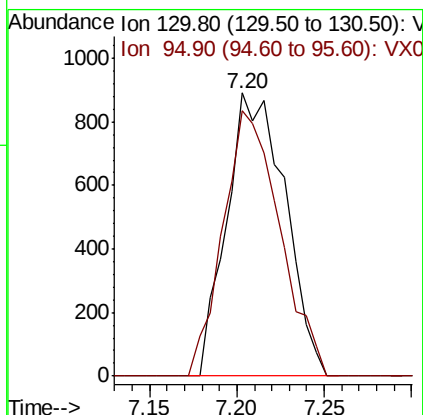
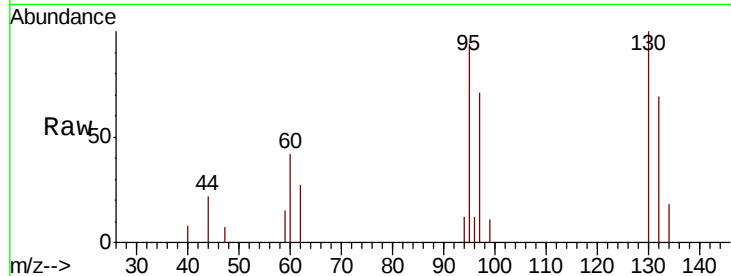




#44
 Trichloroethene
 Concen: 1.011 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

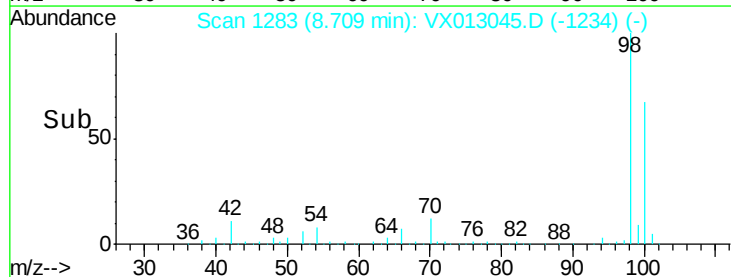
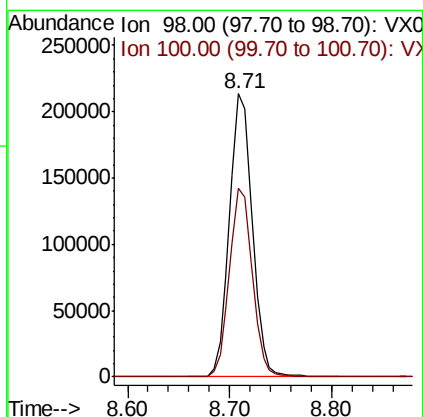
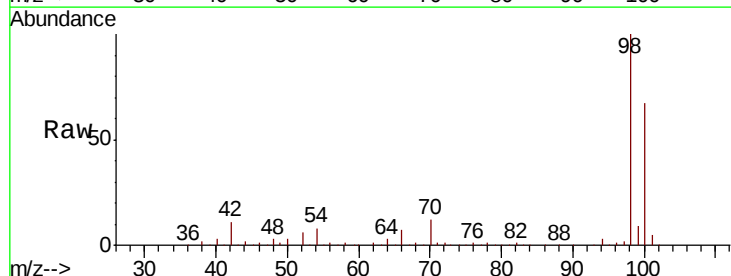
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7344

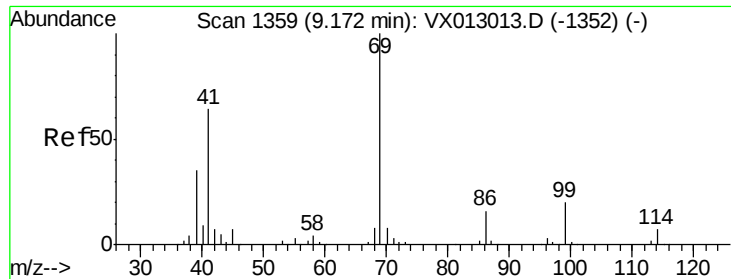
Tot Ion:130 Resp: 2066
 Ion Ratio Lower Upper
 130 100
 95 93.7 0.0 189.2



#50
 Toluene-d8
 Concen: 52.135 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Tgt Ion: 98 Resp: 331227
 Ion Ratio Lower Upper
 98 100
 100 66.8 53.4 80.2

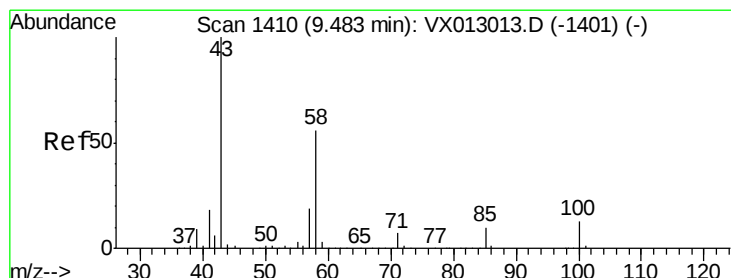
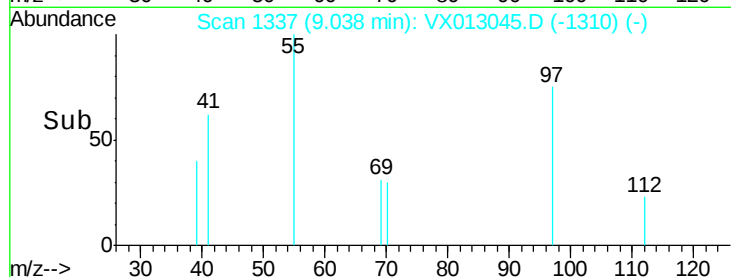
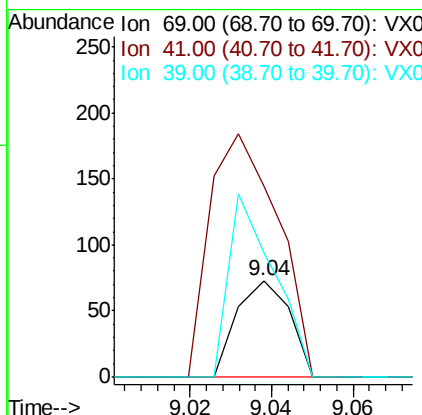
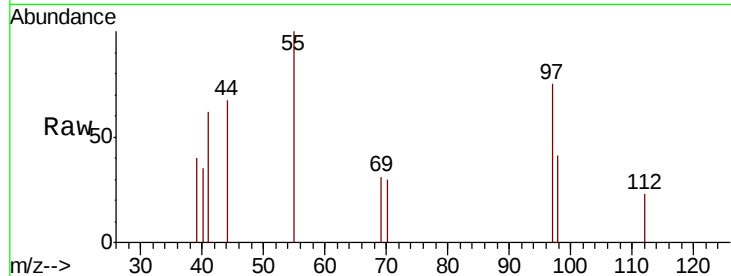




#56
Ethyl methacrylate
Concen: 1.850 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.13 min
Lab File: VX013045.D
Acq: 14 Oct 2019 12:36

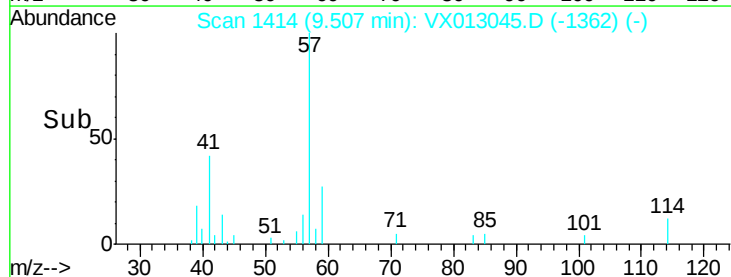
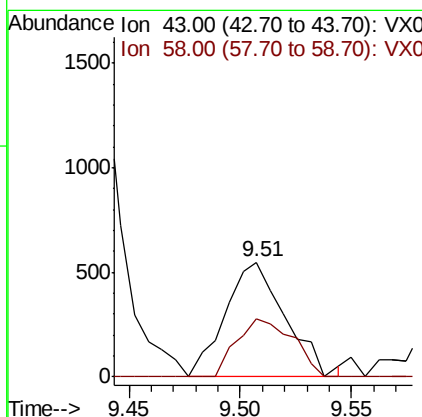
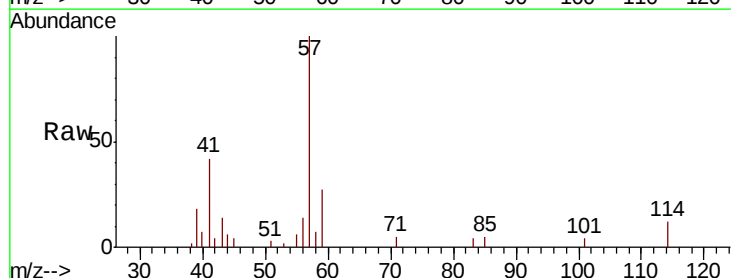
Instrument :
MSVOA_X
ClientSampled :
FA19-JBW7344

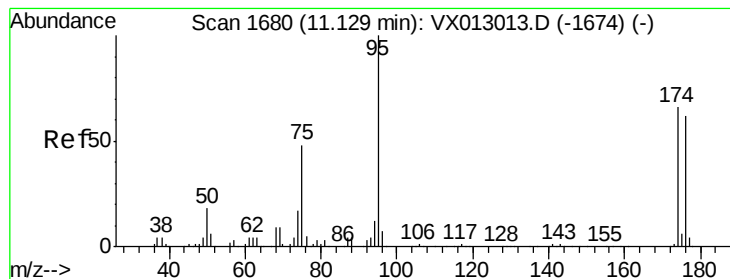
Tot Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 327.7 52.1 78.1#
39 164.6 27.8 41.8#



#59
2-Hexanone
Concen: 0.475 ug/l
RT: 9.51 min Scan# 1414
Delta R.T. 0.02 min
Lab File: VX013045.D
Acq: 14 Oct 2019 12:36

Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 46.7 28.1 84.3





#62

4-Bromofluorobenzene

Concen: 43.114 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampled :

FA19-JBW7344

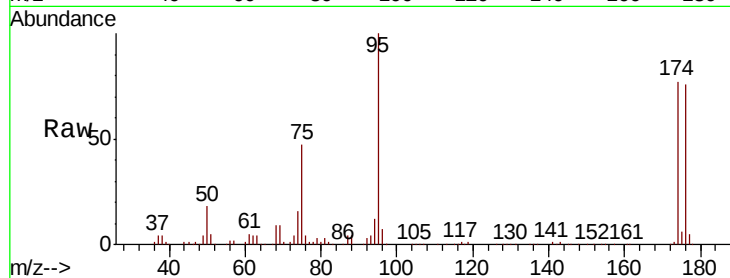
Tot Ion: 95 Resp: 106431

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.4

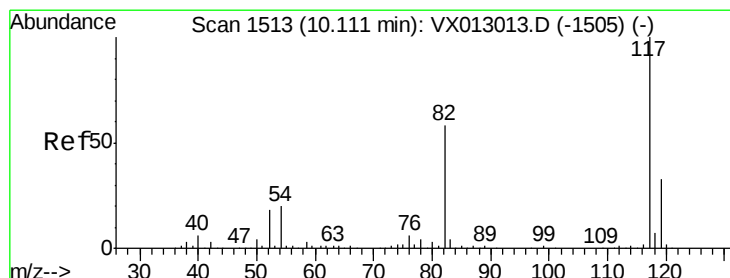
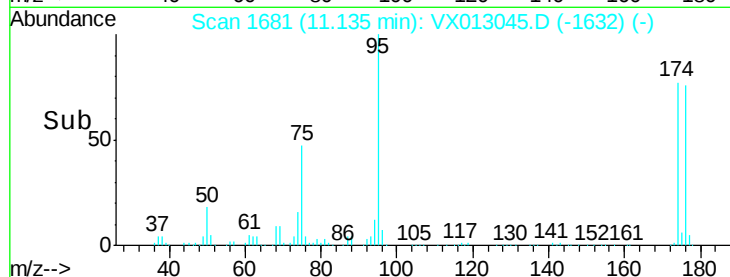
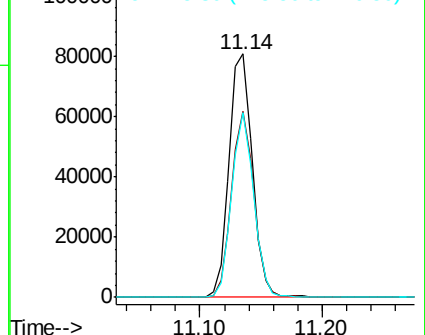
176 71.5 0.0 136.0



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: VX013045.D

Acq: 14 Oct 2019 12:36

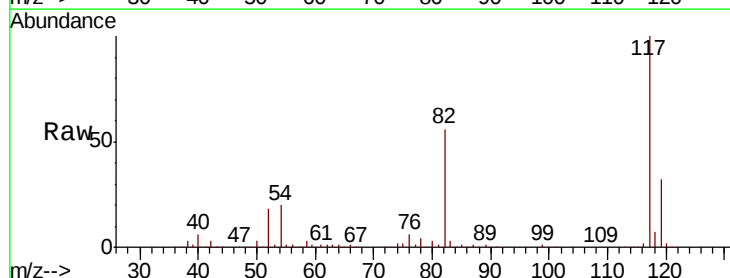
Tgt Ion: 117 Resp: 235112

Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

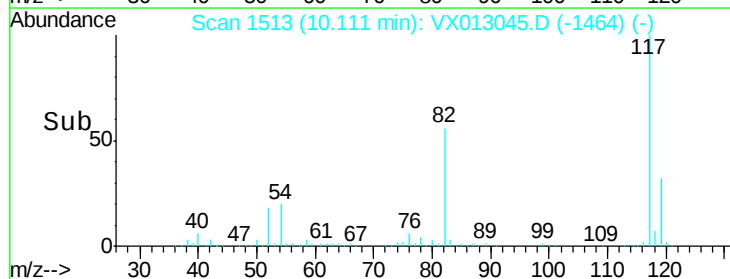
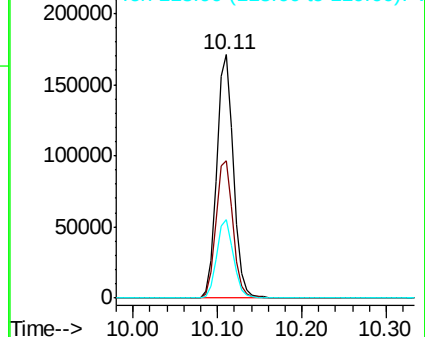
119 32.1 25.8 38.8

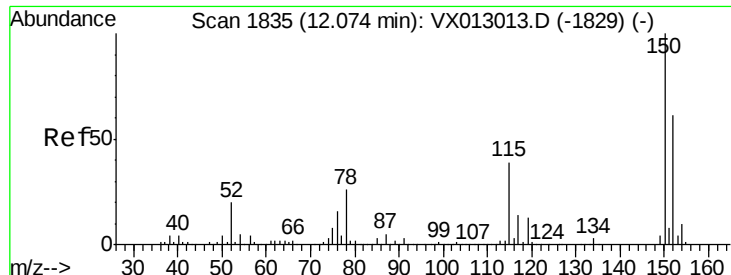


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampled :

FA19-JBW7344

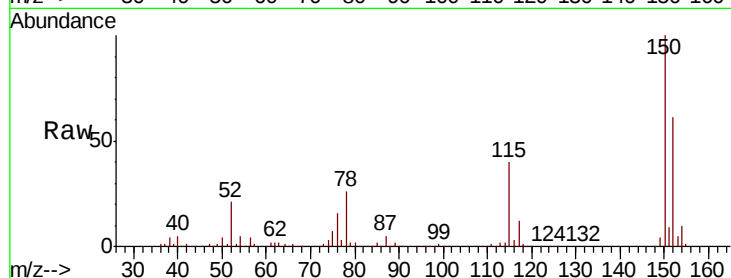
Tot Ion:152 Resp: 87503

Ion Ratio Lower Upper

152 100

115 64.4 44.5 133.5

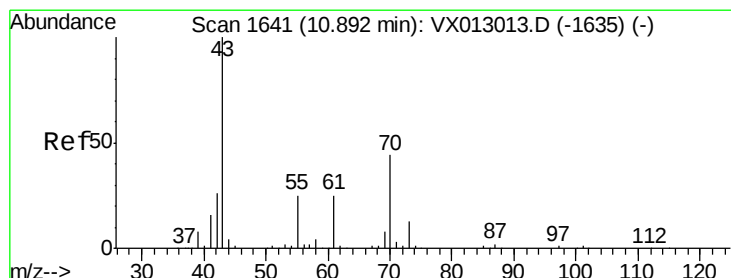
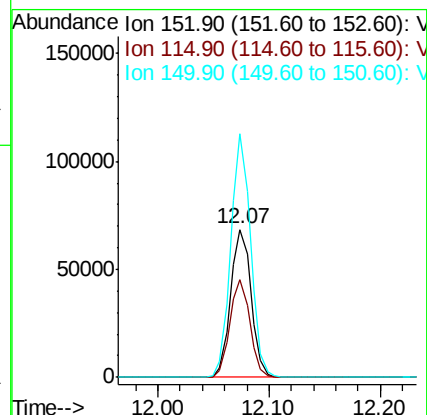
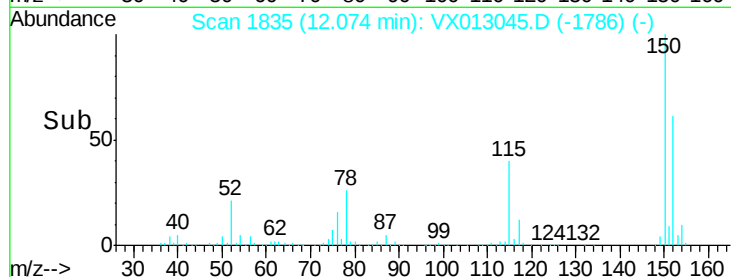
150 158.7 0.0 353.4



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



#74

N-ethyl acetate

Concen: 0.302 ug/l

RT: 10.95 min Scan# 1650

Delta R.T. 0.05 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Tgt Ion: 43 Resp: 836

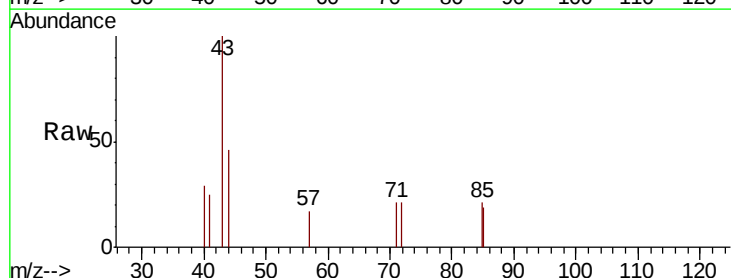
Ion Ratio Lower Upper

43 100

70 4.1 36.4 54.6#

55 5.1 20.2 30.2#

61 0.0 20.5 30.7#

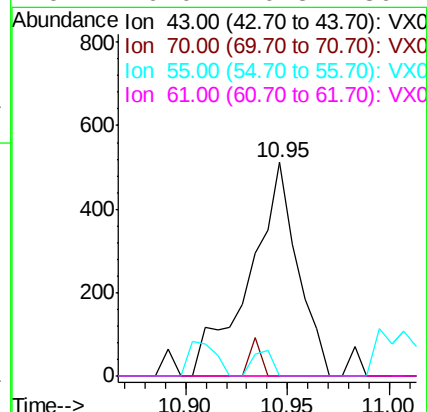
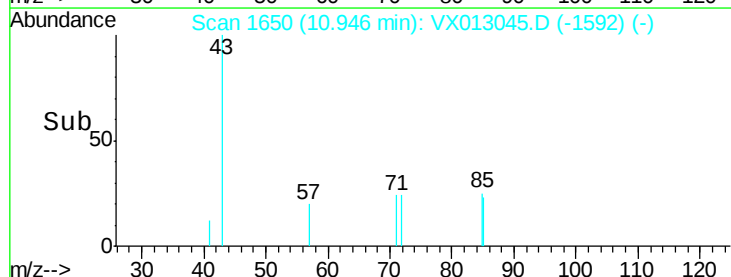


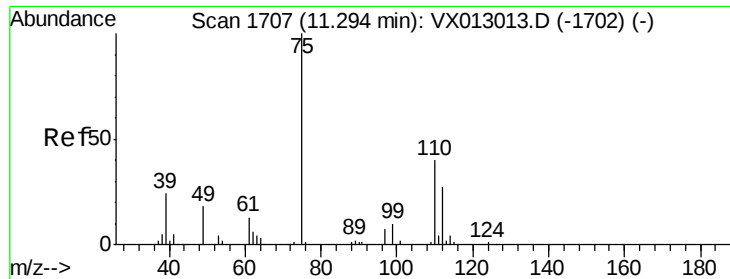
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

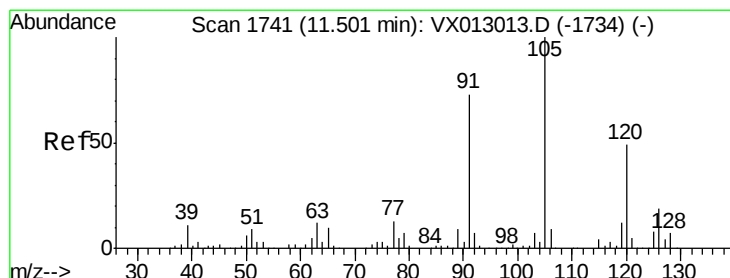
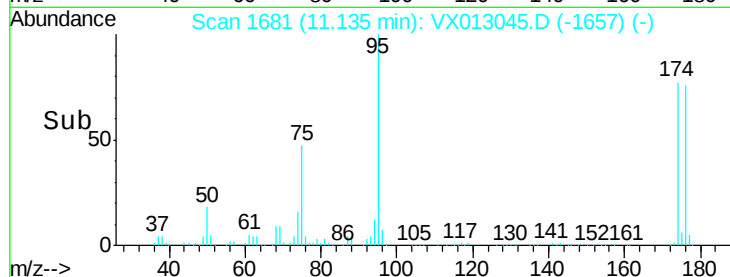
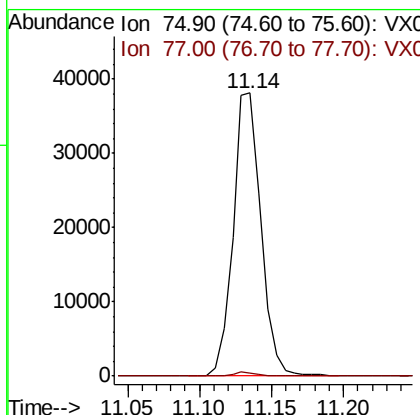
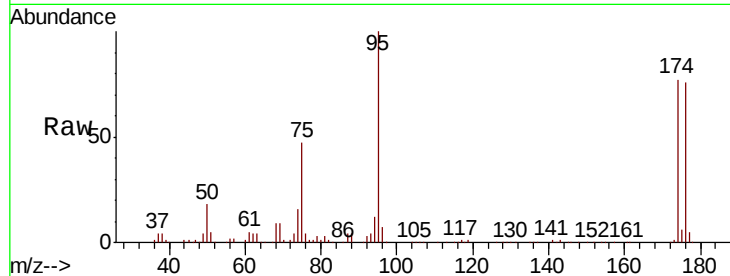




#76
 1,2,3-Trichloropropane
 Concen: 26.443 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.15 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

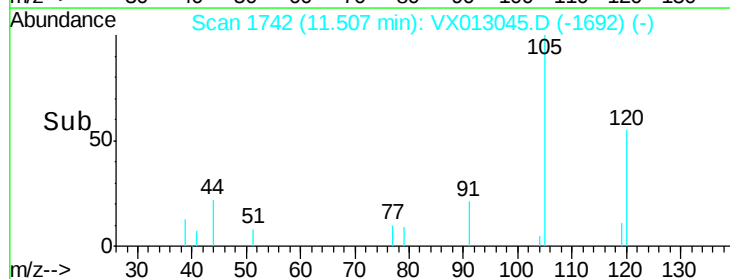
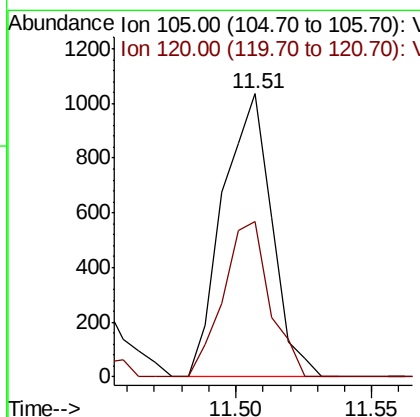
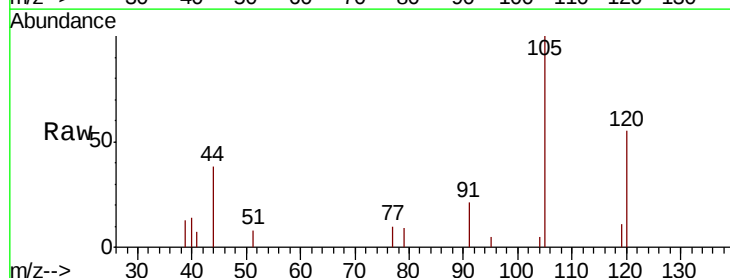
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7344

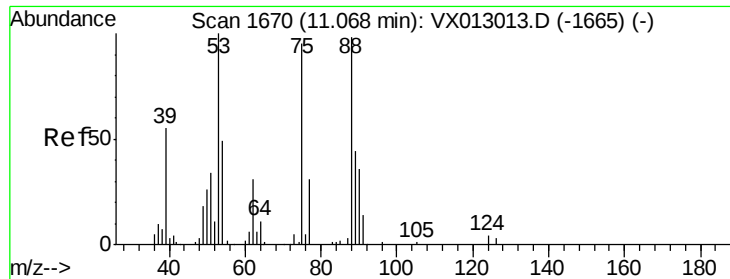
Tot Ion: 75 Resp: 51321
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.9 68.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.240 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX013045.D
 Acq: 14 Oct 2019 12:36

Tgt Ion: 105 Resp: 1290
 Ion Ratio Lower Upper
 105 100
 120 52.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 66.528 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7344

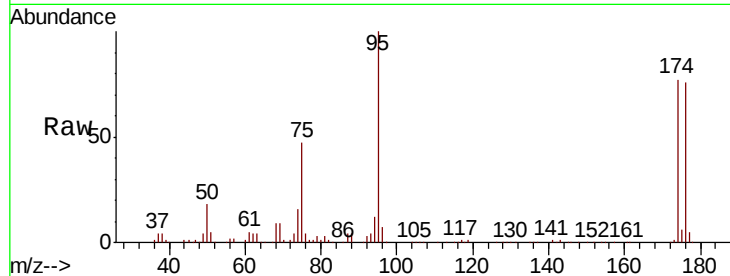
Tot Ion: 75 Resp: 51321

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

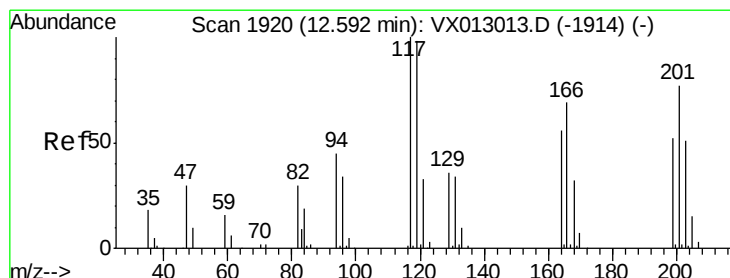
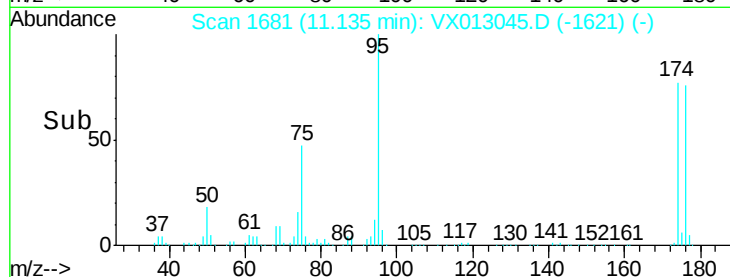
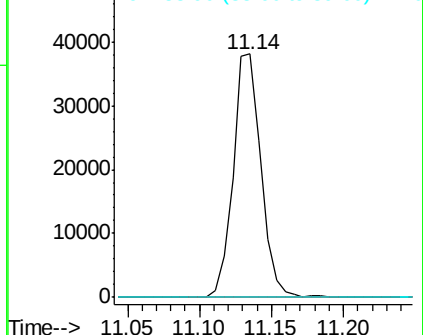
89 0.0 37.4 56.2#



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



#90

Hexachloroethane

Concen: 2.311 ug/l

RT: 12.67 min Scan# 1932

Delta R.T. 0.07 min

Lab File: VX013045.D

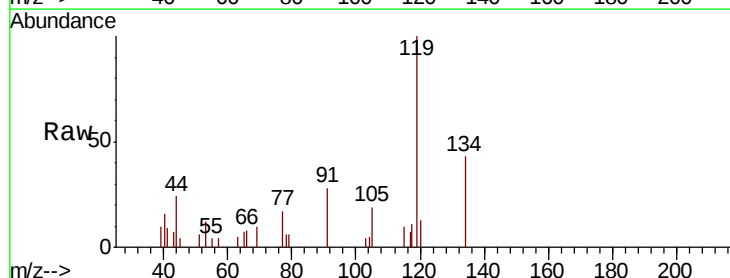
Acq: 14 Oct 2019 12:36

Tgt Ion: 117 Resp: 210

Ion Ratio Lower Upper

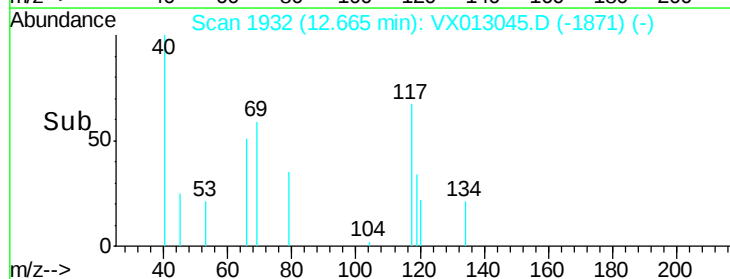
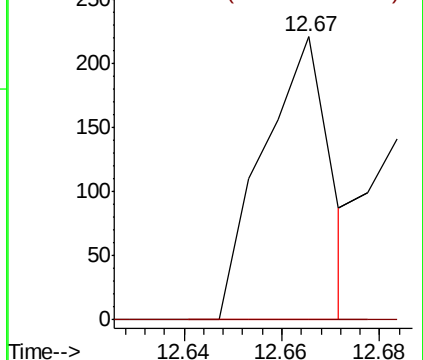
117 100

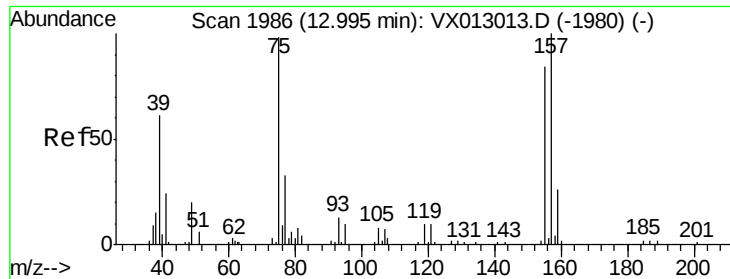
201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.237 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

Instrument :

MSVOA_X

ClientSampled :

FA19-JBW7344

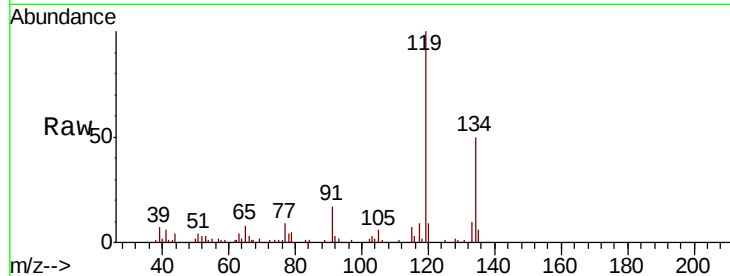
Tot Ion: 75 Resp: 119

Ion Ratio Lower Upper

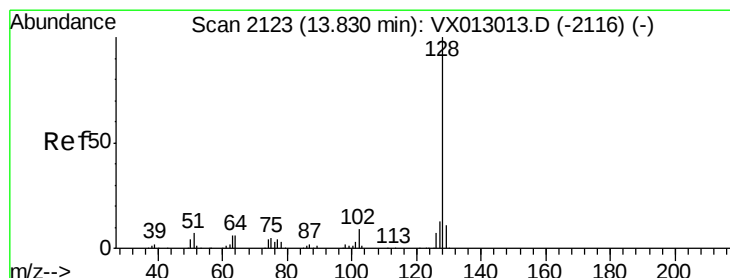
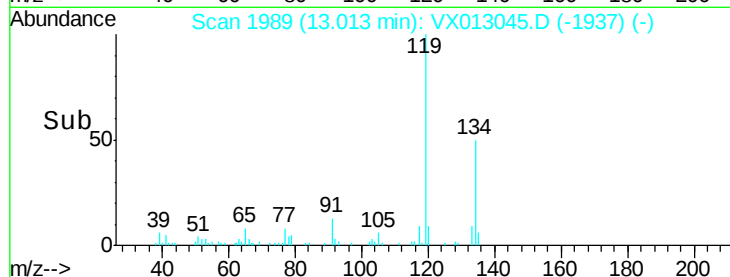
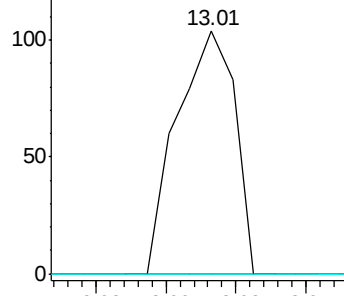
75 100

155 0.0 43.0 128.8#

157 0.0 54.1 162.3#



Abundance Ion 74.90 (74.60 to 75.60): VX013013.D (-1980) (-)



#95

Naphthalene

Concen: 0.429 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX013045.D

Acq: 14 Oct 2019 12:36

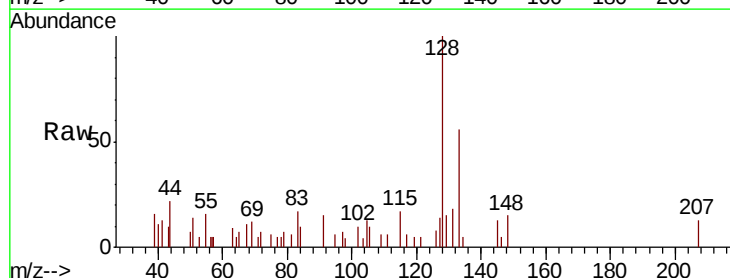
Tgt Ion: 128 Resp: 2570

Ion Ratio Lower Upper

128 100

127 25.1 10.2 15.4#

129 40.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VX013013.D (-2116) (-)

