

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012839.D
 Acq On : 07 Oct 2019 15:36
 Operator : JC/SP
 Sample : K5154-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

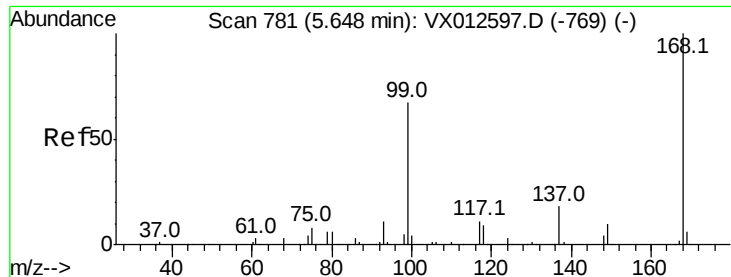
Quant Time: Oct 08 11:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	315453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96767	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	121764	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
35) Dibromofluoromethane	5.49	113	92961	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	369337	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	120539	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	422	0.448	ug/l	82
6) Chloroethane	1.65	64	4005	2.479	ug/l #	67
10) Methyl Iodide	2.50	142	211	5.041	ug/l #	62
11) Tert butyl alcohol	3.02	59	232	0.342	ug/l #	72
13) Acrolein	2.29	56	25	10.296	ug/l #	1
16) Acetone	2.42	43	570	0.396	ug/l	99
31) Cyclohexane	5.65	56	4092	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15626	5.139	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19183	6.211	ug/l #	19
51) 4-Methyl-2-Pentanone	8.71	43	1663	0.453	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60374	23.586	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	60374	67.593	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012839.D

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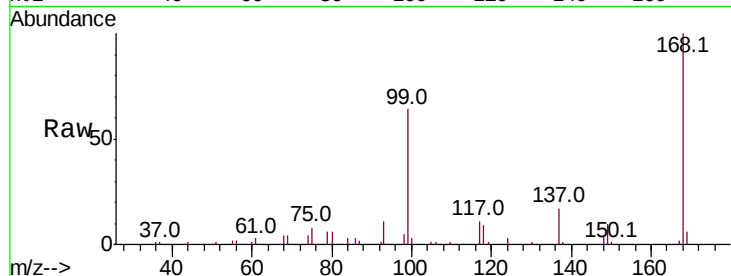
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 186659

Ion Ratio Lower Upper

168 100

99 63.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

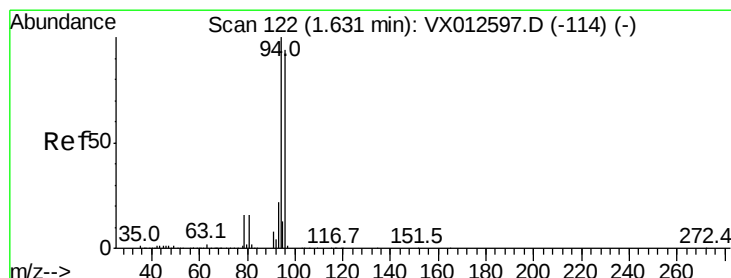
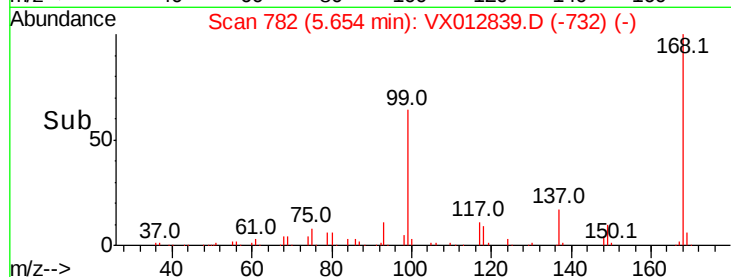
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.448 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012839.D

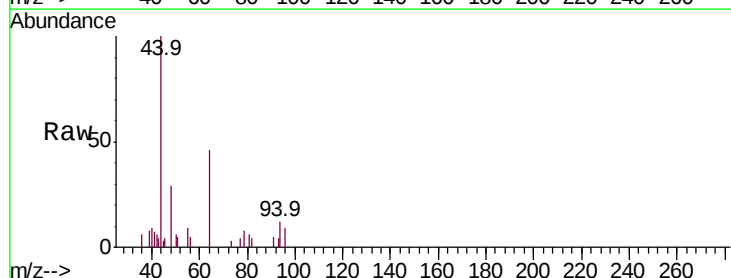
Acq: 07 Oct 2019 15:36

Tgt Ion: 94 Resp: 422

Ion Ratio Lower Upper

94 100

96 73.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

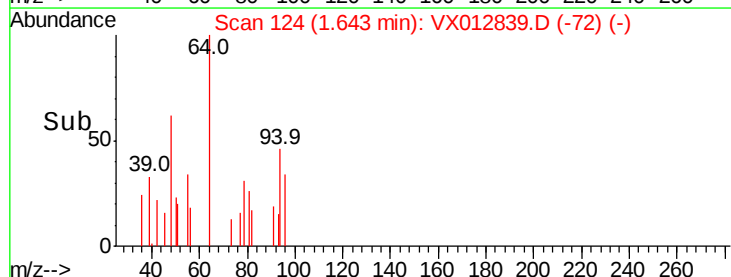
150

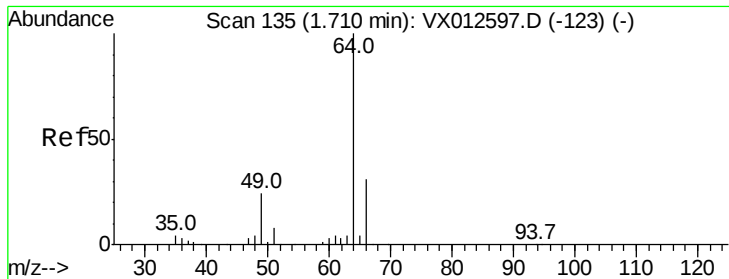
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.479 ug/l

RT: 1.65 min Scan# 125

Delta R.T. -0.06 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_X

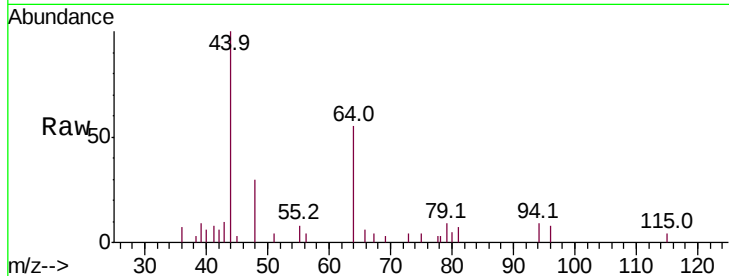
ClientSampleId :

Tot Ion: 64 Resp: 4005

Ion Ratio Lower Upper

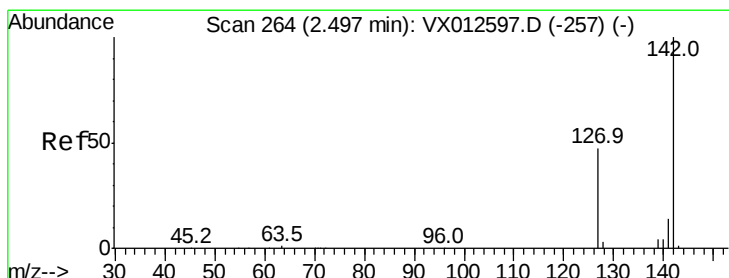
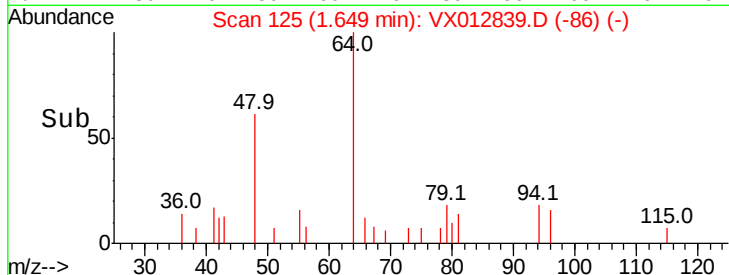
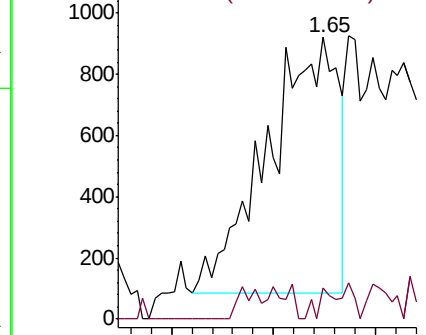
64 100

66 12.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.041 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

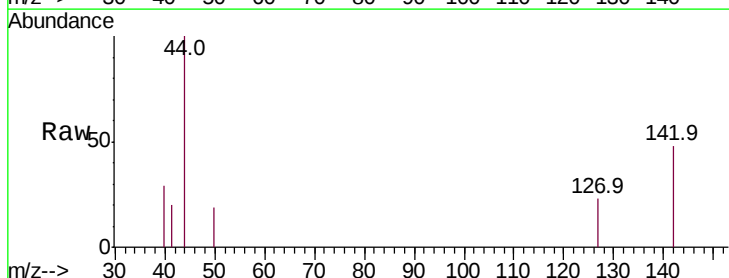
Tgt Ion: 142 Resp: 211

Ion Ratio Lower Upper

142 100

127 24.6 40.8 61.2#

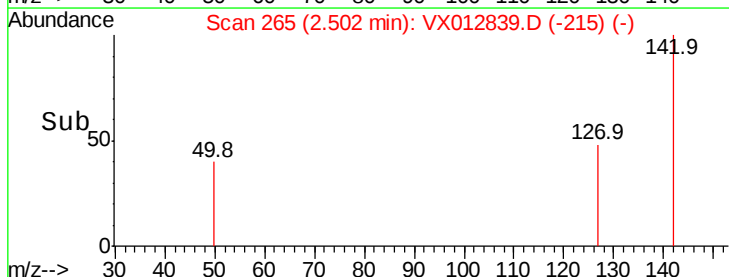
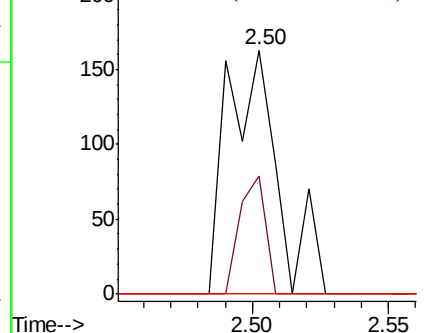
141 0.0 12.1 18.1#

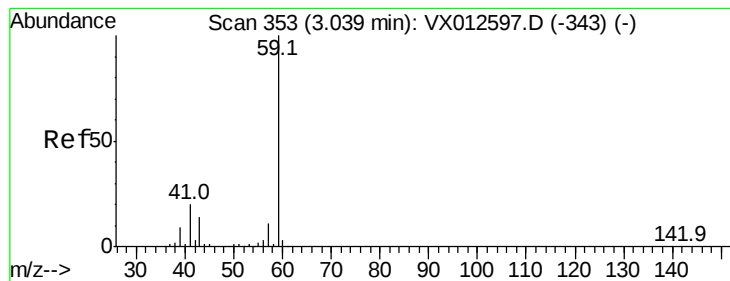


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



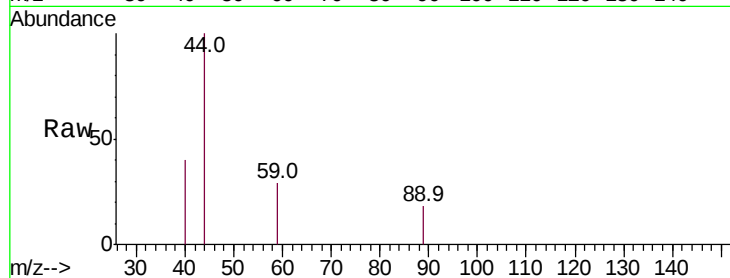


#11

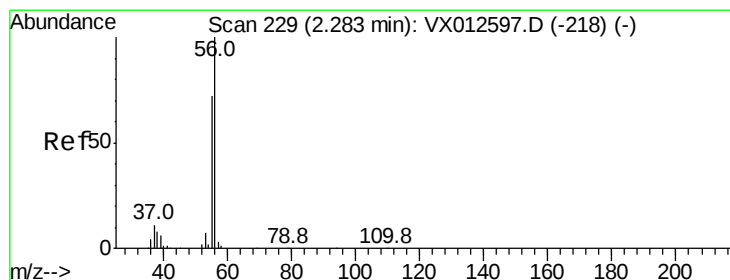
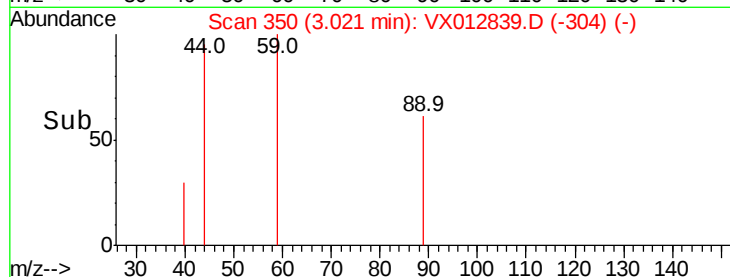
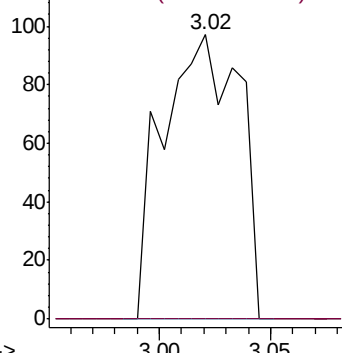
Tert butyl alcohol
 Concen: 0.342 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 232
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



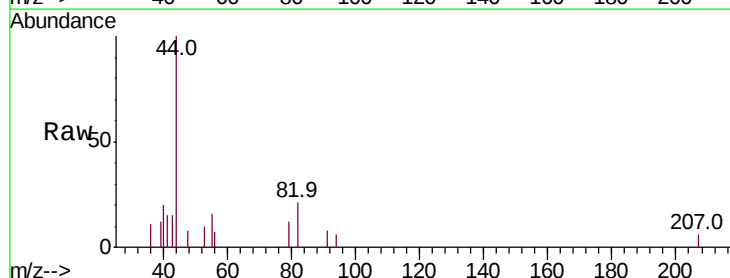
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



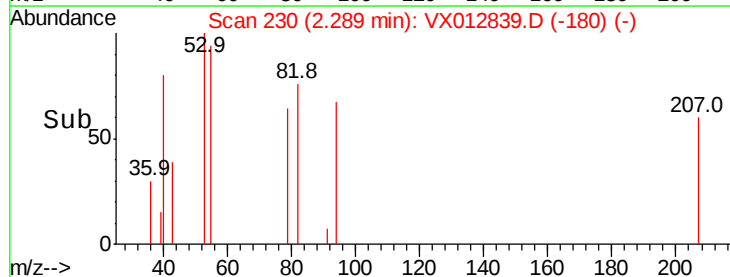
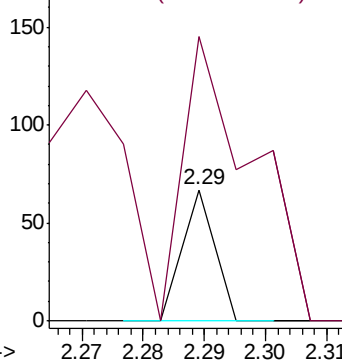
#13

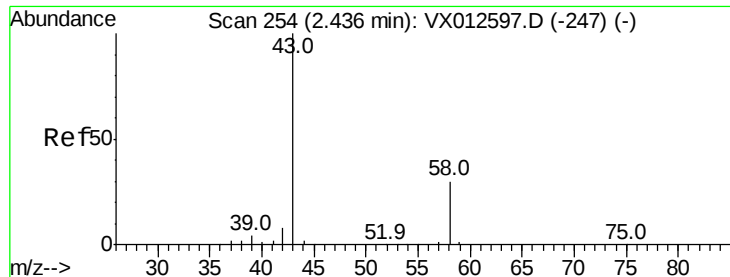
Acrolein
 Concen: 10.296 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 56 Resp: 25
 Ion Ratio Lower Upper
 56 100
 55 452.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.396 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

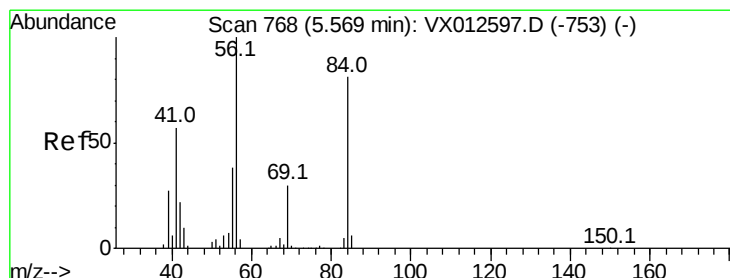
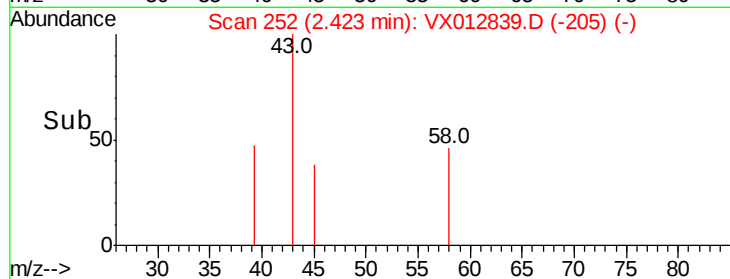
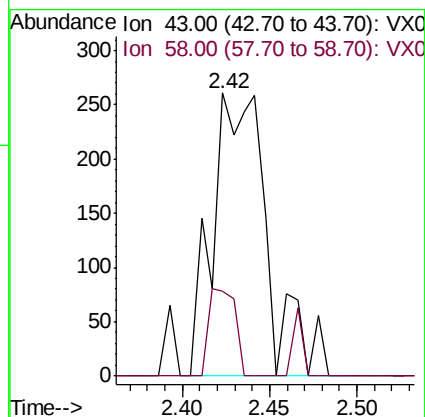
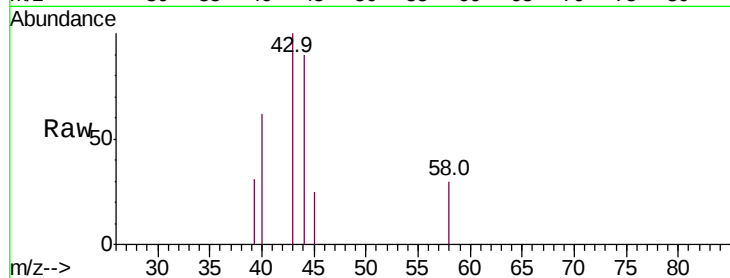
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

58 29.9 23.3 34.9



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

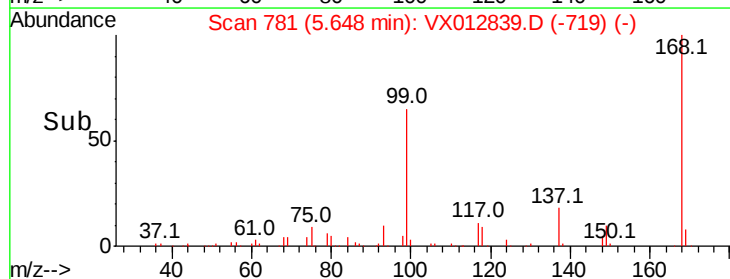
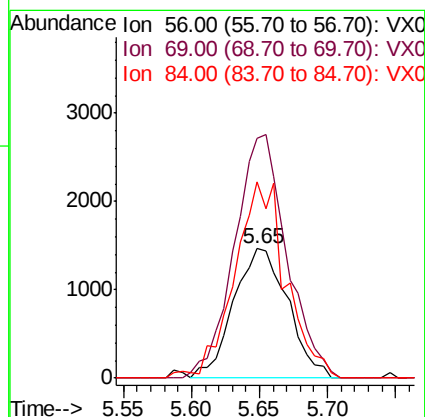
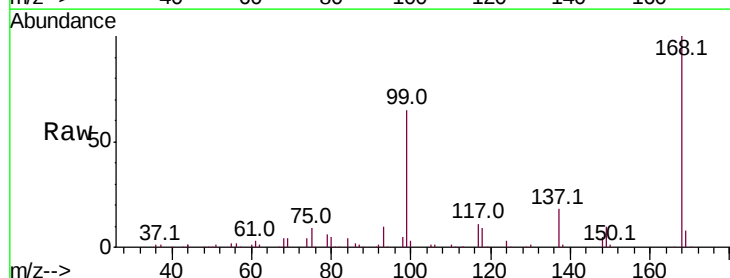
Tgt Ion: 56 Resp: 4092

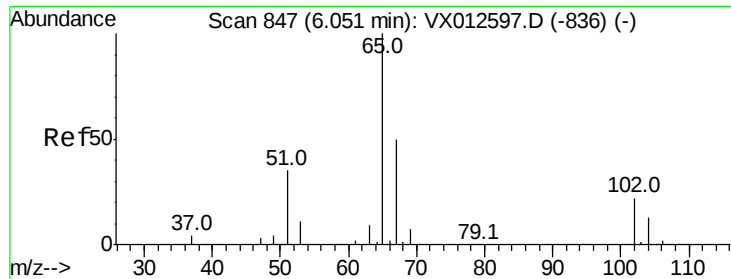
Ion Ratio Lower Upper

56 100

69 185.6 25.0 37.6#

84 151.7 66.4 99.6#

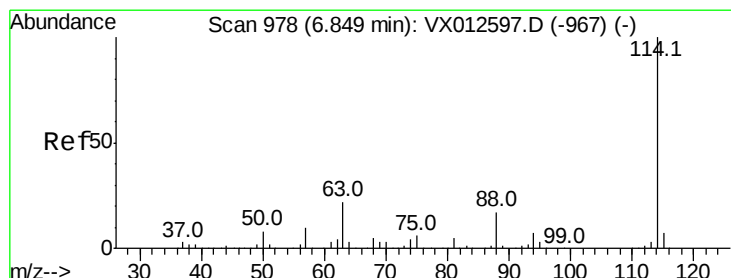
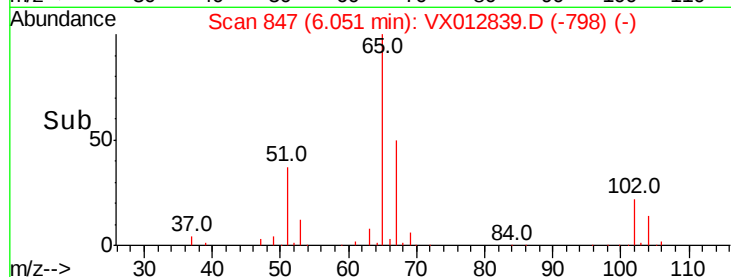
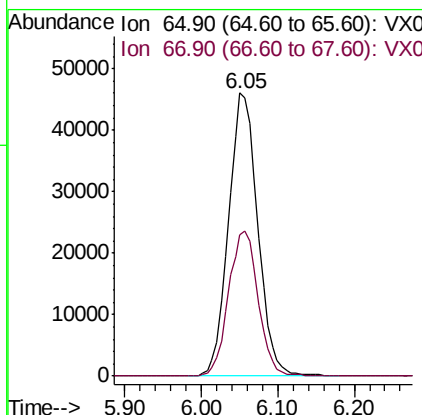
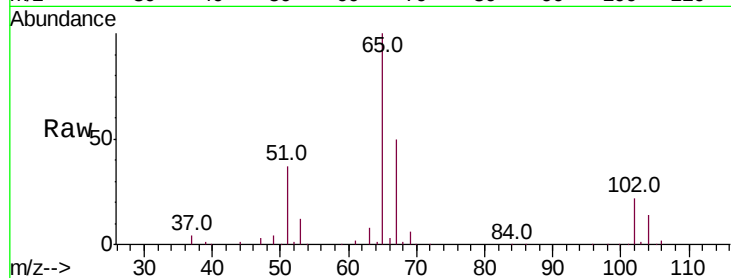




#33
 1,2-Dichloroethane-d4
 Concen: 44.797 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

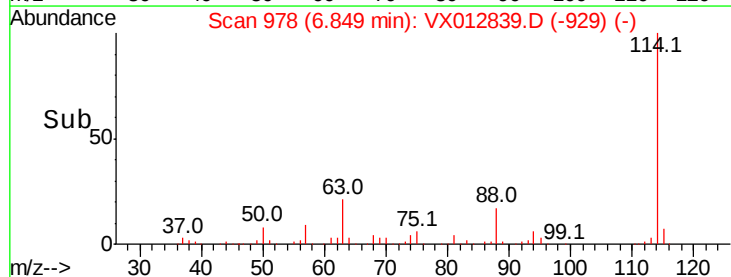
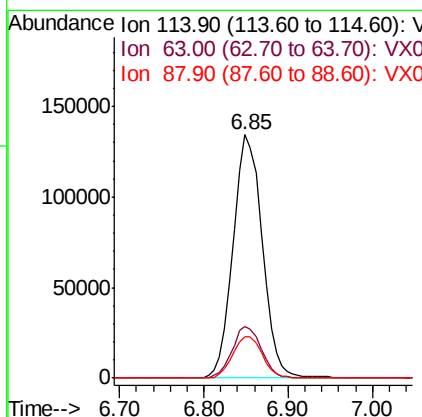
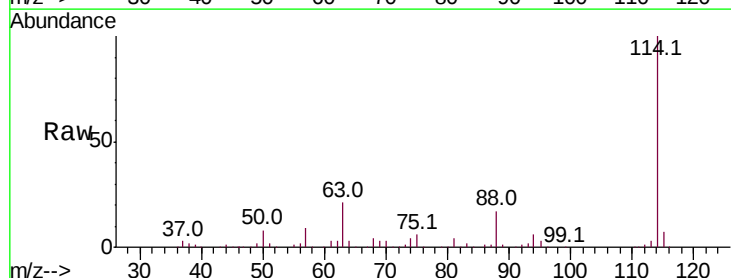
Instrument :
 MSVOA_X
 ClientSampled :

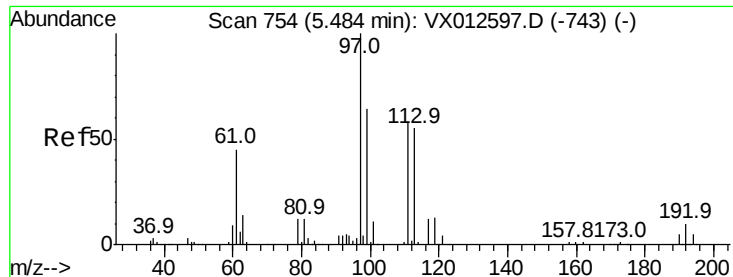
Tot Ion: 65 Resp: 121764
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 114 Resp: 315453
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 17.1 0.0 33.2

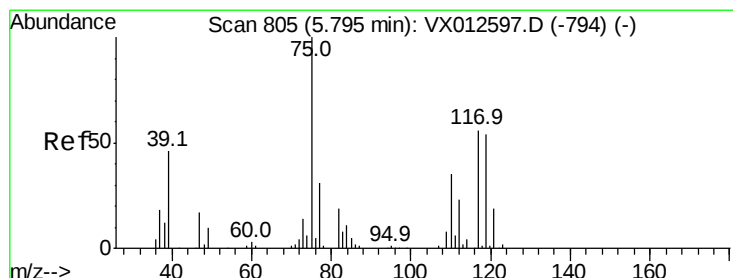
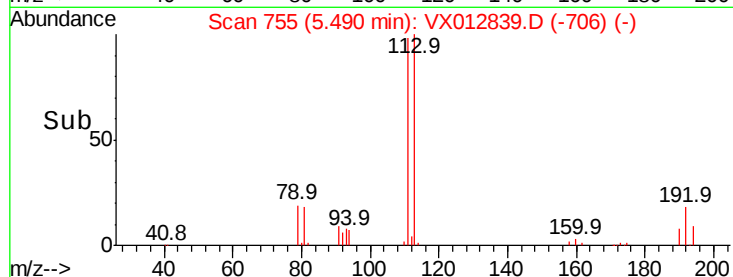
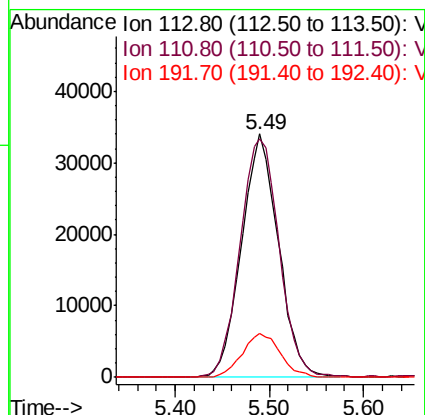
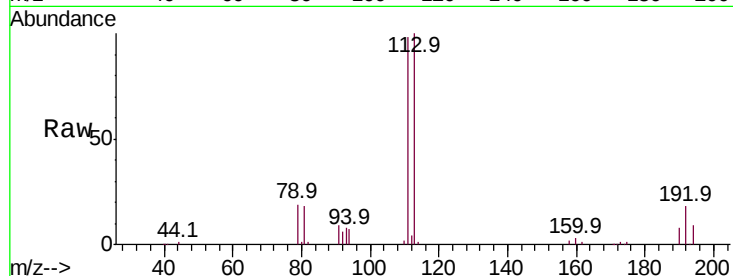




#35
 Dibromofluoromethane
 Concen: 49.483 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

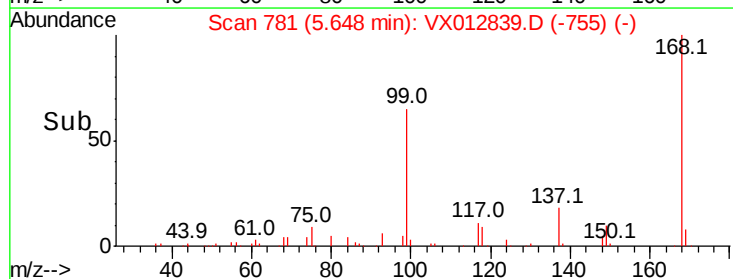
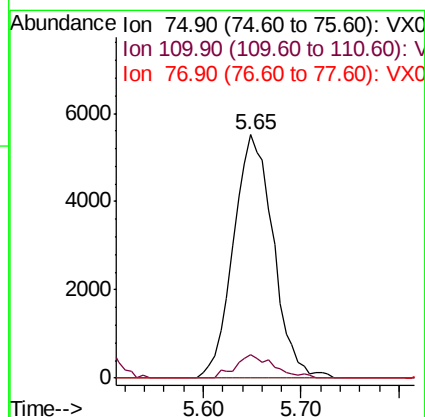
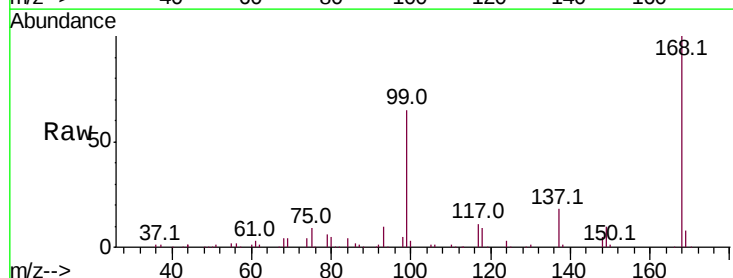
Instrument :
 MSVOA_X
 ClientSampleId :

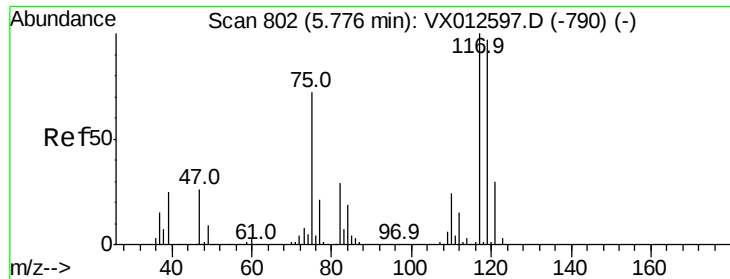
Tot Ion:113 Resp: 92961
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 18.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.139 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012839.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 75 Resp: 15626
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.7 50.0#
 77 0.0 24.2 36.2#

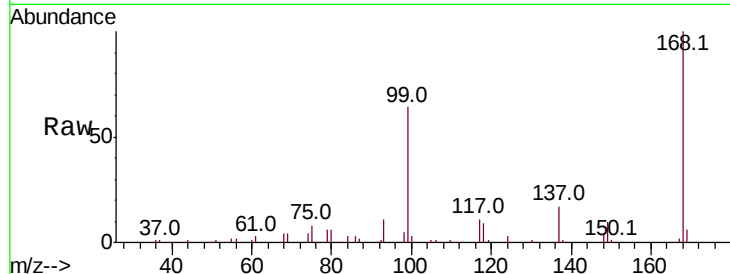




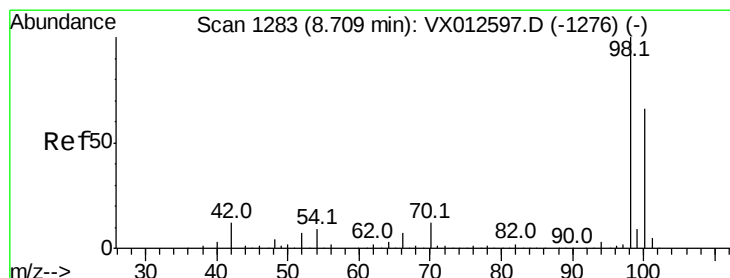
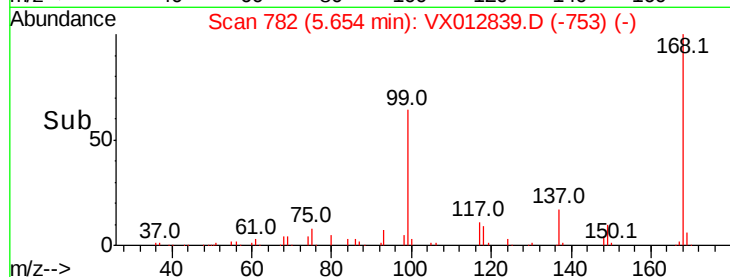
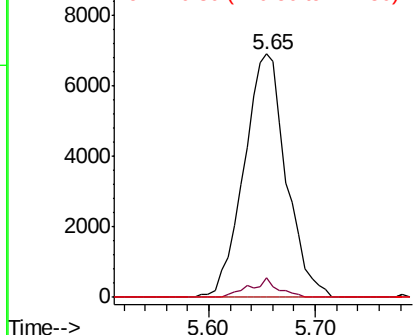
#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012839.D
Acq: 07 Oct 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 19183
Ion Ratio Lower Upper
117 100
119 7.8 75.7 113.5#
121 0.0 24.2 36.4#

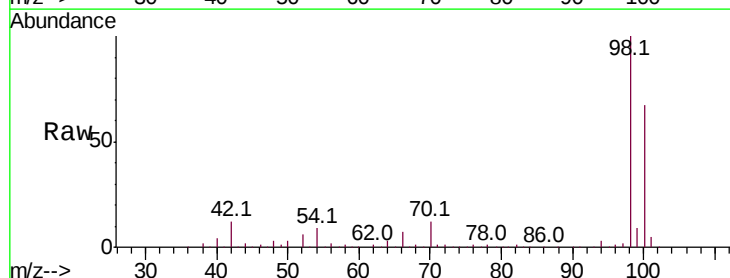


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

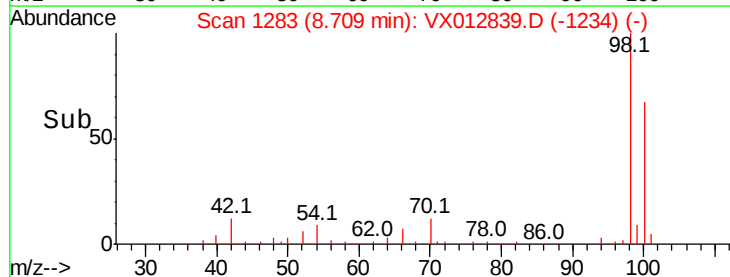
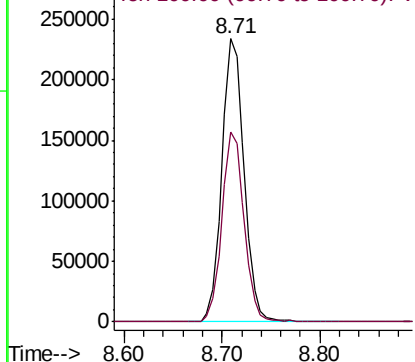


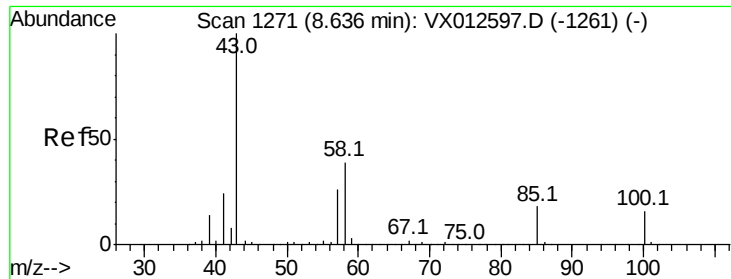
#50
Toluene-d8
Concen: 51.050 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012839.D
Acq: 07 Oct 2019 15:36

Tgt Ion: 98 Resp: 369337
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.453 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_X

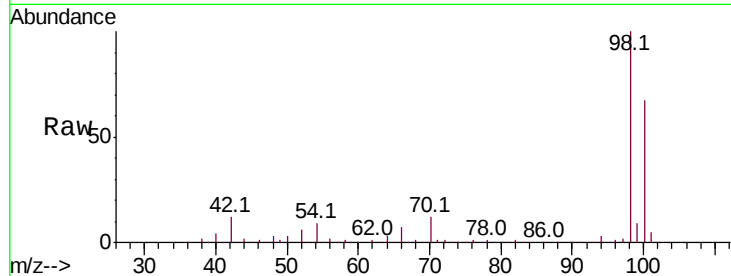
ClientSampleId :

Tot Ion: 43 Resp: 1663

Ion Ratio Lower Upper

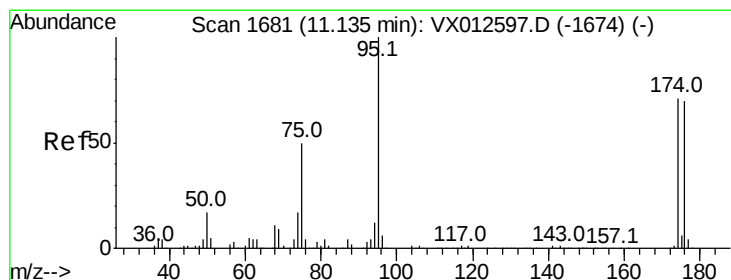
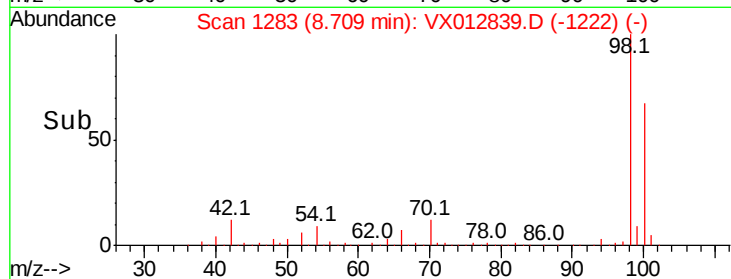
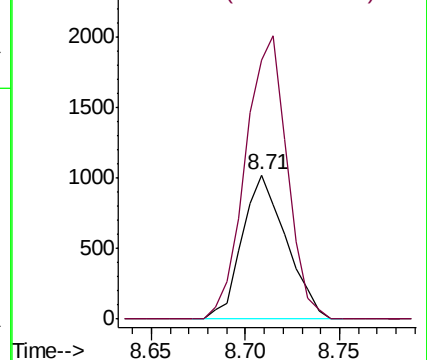
43 100

58 185.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.372 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

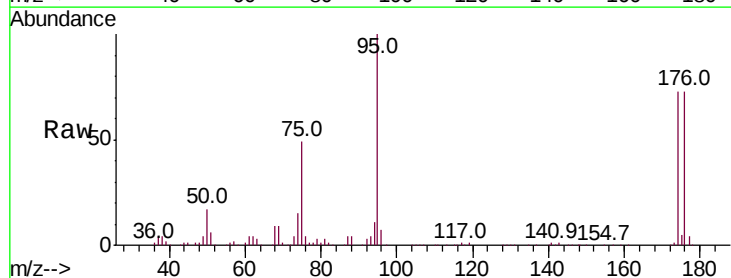
Tgt Ion: 95 Resp: 120539

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

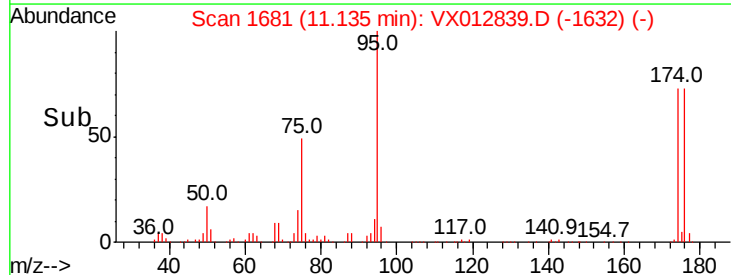
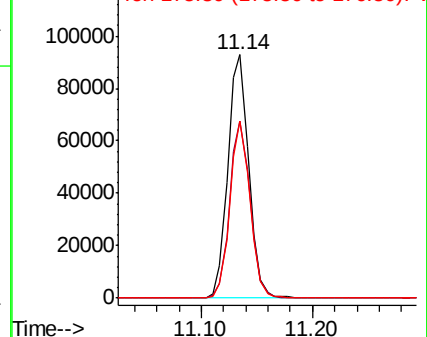
176 69.8 0.0 135.4

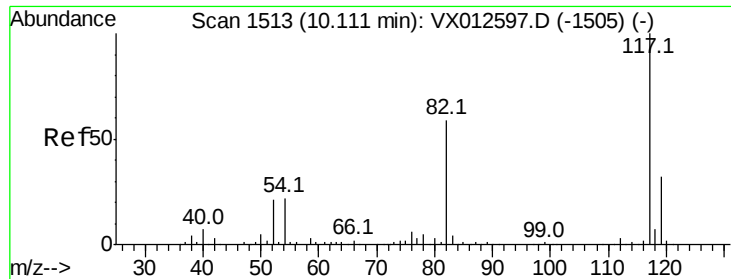


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

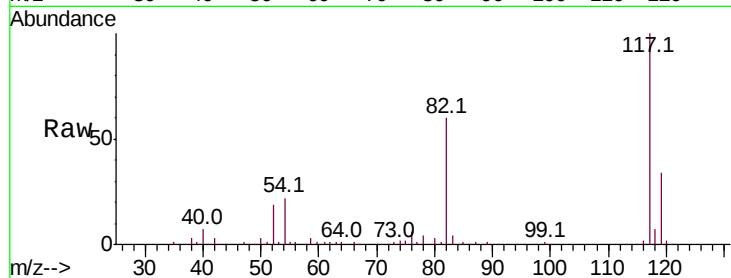




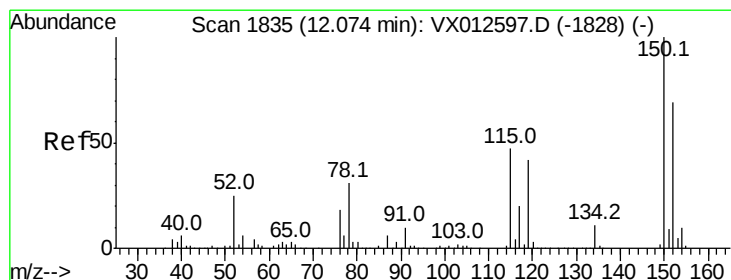
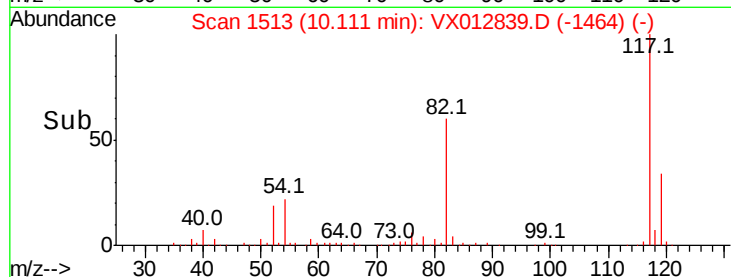
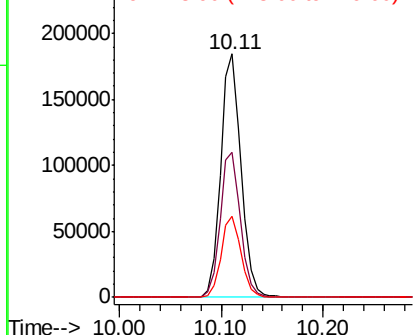
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012839.D
Acq: 07 Oct 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 256736
Ion Ratio Lower Upper
117 100
82 59.5 45.9 68.9
119 33.5 25.3 37.9

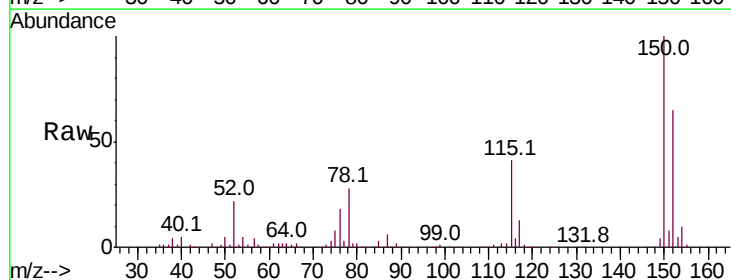


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

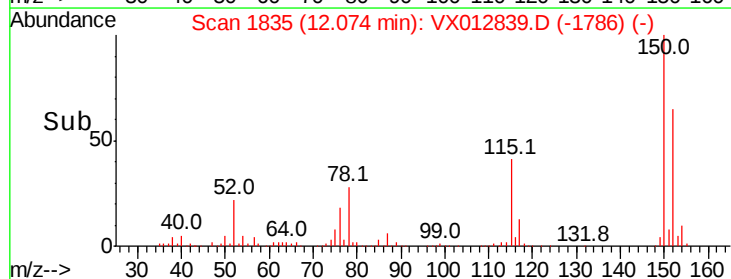
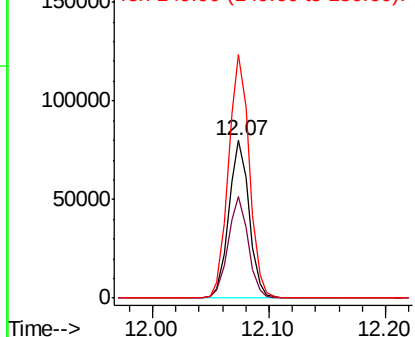


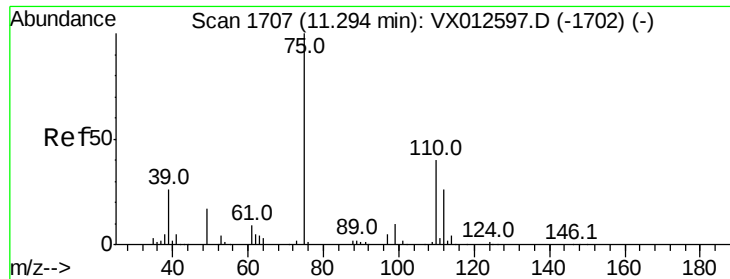
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012839.D
Acq: 07 Oct 2019 15:36

Tgt Ion:152 Resp: 96767
Ion Ratio Lower Upper
152 100
115 63.7 44.1 132.3
150 158.0 0.0 343.8



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: 23.586 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_X

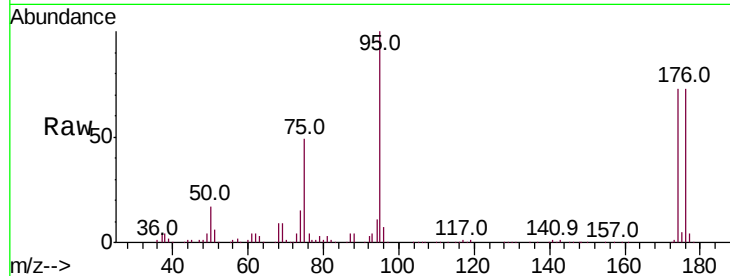
ClientSampled :

Tot Ion: 75 Resp: 60374

Ion Ratio Lower Upper

75 100

77 1.0 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

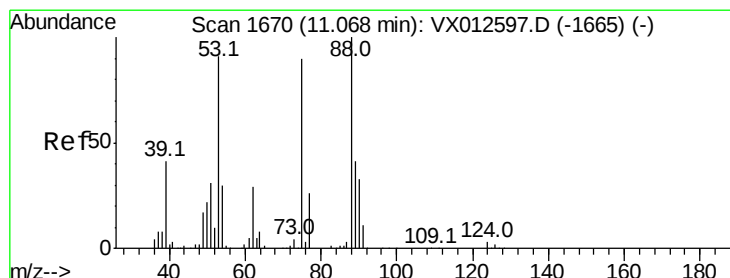
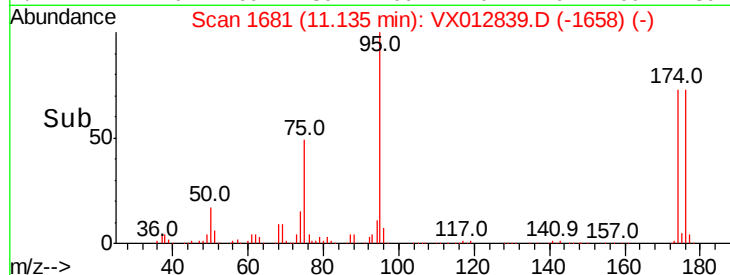
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 67.593 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012839.D

Acq: 07 Oct 2019 15:36

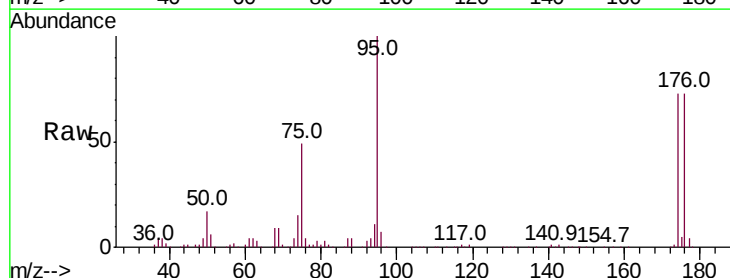
Tgt Ion: 75 Resp: 60374

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

60000

50000

40000

30000

20000

10000

0

Time-->

