

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013055.D
 Acq On : 14 Oct 2019 16:29
 Operator : JC/SP
 Sample : K5336-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:27:17 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	172085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86416	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	106858	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	5.49	113	83606	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	8.71	98	325362	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.14	95	101974	41.38	ug/l	0.00
Spiked Amount			Recovery	=	82.76%	

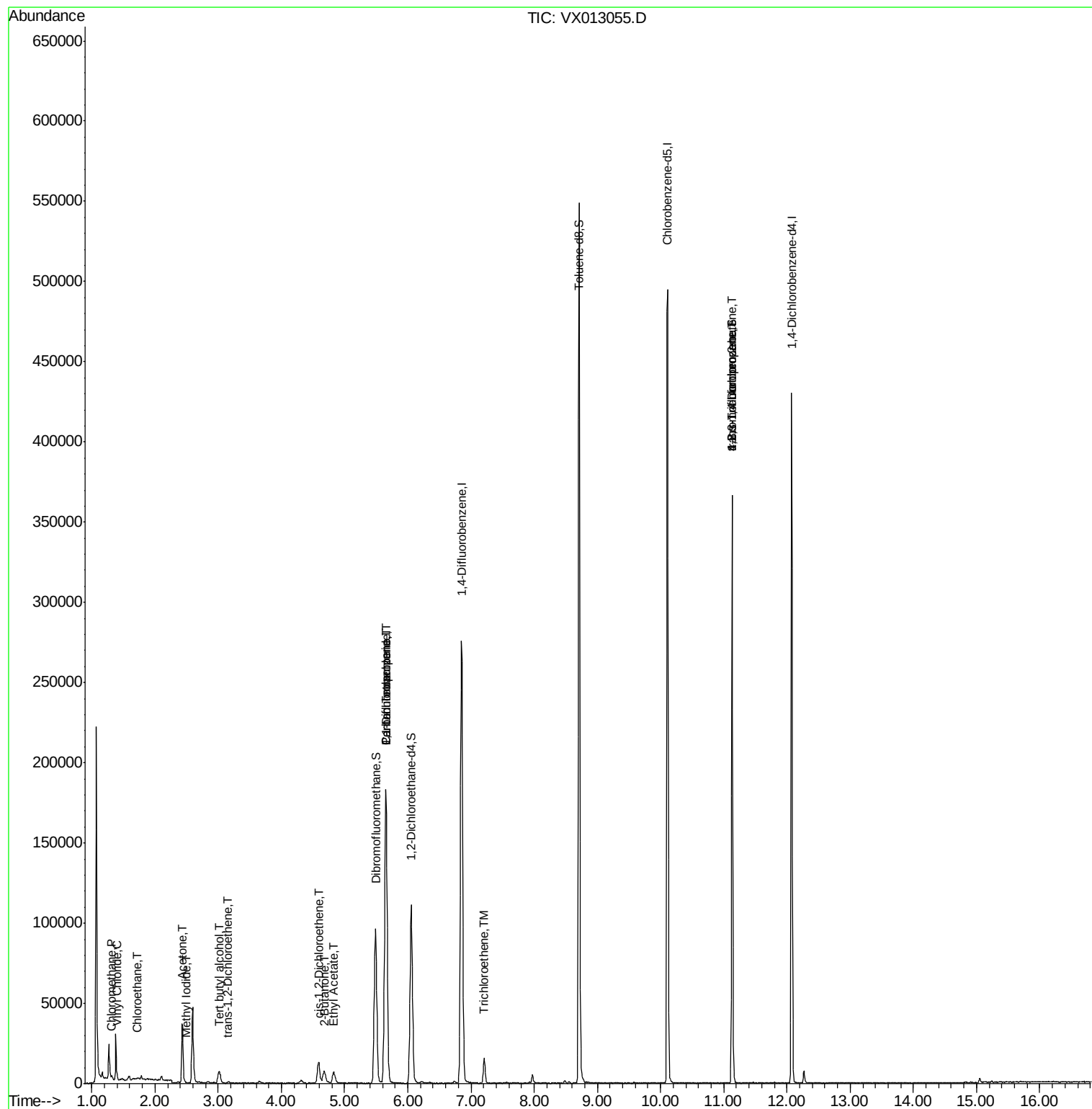
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1128	0.591	ug/l	94
4) Vinyl Chloride	1.40	62	1048	0.532	ug/l #	82
6) Chloroethane	1.72	64	121	0.467	ug/l #	43
10) Methyl Iodide	2.50	142	228	5.187	ug/l #	52
11) Tert butyl alcohol	3.02	59	7601	13.331	ug/l #	87
16) Acetone	2.43	43	38986	34.388	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	380	0.204	ug/l	86
25) 2-Butanone	4.67	43	5927	3.768	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	8094	3.767	ug/l	93
36) 1,1-Dichloropropene	5.65	75	13809	5.544	ug/l #	49
37) Ethyl Acetate	4.83	43	13615	4.888	ug/l	99
38) Carbon Tetrachloride	5.65	117	17476	7.208	ug/l #	19
44) Trichloroethene	7.21	130	5966	2.924	ug/l	83
76) 1,2,3-Trichloropropane	11.14	75	52225	27.247	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	52225	68.427	ug/l #	10

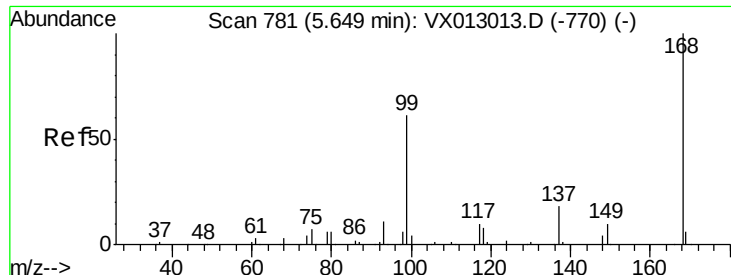
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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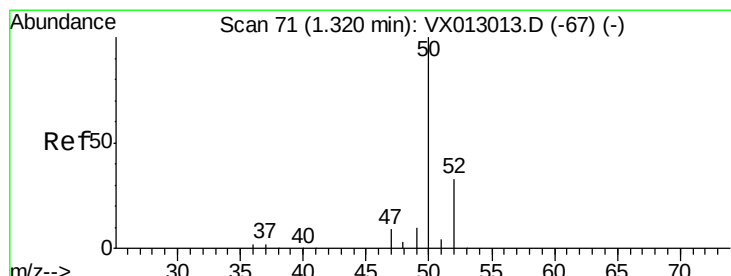
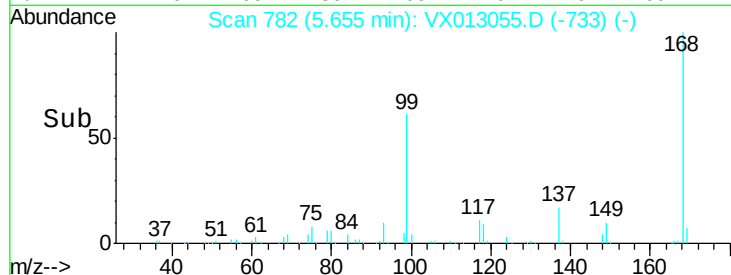
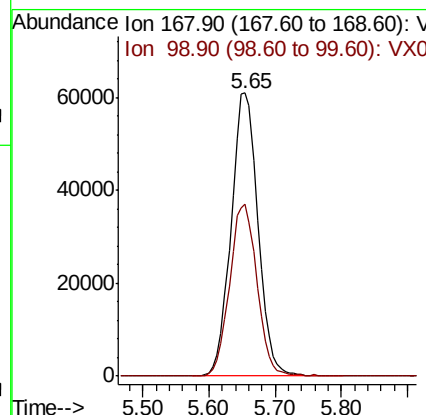
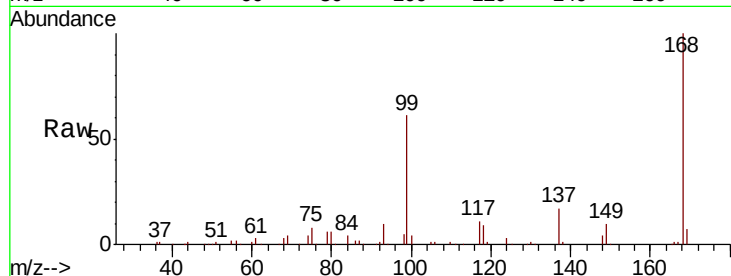




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

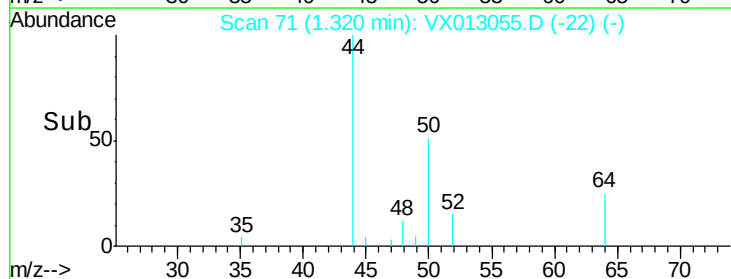
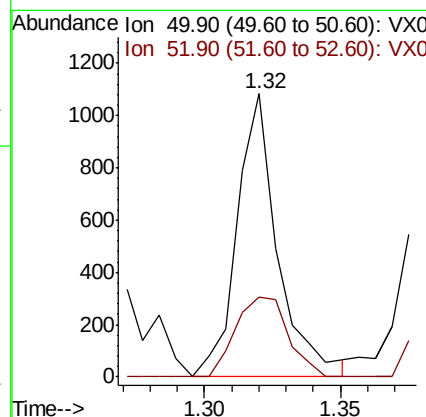
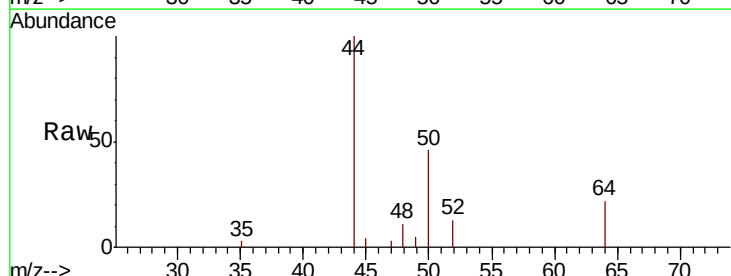
Instrument :
MSVOA_X
ClientSampled :

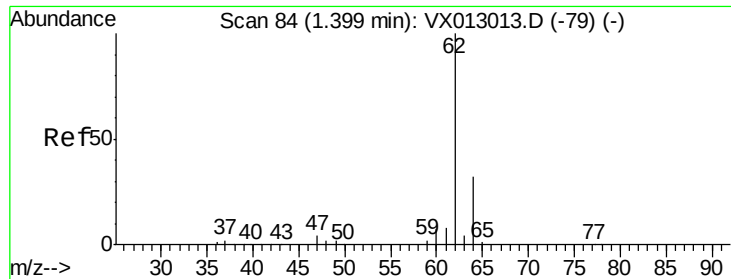
Tot Ion:168 Resp: 172085
Ion Ratio Lower Upper
168 100
99 60.9 49.4 74.0



#3
Chloromethane
Concen: 0.591 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

Tgt Ion: 50 Resp: 1128
Ion Ratio Lower Upper
50 100
52 28.4 25.2 37.8





#4

Vinyl Chloride

Concen: 0.532 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

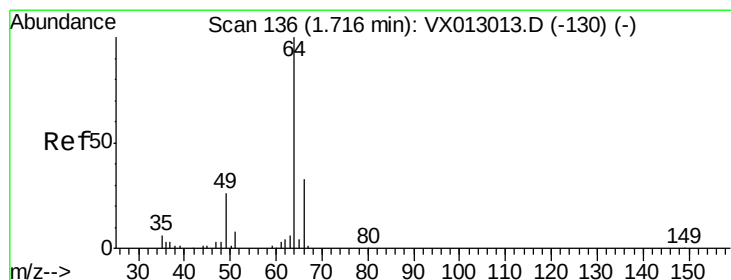
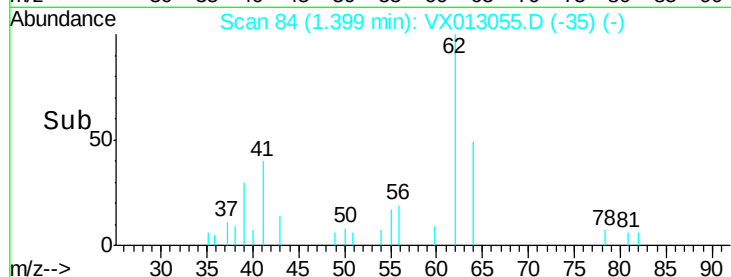
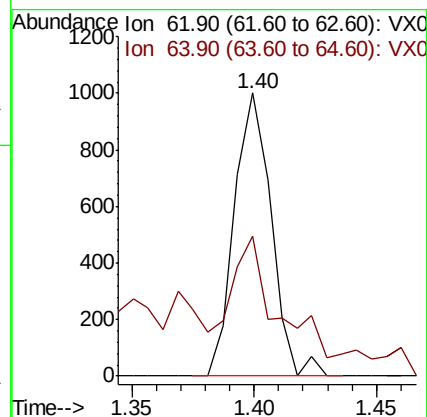
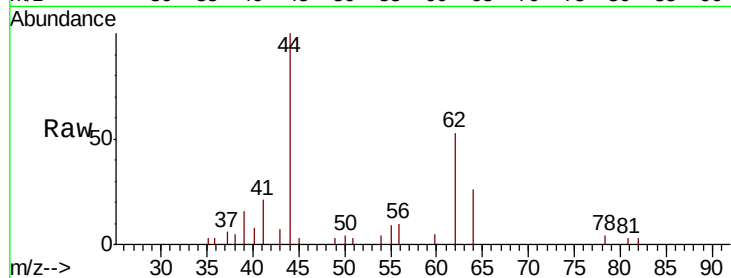
ClientSampled :

Tot Ion: 62 Resp: 1048

Ion Ratio Lower Upper

62 100

64 41.6 25.3 37.9#



#6

Chloroethane

Concen: 0.467 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013055.D

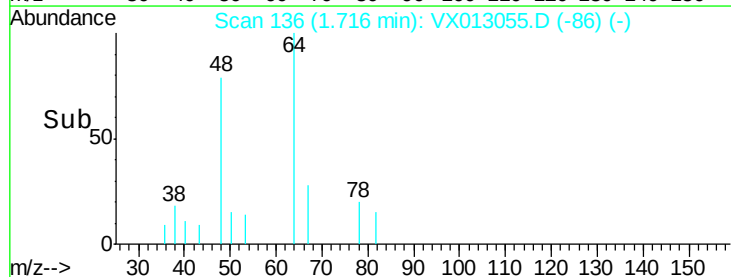
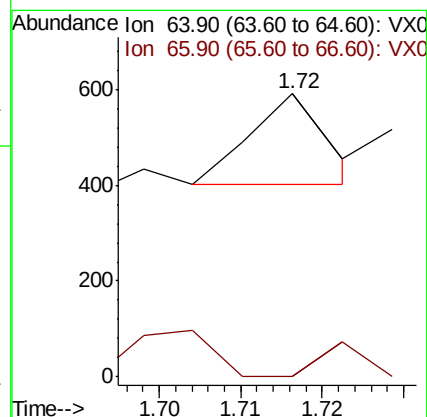
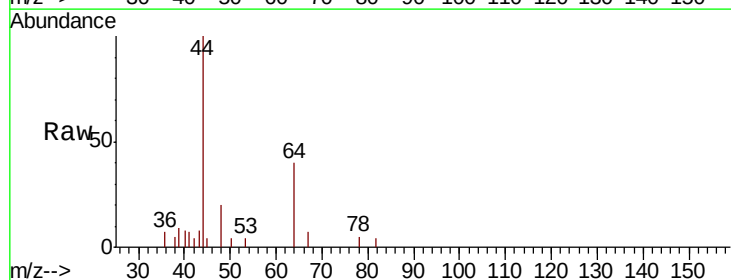
Acq: 14 Oct 2019 16:29

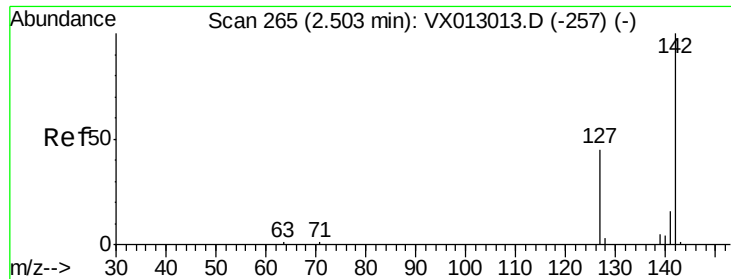
Tgt Ion: 64 Resp: 121

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

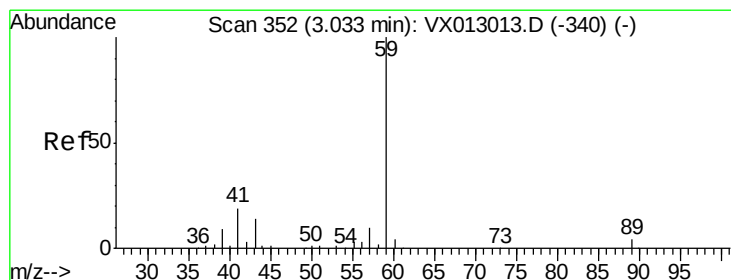
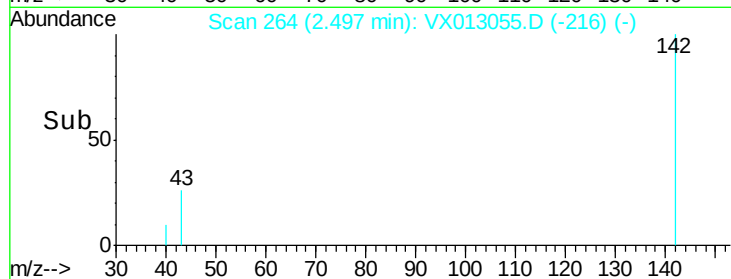
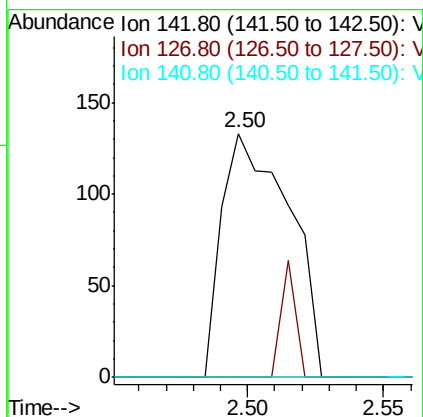
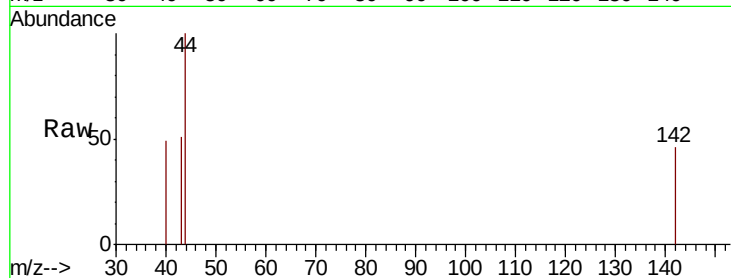




#10
Methyl Iodide
Concen: 5.187 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

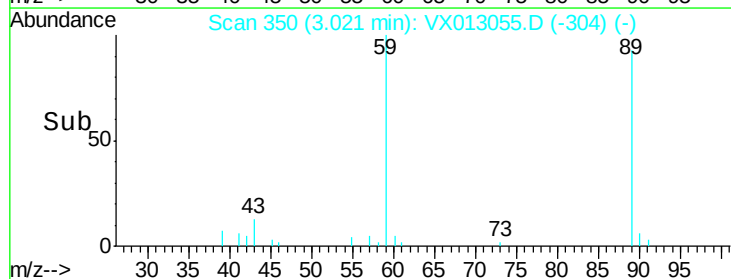
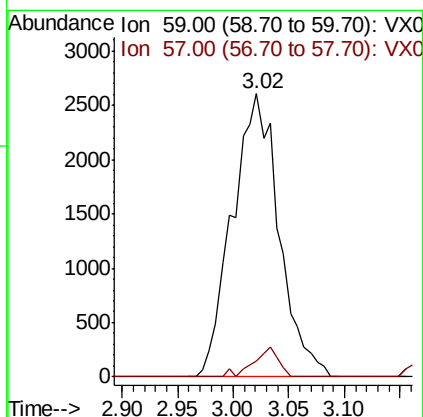
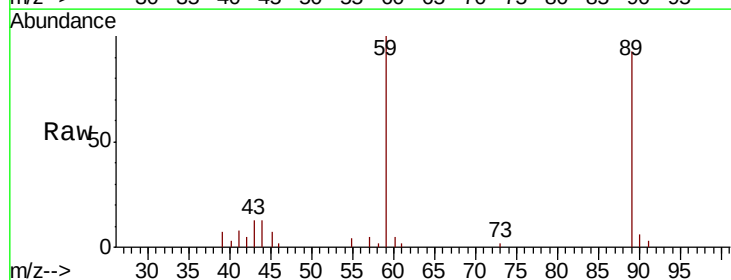
Instrument :
MSVOA_X
ClientSampleId :

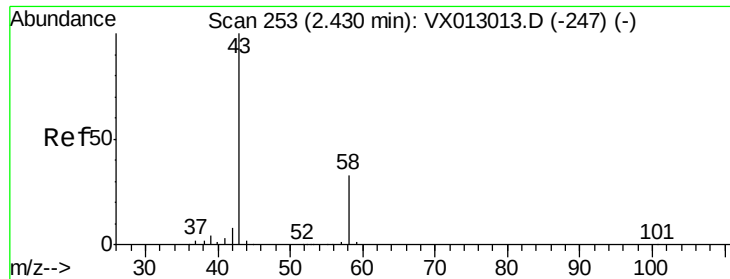
Tot Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
127 10.1 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 13.331 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

Tgt Ion: 59 Resp: 7601
Ion Ratio Lower Upper
59 100
57 5.6 8.3 12.5#





#16

Acetone

Concen: 34.388 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

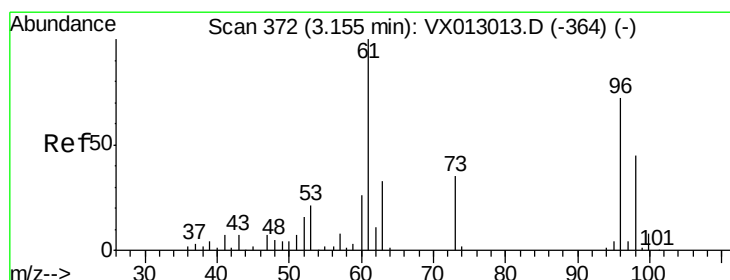
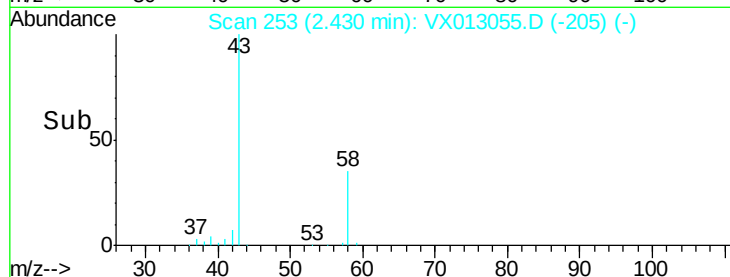
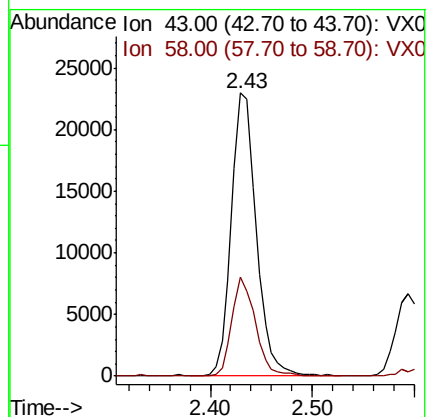
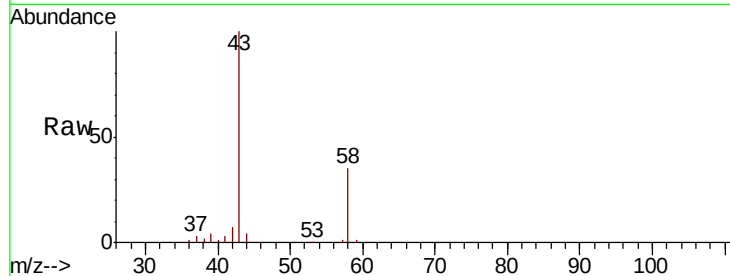
ClientSampled :

Tot Ion: 43 Resp: 38986

Ion Ratio Lower Upper

43 100

58 34.9 25.4 38.2



#21

trans-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

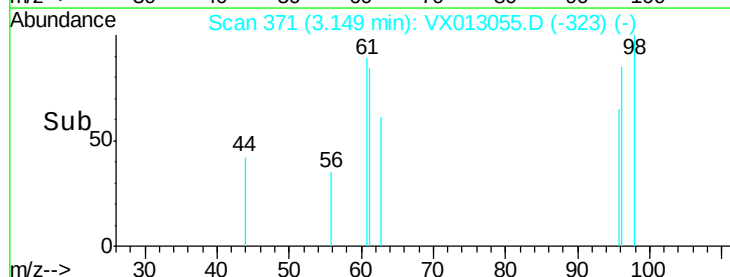
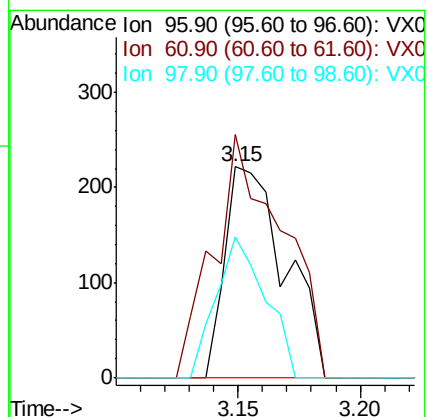
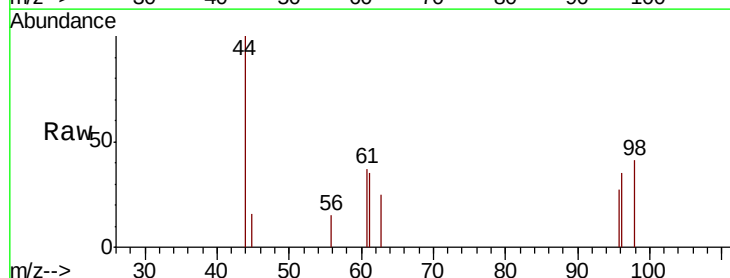
Tgt Ion: 96 Resp: 380

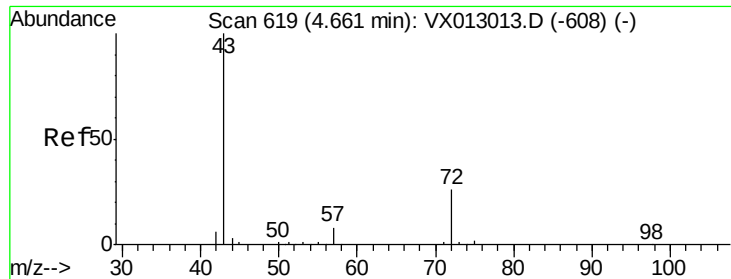
Ion Ratio Lower Upper

96 100

61 115.3 110.4 165.6

98 66.7 51.5 77.3





#25

2-Butanone

Concen: 3.768 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

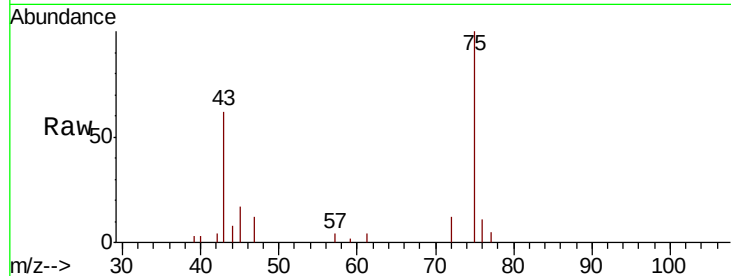
ClientSampleId :

Tot Ion: 43 Resp: 5927

Ion Ratio Lower Upper

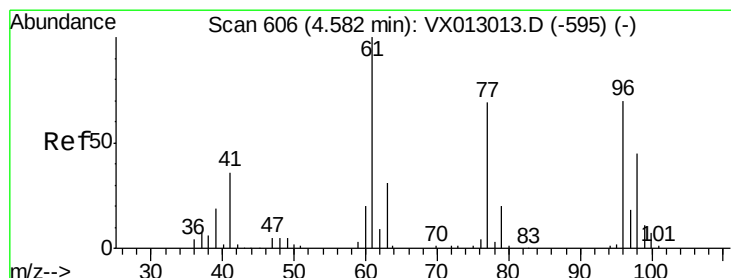
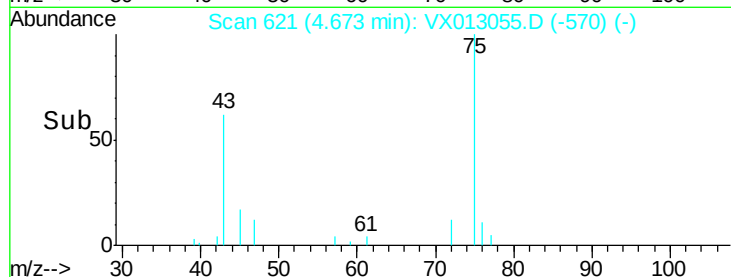
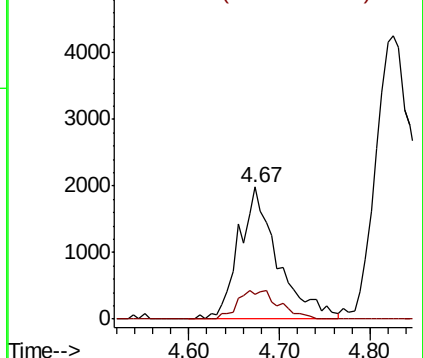
43 100

72 19.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.767 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

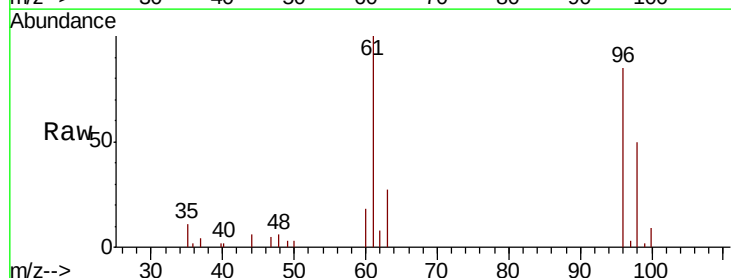
Tgt Ion: 96 Resp: 8094

Ion Ratio Lower Upper

96 100

61 133.6 0.0 290.6

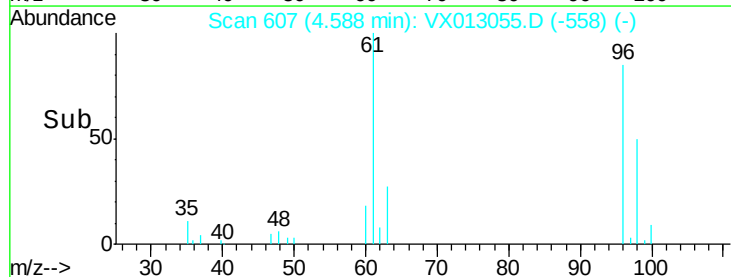
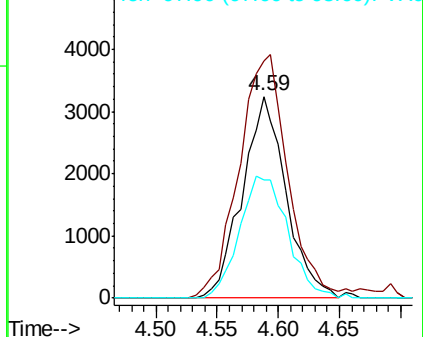
98 66.2 0.0 128.8

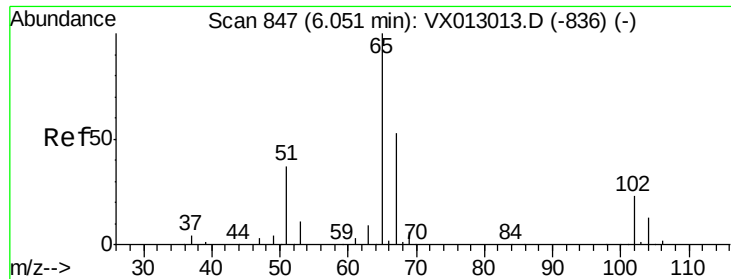


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

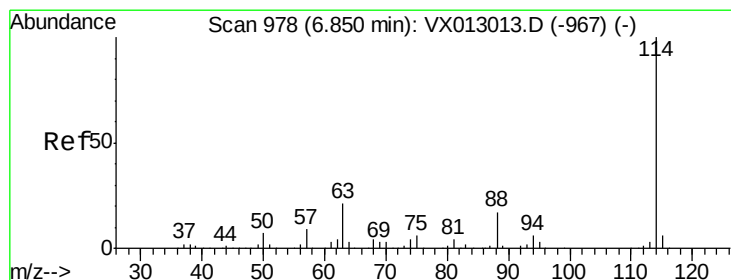
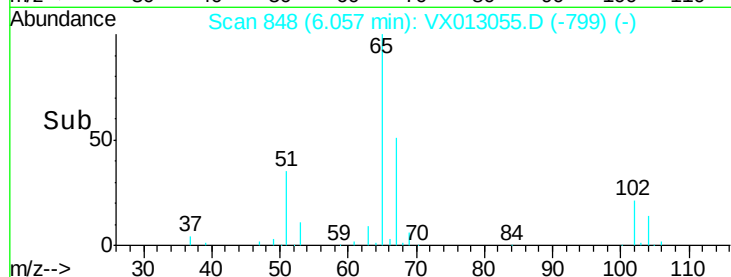
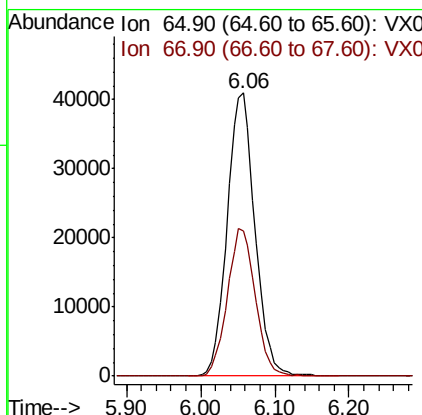
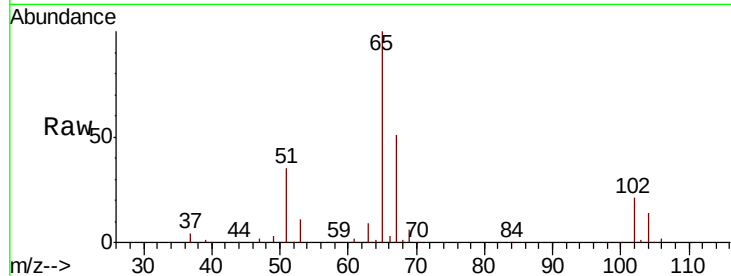




#33
 1,2-Dichloroethane-d4
 Concen: 49.682 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX013055.D
 Acq: 14 Oct 2019 16:29

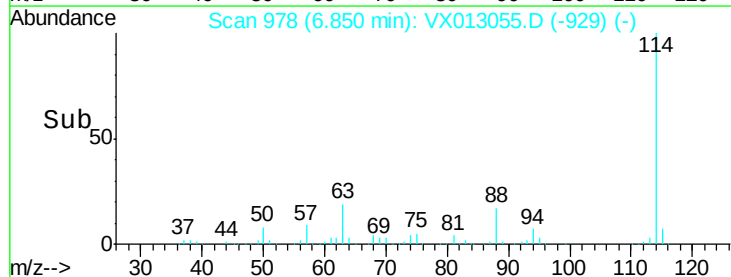
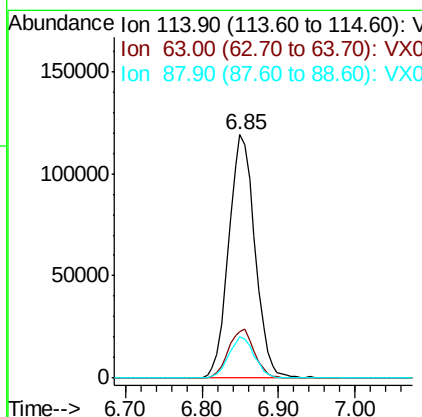
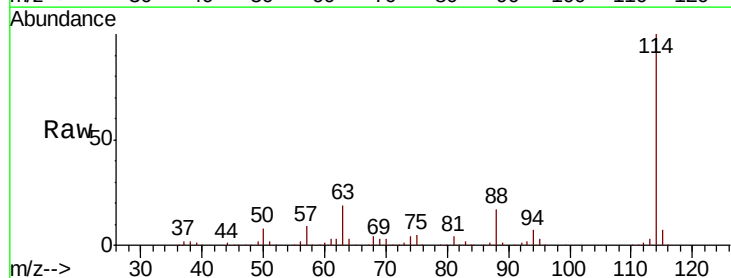
Instrument :
 MSVOA_X
 ClientSampleId :

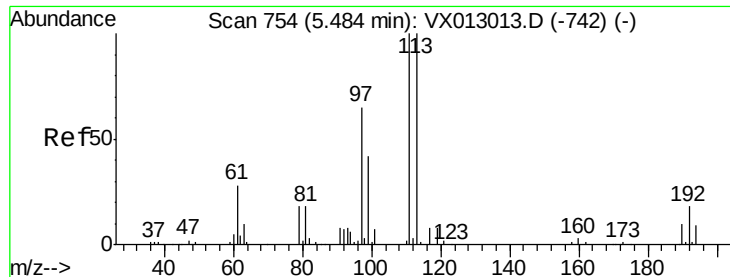
Tot Ion: 65 Resp: 106858
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013055.D
 Acq: 14 Oct 2019 16:29

Tgt Ion: 114 Resp: 283311
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.8
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.416 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

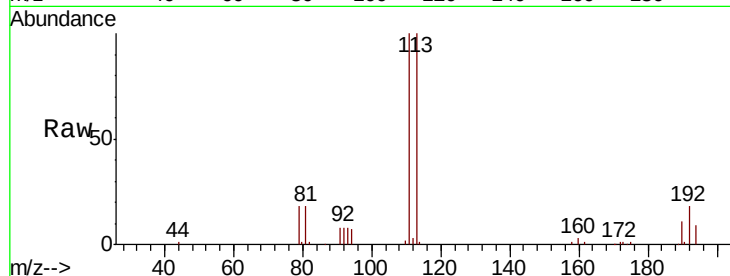
Tot Ion:113 Resp: 83606

Ion Ratio Lower Upper

113 100

111 103.9 83.2 124.8

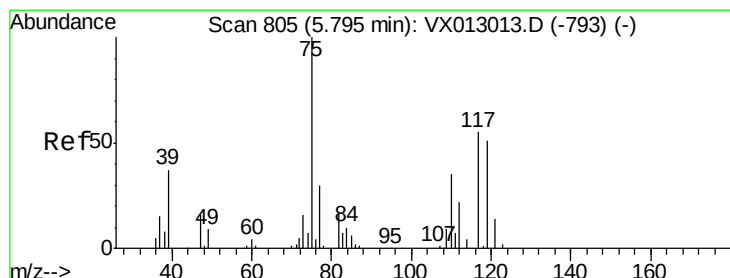
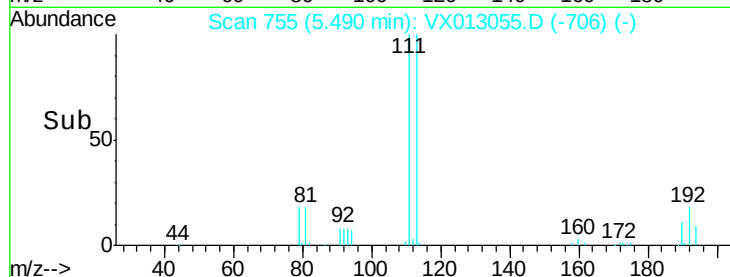
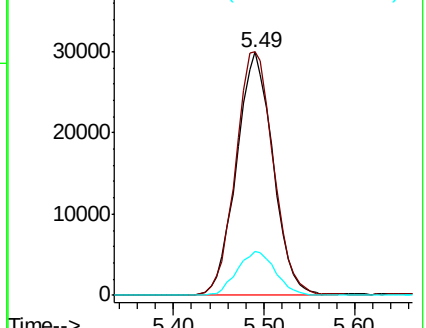
192 18.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.544 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

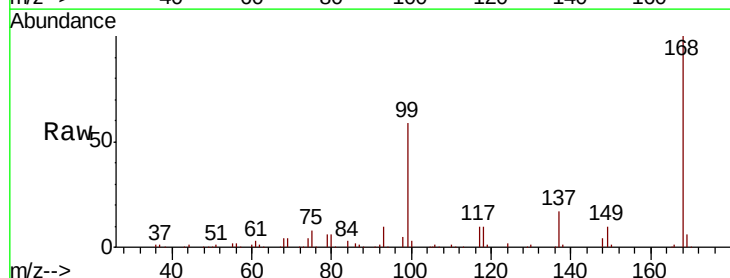
Tgt Ion: 75 Resp: 13809

Ion Ratio Lower Upper

75 100

110 8.2 17.6 52.9#

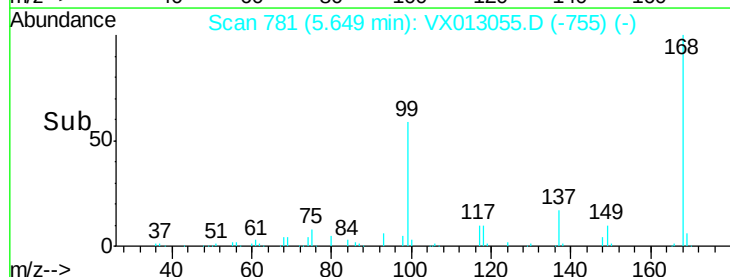
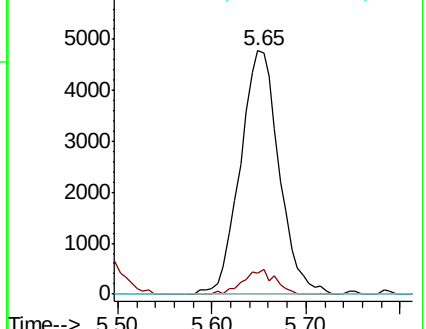
77 0.0 24.4 36.6#

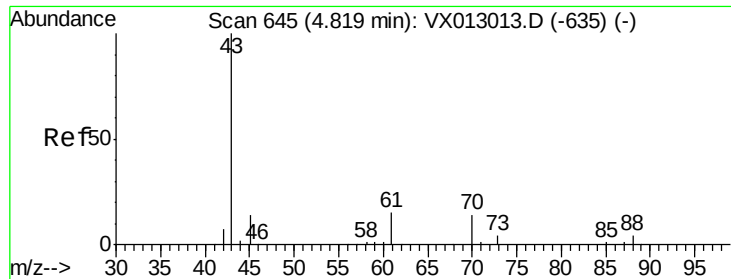


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 4.888 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

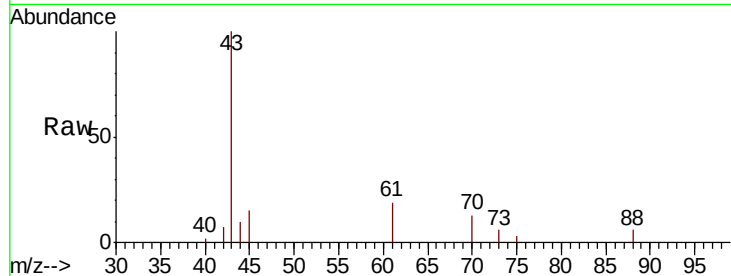
Tot Ion: 43 Resp: 13615

Ion Ratio Lower Upper

43 100

61 14.3 11.4 17.0

70 12.6 9.8 14.6

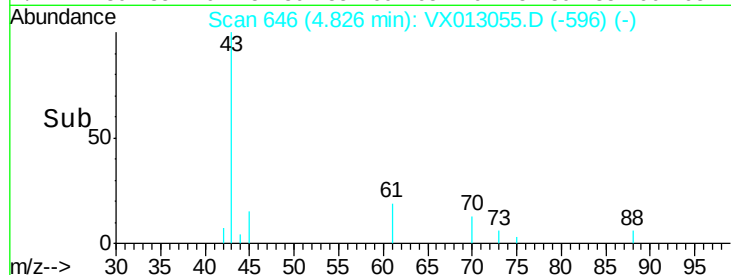


Abundance Ion 43.00 (42.70 to 43.70): VX013013.D (-635) (-)

Ion 60.90 (60.60 to 61.60): VX013013.D (-635) (-)

Ion 70.00 (69.70 to 70.70): VX013013.D (-635) (-)

Time-->

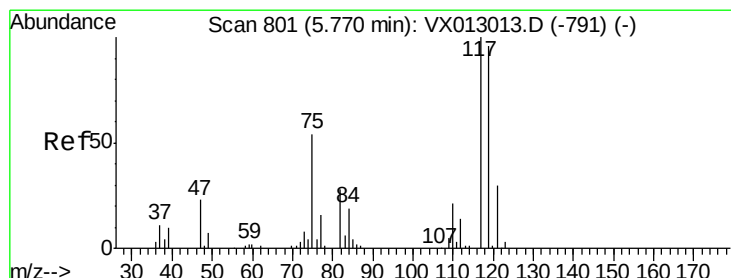


Abundance Ion 43.00 (42.70 to 43.70): VX013055.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX013055.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX013055.D (-596) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.208 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

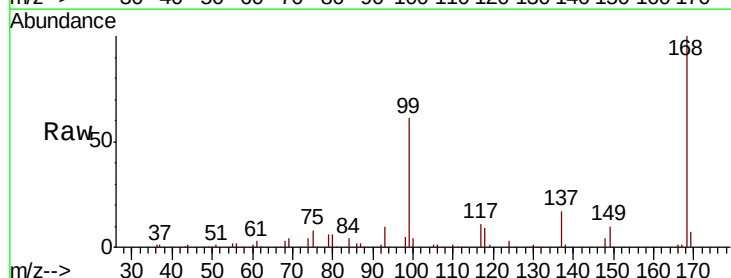
Tgt Ion: 117 Resp: 17476

Ion Ratio Lower Upper

117 100

119 7.6 74.5 111.7#

121 0.0 24.2 36.4#

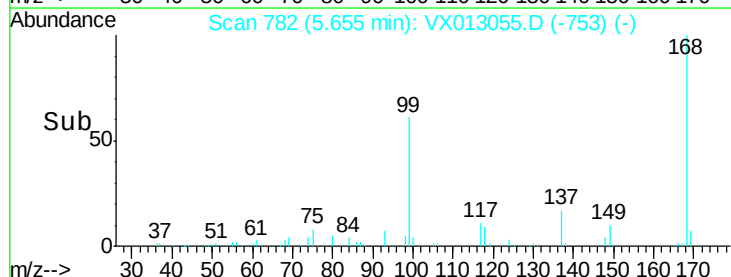


Abundance Ion 116.80 (116.50 to 117.50): VX013013.D (-791) (-)

Ion 118.80 (118.50 to 119.50): VX013013.D (-791) (-)

Ion 120.80 (120.50 to 121.50): VX013013.D (-791) (-)

Time-->

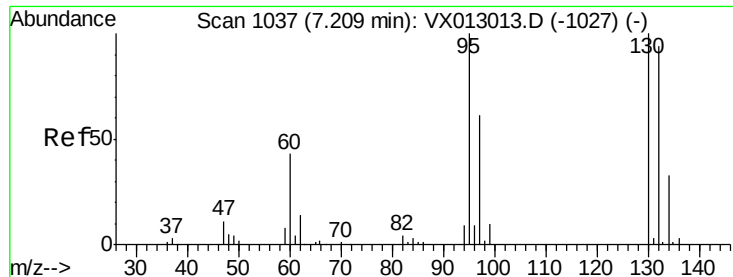


Abundance Ion 116.80 (116.50 to 117.50): VX013055.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX013055.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX013055.D (-753) (-)

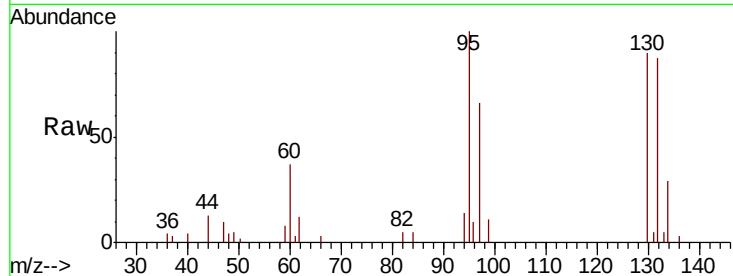
Time-->



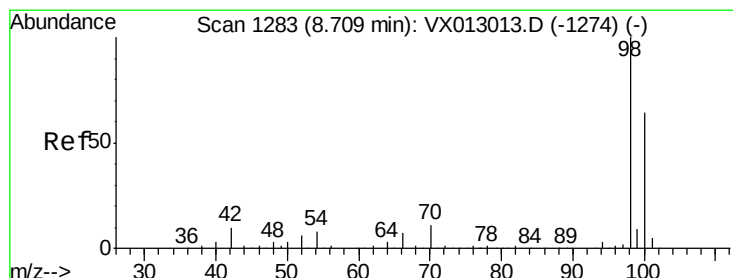
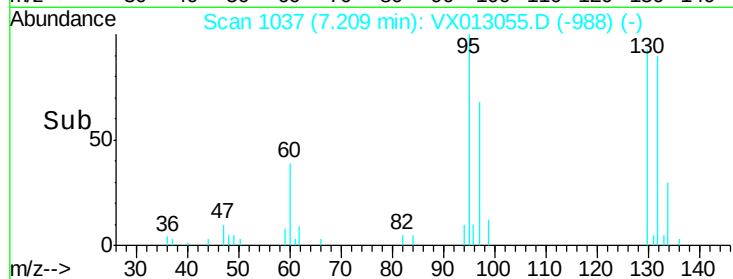
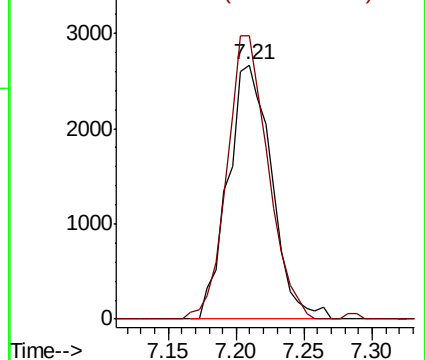
#44
 Trichloroethene
 Concen: 2.924 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013055.D
 Acq: 14 Oct 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 5966
 Ion Ratio Lower Upper
 130 100
 95 111.4 0.0 189.2

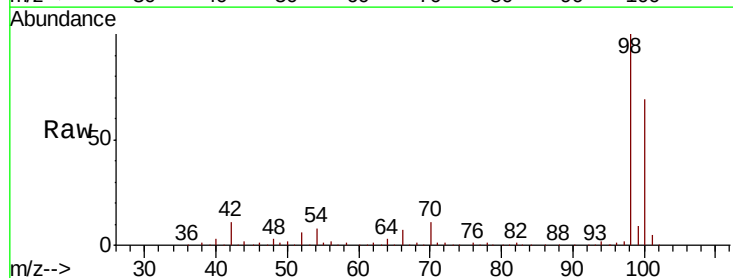


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

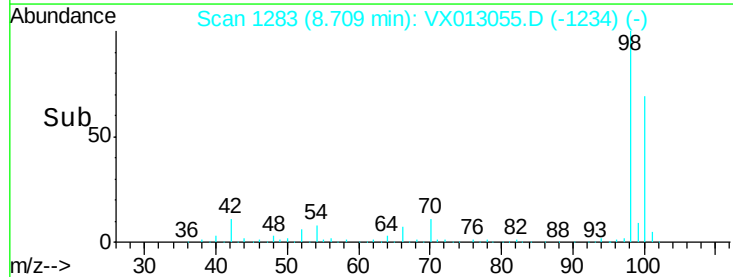
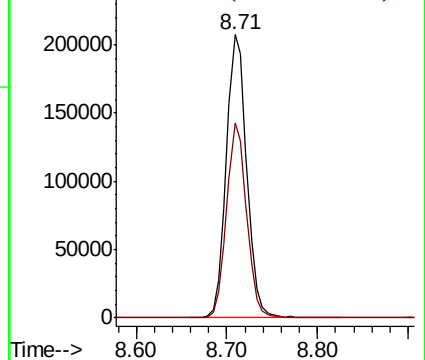


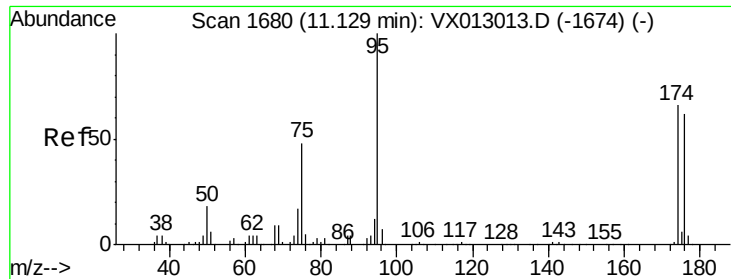
#50
 Toluene-d8
 Concen: 51.303 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX013055.D
 Acq: 14 Oct 2019 16:29

Tgt Ion: 98 Resp: 325362
 Ion Ratio Lower Upper
 98 100
 100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

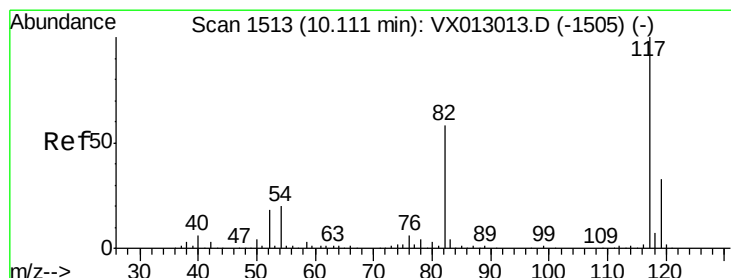
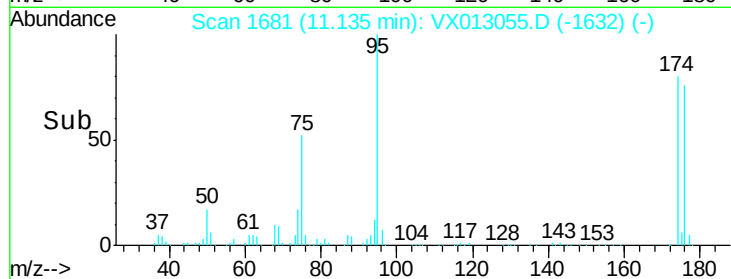
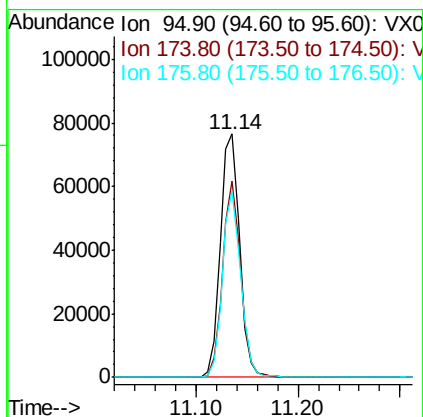
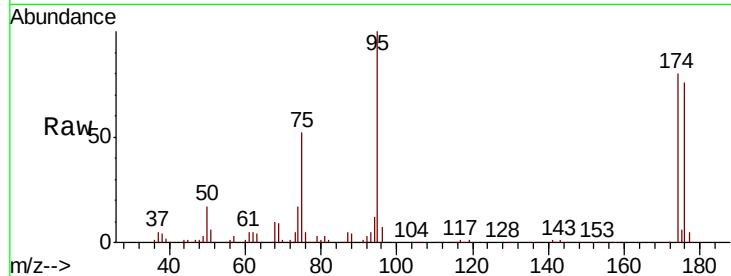




#62
4-Bromofluorobenzene
Concen: 41.382 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

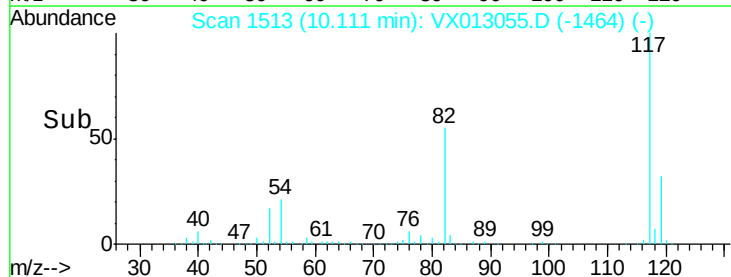
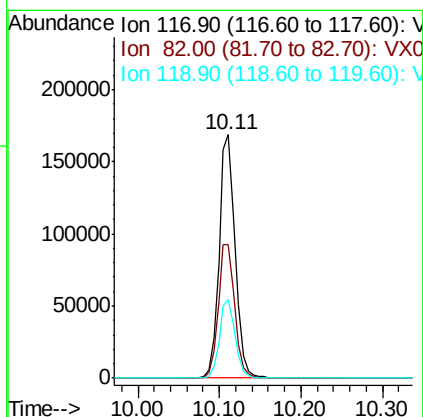
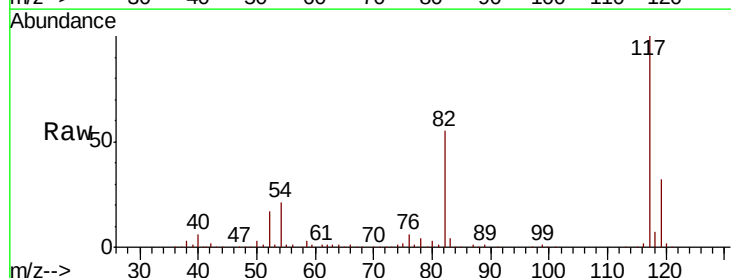
Instrument :
MSVOA_X
ClientSampled :

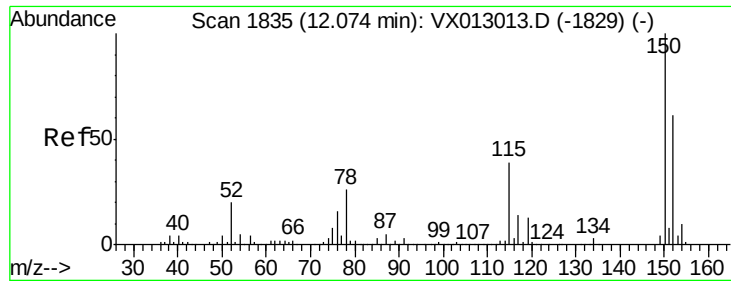
Tot Ion: 95 Resp: 101974
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.4
176 71.9 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013055.D
Acq: 14 Oct 2019 16:29

Tgt Ion: 117 Resp: 232960
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

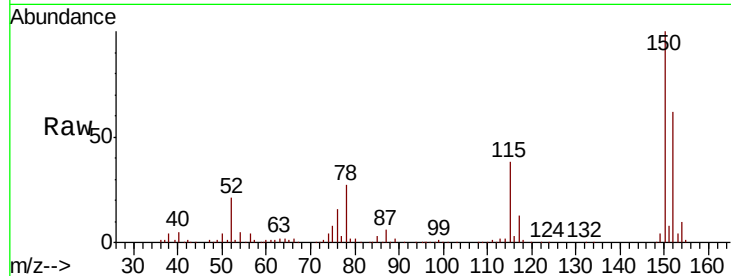
Tot Ion:152 Resp: 86416

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.5

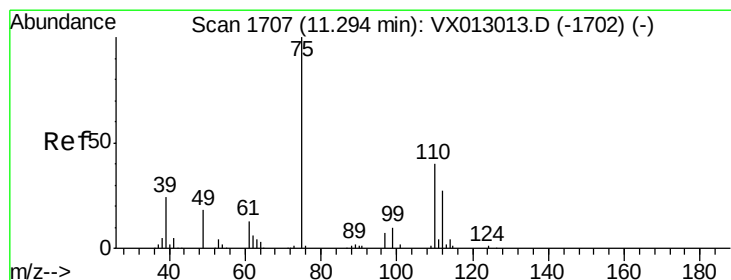
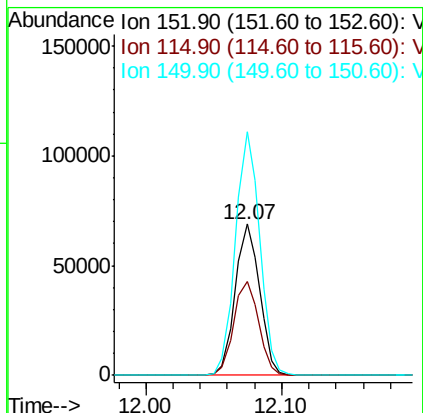
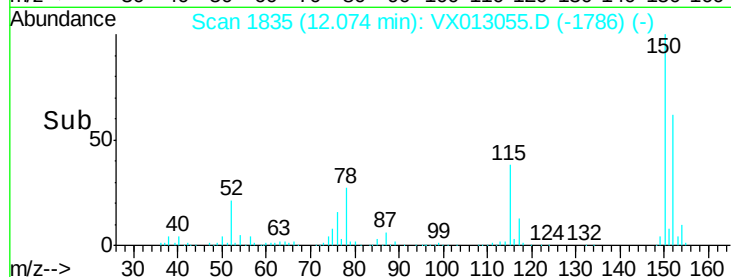
150 160.0 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.247 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013055.D

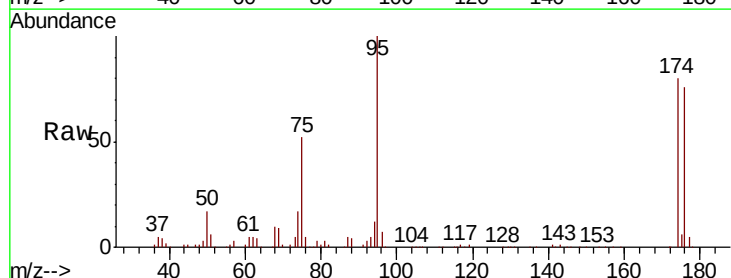
Acq: 14 Oct 2019 16:29

Tgt Ion: 75 Resp: 52225

Ion Ratio Lower Upper

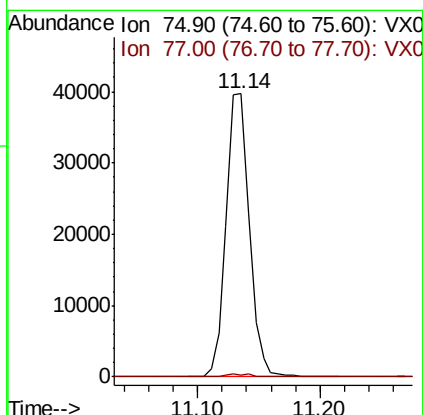
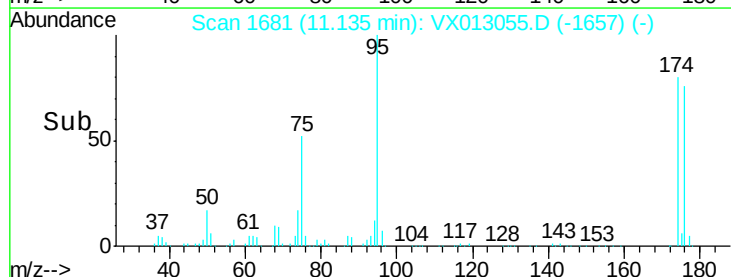
75 100

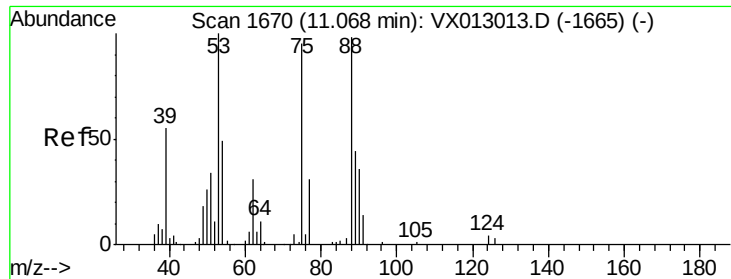
77 1.1 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.427 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013055.D

Acq: 14 Oct 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

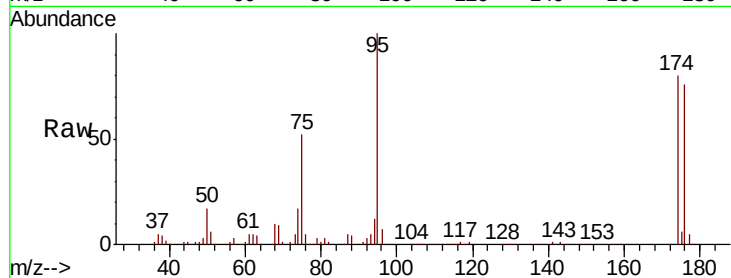
Tot Ion: 75 Resp: 52225

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

