

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013230.D
 Acq On : 25 Oct 2019 14:54
 Operator : JC/SP
 Sample : K5546-05RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-102419

Quant Time: Oct 25 23:04:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	70743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	107671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	104111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	62310	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	81817	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
35) Dibromofluoromethane	5.49	113	61874	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	8.71	98	220446	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	76924	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

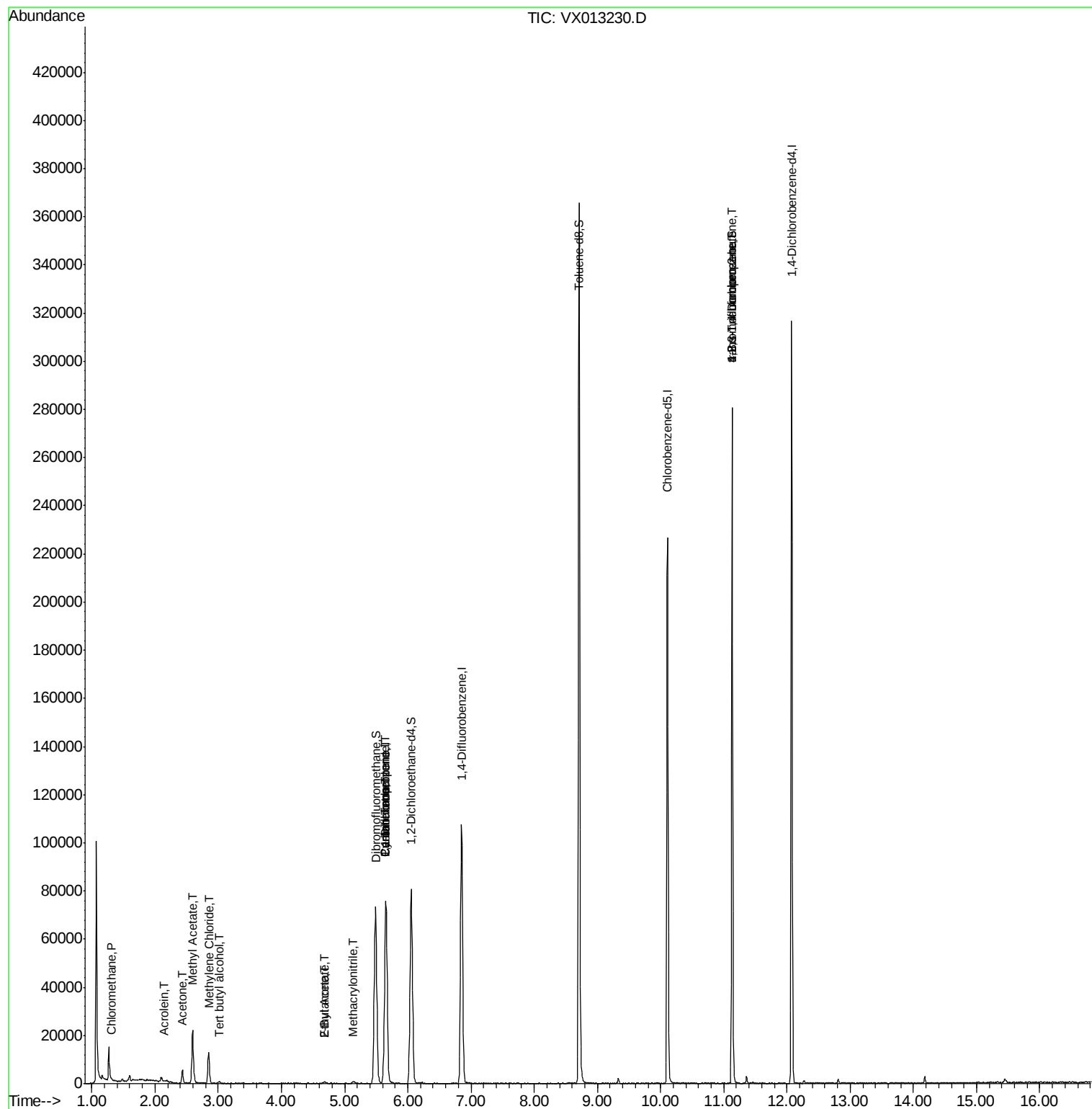
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	84	1.047	ug/l	96
6) Chloroethane	1.73	64	526	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	608	0.835	ug/l #	72
13) Acrolein	2.15	56	44	0.253	ug/l #	13
16) Acetone	2.44	43	5229	7.501	ug/l	90
18) Methyl Acetate	2.59	43	6444	5.120	ug/l #	49
20) Methylene Chloride	2.84	84	6323	5.111	ug/l	94
25) 2-Butanone	4.68	43	465	0.497	ug/l #	45
31) Cyclohexane	5.65	56	1377	0.720	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	5548	3.006	ug/l #	50
37) Ethyl Acetate	4.68	43	465	0.259	ug/l #	65
38) Carbon Tetrachloride	5.65	117	7868	3.953	ug/l #	13
41) Methacrylonitrile	5.14	41	230	0.239	ug/l #	41
64) Tetrachloroethene	9.34	164	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	40441	26.929	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	40441	73.999	ug/l #	10

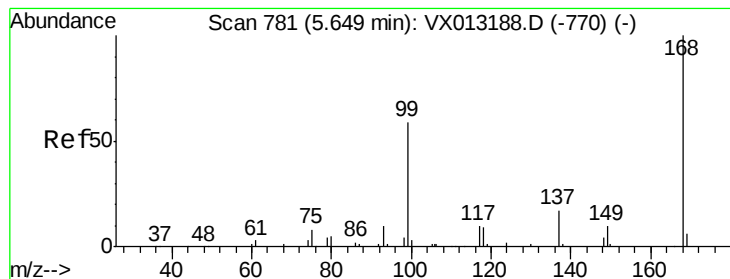
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

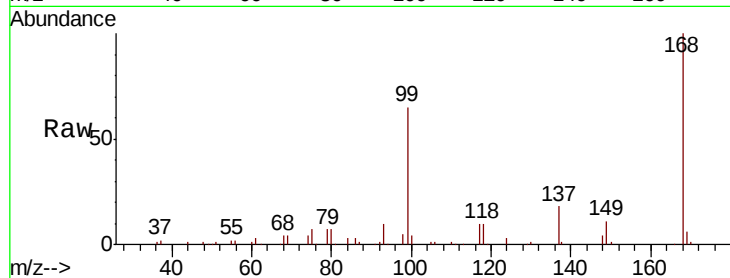
EB-01-102419

Tot Ion:168 Resp: 70743

Ion Ratio Lower Upper

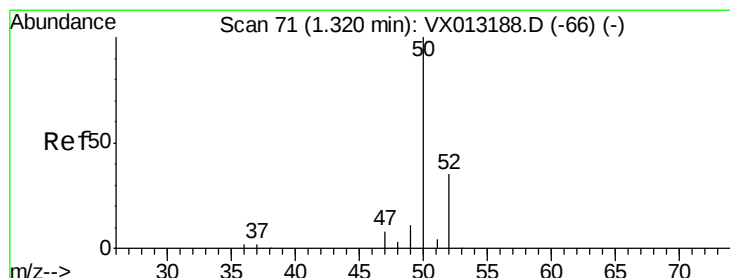
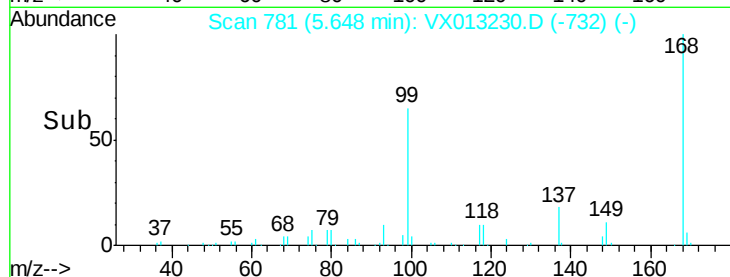
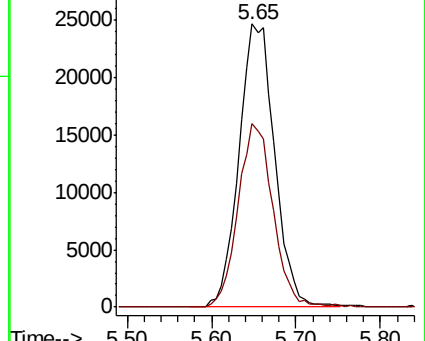
168 100

99 64.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.047 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013230.D

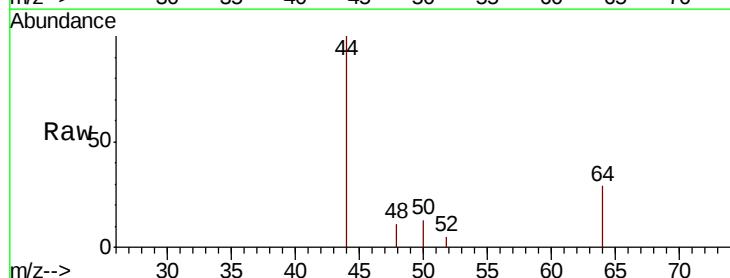
Acq: 25 Oct 2019 14:54

Tgt Ion: 50 Resp: 84

Ion Ratio Lower Upper

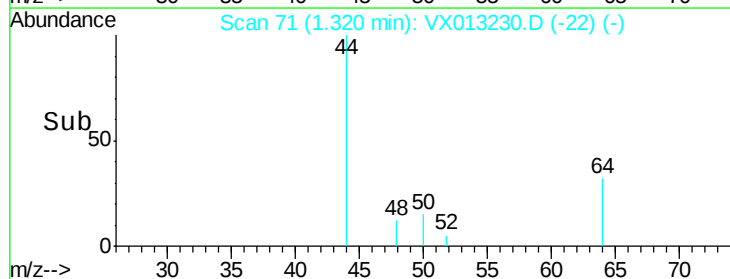
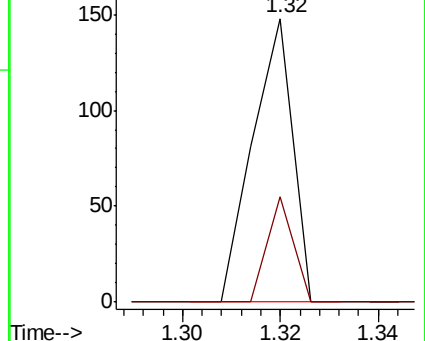
50 100

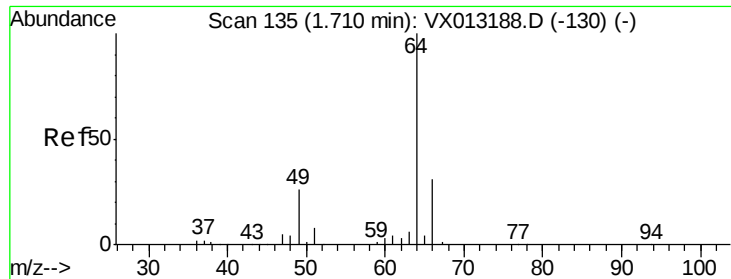
52 37.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

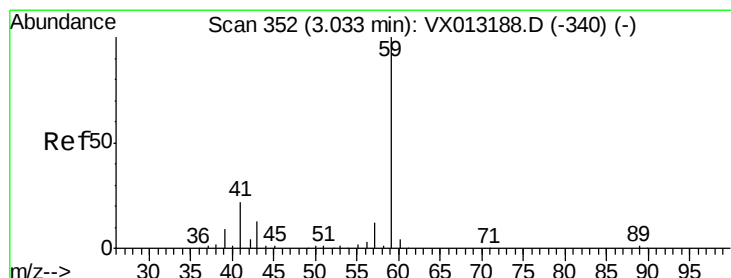
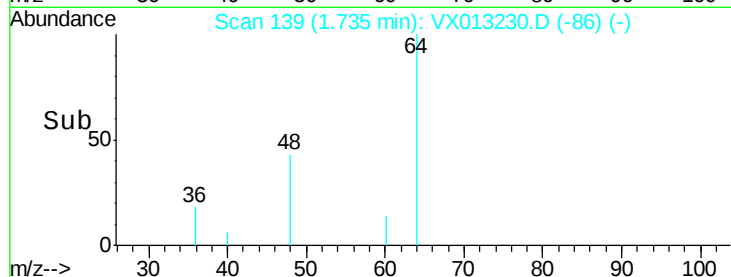
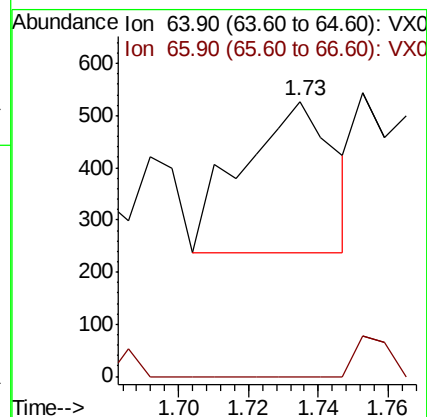
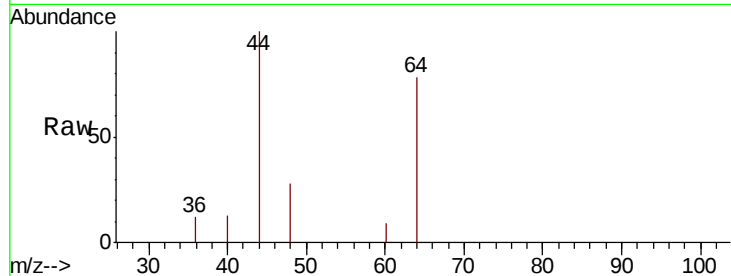
EB-01-102419

Tot Ion: 64 Resp: 526

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#11

Tert butyl alcohol

Concen: 0.835 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013230.D

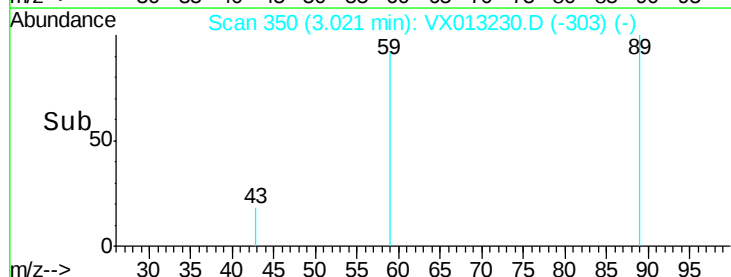
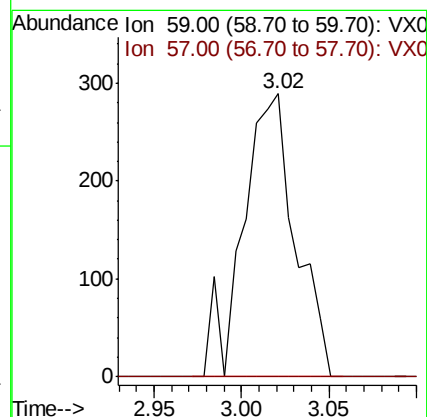
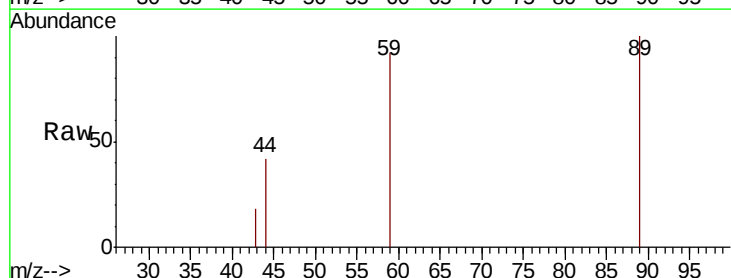
Acq: 25 Oct 2019 14:54

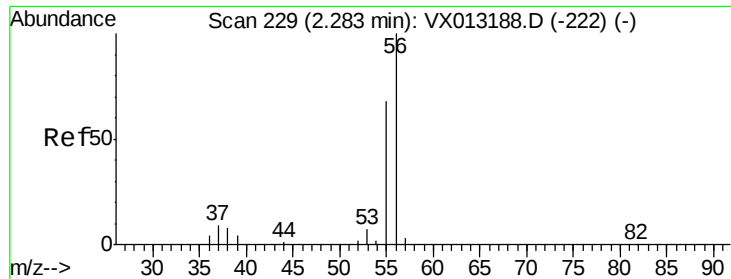
Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.253 ug/l

RT: 2.15 min Scan# 207

Delta R.T. -0.13 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

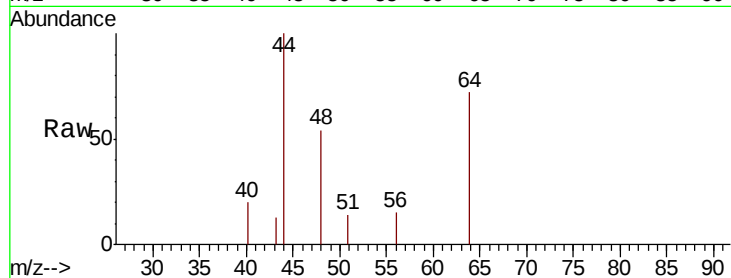
EB-01-102419

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

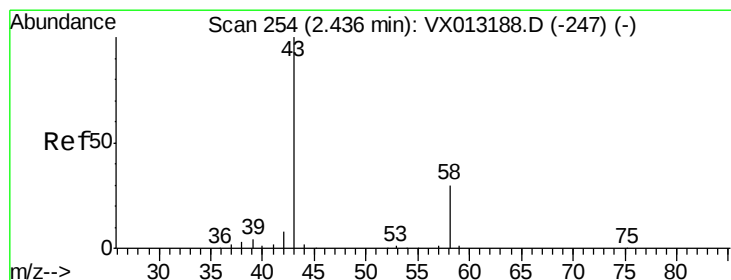
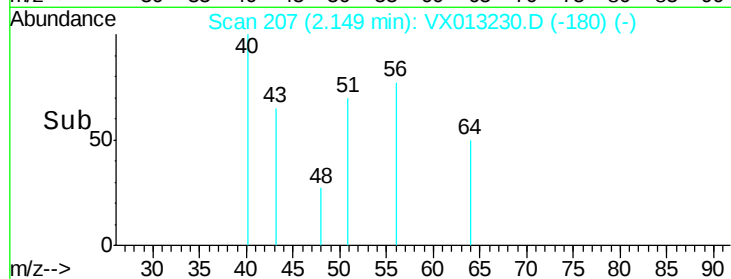
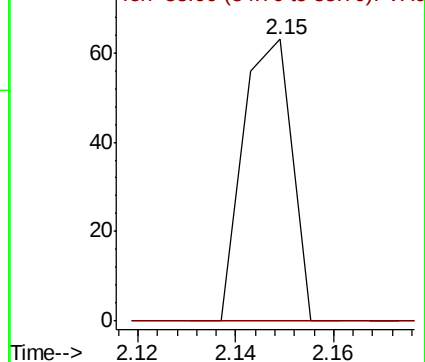
56 100

55 0.0 58.9 88.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 7.501 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013230.D

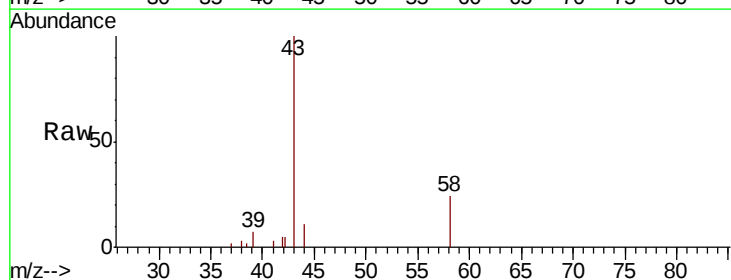
Acq: 25 Oct 2019 14:54

Tgt Ion: 43 Resp: 5229

Ion Ratio Lower Upper

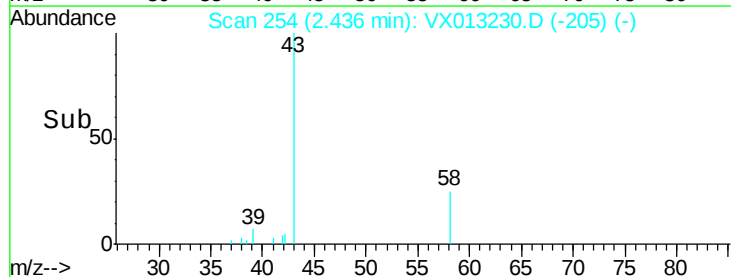
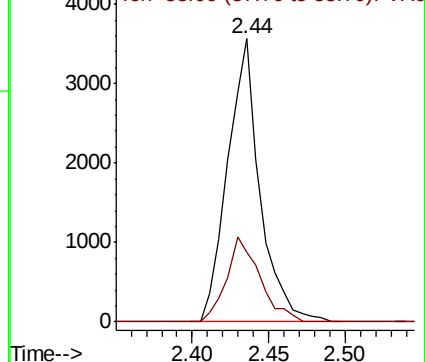
43 100

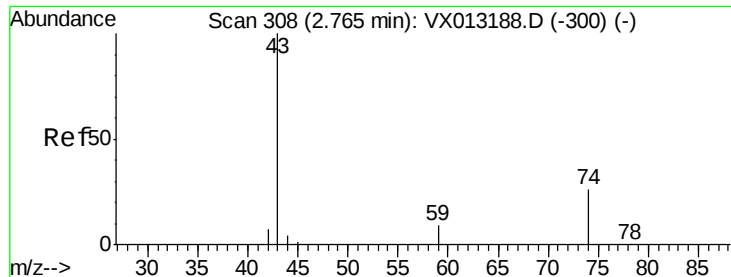
58 24.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

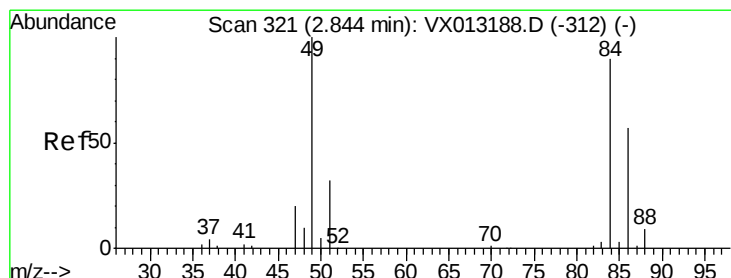
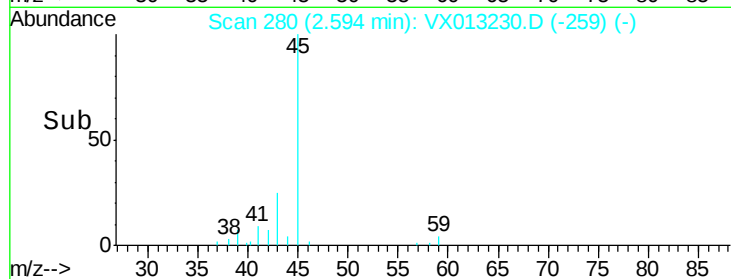
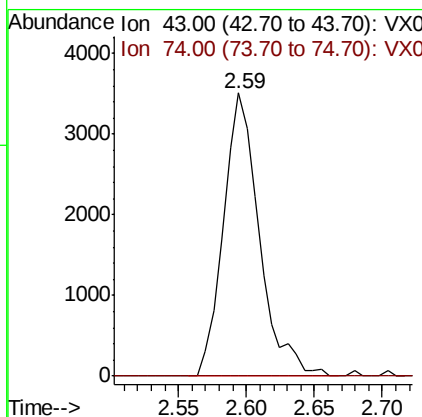
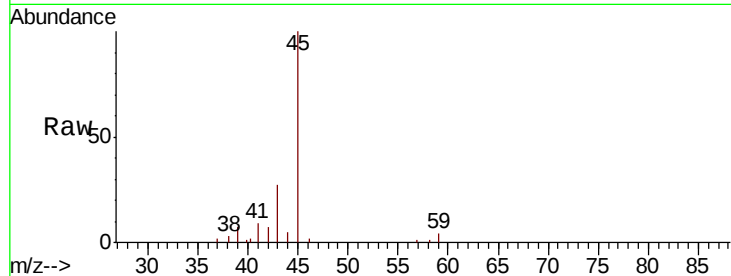




#18
Methvl Acetate
Concen: 5.120 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013230.D
Acq: 25 Oct 2019 14:54

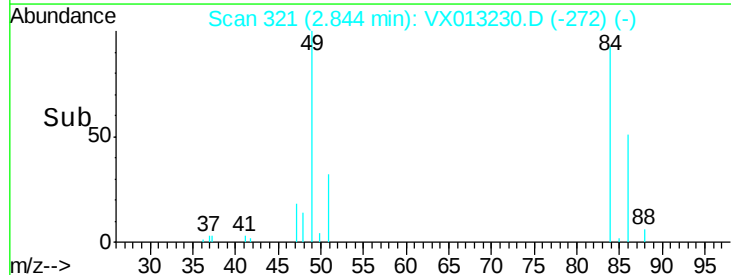
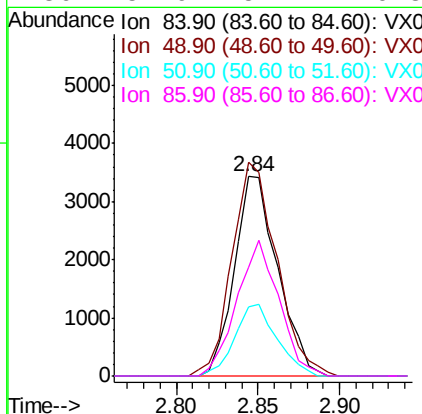
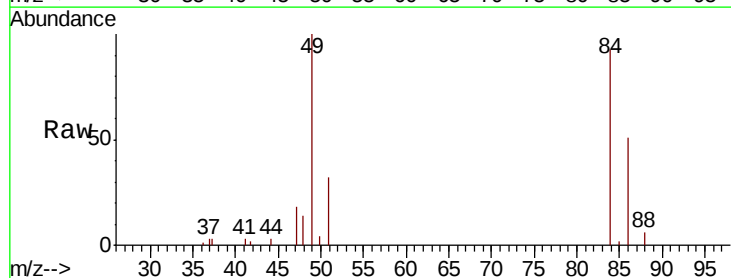
Instrument :
MSVOA_X
ClientSampleId :
EB-01-102419

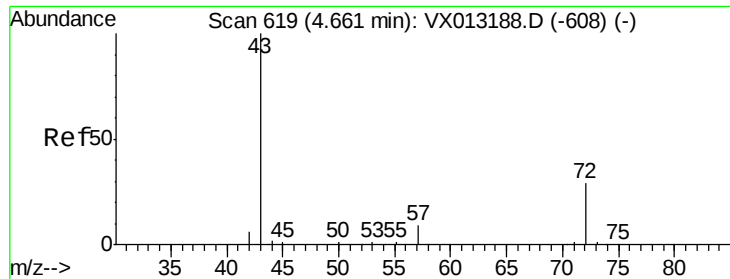
Tot Ion: 43 Resp: 6444
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 5.111 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013230.D
Acq: 25 Oct 2019 14:54

Tgt Ion: 84 Resp: 6323
Ion Ratio Lower Upper
84 100
49 107.1 89.2 133.8
51 34.5 28.8 43.2
86 54.9 51.2 76.8





#25

2-Butanone

Concen: 0.497 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampled :

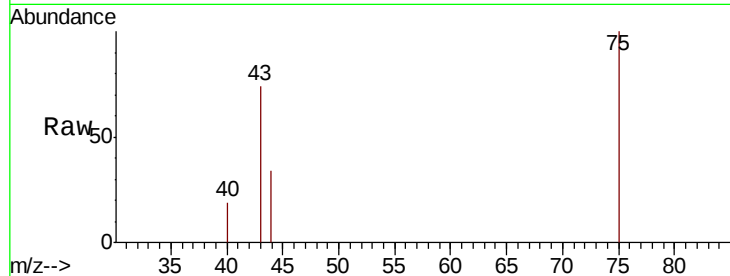
EB-01-102419

Tot Ion: 43 Resp: 465

Ion Ratio Lower Upper

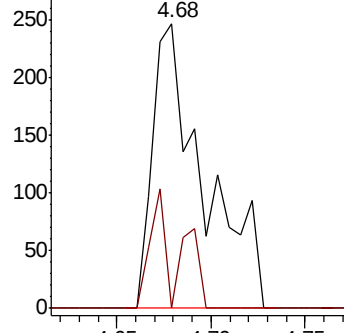
43 100

72 0.0 23.4 35.2#

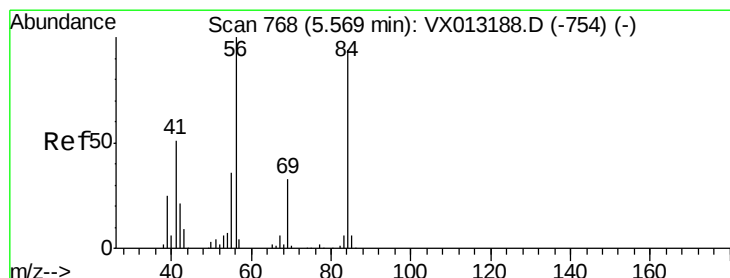
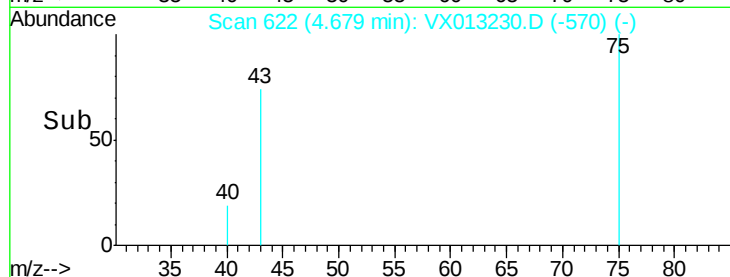


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.720 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

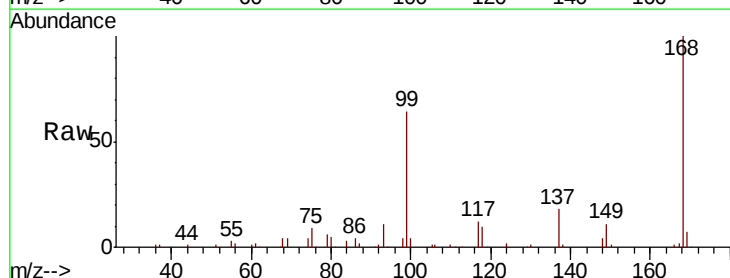
Tgt Ion: 56 Resp: 1377

Ion Ratio Lower Upper

56 100

69 189.3 26.3 39.5#

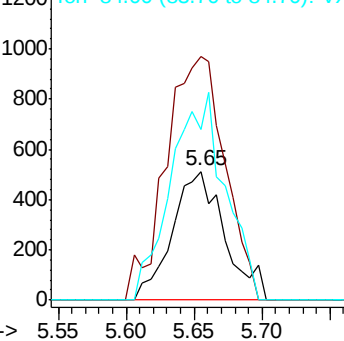
84 132.8 73.8 110.6#



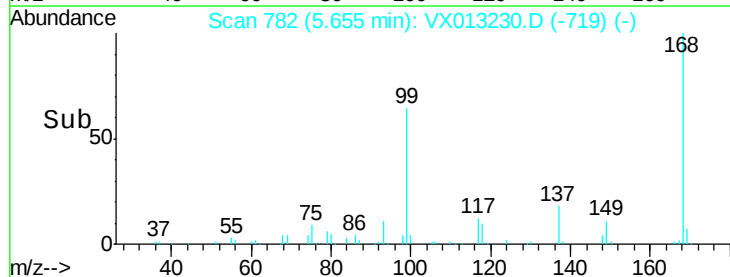
Abundance Ion 56.00 (55.70 to 56.70): VX0

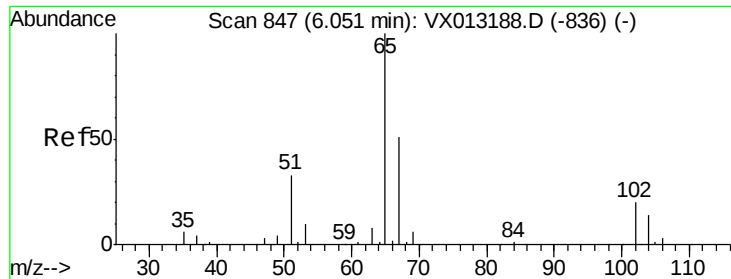
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

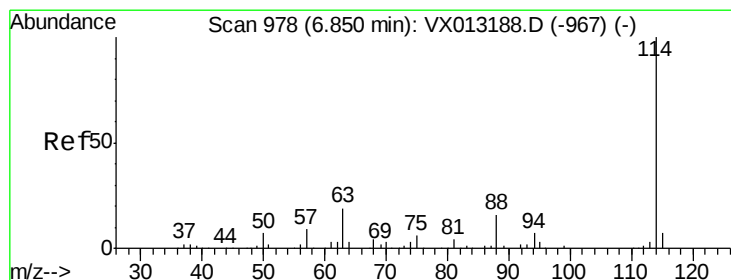
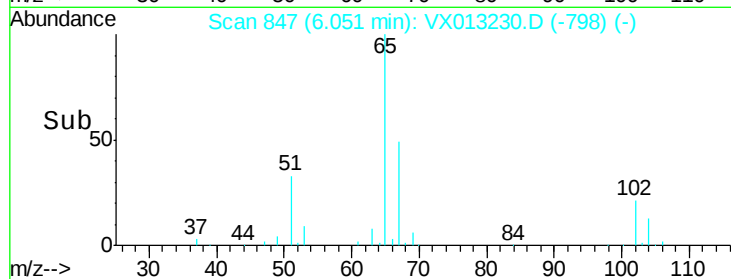
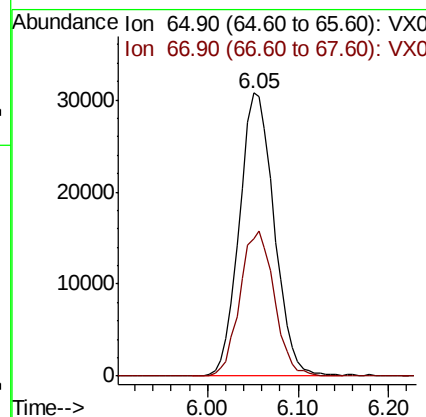
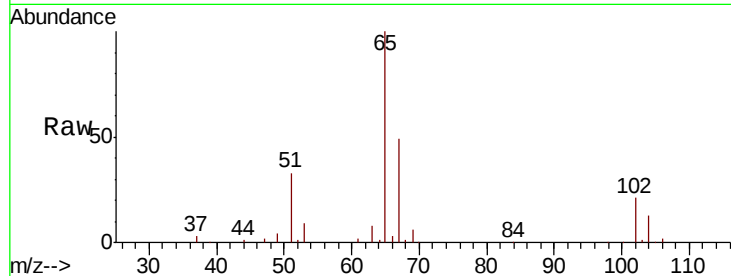




#33
 1,2-Dichloroethane-d4
 Concen: 55.296 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013230.D
 Acq: 25 Oct 2019 14:54

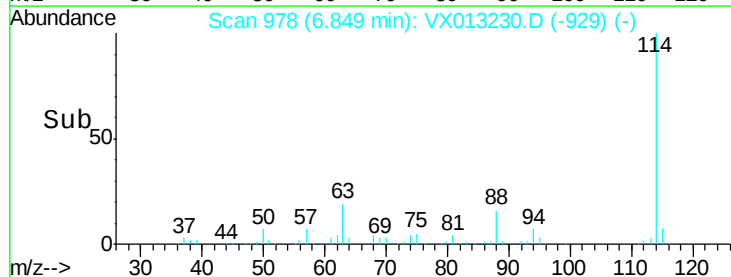
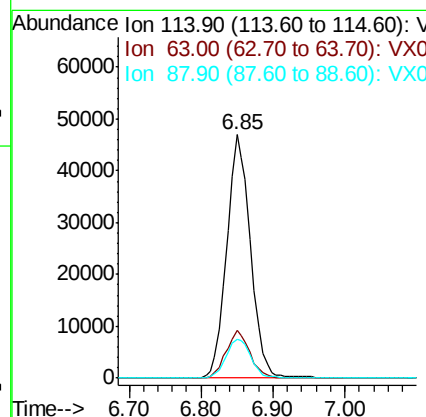
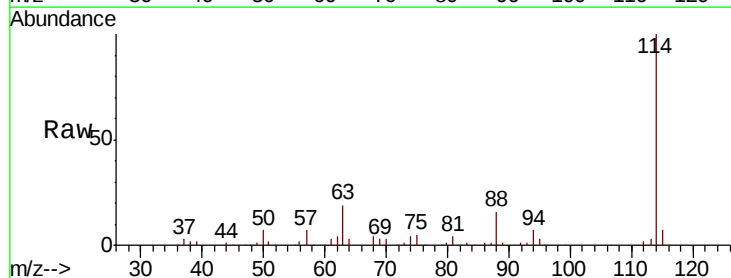
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-102419

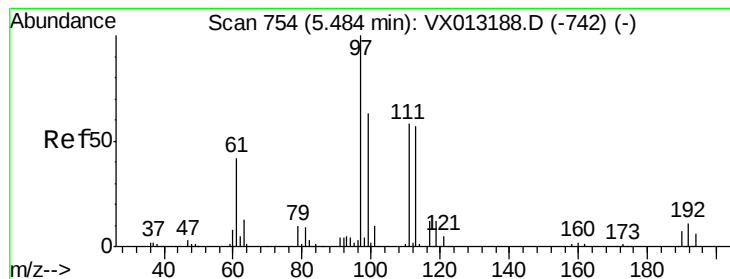
Tot Ion: 65 Resp: 81817
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013230.D
 Acq: 25 Oct 2019 14:54

Tgt Ion: 114 Resp: 107671
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.532 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

EB-01-102419

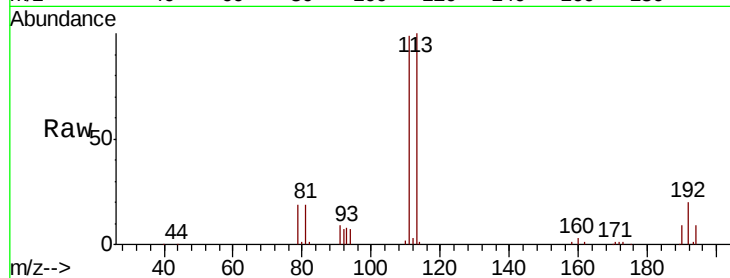
Tot Ion:113 Resp: 61874

Ion Ratio Lower Upper

113 100

111 102.2 80.3 120.5

192 21.1 15.9 23.9

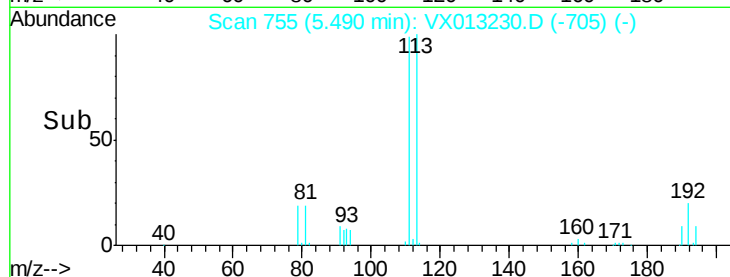


Abundance Ion 112.80 (112.50 to 113.50): V

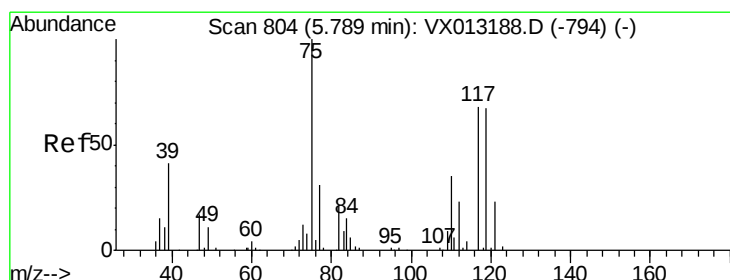
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 3.006 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

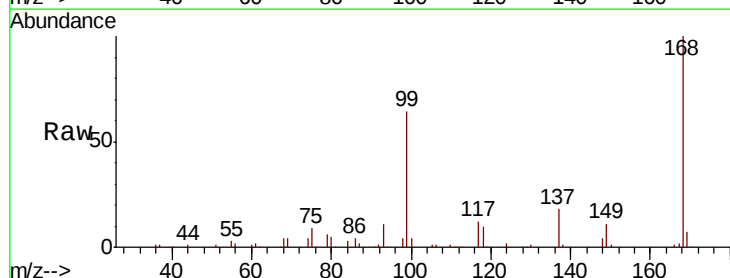
Tgt Ion: 75 Resp: 5548

Ion Ratio Lower Upper

75 100

110 9.7 17.6 52.9#

77 0.0 24.7 37.1#

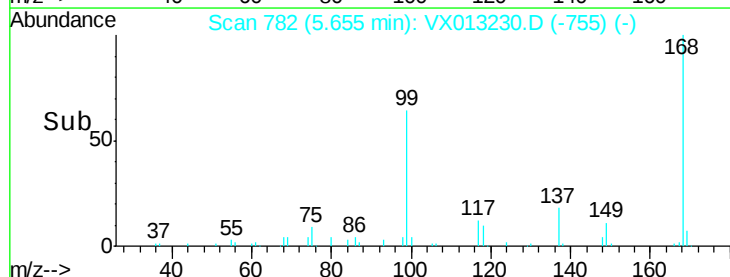


Abundance Ion 74.90 (74.60 to 75.60): VX0

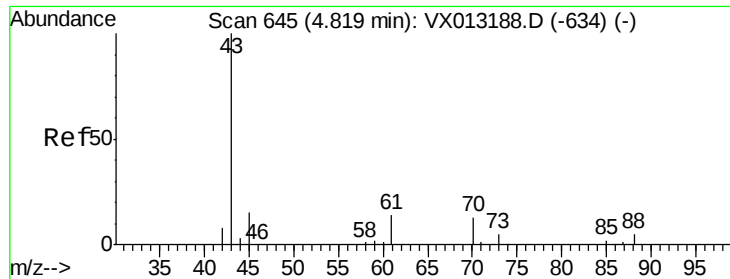
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

Time-->



Time-->



#37

Ethyl Acetate

Concen: 0.259 ug/l

RT: 4.68 min Scan# 622

Delta R.T. -0.14 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

EB-01-102419

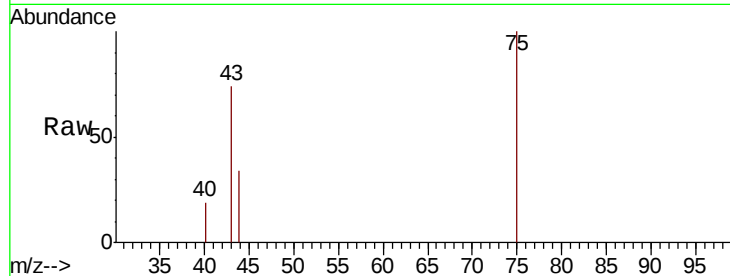
Tot Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

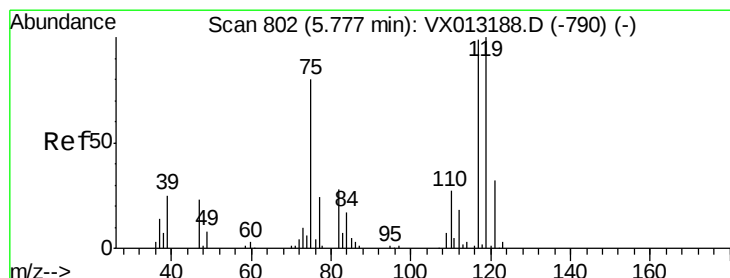
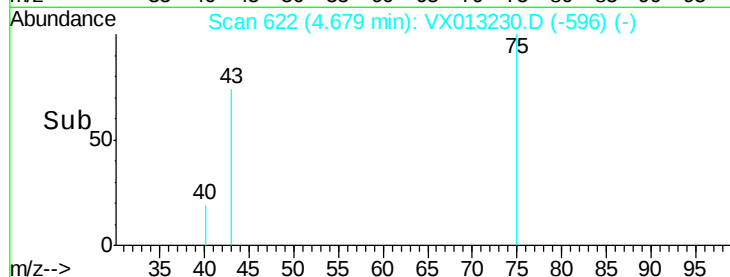
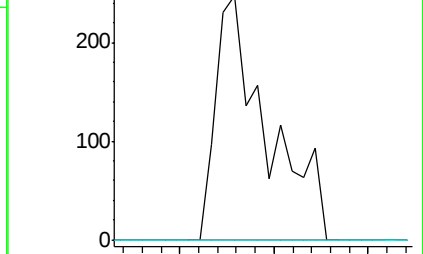
70 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 3.953 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

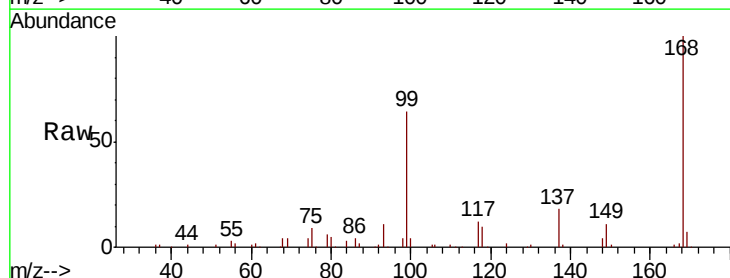
Tgt Ion: 117 Resp: 7868

Ion Ratio Lower Upper

117 100

119 3.7 80.1 120.1#

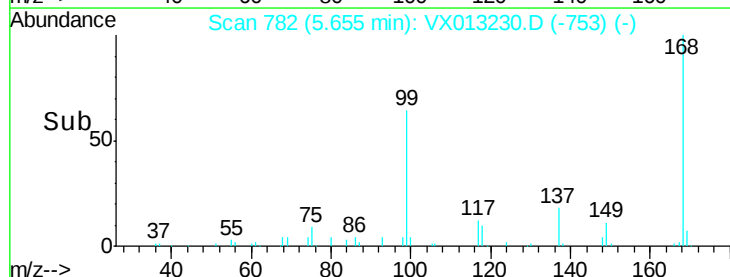
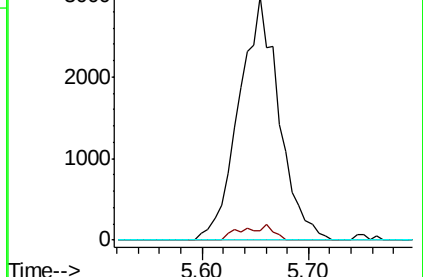
121 0.0 25.5 38.3#

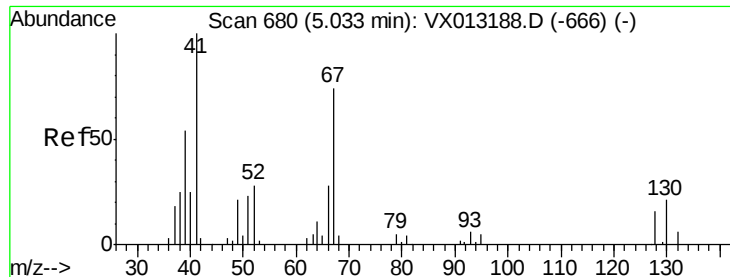


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.239 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.10 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampled :

EB-01-102419

Tot Ion: 41 Resp: 230

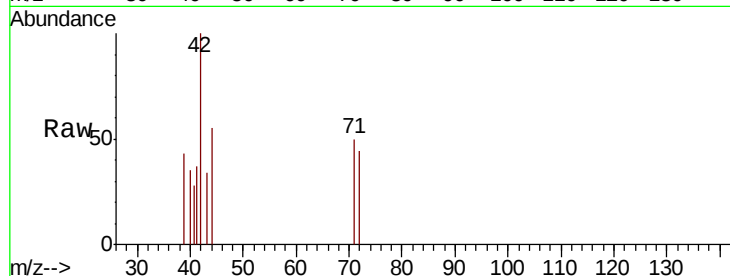
Ion Ratio Lower Upper

41 100

39 43.0 45.2 67.8#

67 0.0 61.3 91.9#

52 0.0 25.1 37.7#

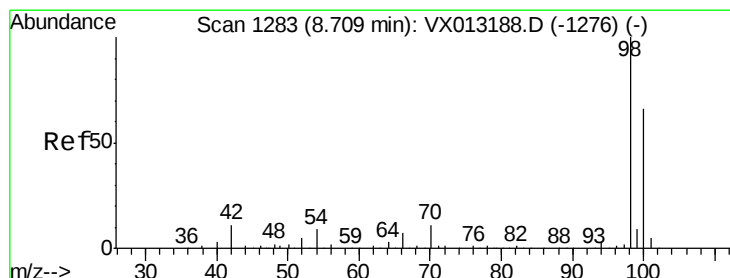
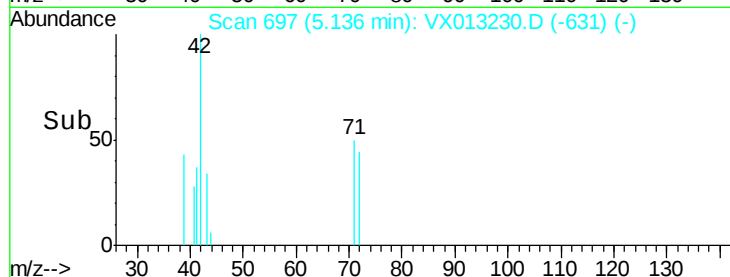
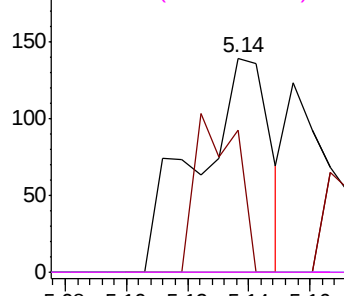


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#50

Toluene-d8

Concen: 49.543 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013230.D

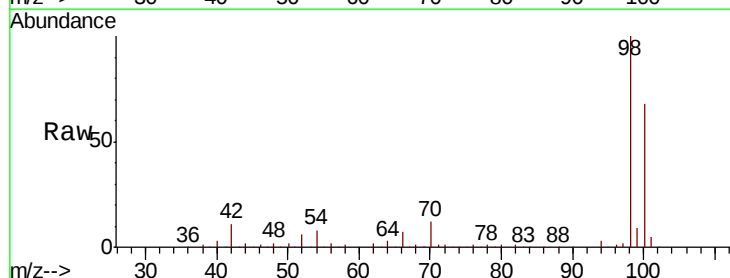
Acq: 25 Oct 2019 14:54

Tgt Ion: 98 Resp: 220446

Ion Ratio Lower Upper

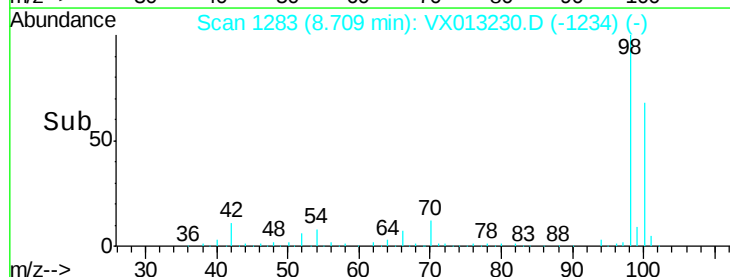
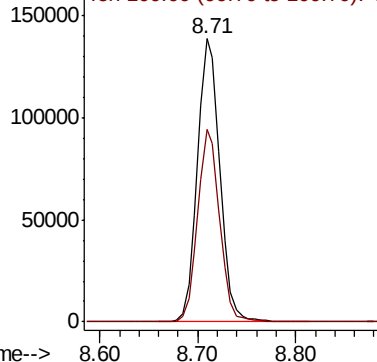
98 100

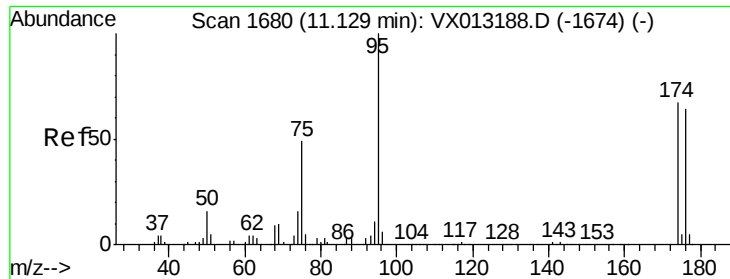
100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

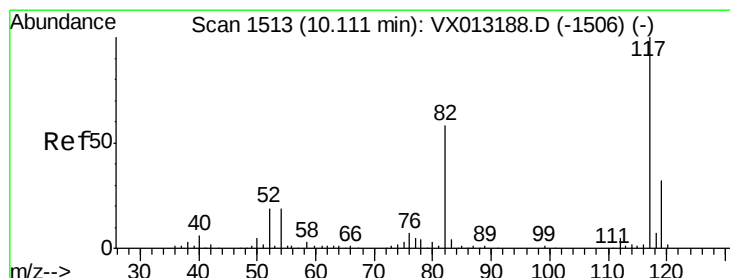
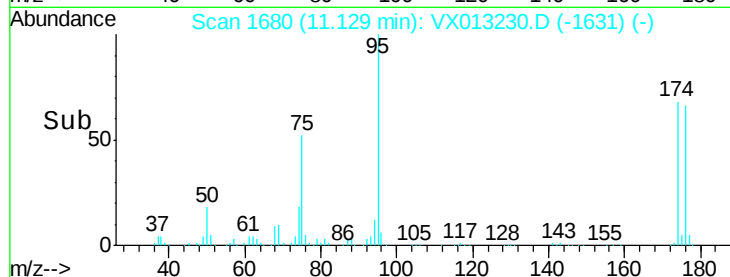
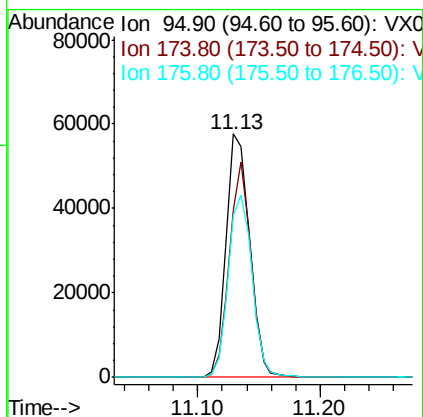
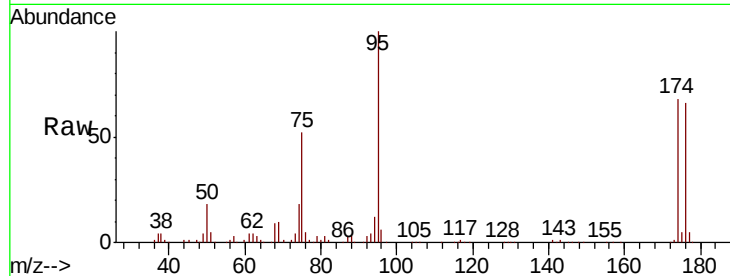




#62
4-Bromofluorobenzene
Concen: 43.678 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013230.D
Acq: 25 Oct 2019 14:54

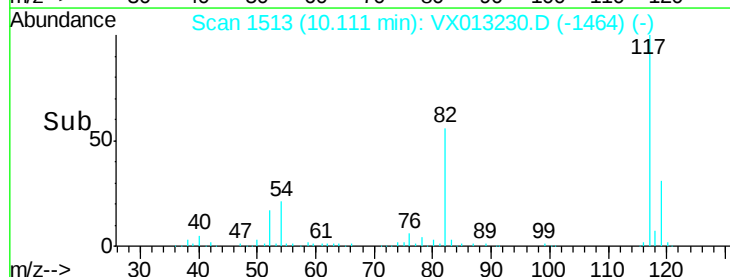
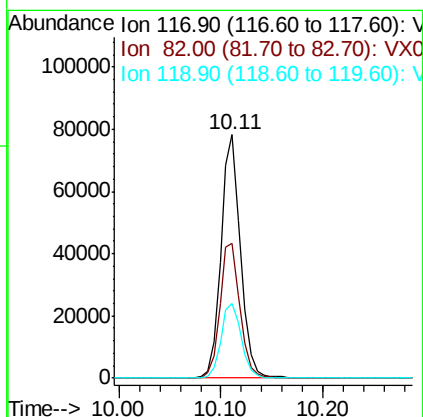
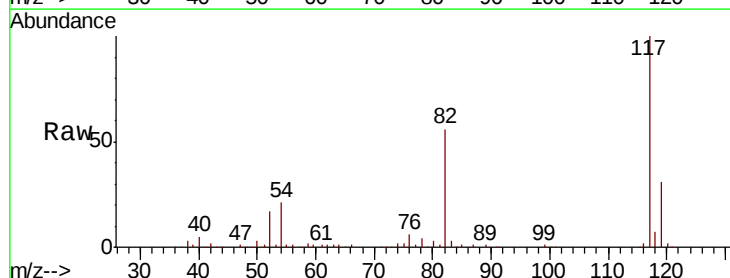
Instrument :
MSVOA_X
ClientSampleId :
EB-01-102419

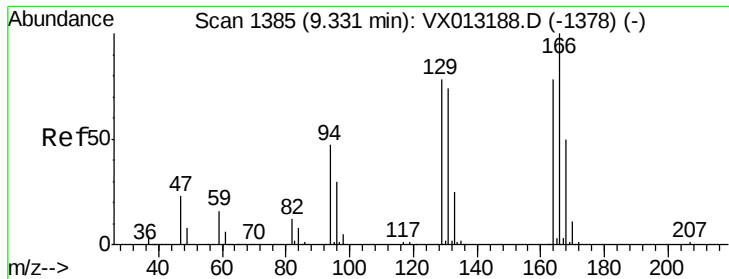
Tot Ion: 95 Resp: 76924
Ion Ratio Lower Upper
95 100
174 81.8 0.0 152.4
176 75.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013230.D
Acq: 25 Oct 2019 14:54

Tgt Ion: 117 Resp: 104111
Ion Ratio Lower Upper
117 100
82 55.5 46.5 69.7
119 30.9 25.2 37.8





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

EB-01-102419

Tot Ion:164 Resp: 67

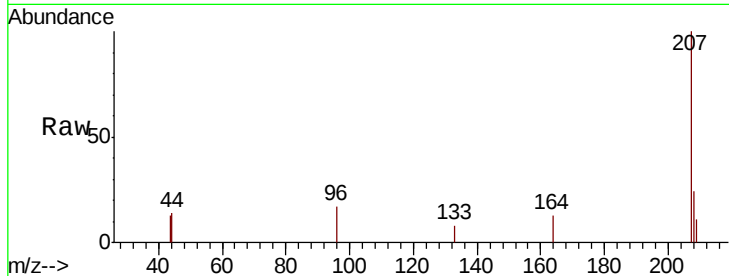
Ion Ratio Lower Upper

164 100

166 0.0 102.2 153.4#

129 0.0 79.8 119.8#

131 0.0 75.3 112.9#

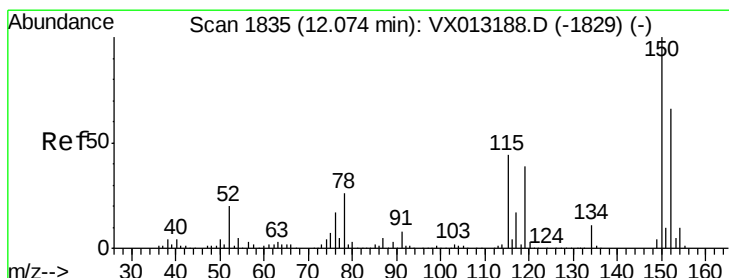
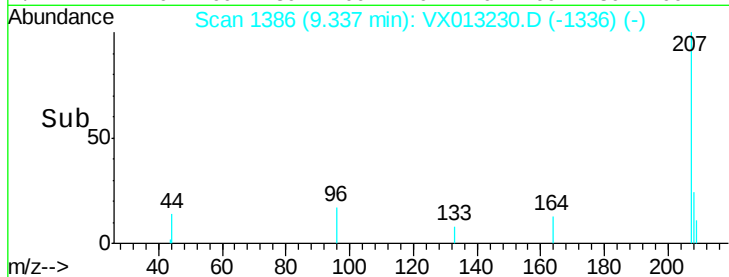
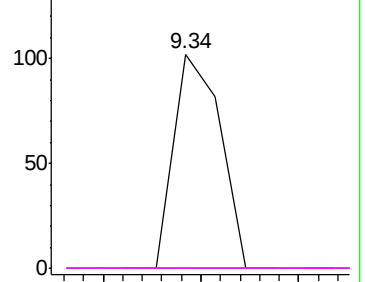


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013230.D

Acq: 25 Oct 2019 14:54

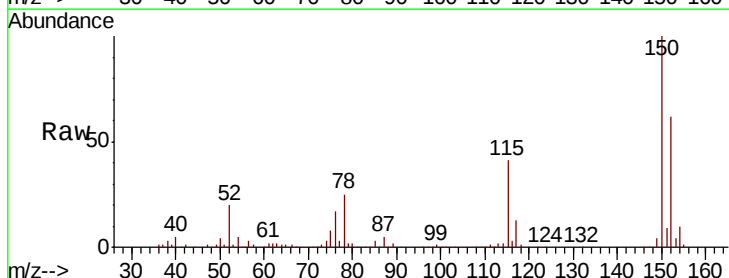
Tgt Ion:152 Resp: 62310

Ion Ratio Lower Upper

152 100

115 65.6 46.6 139.8

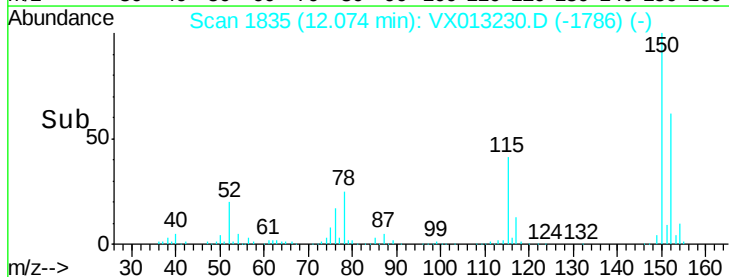
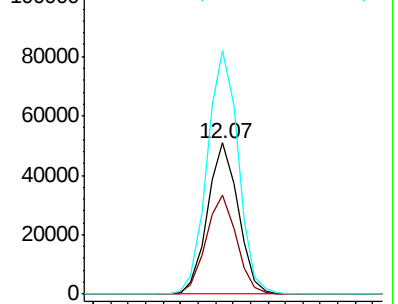
150 162.6 0.0 354.0

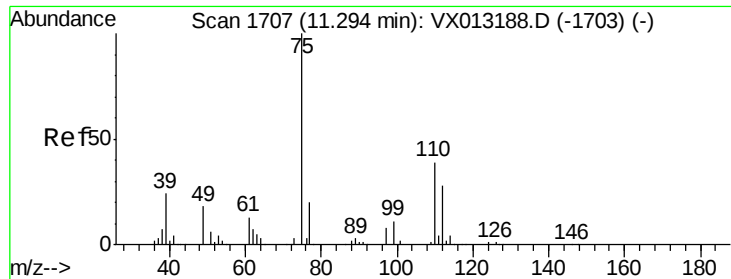


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.929 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

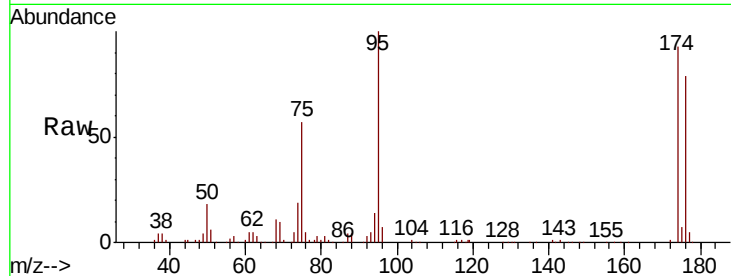
EB-01-102419

Tot Ion: 75 Resp: 40441

Ion Ratio Lower Upper

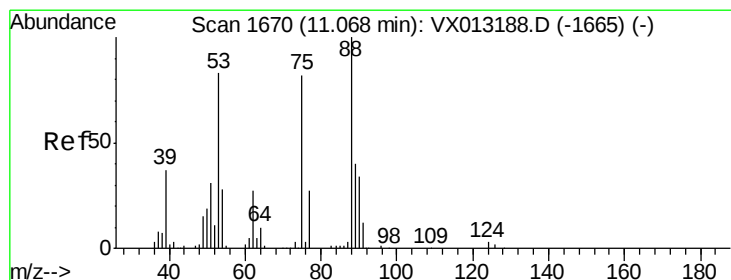
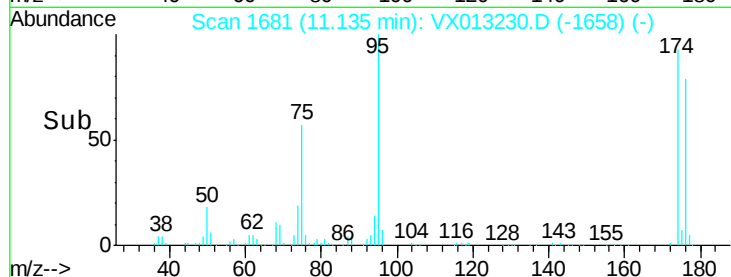
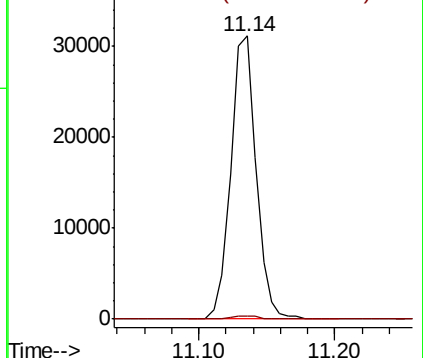
75 100

77 1.4 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: 73.999 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013230.D

Acq: 25 Oct 2019 14:54

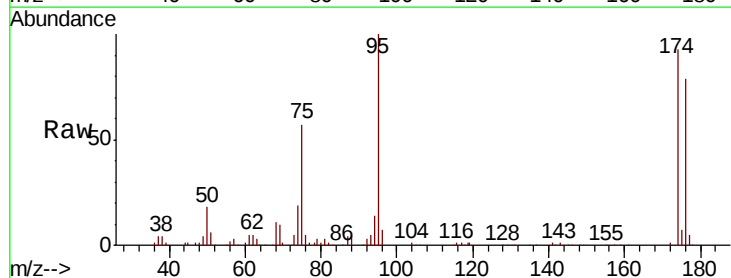
Tgt Ion: 75 Resp: 40441

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

