

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013672.D
 Acq On : 28 Nov 2019 00:01
 Operator : JC/SP
 Sample : K6079-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 04:21:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

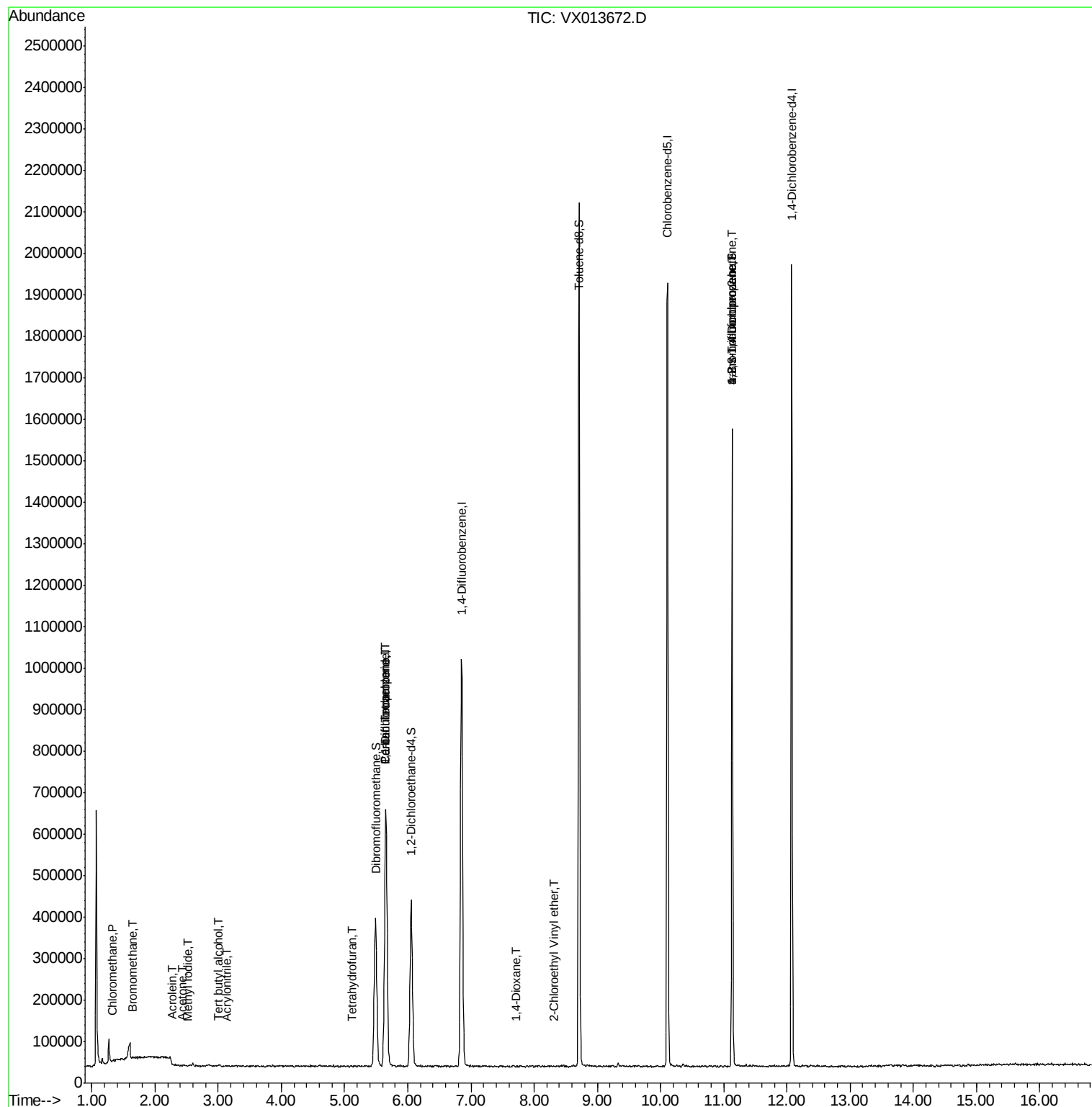
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	648958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1023647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	907254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	399001	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	372475	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.49	113	306604	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.71	98	1217272	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	400090	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1809	0.223	ug/l	90
5) Bromomethane	1.64	94	2033	0.332	ug/l #	78
10) Methyl Iodide	2.52	142	1911	0.255	ug/l #	75
11) Tert butyl alcohol	3.00	59	4822	2.593	ug/l	100
13) Acrolein	2.27	56	601	6.475	ug/l #	15
15) Acrylonitrile	3.13	53	777	0.202	ug/l #	51
16) Acetone	2.44	43	1720	0.462	ug/l #	87
29) Tetrahydrofuran	5.12	42	1017	0.298	ug/l #	66
36) 1,1-Dichloropropene	5.64	75	45467	4.893	ug/l #	46
38) Carbon Tetrachloride	5.65	117	54890	6.406	ug/l #	15
49) 1,4-Dioxane	7.72	88	404	2.165	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	1037	0.232	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	194883	21.716	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	194883	59.411	ug/l #	11

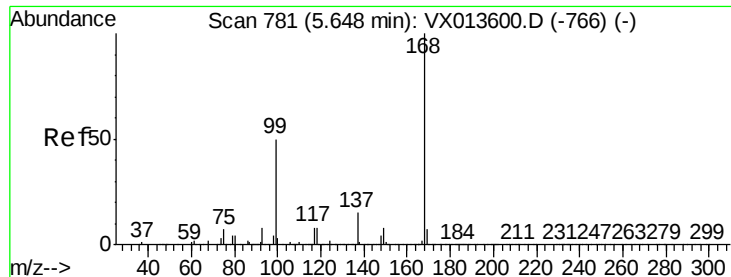
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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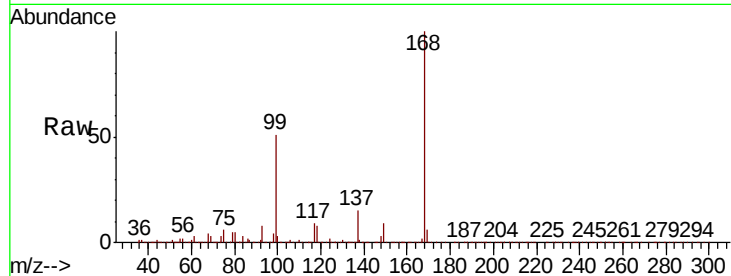


#1

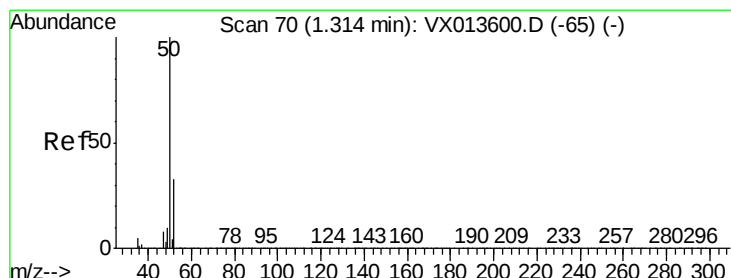
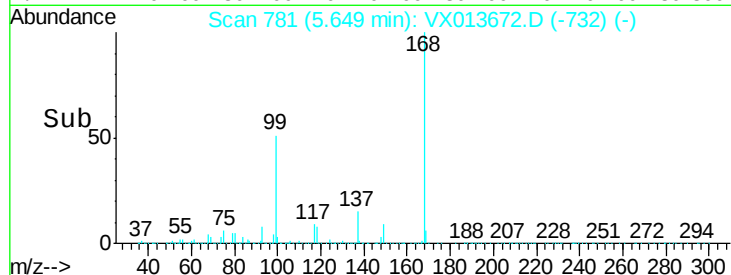
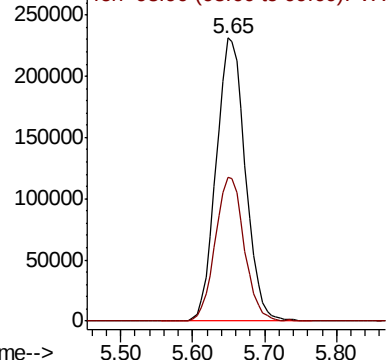
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 648958
 Ion Ratio Lower Upper
 168 100
 99 50.9 39.8 59.8



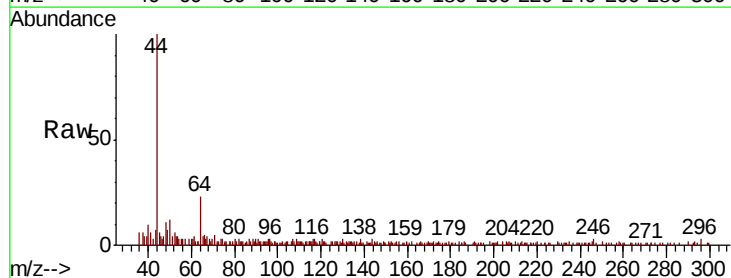
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



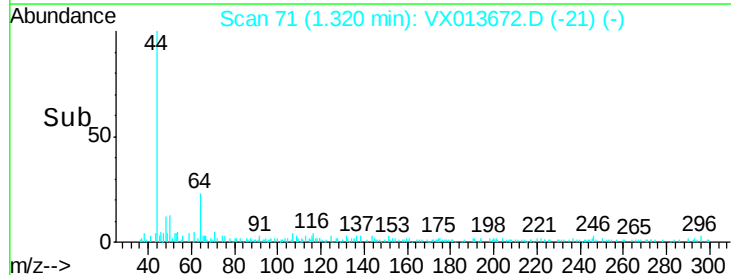
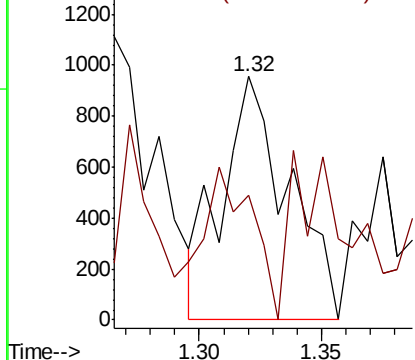
#3

Chloromethane
 Concen: 0.223 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

Tgt Ion: 50 Resp: 1809
 Ion Ratio Lower Upper
 50 100
 52 27.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.332 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Instrument :

MSVOA_X

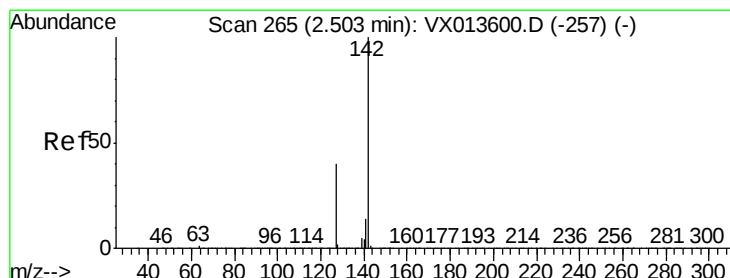
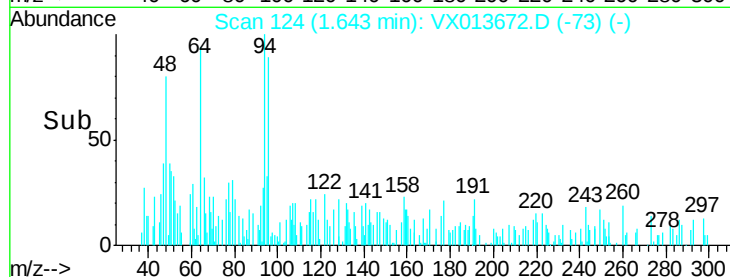
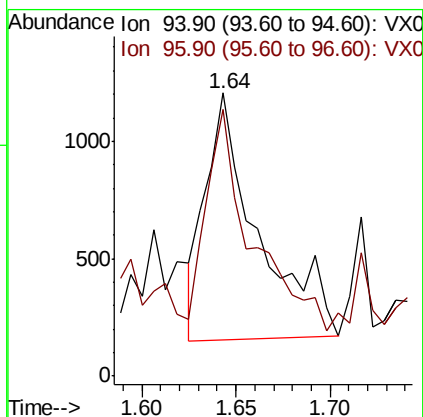
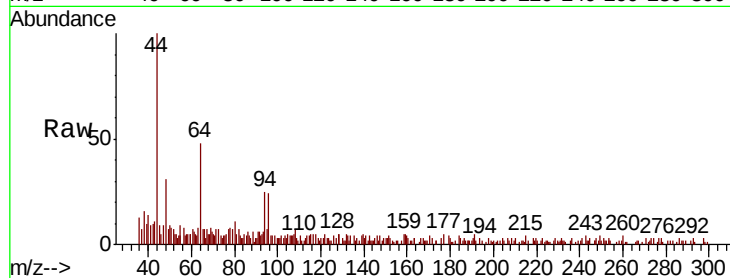
ClientSampled :

Tot Ion: 94 Resp: 2033

Ion Ratio Lower Upper

94 100

96 118.0 77.0 115.4#



#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

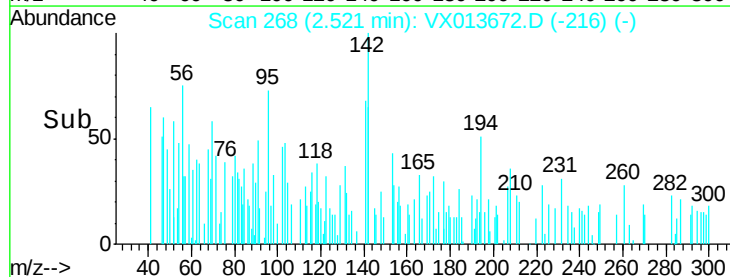
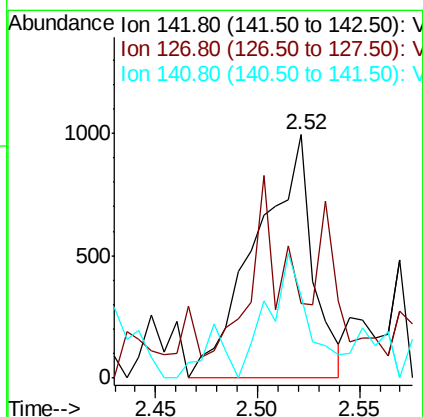
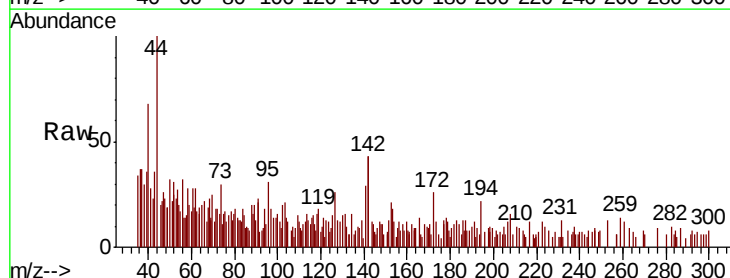
Tgt Ion: 142 Resp: 1911

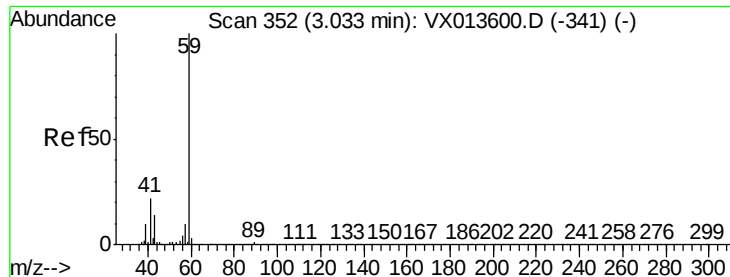
Ion Ratio Lower Upper

142 100

127 47.6 31.0 46.4#

141 36.6 11.6 17.4#

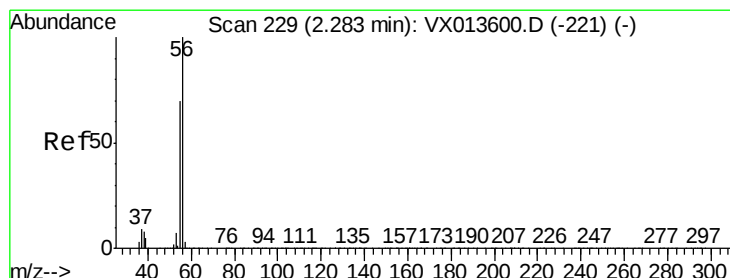
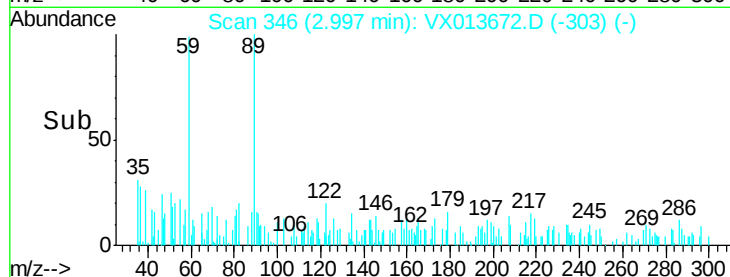
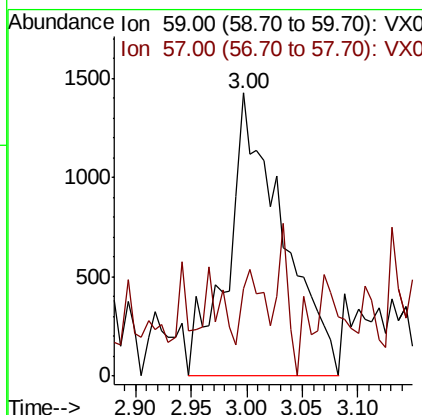
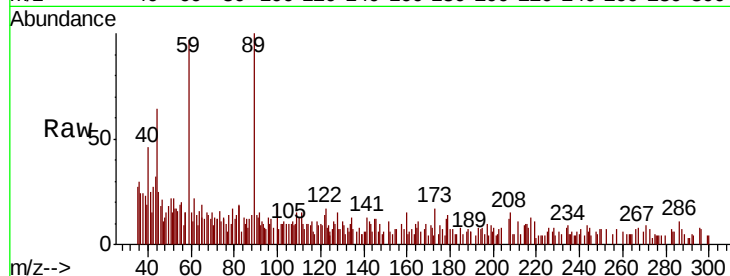




#11
Tert butyl alcohol
Concen: 2.593 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

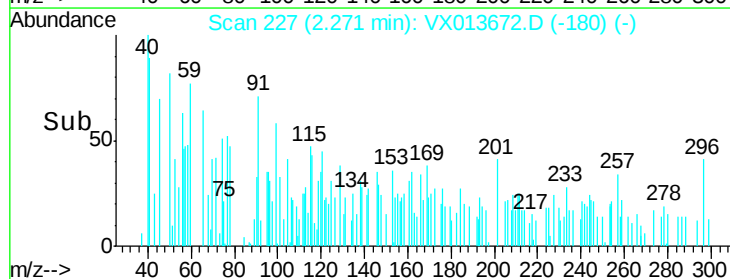
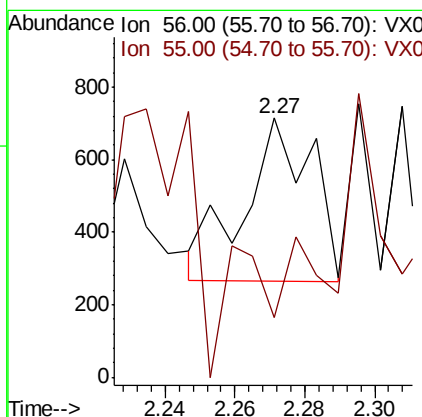
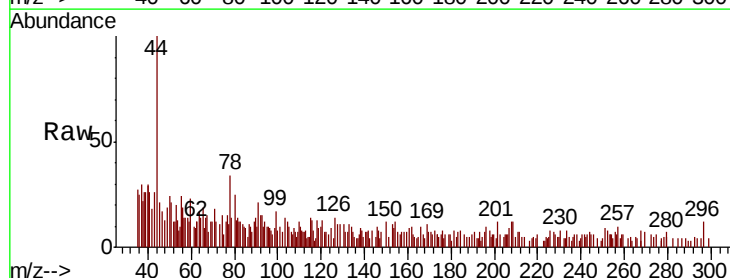
Instrument :
MSVOA_X
ClientSampleId :

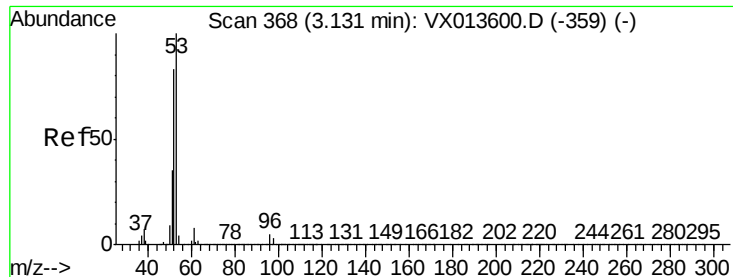
Tot Ion: 59 Resp: 4822
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6



#13
Acrolein
Concen: 6.475 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

Tgt Ion: 56 Resp: 601
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#15

Acrylonitrile

Concen: 0.202 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Instrument :

MSVOA_X

ClientSampled :

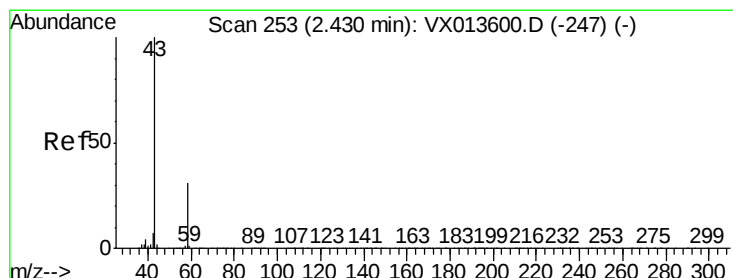
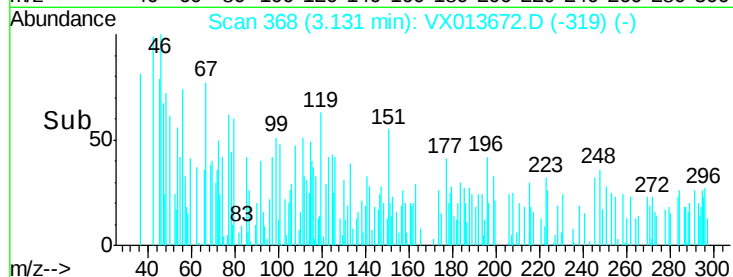
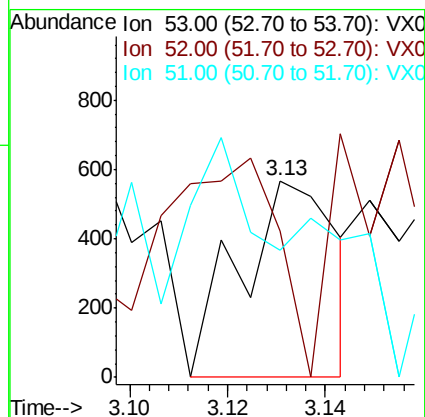
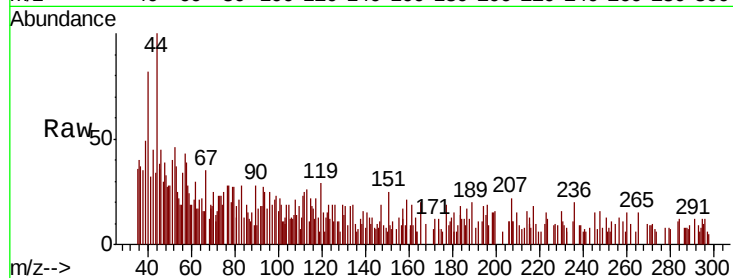
Tot Ion: 53 Resp: 777

Ion Ratio Lower Upper

53 100

52 124.7 66.2 99.2#

51 68.7 29.0 43.6#



#16

Acetone

Concen: 0.462 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013672.D

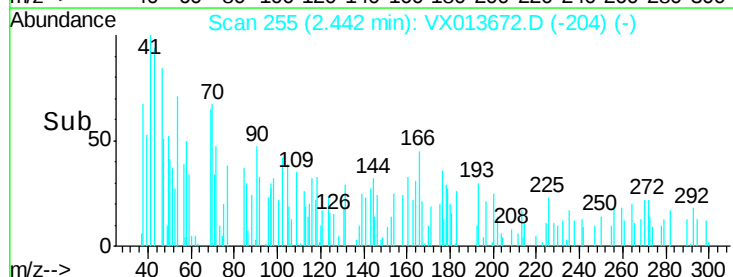
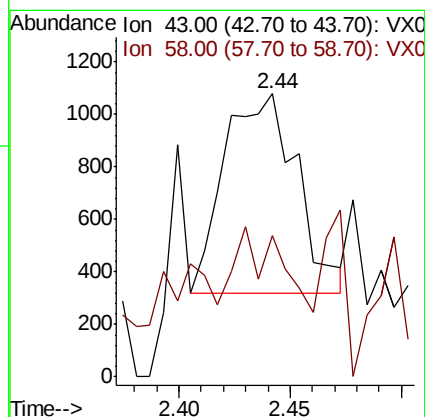
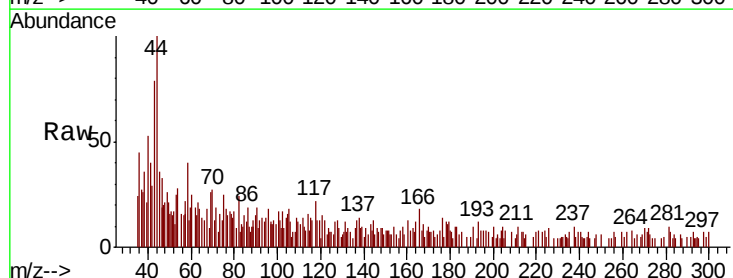
Acq: 28 Nov 2019 00:01

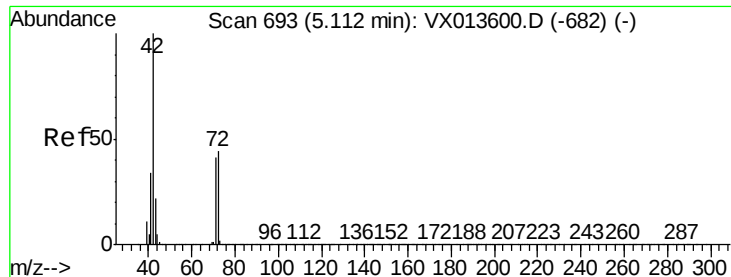
Tgt Ion: 43 Resp: 1720

Ion Ratio Lower Upper

43 100

58 38.0 24.6 36.8#

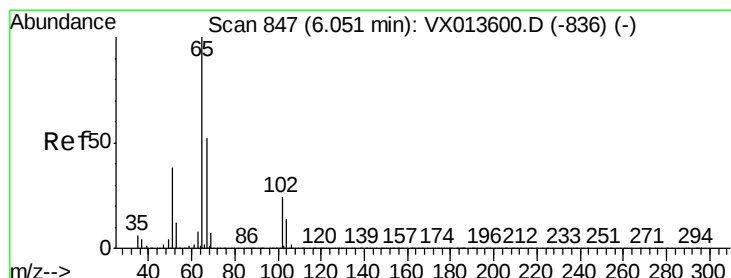
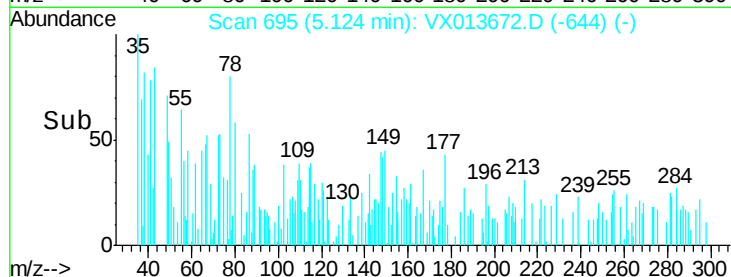
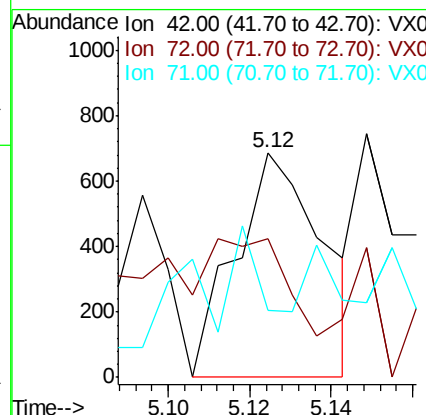
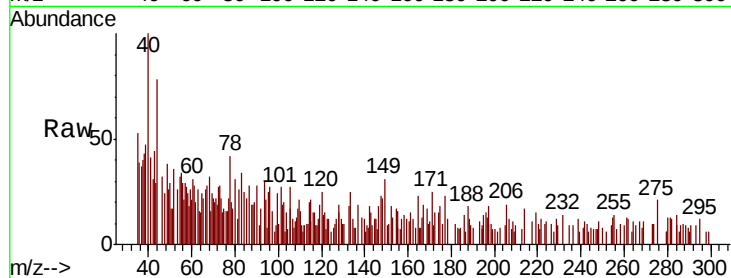




#29
Tetrahydrofuran
Concen: 0.298 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

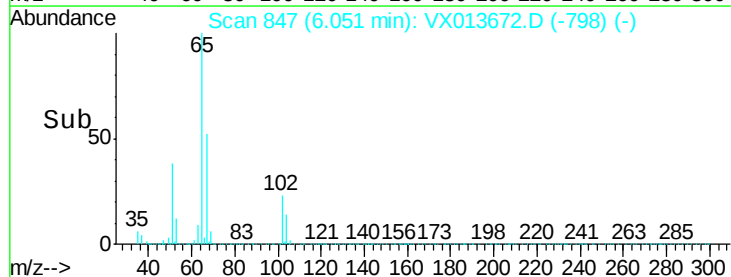
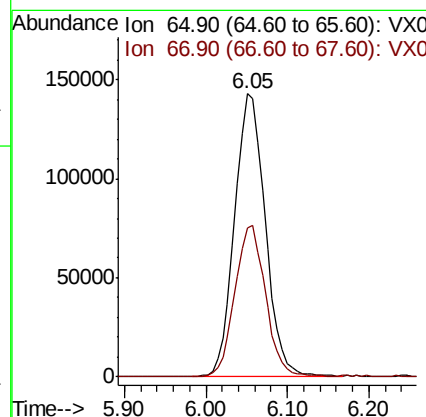
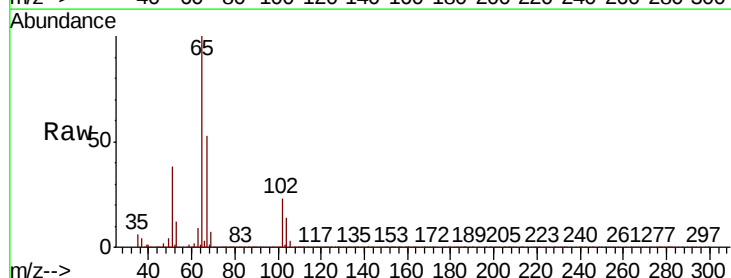
Instrument :
MSVOA_X
ClientSampleId :

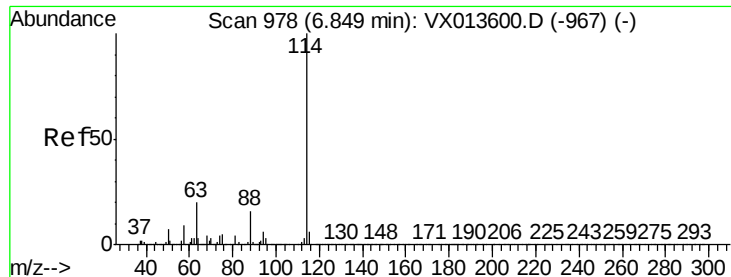
Tot Ion: 42 Resp: 1017
Ion Ratio Lower Upper
42 100
72 66.1 36.3 54.5#
71 18.6 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 49.446 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

Tgt Ion: 65 Resp: 372475
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

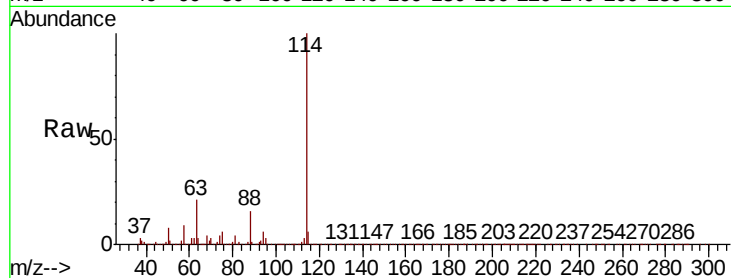
Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:114 Resp: 1023647

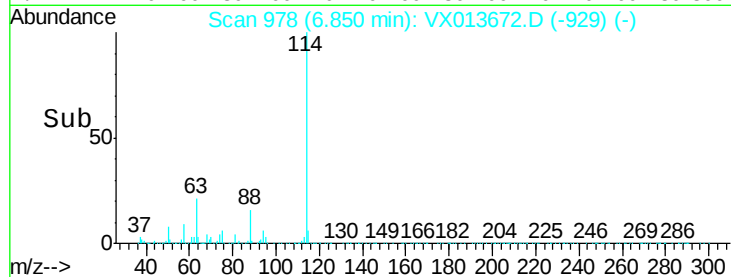
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.6
88	15.7	0.0	31.4



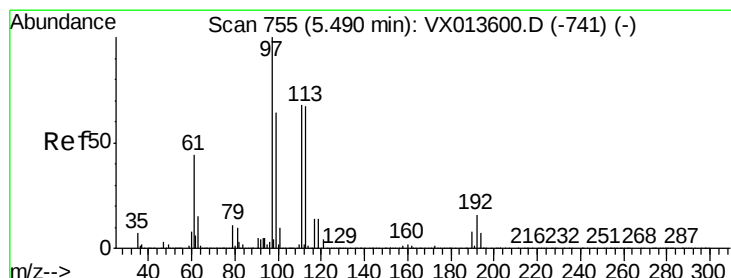
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->



#35

Dibromofluoromethane

Concen: 48.450 ug/l

RT: 5.49 min Scan# 755

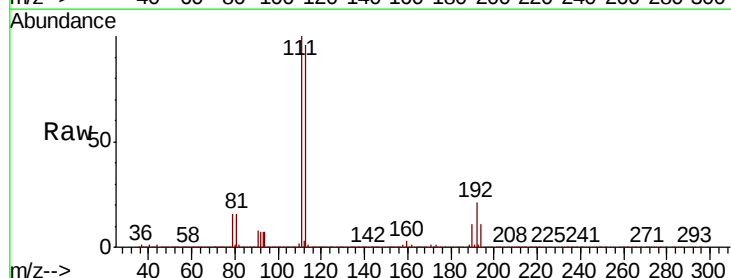
Delta R.T. 0.00 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Tgt Ion:113 Resp: 306604

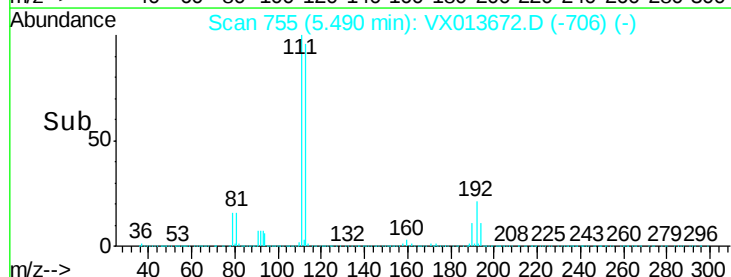
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.6	125.4
192	23.8	19.2	28.8



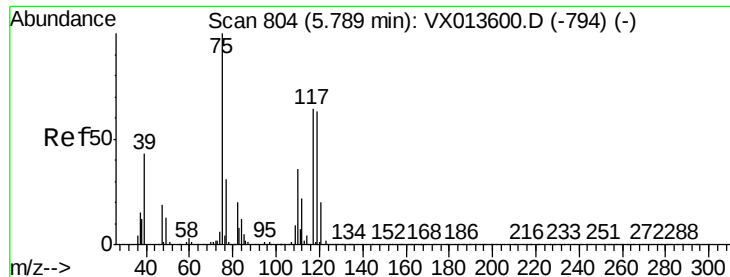
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



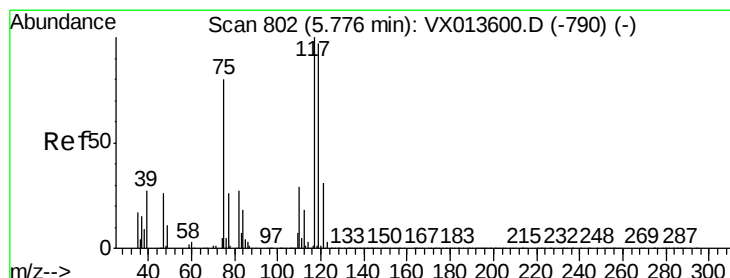
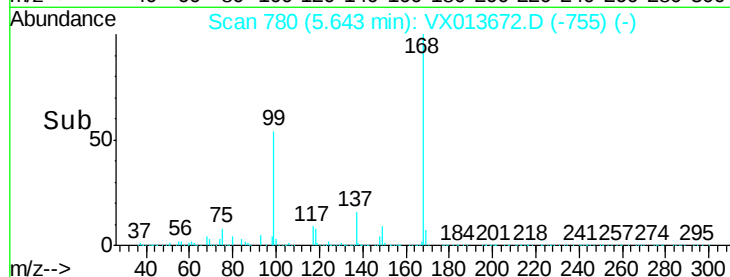
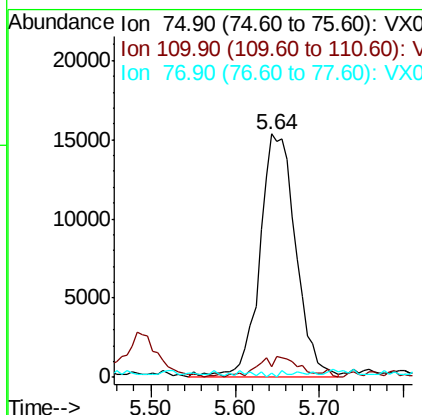
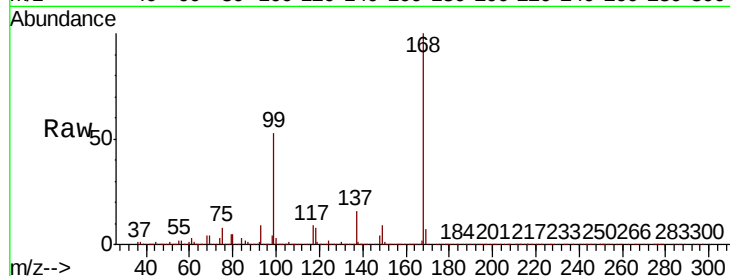
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

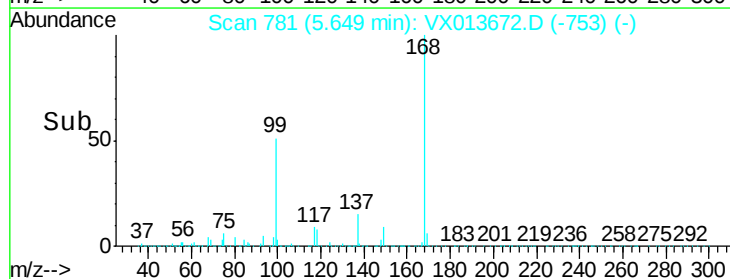
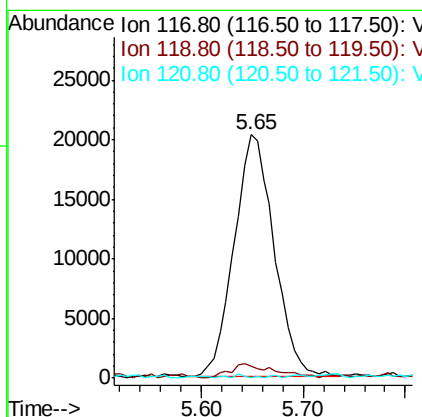
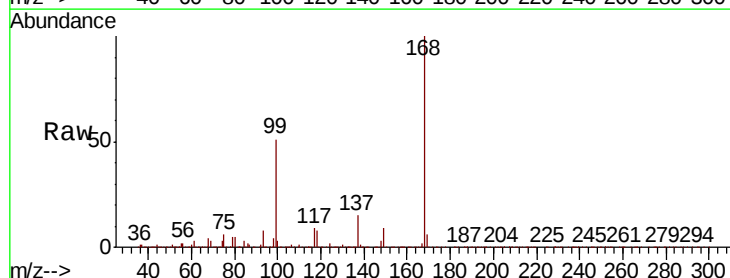
Instrument :
 MSVOA_X
 ClientSampleId :

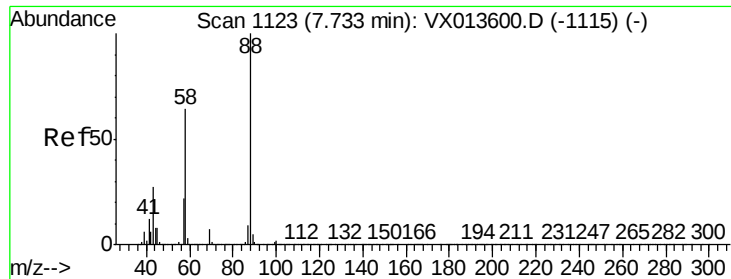
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.0	18.1	54.1#
77	0.9	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.406 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.5	116.3#
121	0.0	25.0	37.6#





#49

1,4-Dioxane

Concen: 2.165 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

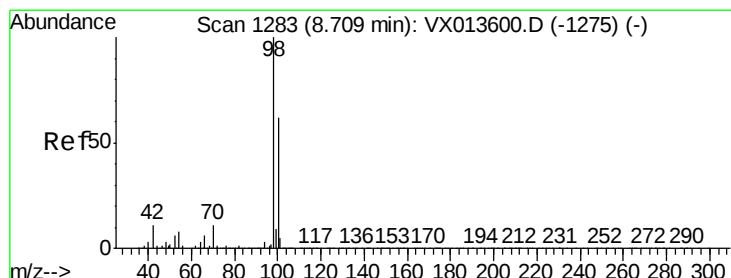
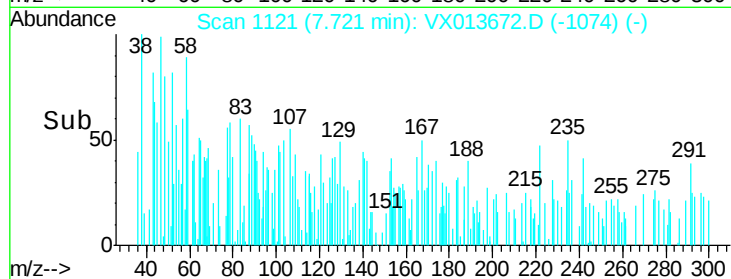
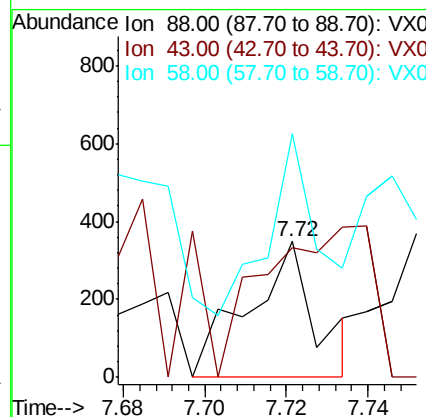
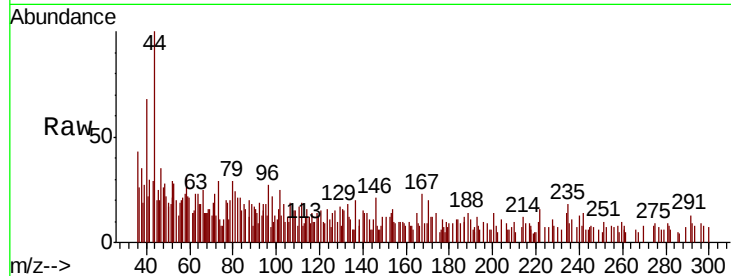
Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 404

Ion	Ratio	Lower	Upper
88	100		
43	176.5	25.8	38.6#
58	116.1	54.6	82.0#



#50

Toluene-d8

Concen: 49.371 ug/l

RT: 8.71 min Scan# 1283

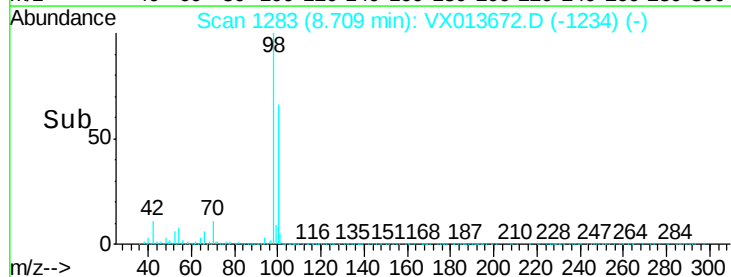
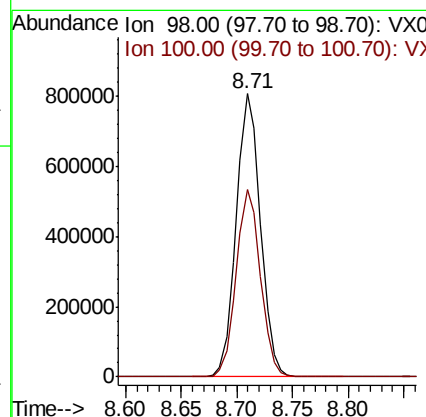
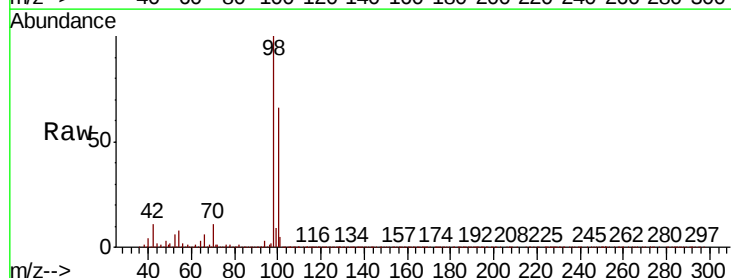
Delta R.T. 0.00 min

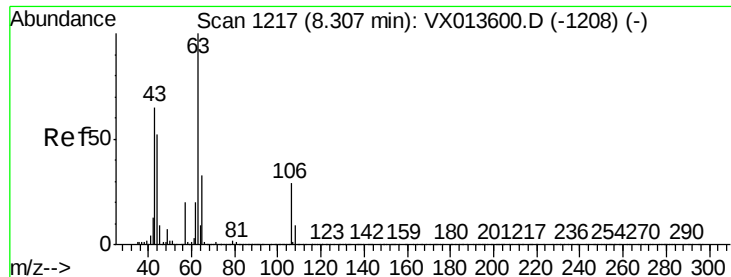
Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Tgt Ion: 98 Resp: 1217272

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7

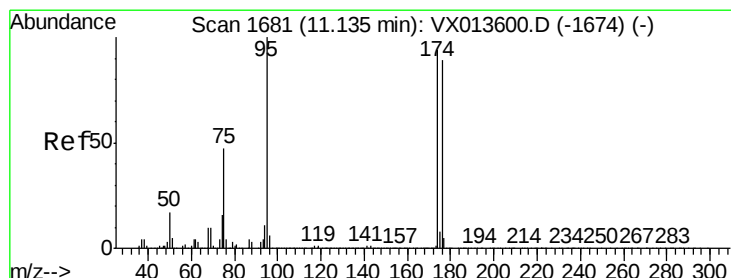
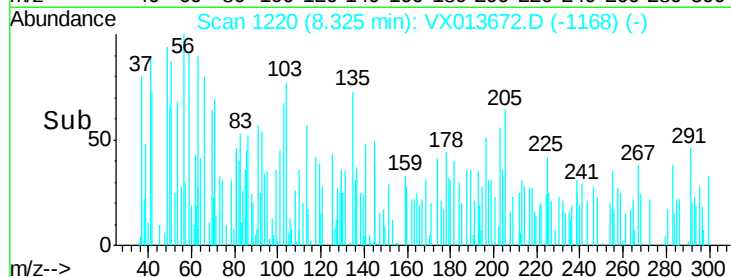
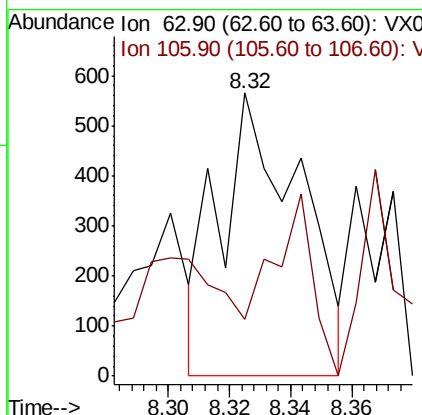
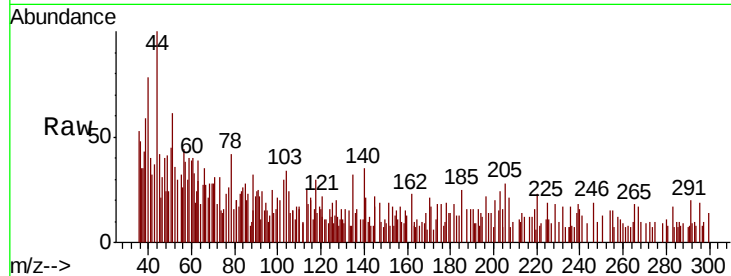




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.232 ug/l
 RT: 8.32 min Scan# 1220
 Delta R.T. 0.02 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

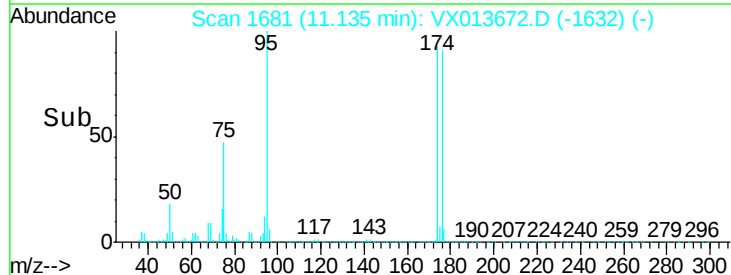
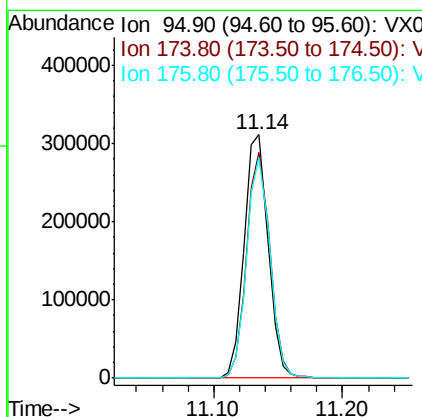
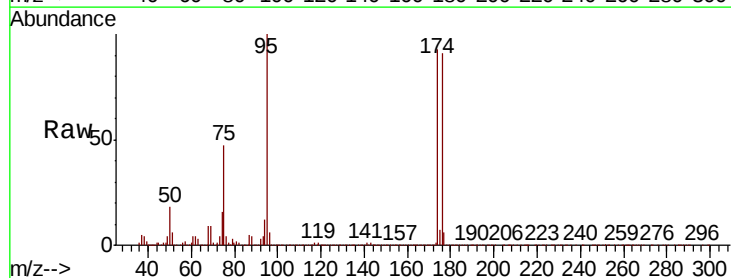
Instrument :
 MSVOA_X
 ClientSampleId :

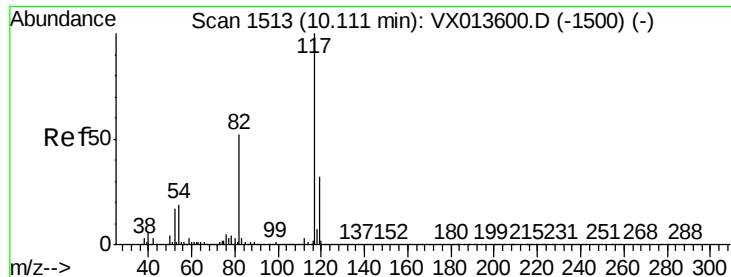
Tot Ion: 63 Resp: 1037
 Ion Ratio Lower Upper
 63 100
 106 32.9 23.4 35.0



#62
 4-Bromofluorobenzene
 Concen: 45.000 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013672.D
 Acq: 28 Nov 2019 00:01

Tgt Ion: 95 Resp: 400090
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 180.0
 176 87.5 0.0 173.6

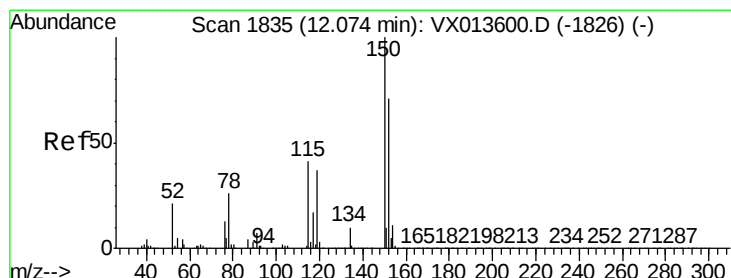
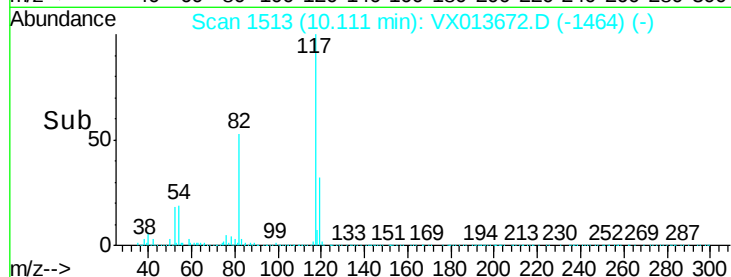
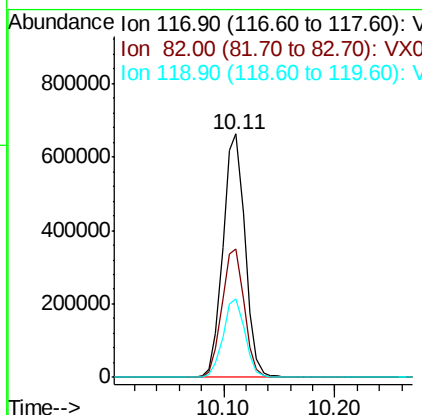
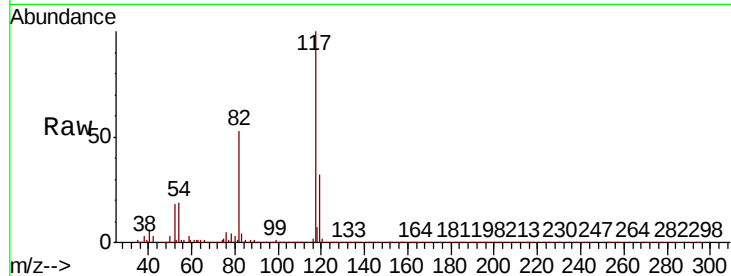




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

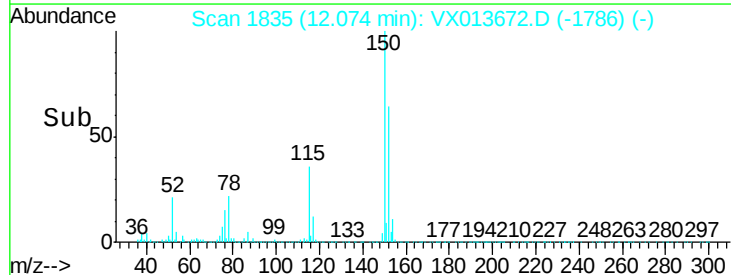
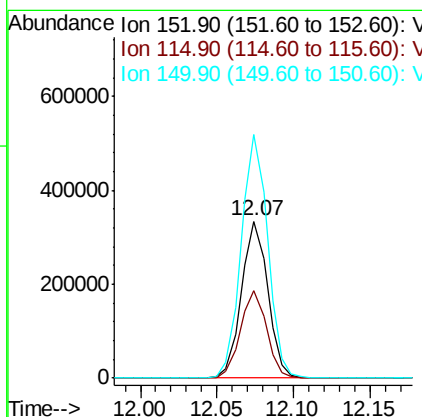
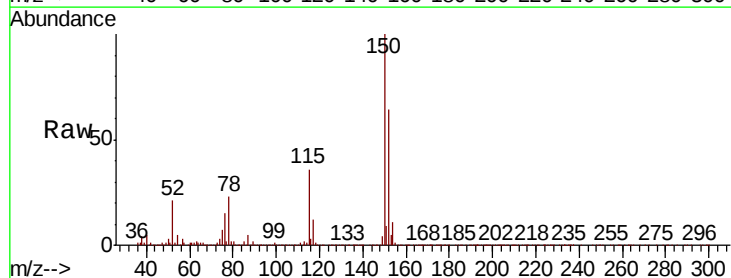
Instrument :
MSVOA_X
ClientSampleId :

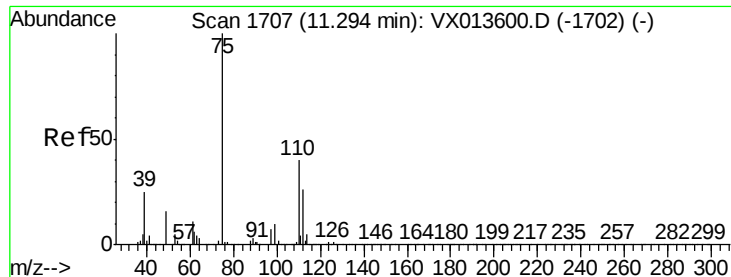
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.2	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013672.D
Acq: 28 Nov 2019 00:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	156.0	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 21.716 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

Instrument :

MSVOA_X

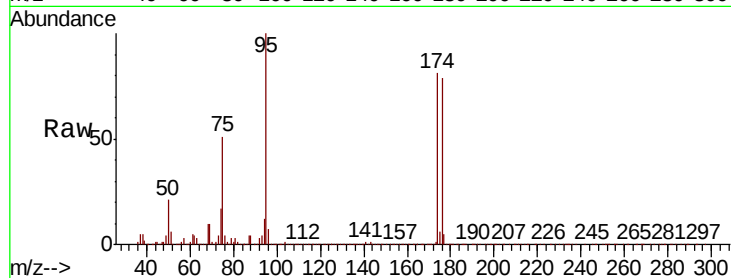
ClientSampleId :

Tot Ion: 75 Resp: 194883

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

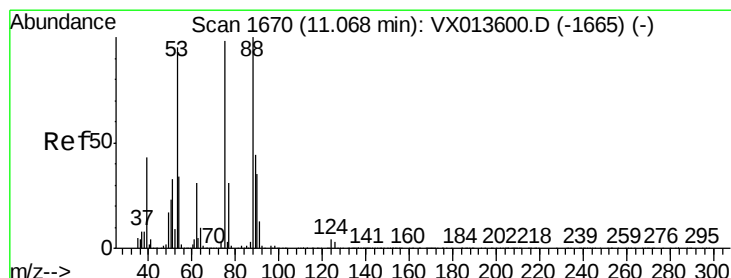
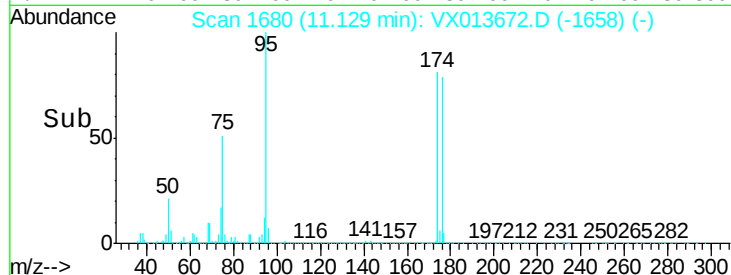
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.411 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013672.D

Acq: 28 Nov 2019 00:01

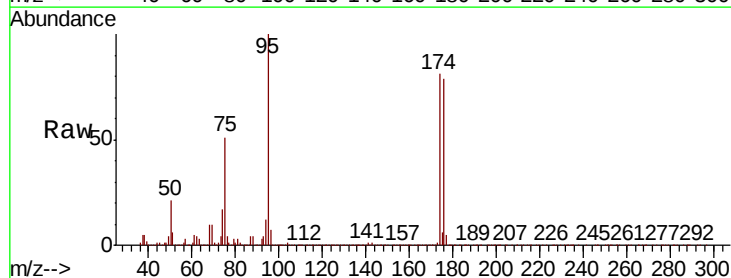
Tgt Ion: 75 Resp: 194883

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.2 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

200000

150000

100000

50000

0

Time-->

