

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012861.D
 Acq On : 08 Oct 2019 01:19
 Operator : JC/SP
 Sample : K5232-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1CSS-TB1

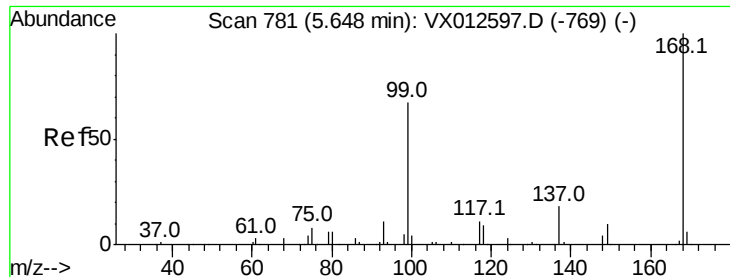
Quant Time: Oct 08 11:16:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105021	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	118584	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
35) Dibromofluoromethane	5.49	113	90752	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	362963	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.13	95	127655	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	453	0.498	ug/l	94
6) Chloroethane	1.75	64	340	0.218	ug/l #	82
10) Methyl Iodide	2.51	142	216	5.046	ug/l #	55
11) Tert butyl alcohol	3.01	59	4311	6.572	ug/l #	72
13) Acrolein	2.28	56	34	10.322	ug/l #	1
16) Acetone	2.42	43	318	0.229	ug/l #	46
20) Methylene Chloride	2.85	84	553	0.235	ug/l #	81
31) Cyclohexane	5.65	56	3977	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13951	4.690	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18951	6.271	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	62468	22.486	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	62468	64.440	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

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MSVOA_X

ClientSampleId :

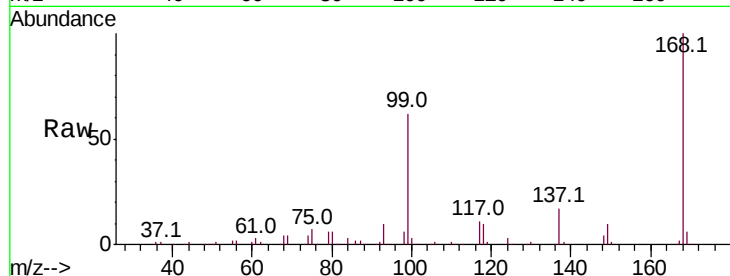
FA19-GMZ1CSS-TB1

Tot Ion:168 Resp: 180333

Ion Ratio Lower Upper

168 100

99 61.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): VX012597.D (-769) (-)

Ion 98.90 (98.60 to 99.60): VX012597.D (-769) (-)

5.65

60000

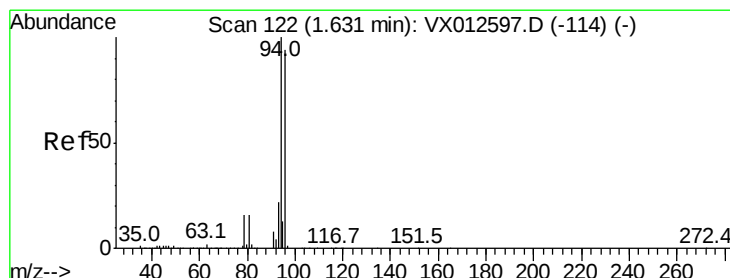
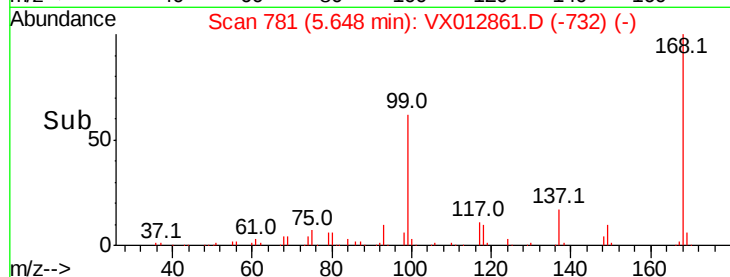
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.498 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012861.D

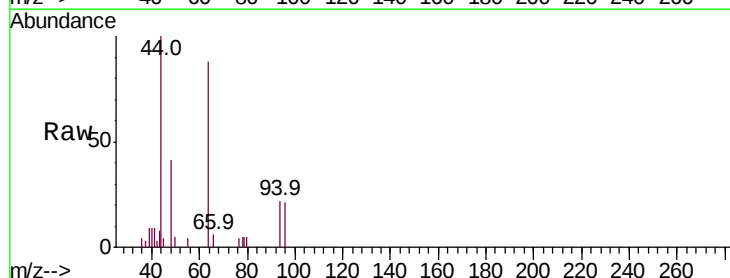
Acq: 08 Oct 2019 01:19

Tgt Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 96.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX012597.D (-114) (-)

Ion 95.90 (95.60 to 96.60): VX012597.D (-114) (-)

1.64

400

300

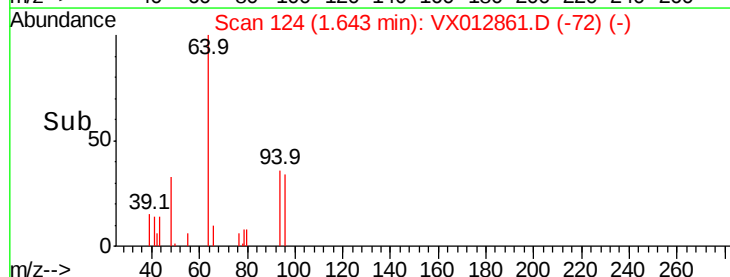
200

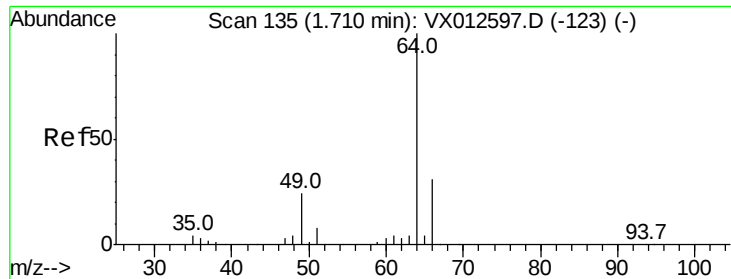
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.218 ug/l

RT: 1.75 min Scan# 142

Delta R.T. 0.04 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

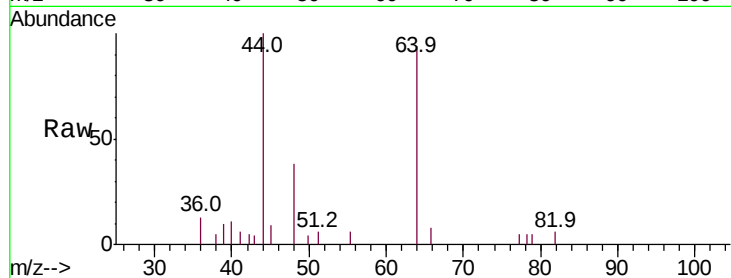
FA19-GMZ1CSS-TB1

Tot Ion: 64 Resp: 340

Ion Ratio Lower Upper

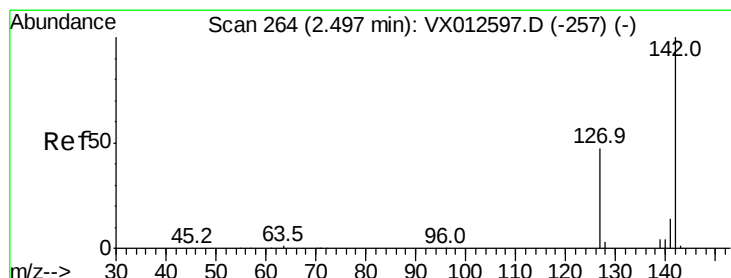
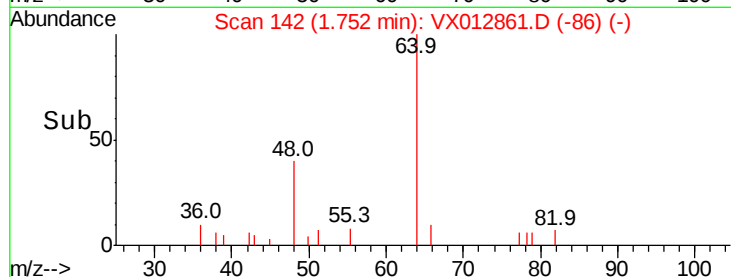
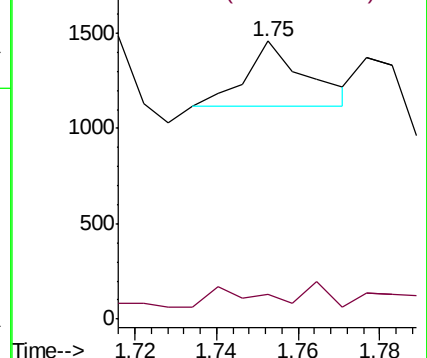
64 100

66 20.1 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: 5.046 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

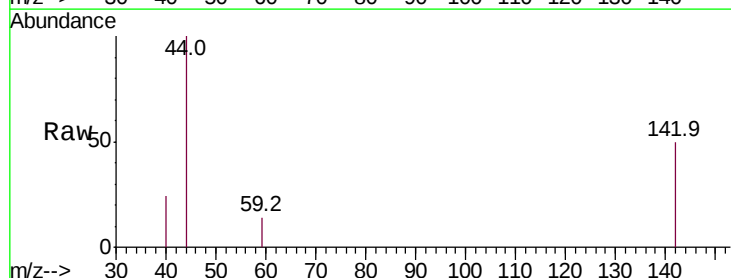
Tgt Ion: 142 Resp: 216

Ion Ratio Lower Upper

142 100

127 17.6 40.8 61.2#

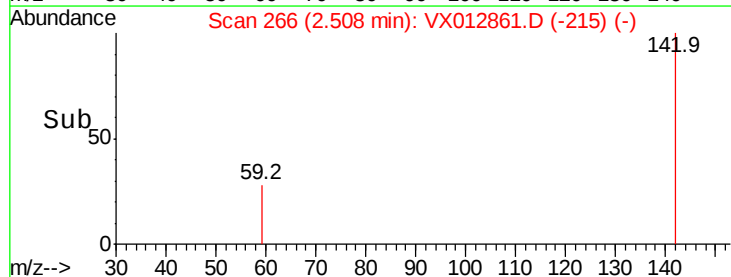
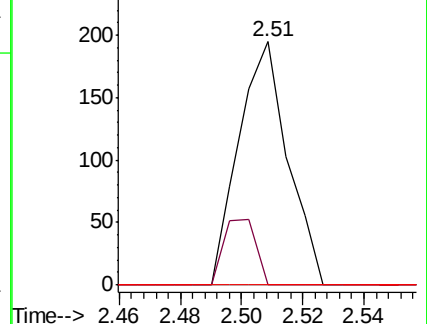
141 0.0 12.1 18.1#

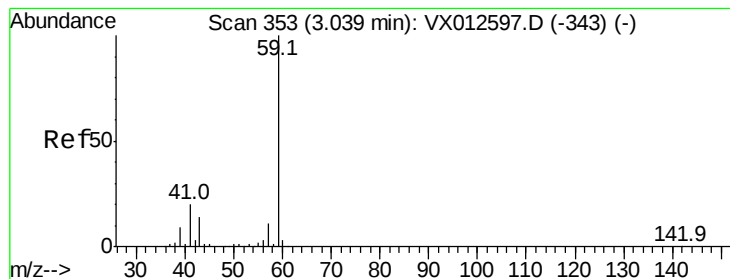


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



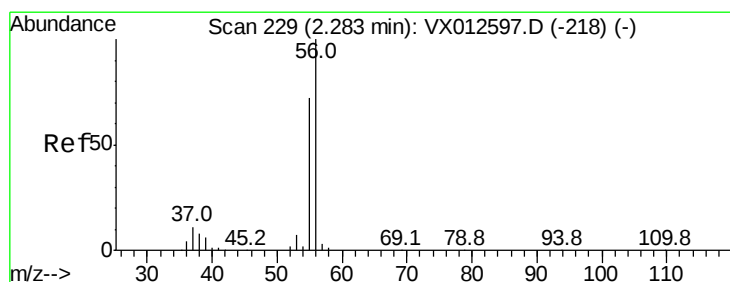
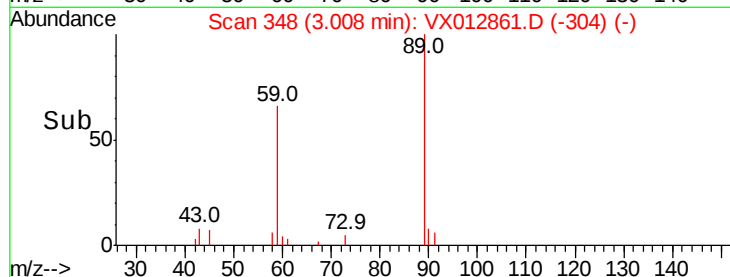
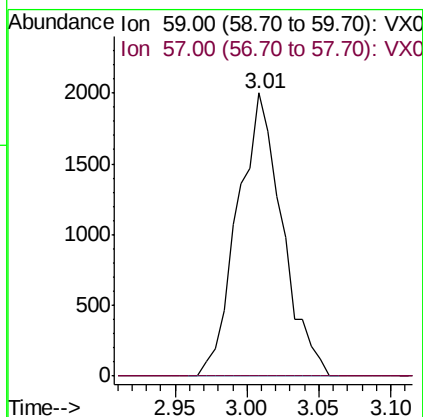
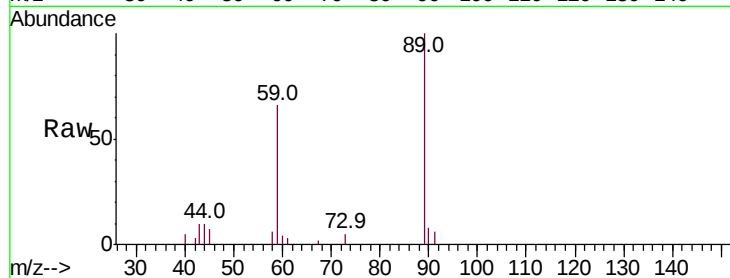


#11

Tert butyl alcohol
 Concen: 6.572 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012861.D
 Acq: 08 Oct 2019 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1CSS-TB1

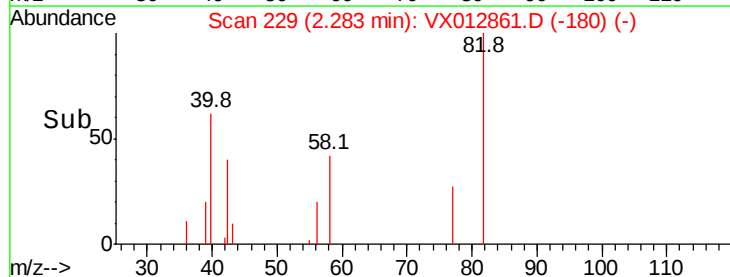
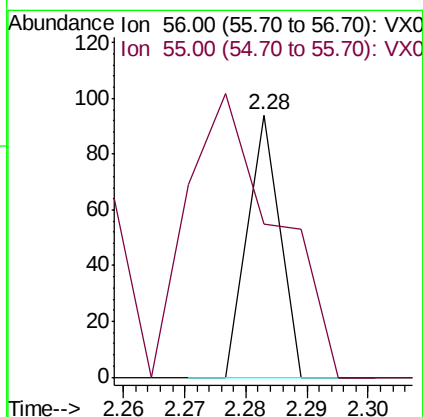
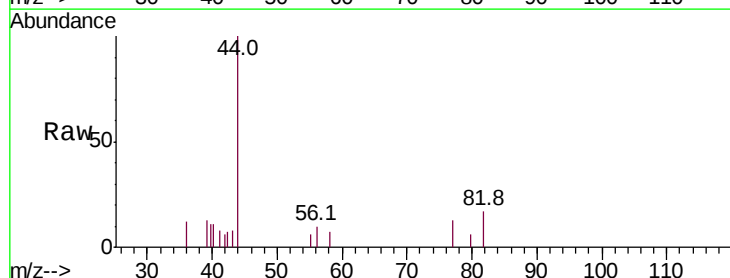
Tot Ion: 59 Resp: 4311
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

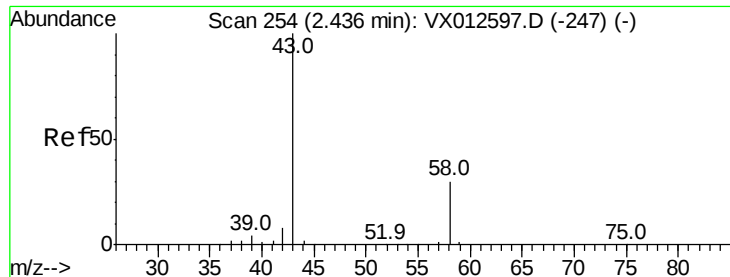


#13

Acrolein
 Concen: 10.322 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX012861.D
 Acq: 08 Oct 2019 01:19

Tgt Ion: 56 Resp: 34
 Ion Ratio Lower Upper
 56 100
 55 300.0 55.8 83.8#





#16

Acetone

Concen: 0.229 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

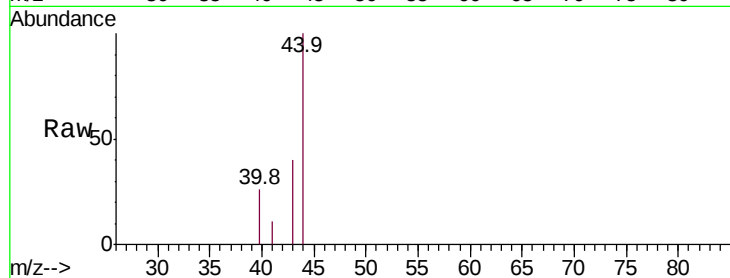
FA19-GMZ1CSS-TB1

Tot Ion: 43 Resp: 318

Ion Ratio Lower Upper

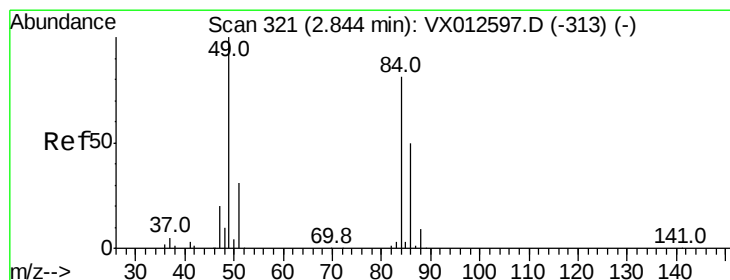
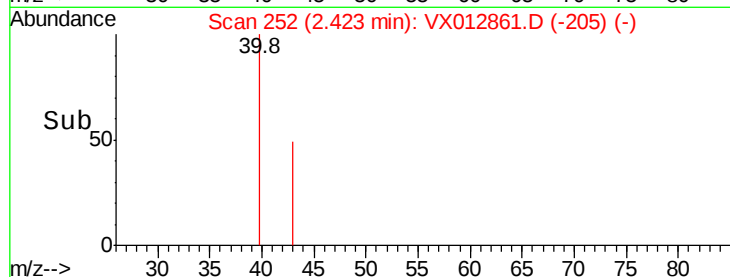
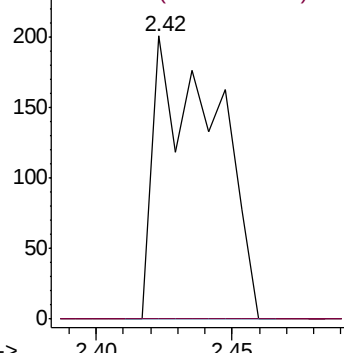
43 100

58 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Tgt Ion: 84 Resp: 553

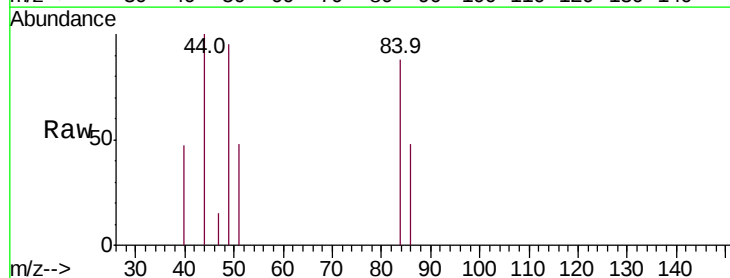
Ion Ratio Lower Upper

84 100

49 108.6 106.8 160.2

51 55.1 32.3 48.5#

86 54.8 51.3 76.9

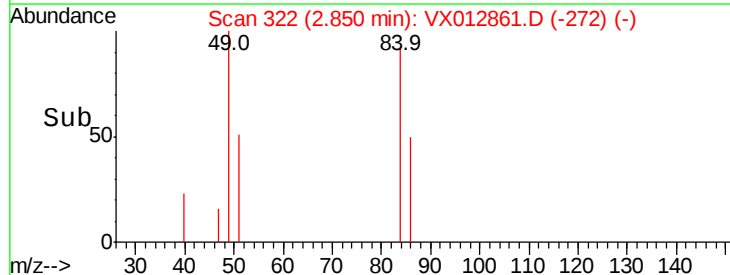
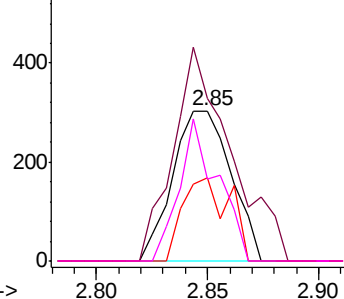


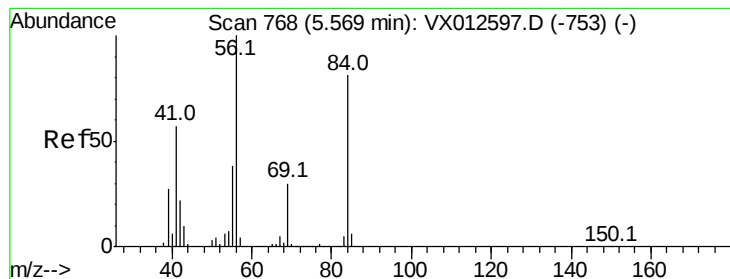
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1CSS-TB1

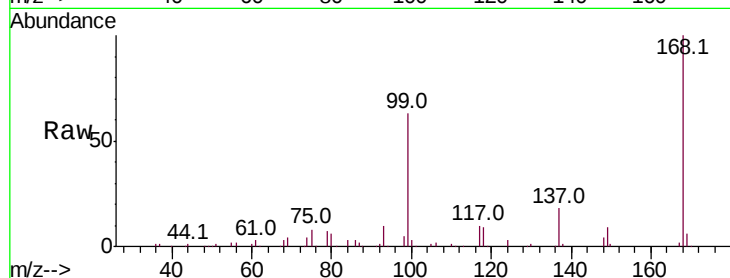
Tot Ion: 56 Resp: 3977

Ion Ratio Lower Upper

56 100

69 175.9 25.0 37.6#

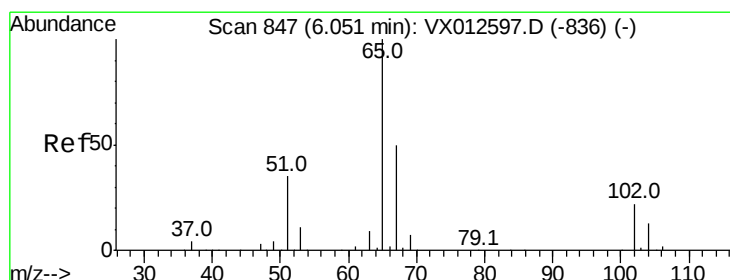
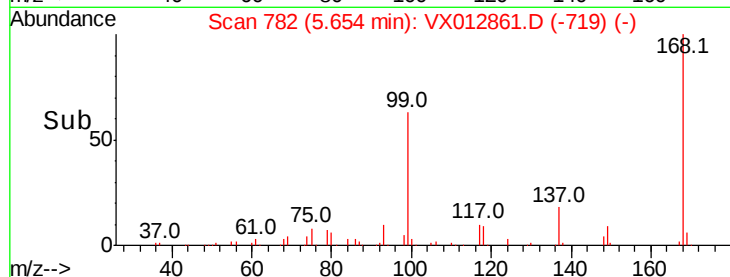
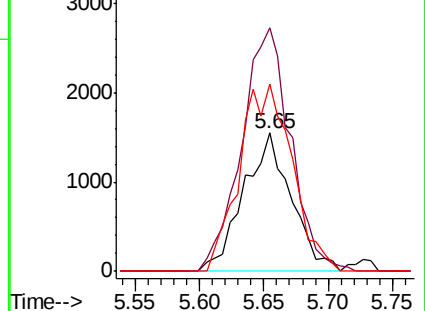
84 135.7 66.4 99.6#



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



#33

1,2-Dichloroethane-d4

Concen: 45.158 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012861.D

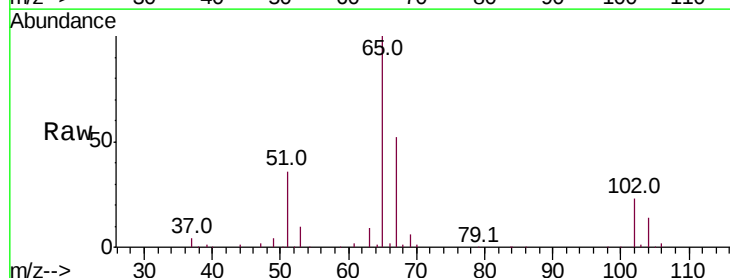
Acq: 08 Oct 2019 01:19

Tgt Ion: 65 Resp: 118584

Ion Ratio Lower Upper

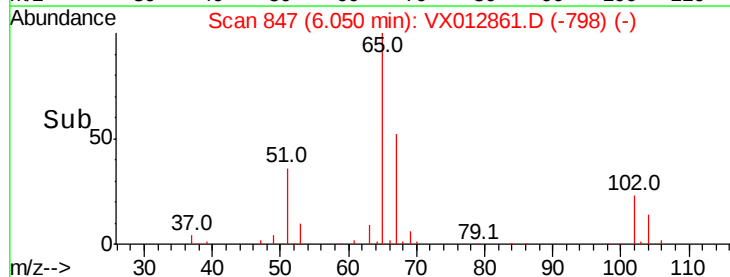
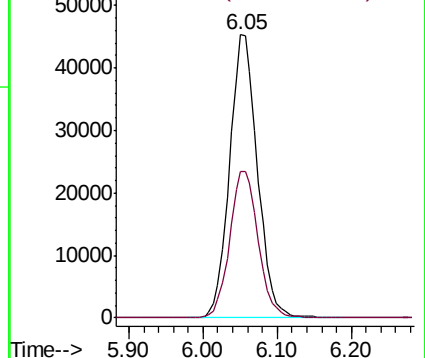
65 100

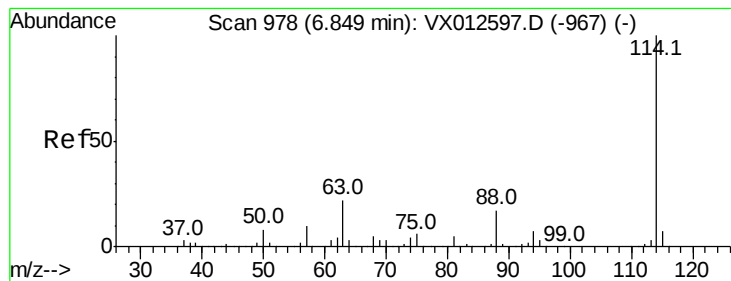
67 52.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1CSS-TB1

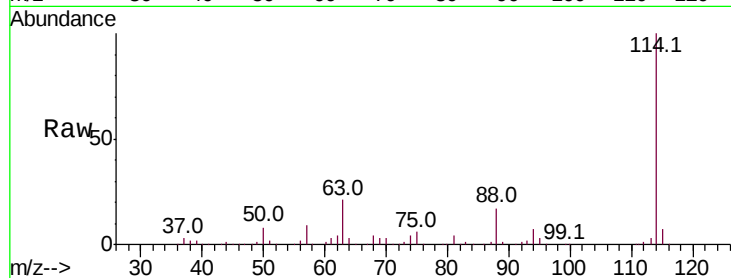
Tot Ion:114 Resp: 308638

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

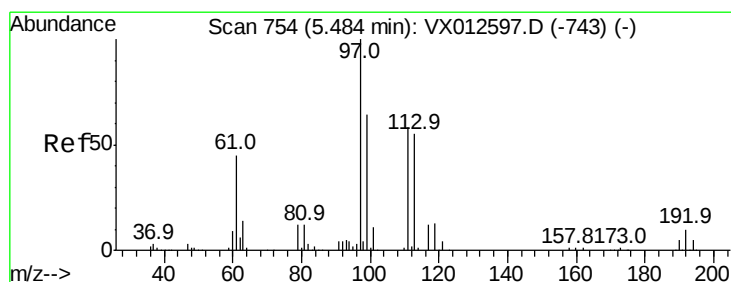
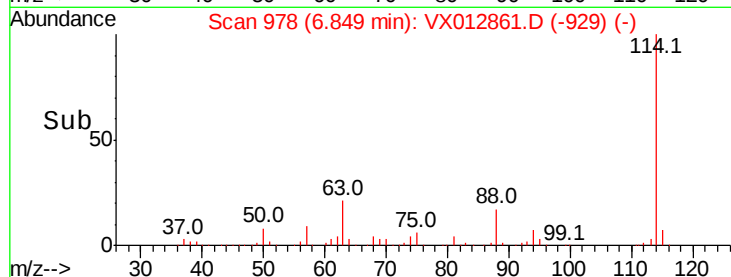
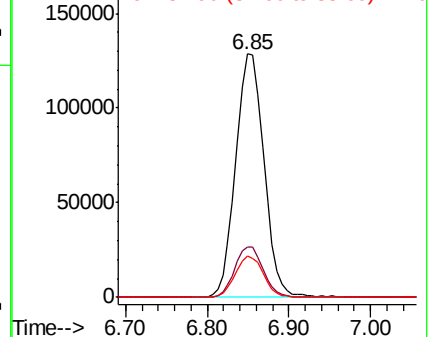
88 17.2 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 49.373 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

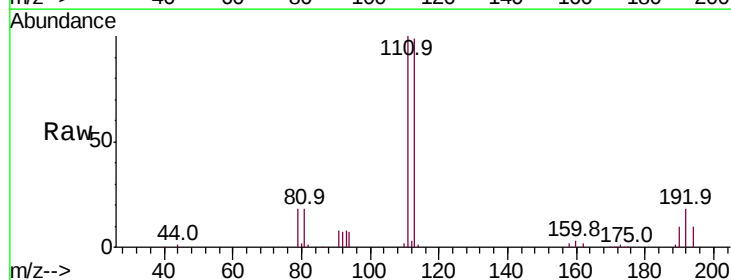
Tgt Ion:113 Resp: 90752

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

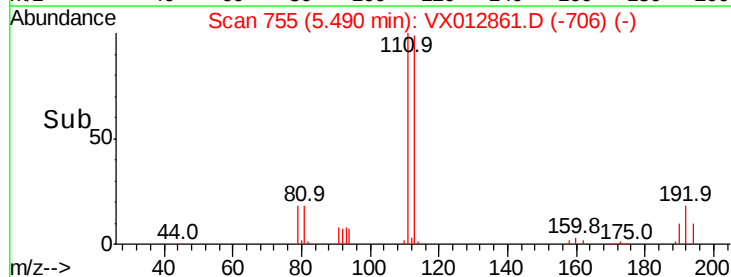
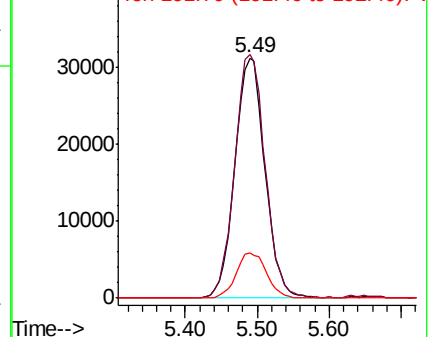
192 19.0 14.4 21.6

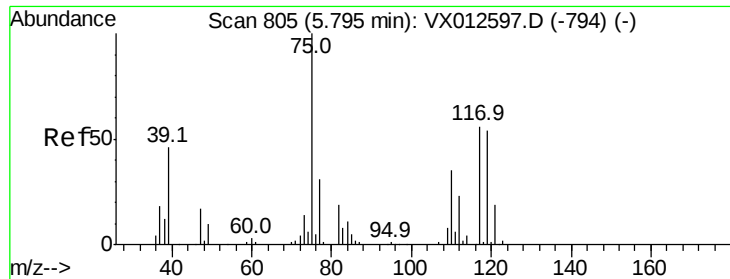


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

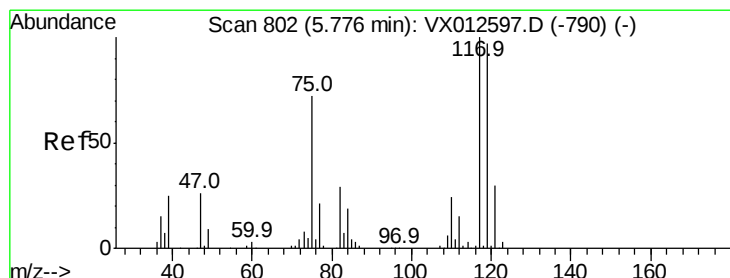
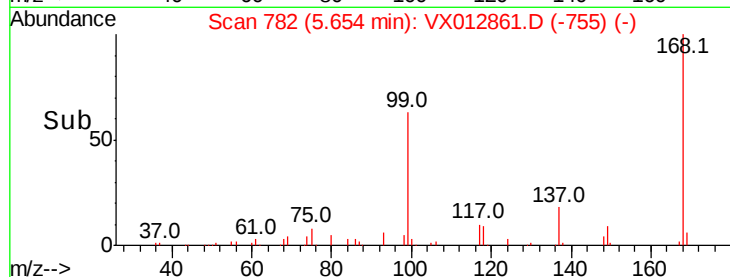
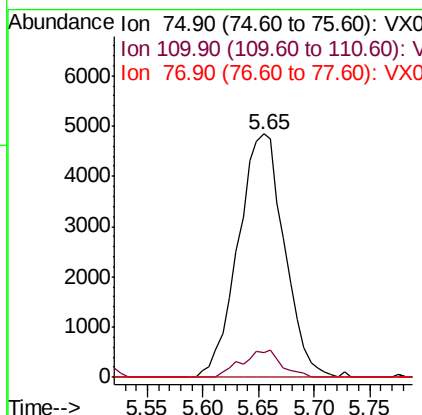
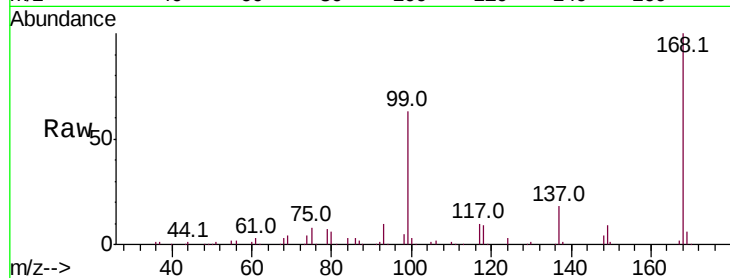




#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012861.D
 Acq: 08 Oct 2019 01:19

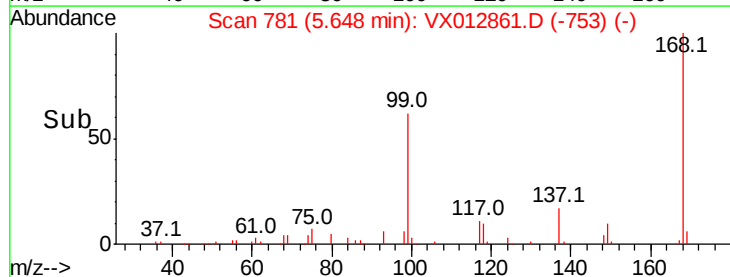
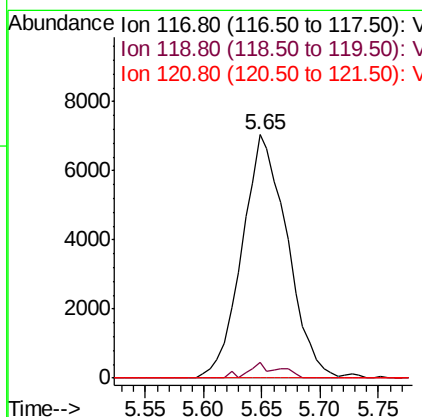
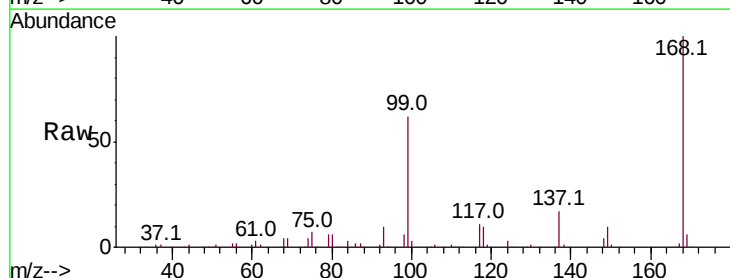
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1CSS-TB1

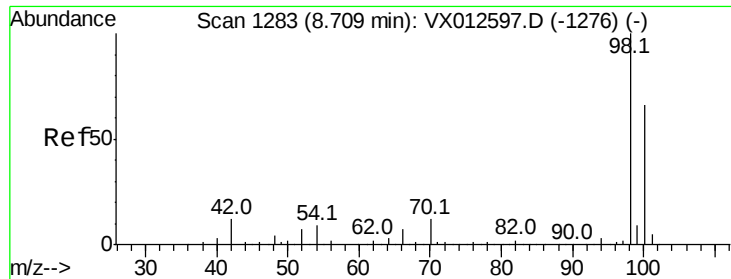
Tot Ion: 75 Resp: 13951
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.271 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012861.D
 Acq: 08 Oct 2019 01:19

Tgt Ion: 117 Resp: 18951
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.7 113.5#
 121 0.0 24.2 36.4#

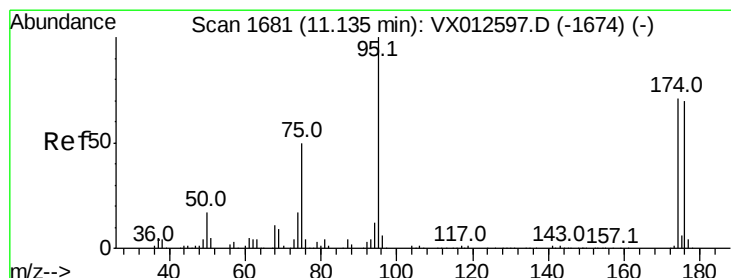
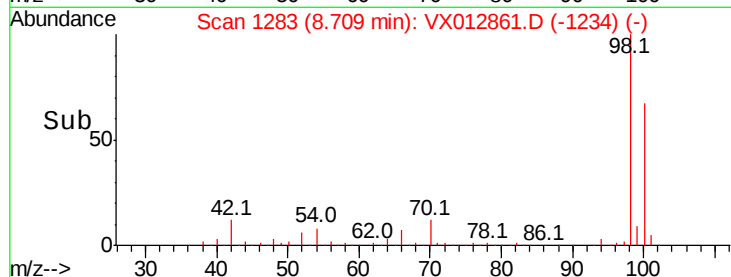
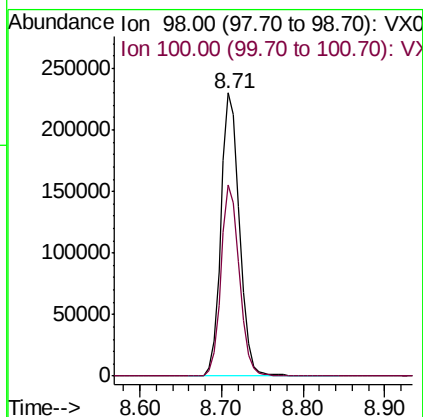
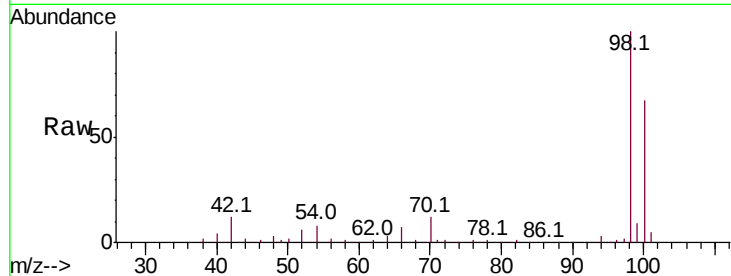




#50
Toluene-d8
Concen: 51.277 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012861.D
Acq: 08 Oct 2019 01:19

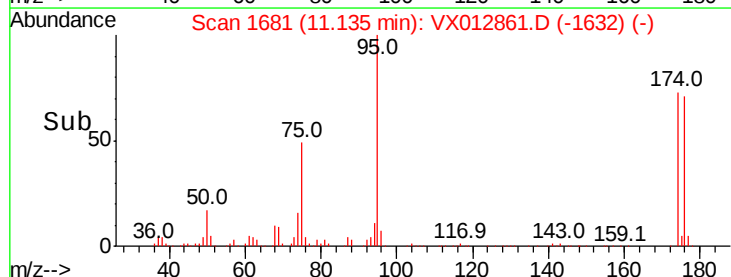
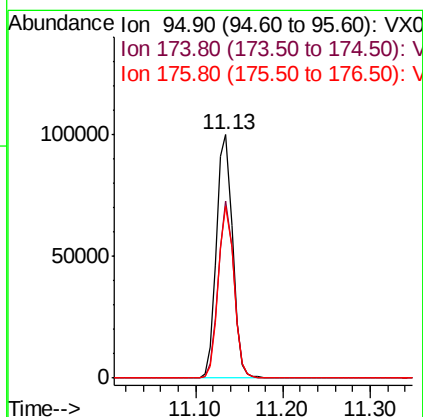
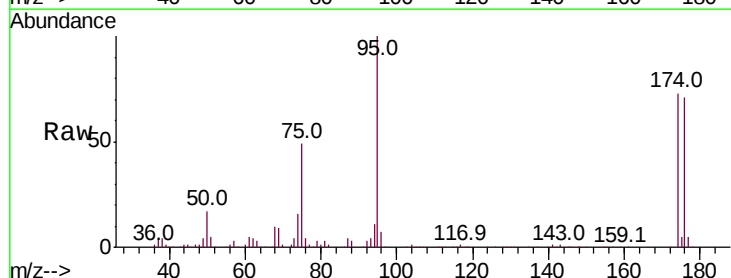
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1CSS-TB1

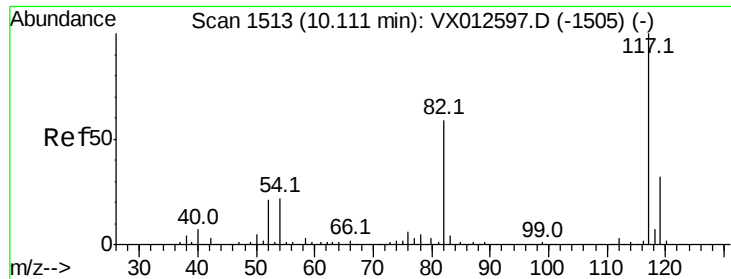
Tot Ion: 98 Resp: 362963
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 45.865 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012861.D
Acq: 08 Oct 2019 01:19

Tgt Ion: 95 Resp: 127655
Ion Ratio Lower Upper
95 100
174 69.5 0.0 140.0
176 68.3 0.0 135.4

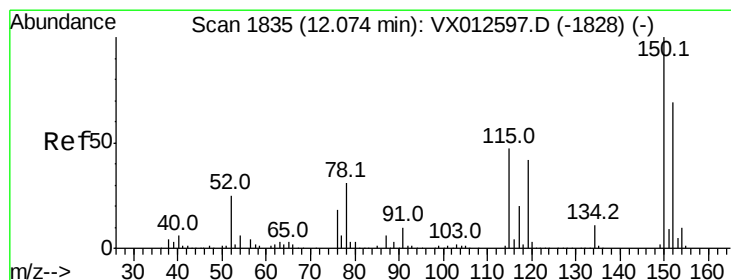
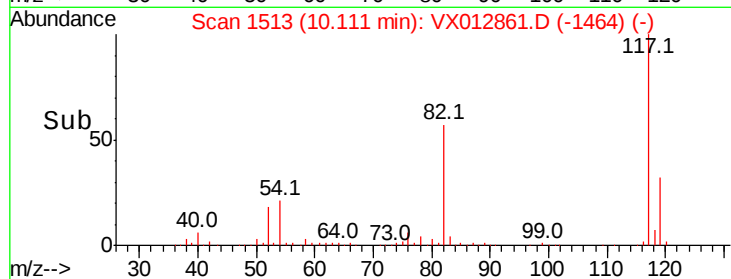
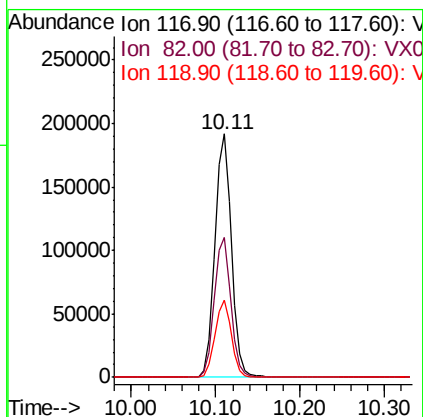
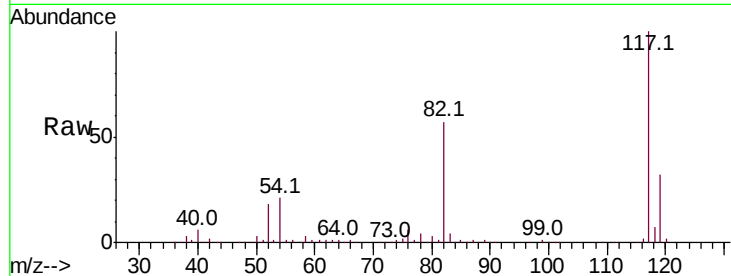




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012861.D
Acq: 08 Oct 2019 01:19

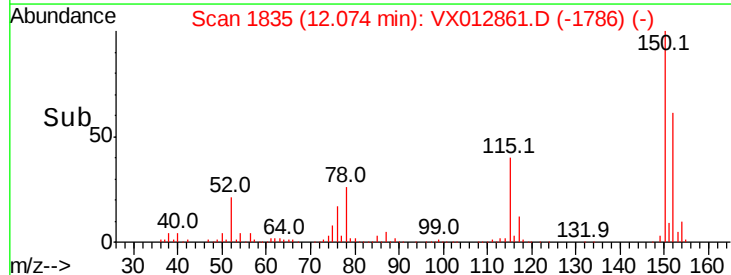
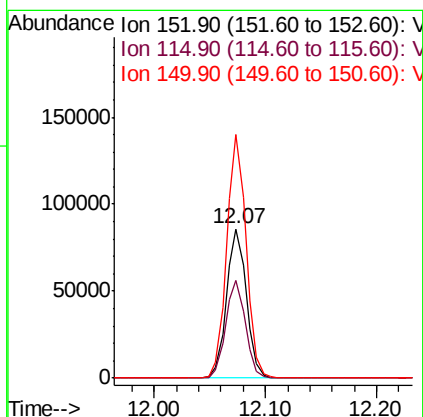
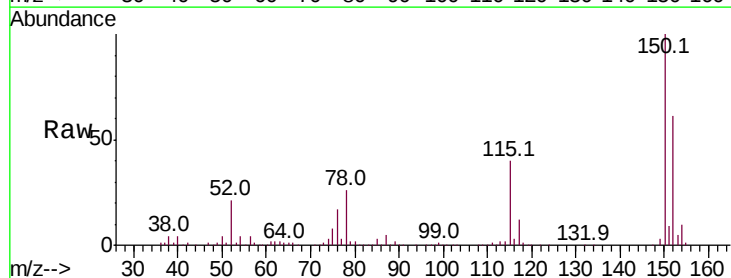
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1CSS-TB1

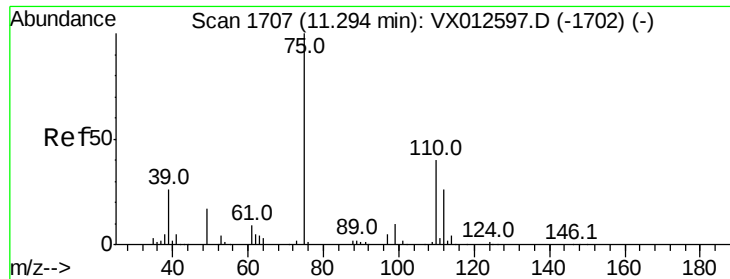
Tot Ion:117 Resp: 262300
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012861.D
Acq: 08 Oct 2019 01:19

Tgt Ion:152 Resp: 105021
Ion Ratio Lower Upper
152 100
115 65.7 44.1 132.3
150 160.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.486 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

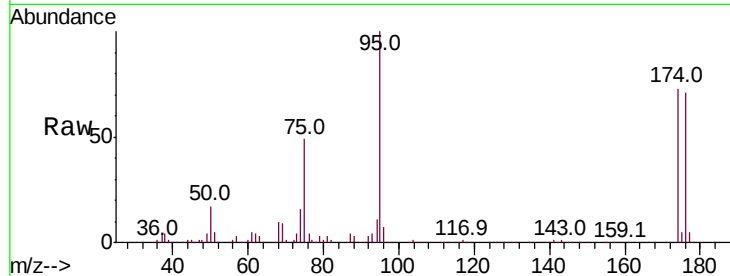
FA19-GMZ1CSS-TB1

Tot Ion: 75 Resp: 62468

Ion Ratio Lower Upper

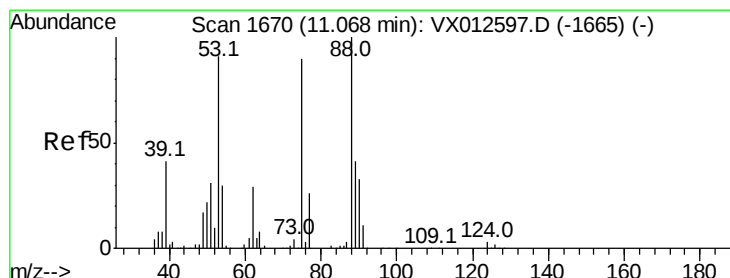
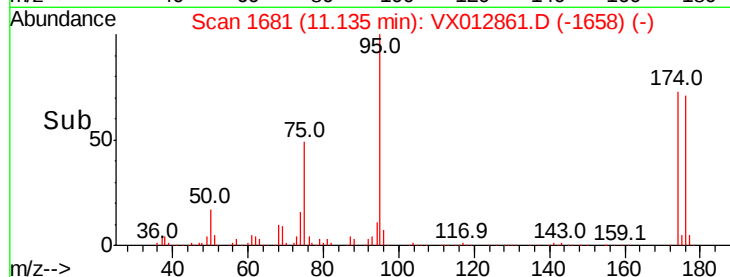
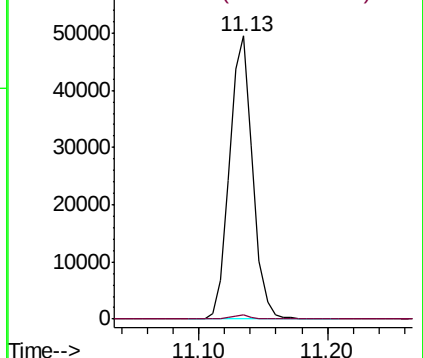
75 100

77 1.3 19.7 59.0#



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: 64.440 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012861.D

Acq: 08 Oct 2019 01:19

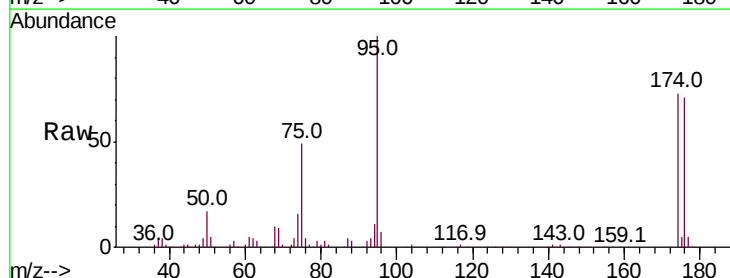
Tgt Ion: 75 Resp: 62468

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 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

