

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012803.D
 Acq On : 04 Oct 2019 11:44
 Operator : JC/SP
 Sample : VX1004WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

Quant Time: Oct 05 04:19:56 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	171048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	293568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92225	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	119244	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.48	113	91339	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	8.71	98	351882	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.13	95	117257	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

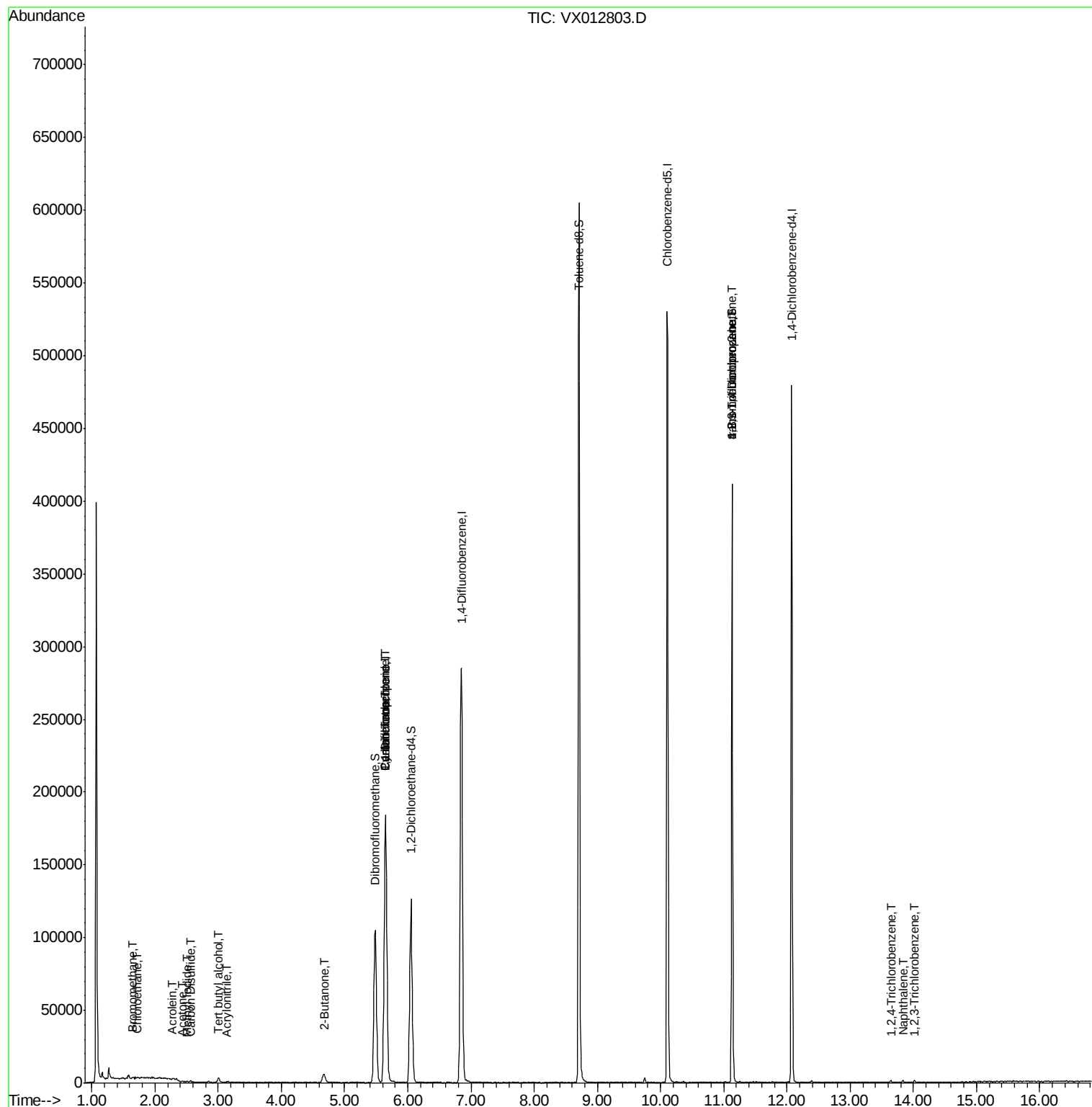
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	425	0.492	ug/l	82
6) Chloroethane	1.73	64	325	0.220	ug/l #	45
10) Methyl Iodide	2.50	142	549	5.203	ug/l #	85
11) Tert butyl alcohol	3.00	59	2193	3.525	ug/l #	72
13) Acrolein	2.28	56	148	10.642	ug/l #	1
15) Acrylonitrile	3.14	53	370	0.293	ug/l #	72
16) Acetone	2.43	43	512	0.388	ug/l	92
17) Carbon Disulfide	2.56	76	1140	0.221	ug/l #	85
25) 2-Butanone	4.67	43	528	0.279	ug/l #	51
31) Cyclohexane	5.65	56	3803	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14586	5.155	ug/l #	52
38) Carbon Tetrachloride	5.64	117	18431	6.412	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	59259	24.291	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	59259	69.612	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.64	180	524	0.281	ug/l	89
95) Naphthalene	13.84	128	1396	0.207	ug/l	95
96) 1,2,3-Trichlorobenzene	14.01	180	418	0.223	ug/l	97

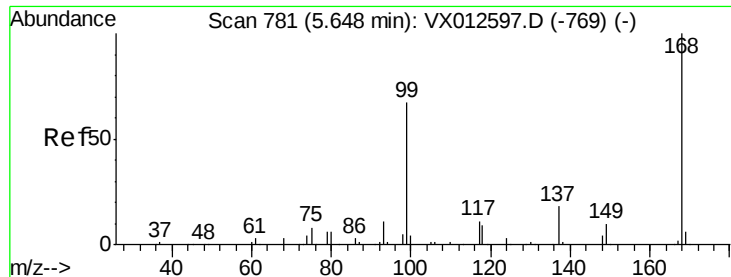
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

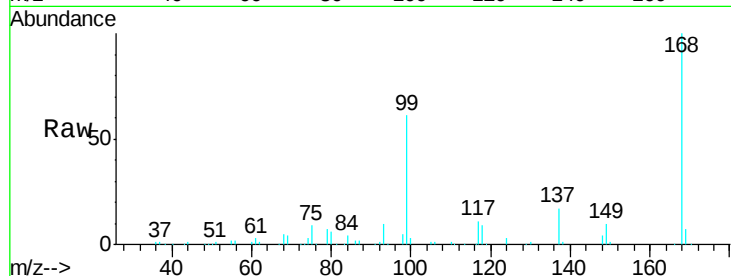
VX1004WBL01

Tgt Ion:168 Resp: 171048

Ion Ratio Lower Upper

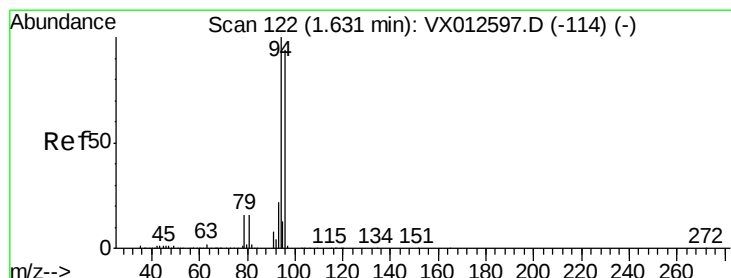
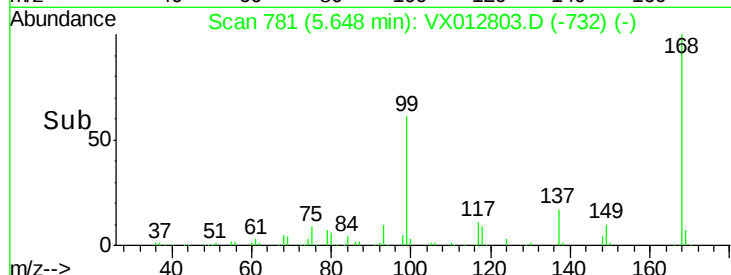
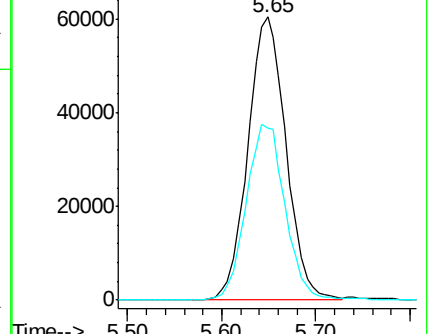
168 100

99 60.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.492 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012803.D

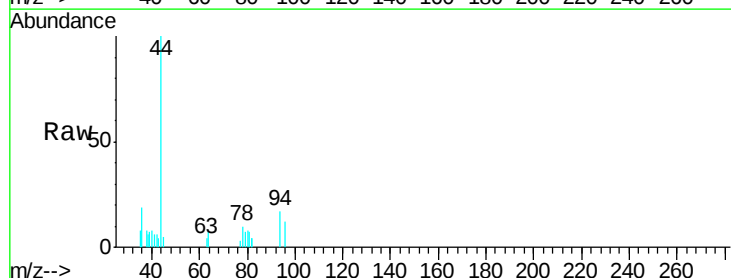
Acq: 04 Oct 2019 11:44

Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

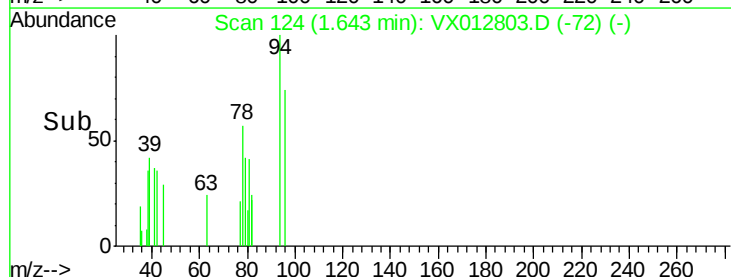
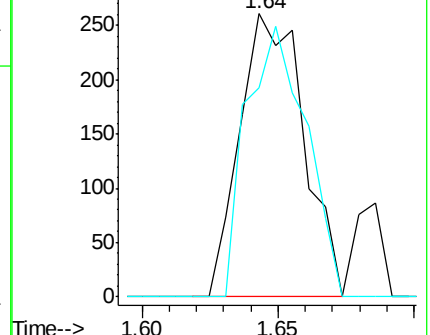
94 100

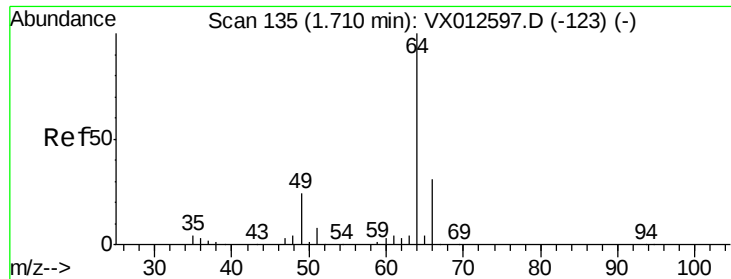
96 73.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

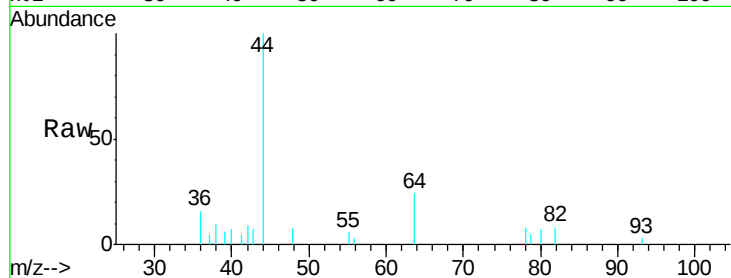
VX1004WBL01

Tgt Ion: 64 Resp: 325

Ion Ratio Lower Upper

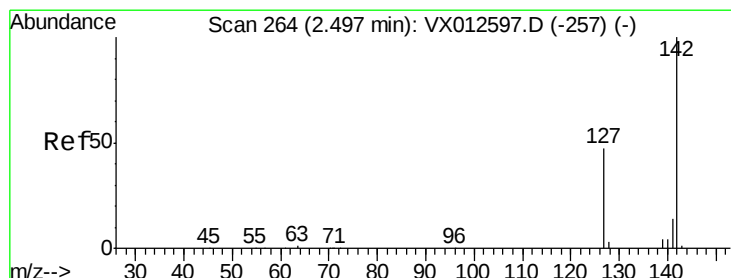
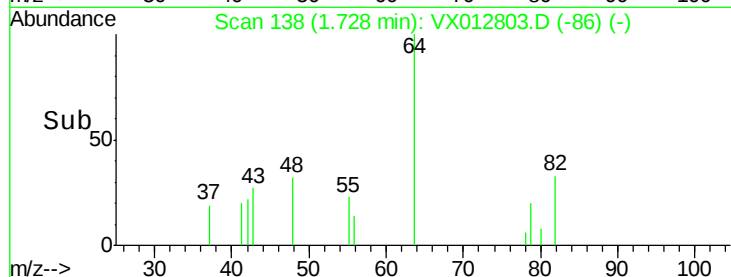
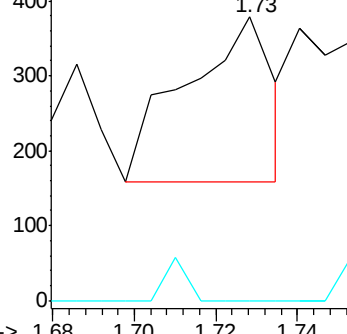
64 100

66 0.0 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: 5.203 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

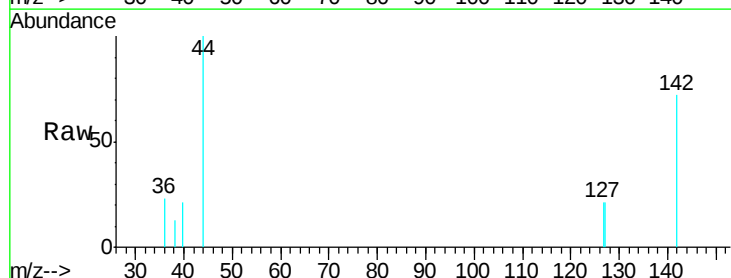
Tgt Ion: 142 Resp: 549

Ion Ratio Lower Upper

142 100

127 45.2 40.8 61.2

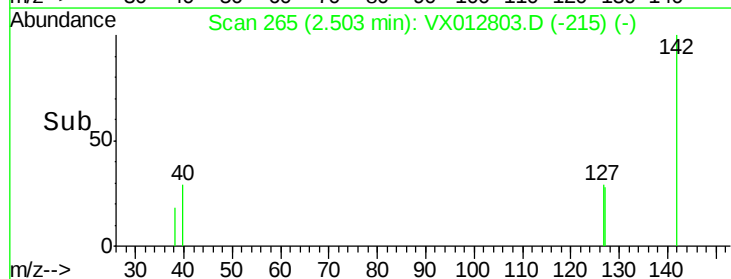
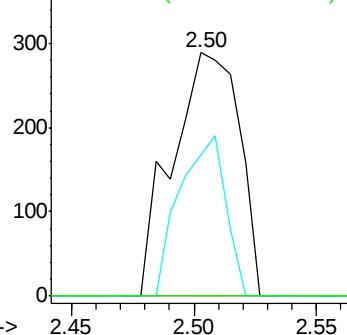
141 0.0 12.1 18.1#

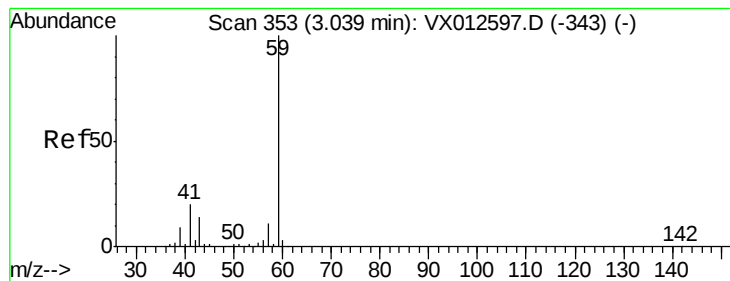


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



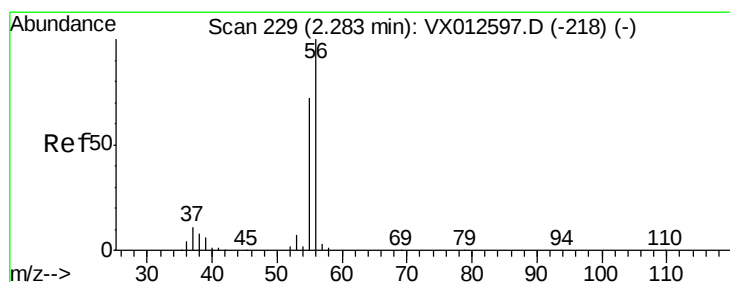
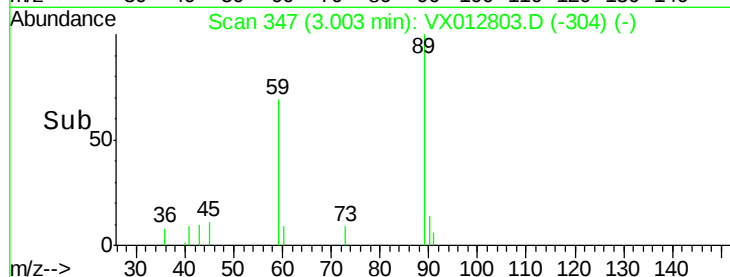
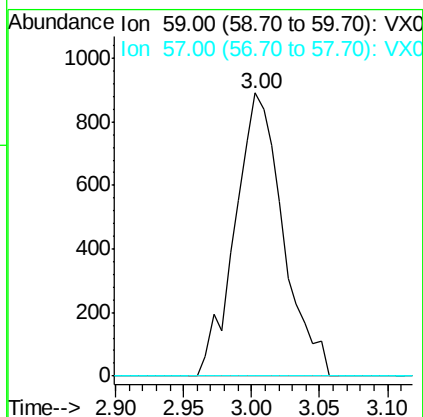
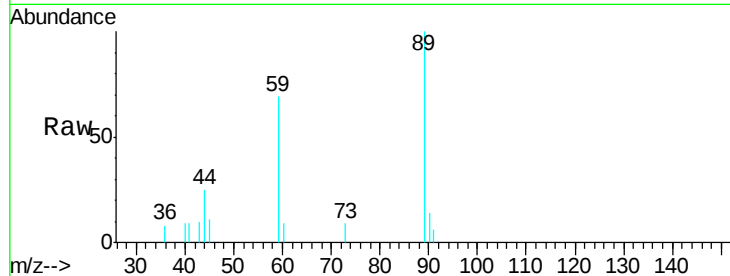


#11

Tert butyl alcohol
 Concen: 3.525 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

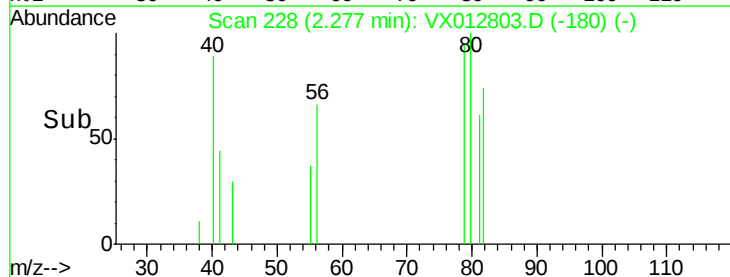
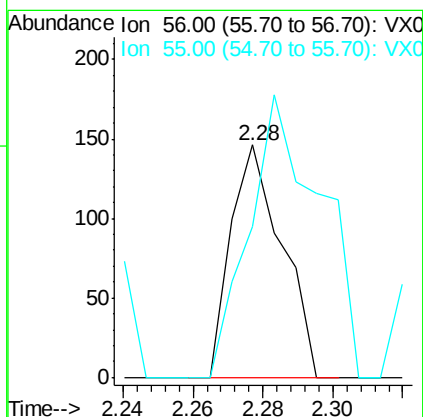
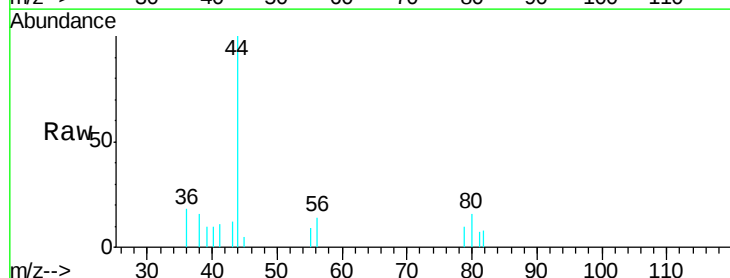
Tgt Ion: 59 Resp: 2193
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

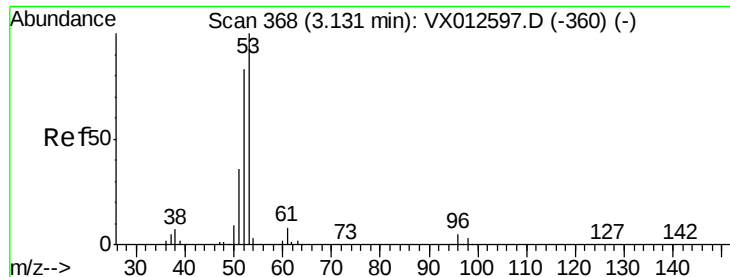


#13

Acrolein
 Concen: 10.642 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Tgt Ion: 56 Resp: 148
 Ion Ratio Lower Upper
 56 100
 55 168.9 55.8 83.8#





#15

Acrylonitrile

Concen: 0.293 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBL01

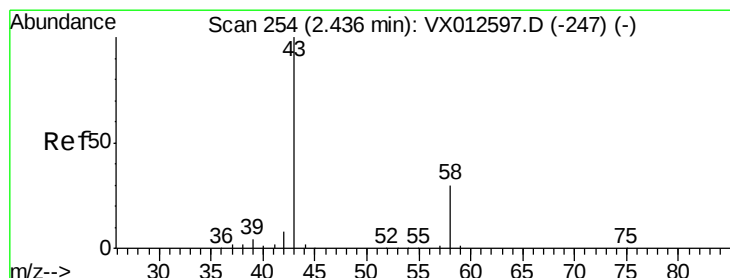
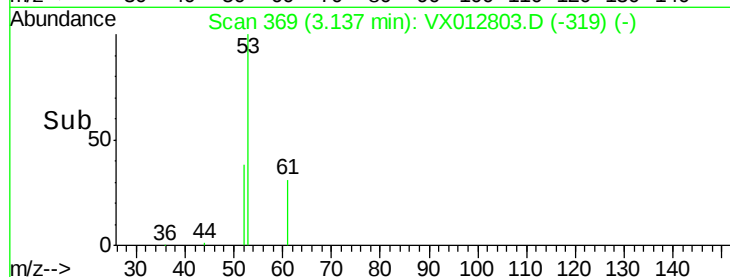
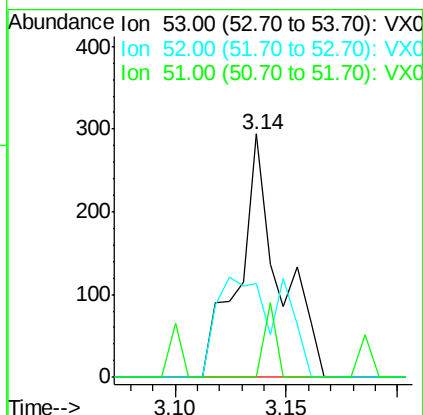
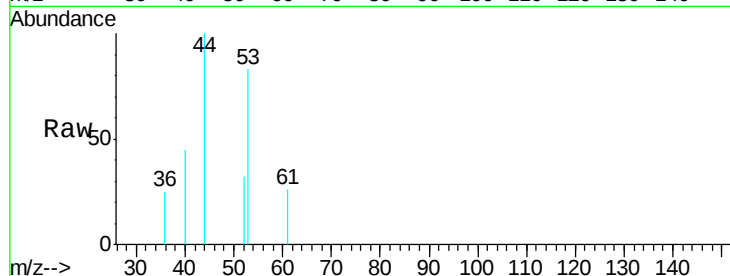
Tgt Ion: 53 Resp: 370

Ion Ratio Lower Upper

53 100

52 65.9 67.0 100.4#

51 8.9 29.6 44.4#



#16

Acetone

Concen: 0.388 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012803.D

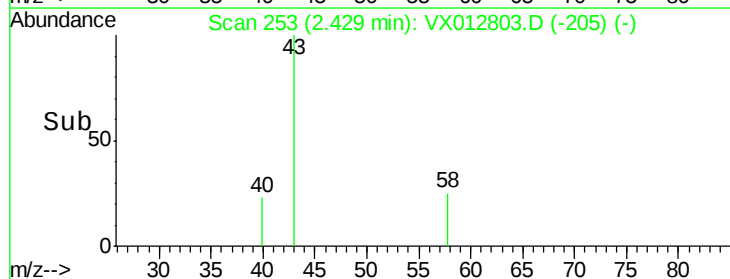
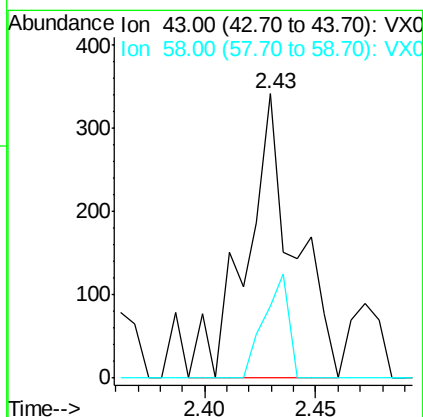
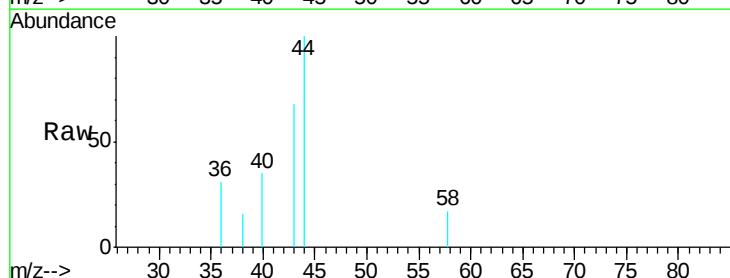
Acq: 04 Oct 2019 11:44

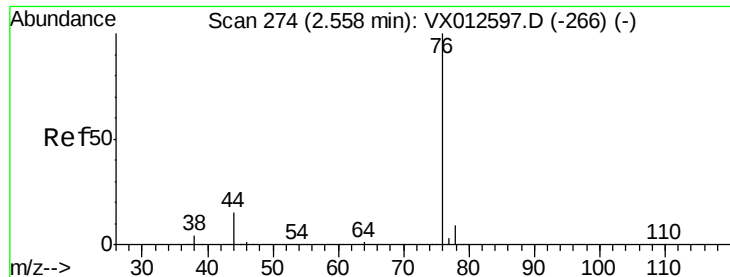
Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

58 24.9 23.3 34.9





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

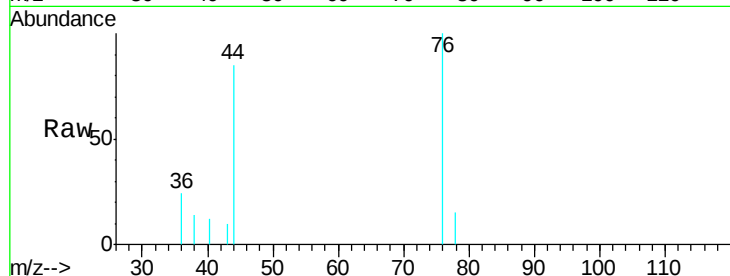
VX1004WBL01

Tgt Ion: 76 Resp: 1140

Ion Ratio Lower Upper

76 100

78 14.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

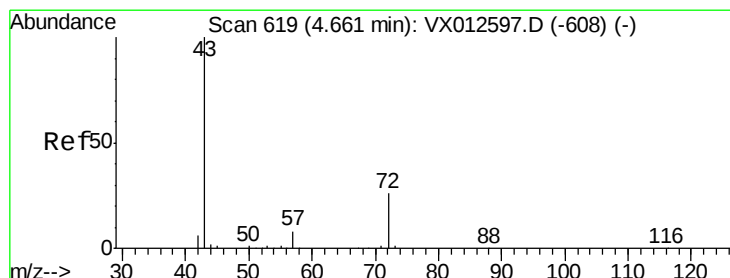
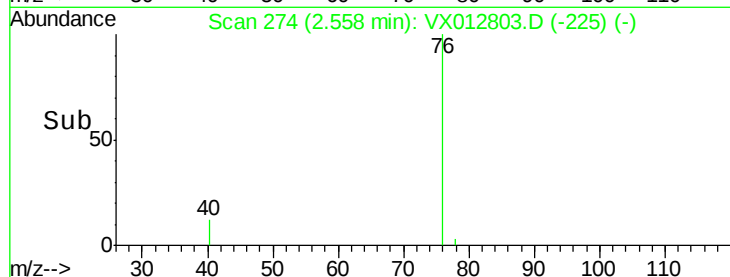
600

400

200

0

Time--> 2.50 2.55 2.60



#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012803.D

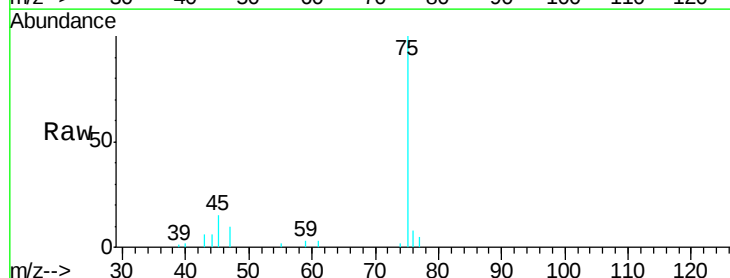
Acq: 04 Oct 2019 11:44

Tgt Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

250

200

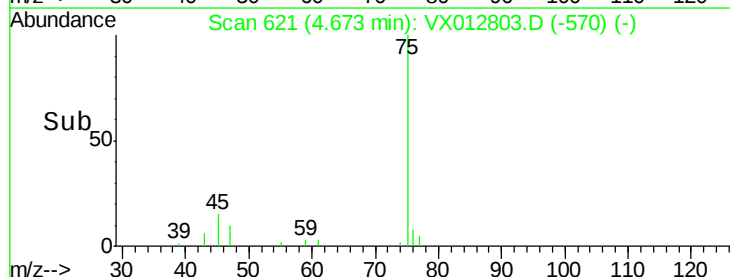
150

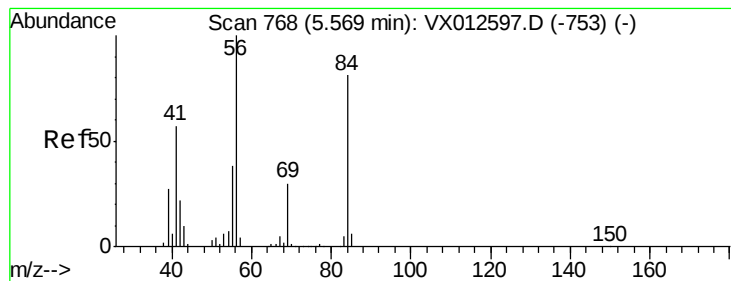
100

50

0

Time--> 4.60 4.65 4.70





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBL01

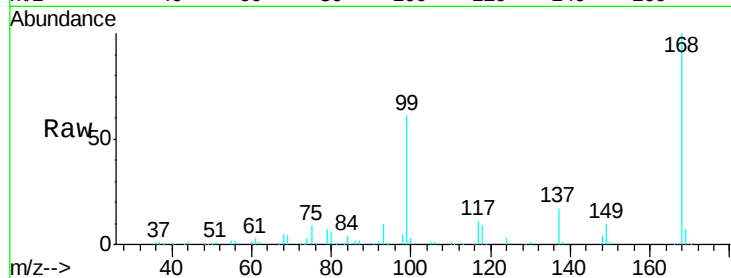
Tgt Ion: 56 Resp: 3803

Ion Ratio Lower Upper

56 100

69 195.1 25.0 37.6#

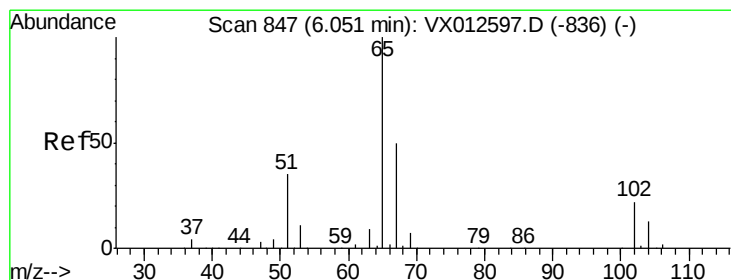
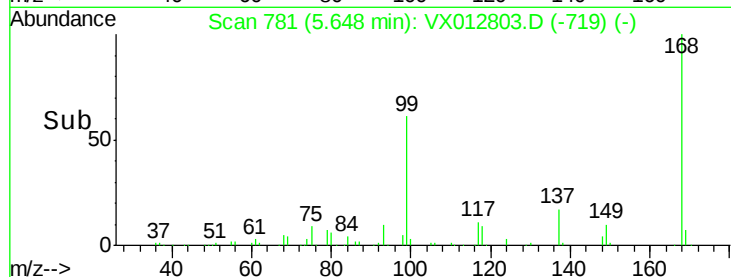
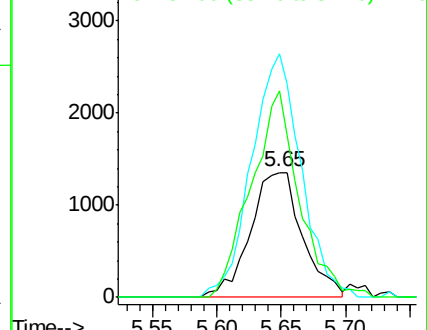
84 165.9 66.4 99.6#



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: 47.874 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012803.D

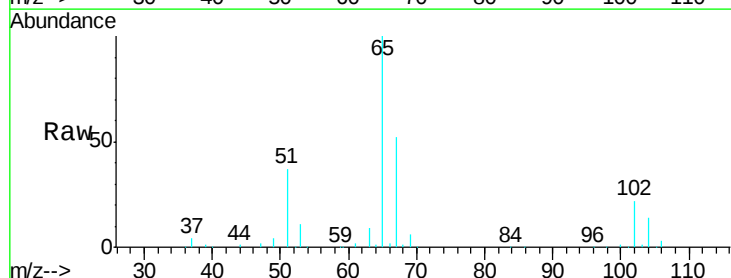
Acq: 04 Oct 2019 11:44

Tgt Ion: 65 Resp: 119244

Ion Ratio Lower Upper

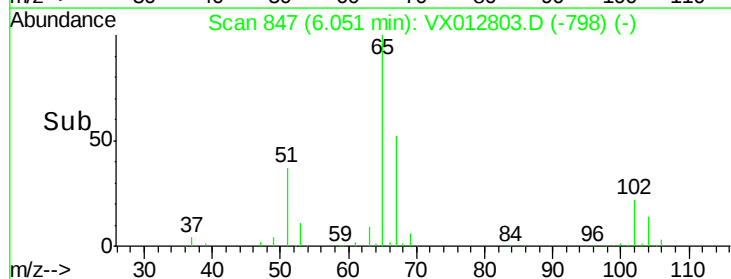
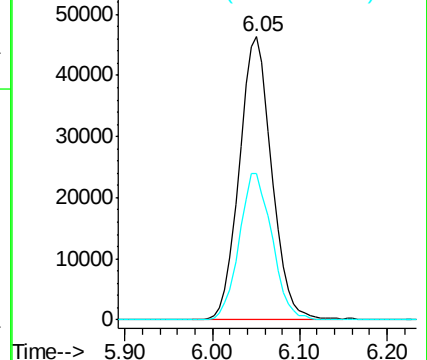
65 100

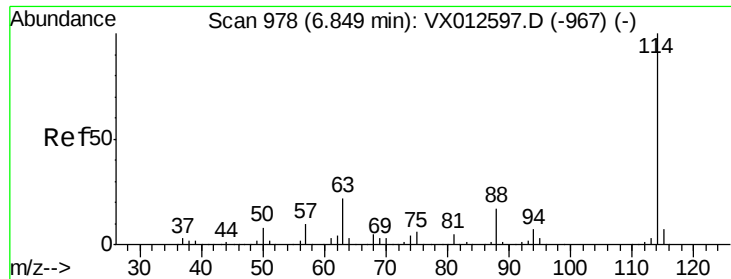
67 52.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

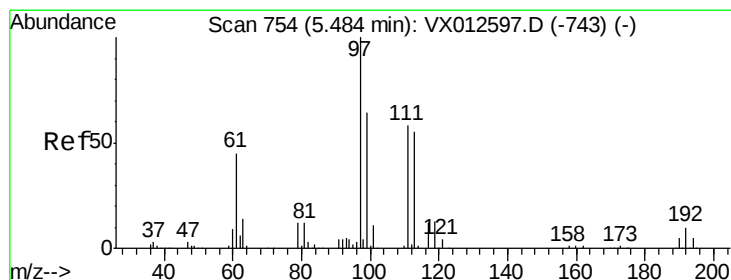
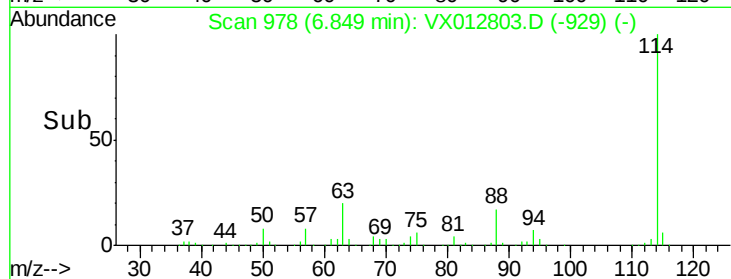
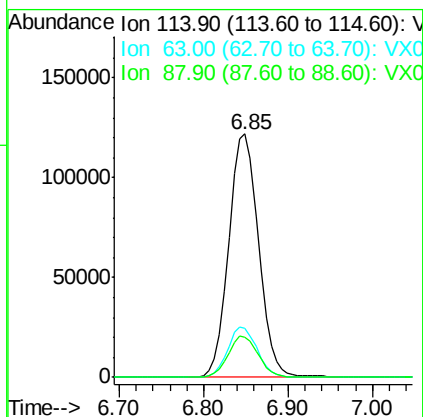
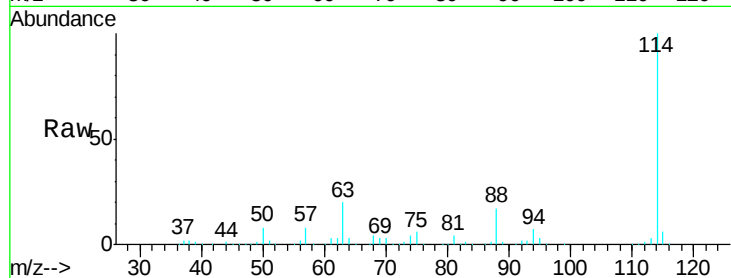




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

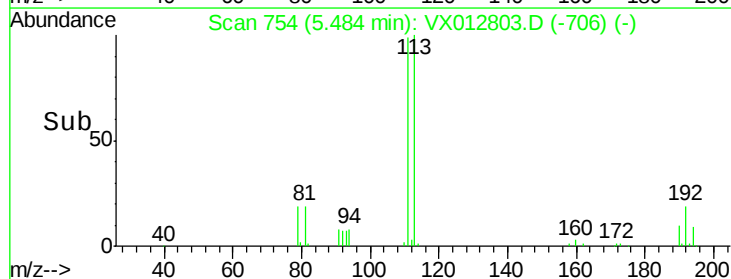
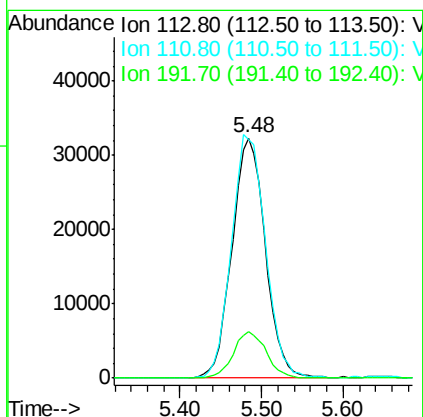
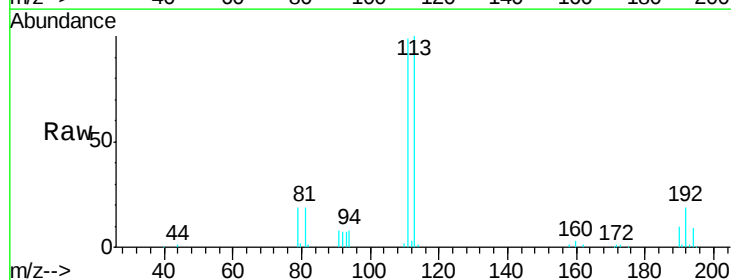
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

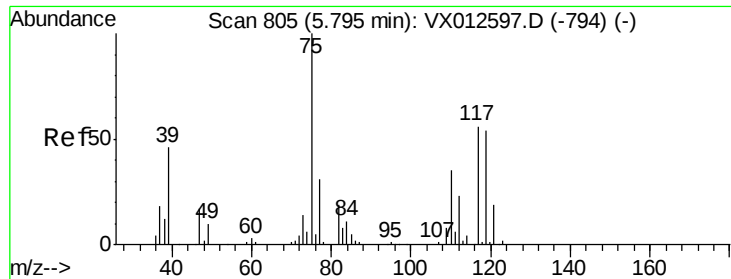
Tgt Ion:114 Resp: 293568
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 16.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 52.244 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Tgt Ion:113 Resp: 91339
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 19.0 14.4 21.6

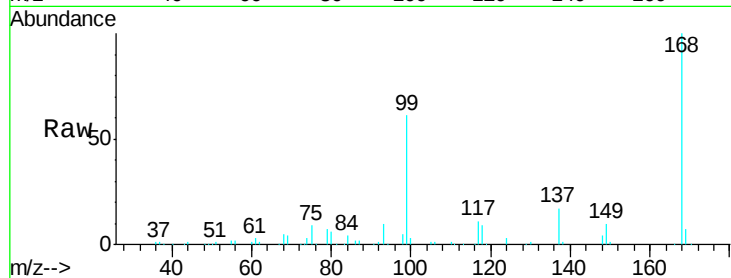




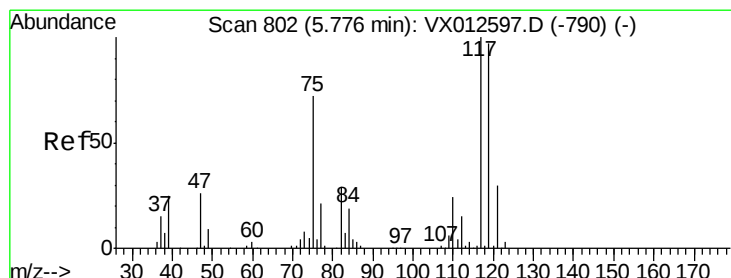
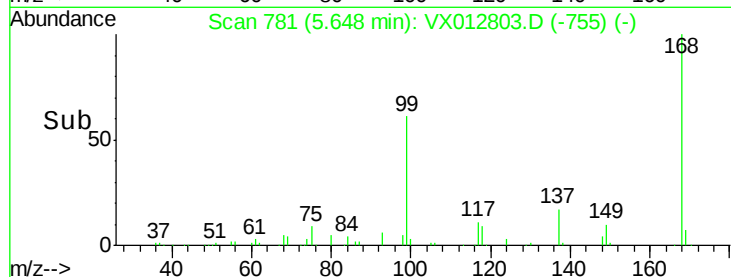
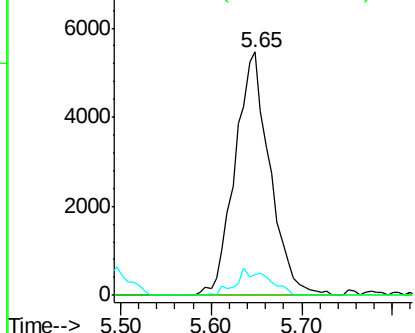
#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

Tgt Ion: 75 Resp: 14586
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.7 50.0#
 77 0.0 24.2 36.2#

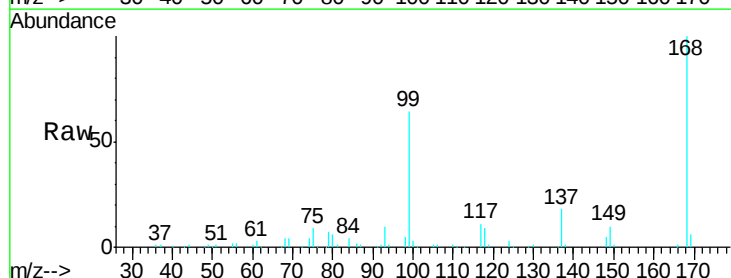


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

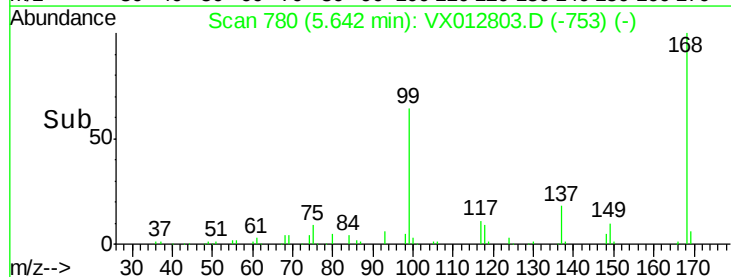
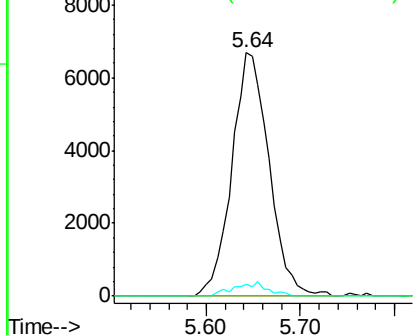


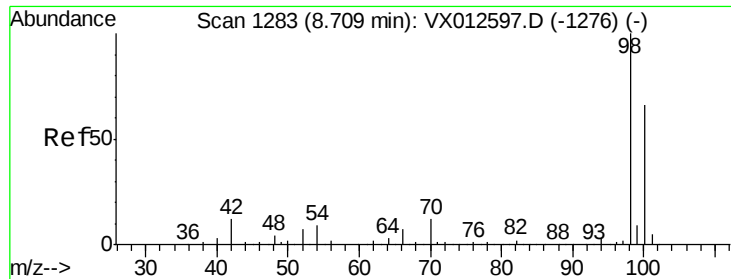
#38
 Carbon Tetrachloride
 Concen: 6.412 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Tgt Ion: 117 Resp: 18431
 Ion Ratio Lower Upper
 117 100
 119 4.7 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: 52.263 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

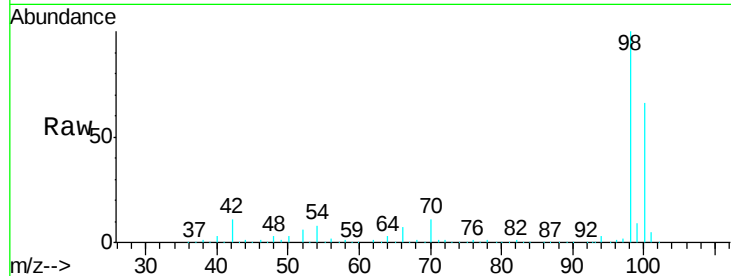
VX1004WBL01

Tgt Ion: 98 Resp: 351882

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

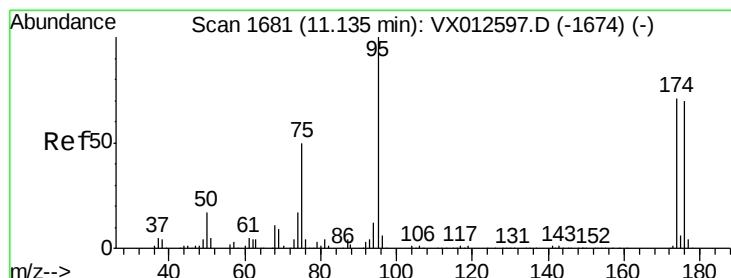
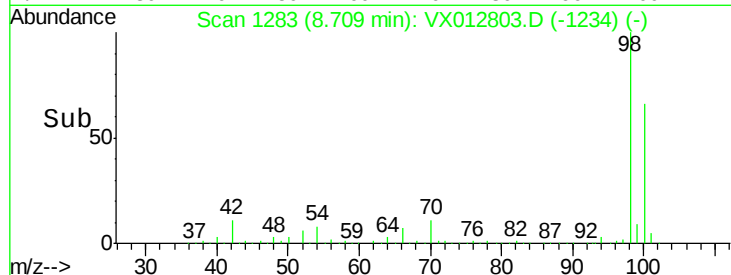
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.291 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

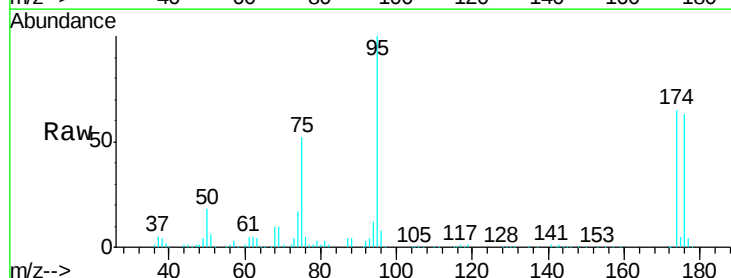
Tgt Ion: 95 Resp: 117257

Ion Ratio Lower Upper

95 100

174 72.0 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

120000

100000

80000

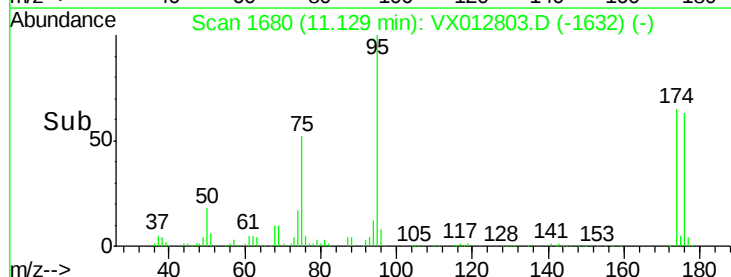
60000

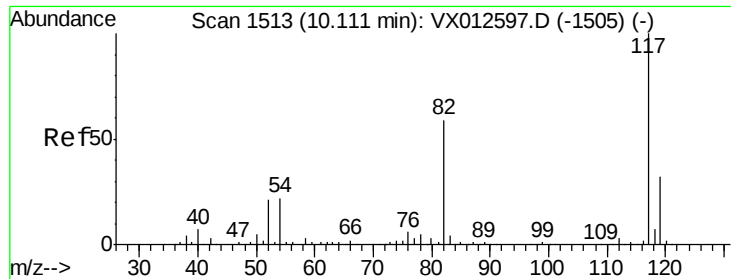
40000

20000

0

Time-->

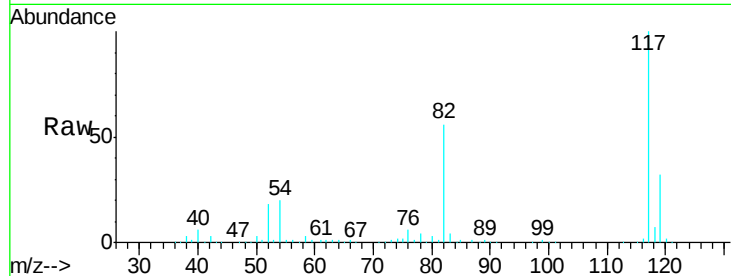




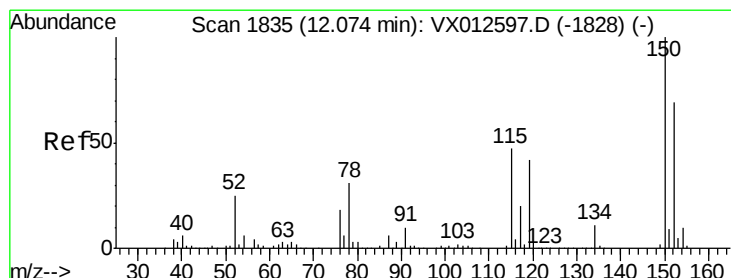
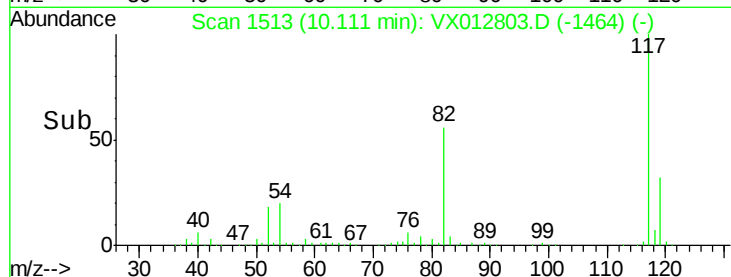
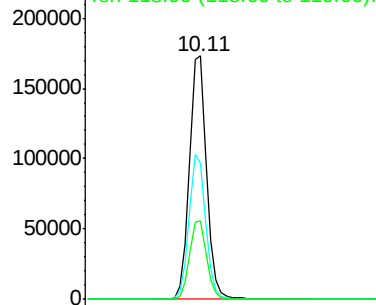
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012803.D
Acq: 04 Oct 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

Tgt Ion:117 Resp: 245975
Ion Ratio Lower Upper
117 100
82 55.8 45.9 68.9
119 32.1 25.3 37.9

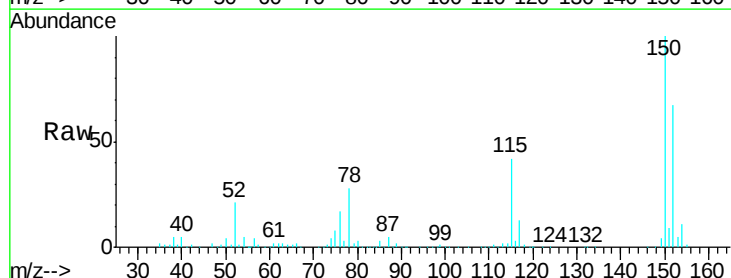


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

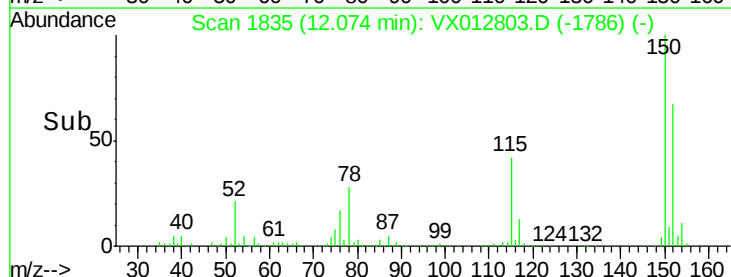
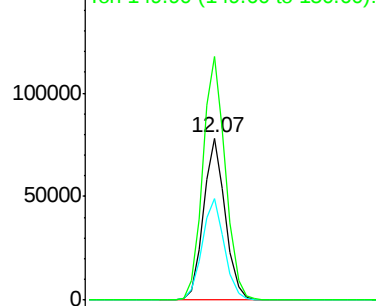


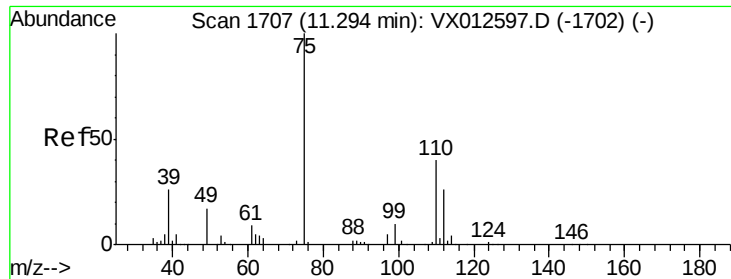
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012803.D
Acq: 04 Oct 2019 11:44

Tgt Ion:152 Resp: 92225
Ion Ratio Lower Upper
152 100
115 64.6 44.1 132.3
150 156.9 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: 24.291 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

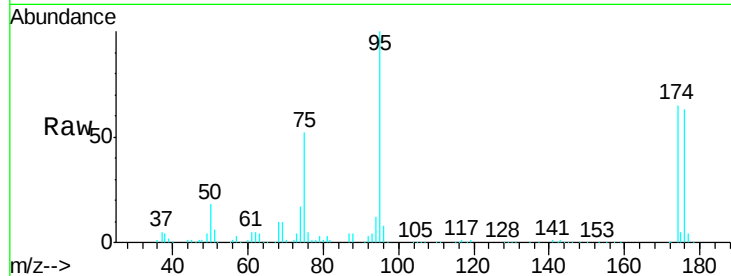
VX1004WBL01

Tgt Ion: 75 Resp: 59259

Ion Ratio Lower Upper

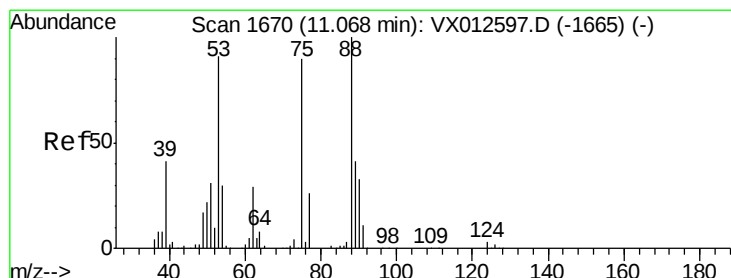
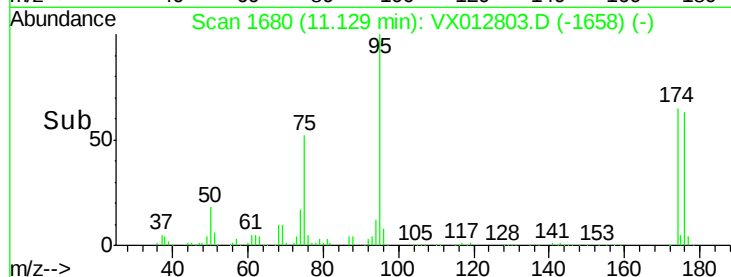
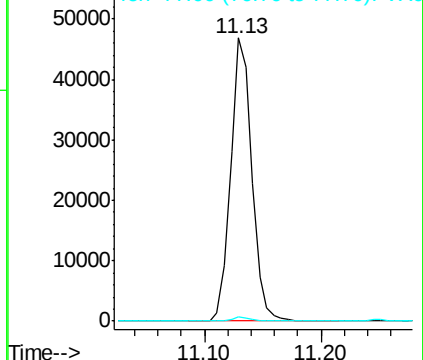
75 100

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: 69.612 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012803.D

Acq: 04 Oct 2019 11:44

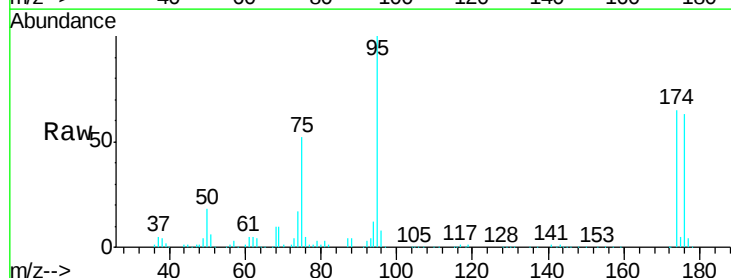
Tgt Ion: 75 Resp: 59259

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

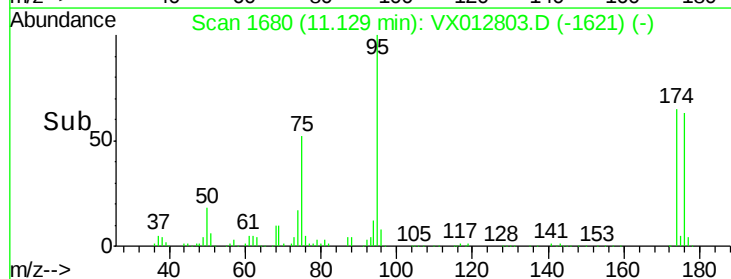
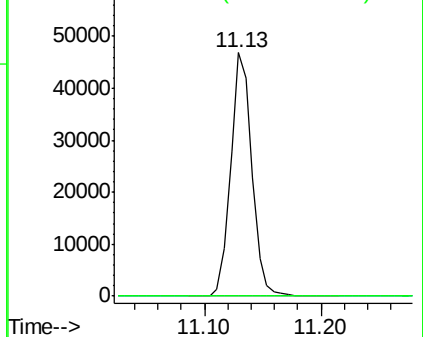
89 0.0 36.3 54.5#

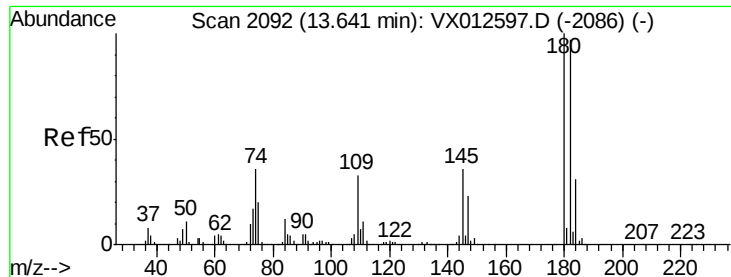


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

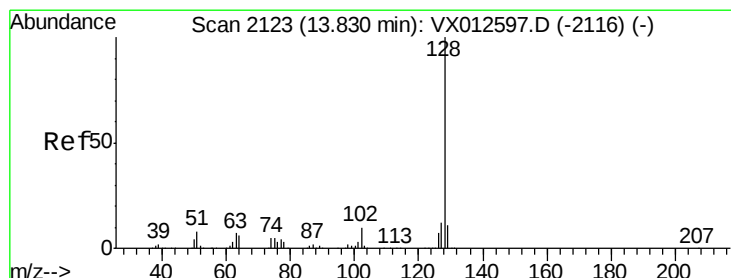
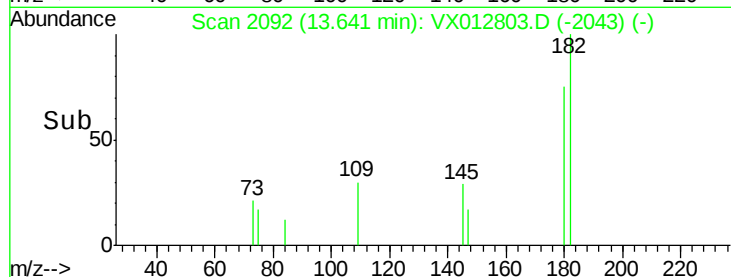
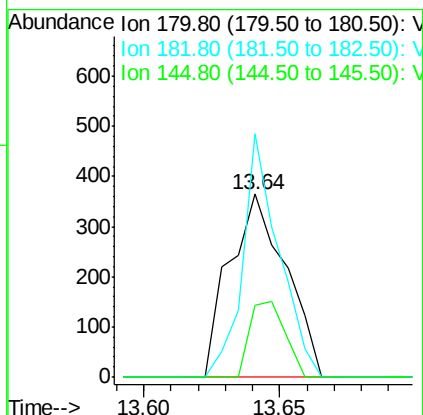
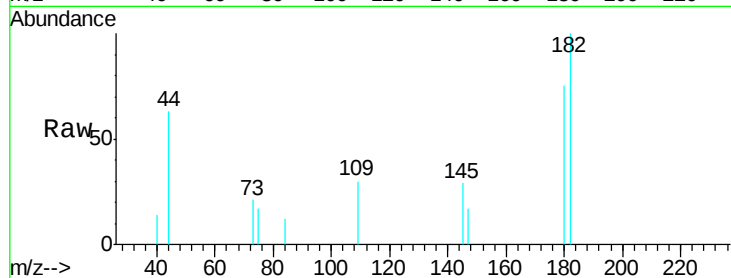




#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX012803.D
Acq: 04 Oct 2019 11:44

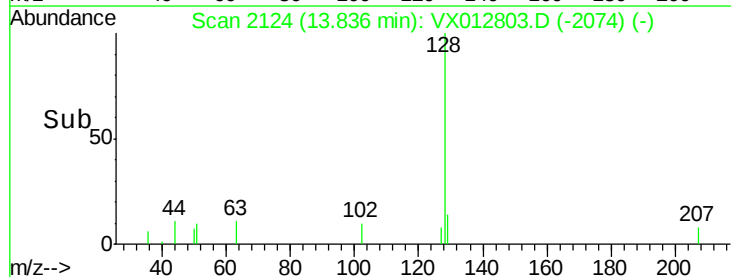
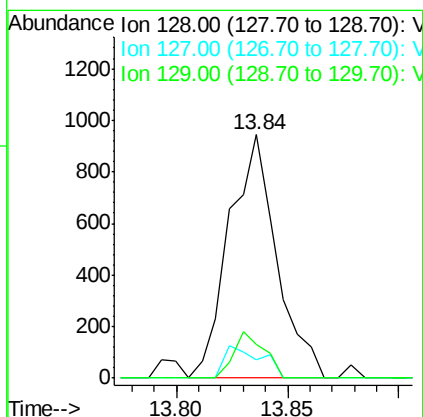
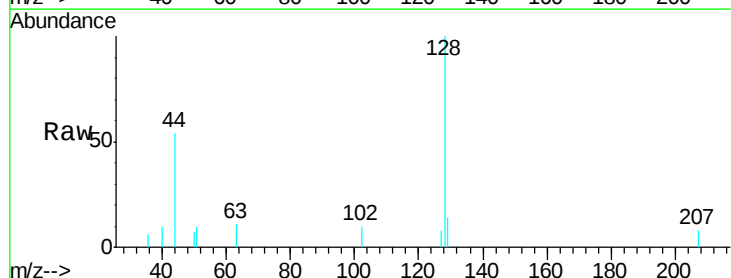
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

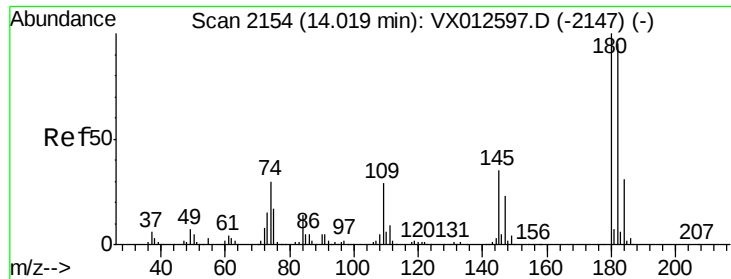
Tgt Ion:180 Resp: 524
Ion Ratio Lower Upper
180 100
182 84.7 47.0 141.0
145 25.6 16.8 50.4



#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX012803.D
Acq: 04 Oct 2019 11:44

Tgt Ion:128 Resp: 1396
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4
129 12.3 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012803.D
 Acq: 04 Oct 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	40.7	18.0	54.0

