

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
 Data File : VX012650.D
 Acq On : 25 Sep 2019 10:48
 Operator : JC/SP
 Sample : VX0925WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

Quant Time: Sep 25 23:02:54 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	178871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96369	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	131883	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.48	113	93643	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	8.71	98	361985	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	123143	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	

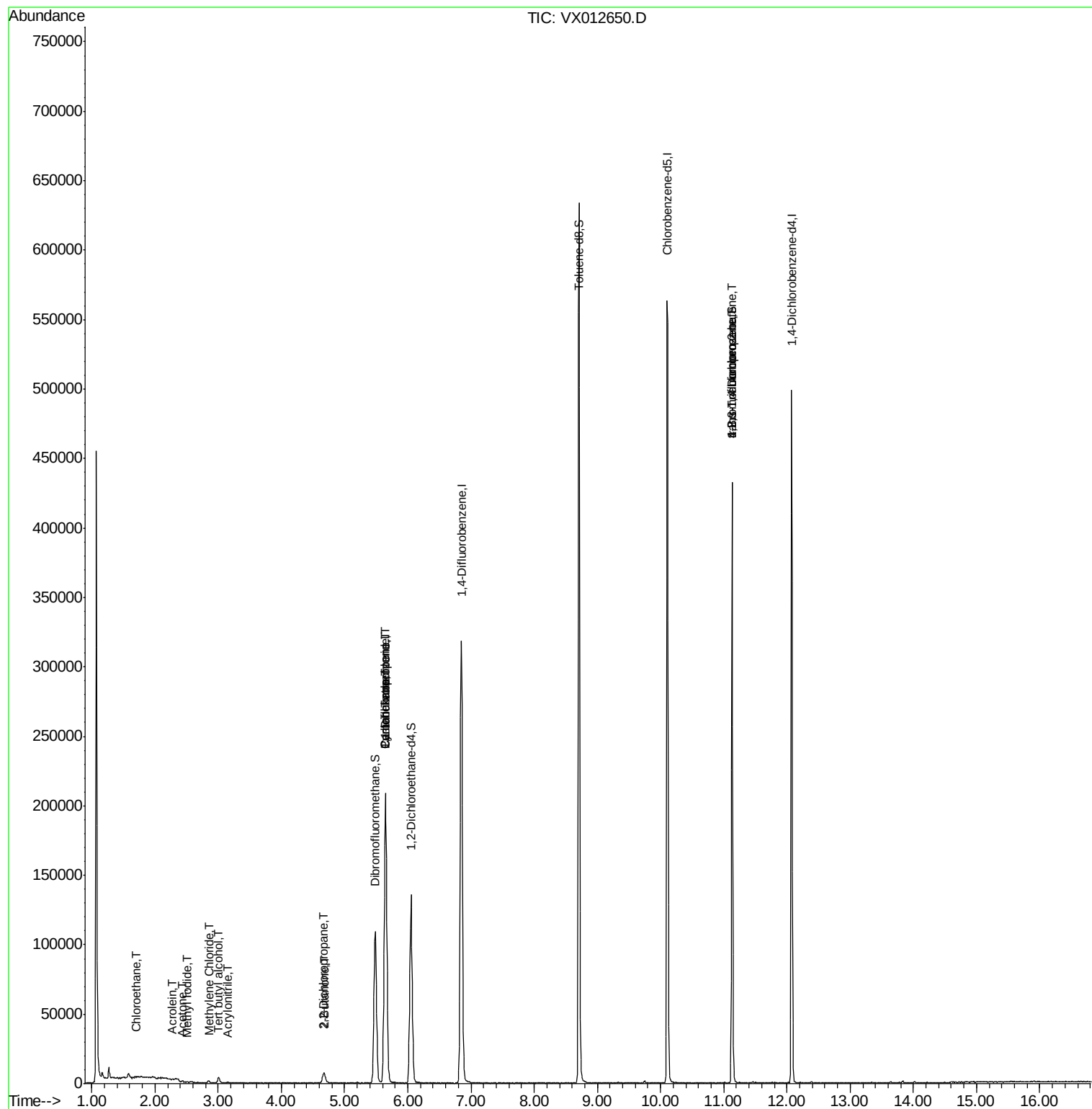
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	499	0.322	ug/l #	45
10) Methyl Iodide	2.51	142	453	5.150	ug/l #	76
11) Tert butyl alcohol	3.00	59	2474	3.802	ug/l #	72
13) Acrolein	2.28	56	192	10.741	ug/l #	16
15) Acrylonitrile	3.14	53	284	0.215	ug/l #	25
16) Acetone	2.43	43	1546	1.121	ug/l	99
20) Methylene Chloride	2.85	84	788	0.338	ug/l	91
25) 2-Butanone	4.67	43	710	0.359	ug/l #	51
26) 2,2-Dichloropropane	4.66	77	717	0.201	ug/l #	55
31) Cyclohexane	5.65	56	4632	1.278	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16240	5.429	ug/l #	52
38) Carbon Tetrachloride	5.65	117	20401	6.714	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64477	25.293	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	64477	72.484	ug/l #	8

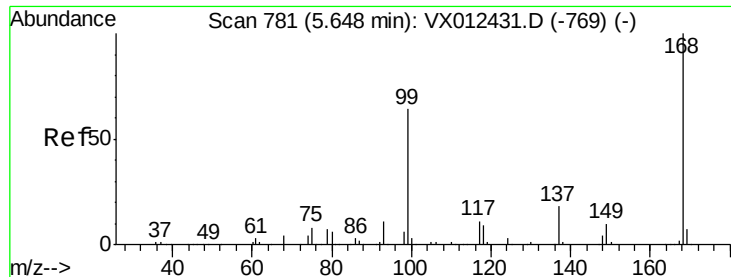
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
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Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0925WBL01

Quant Time: Sep 25 23:02:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

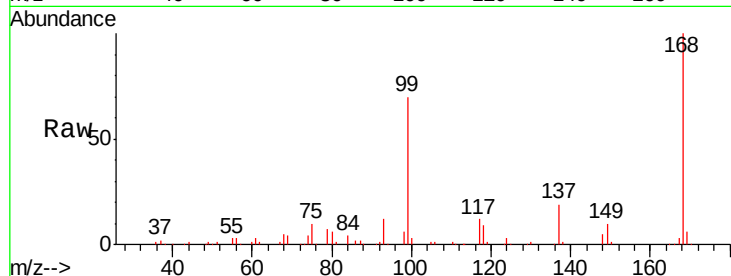
VX0925WBL01

Tgt Ion: 168 Resp: 178871

Ion Ratio Lower Upper

168 100

99 70.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

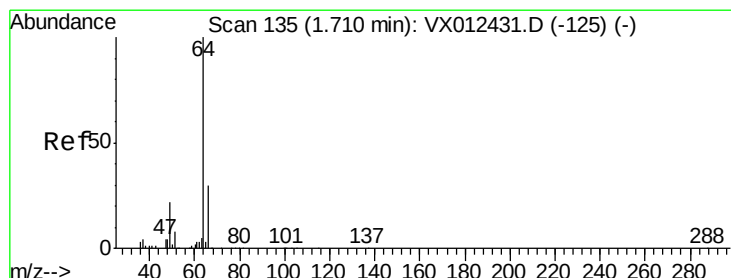
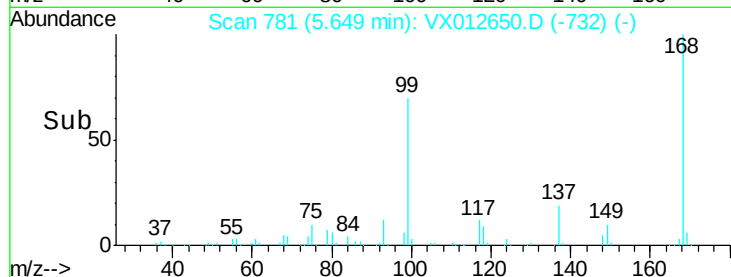
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 0.322 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012650.D

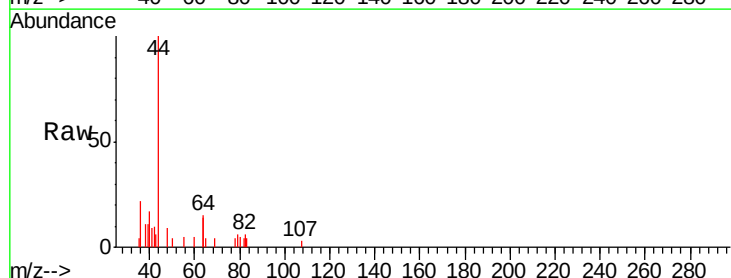
Acq: 25 Sep 2019 10:48

Tgt Ion: 64 Resp: 499

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

1.71

600

500

400

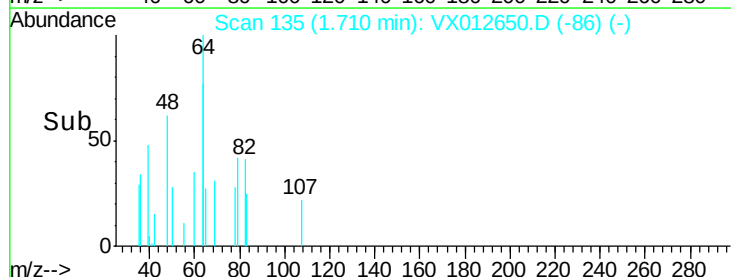
300

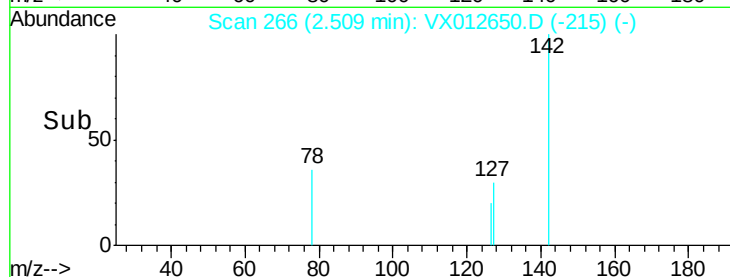
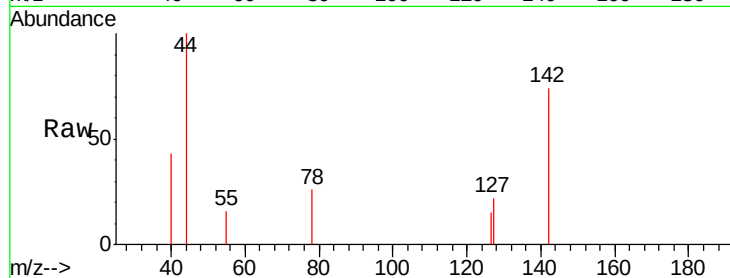
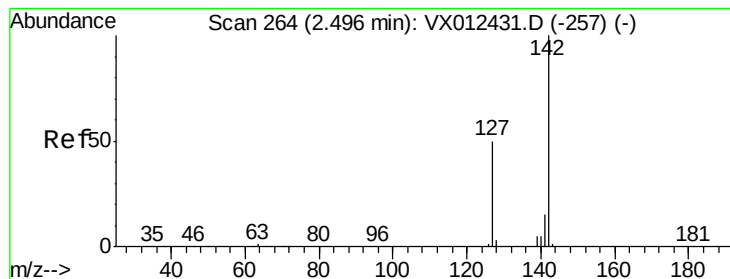
200

100

0

Time-->





#10

Methyl Iodide

Concen: 5.150 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBL01

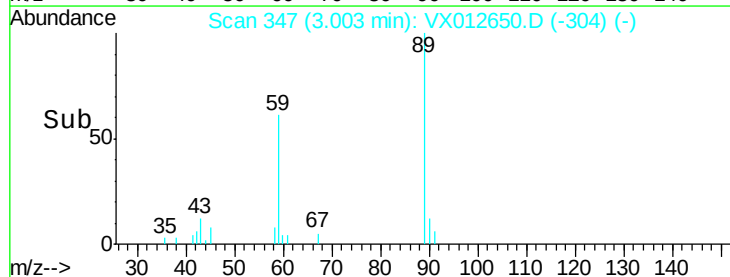
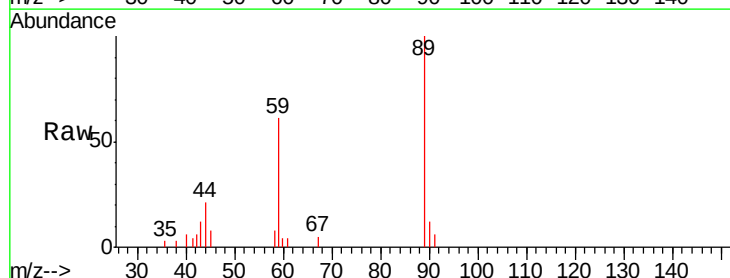
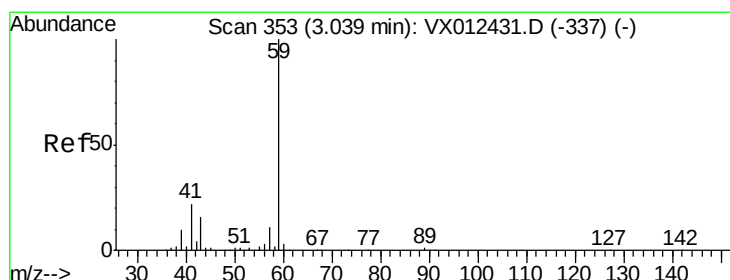
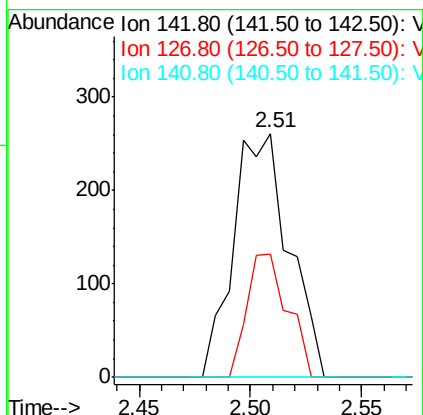
Tgt Ion: 142 Resp: 453

Ion Ratio Lower Upper

142 100

127 37.1 40.8 61.2#

141 0.0 12.1 18.1#



#11

Tert butyl alcohol

Concen: 3.802 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX012650.D

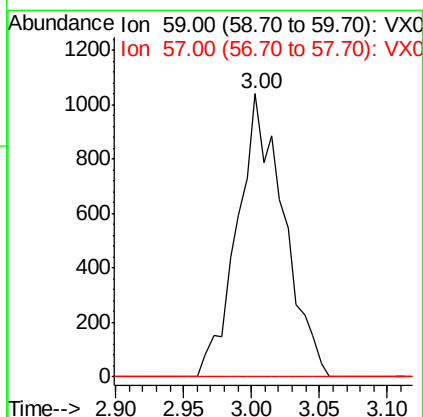
Acq: 25 Sep 2019 10:48

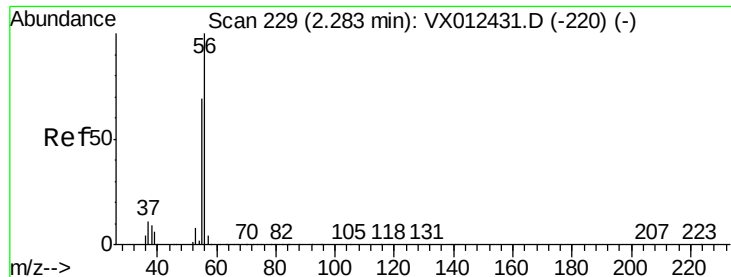
Tgt Ion: 59 Resp: 2474

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.741 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

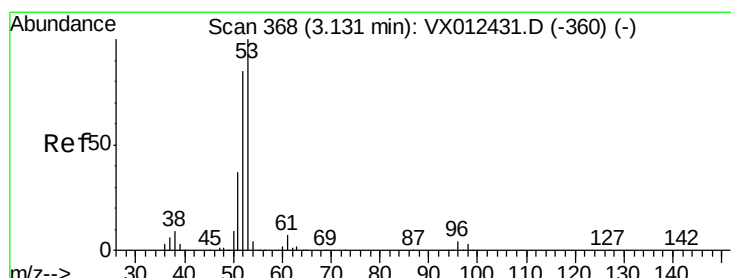
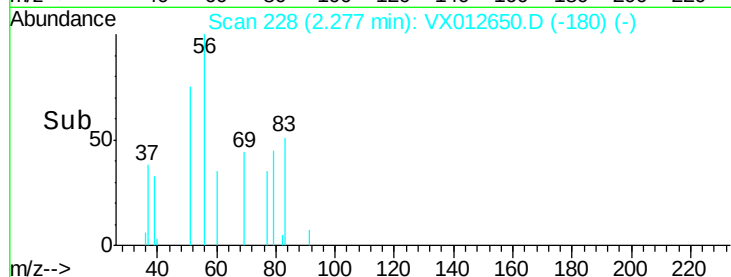
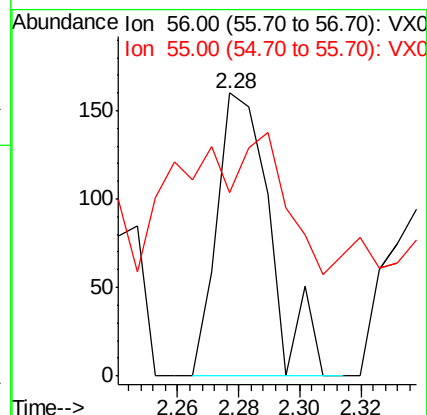
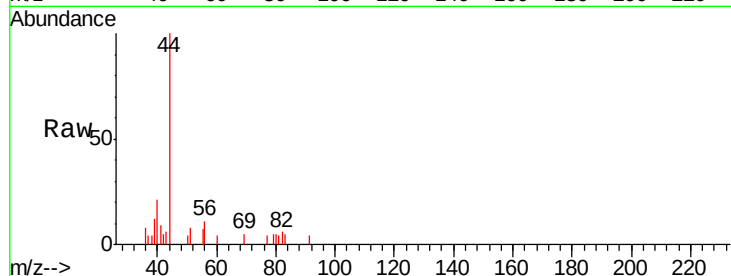
VX0925WBL01

Tgt Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 138.5 55.8 83.8#



#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

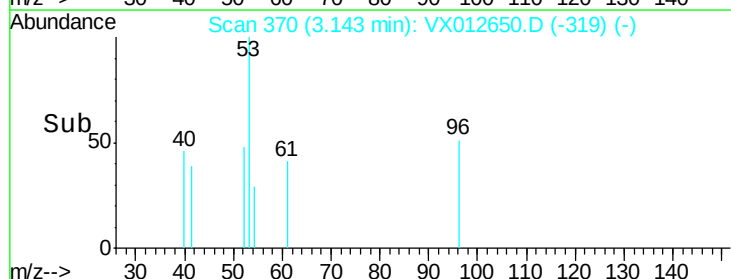
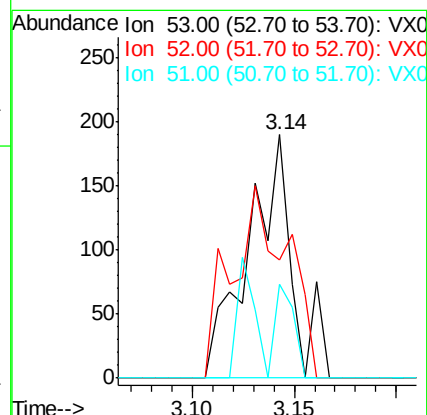
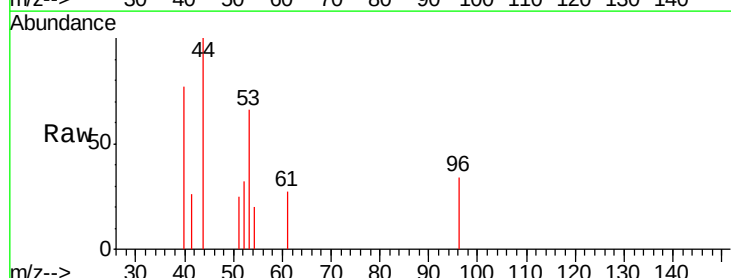
Tgt Ion: 53 Resp: 284

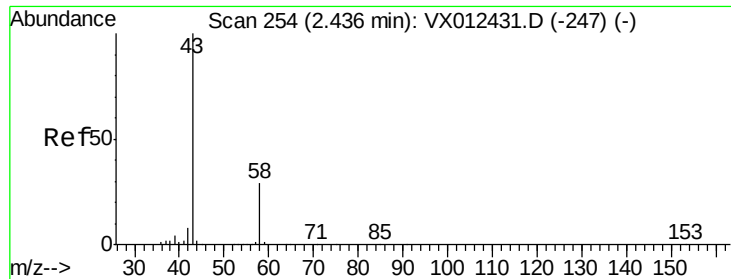
Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 16.5 29.6 44.4#





#16

Acetone

Concen: 1.121 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

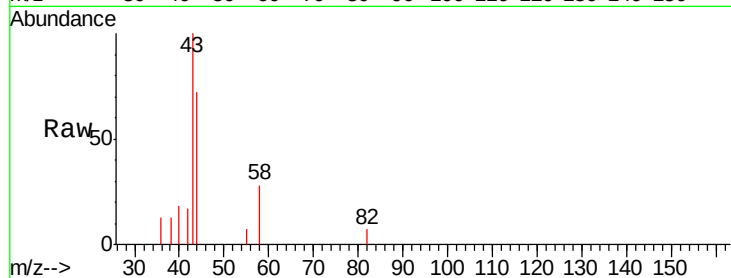
VX0925WBL01

Tgt Ion: 43 Resp: 1546

Ion Ratio Lower Upper

43 100

58 28.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

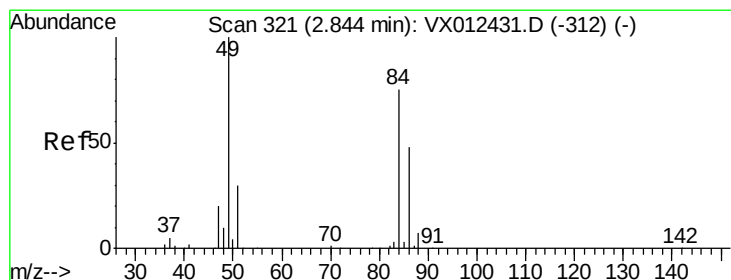
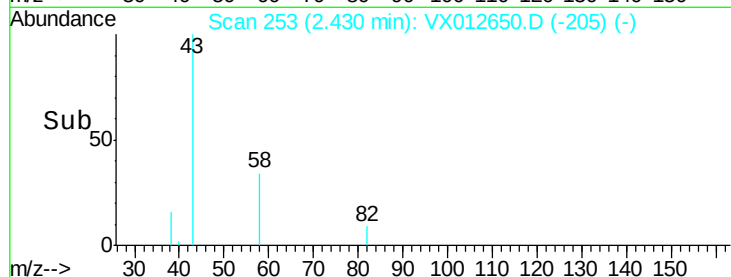
400

200

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.338 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Tgt Ion: 84 Resp: 788

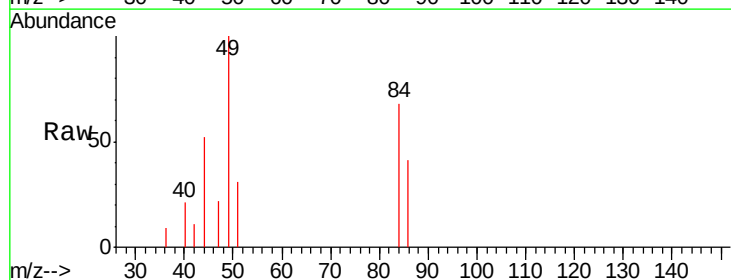
Ion Ratio Lower Upper

84 100

49 146.2 106.8 160.2

51 45.5 32.3 48.5

86 60.1 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

1000

800

600

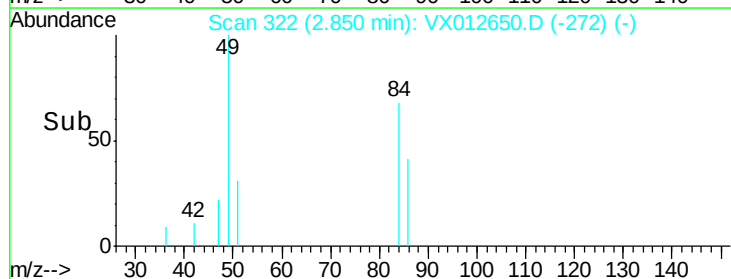
400

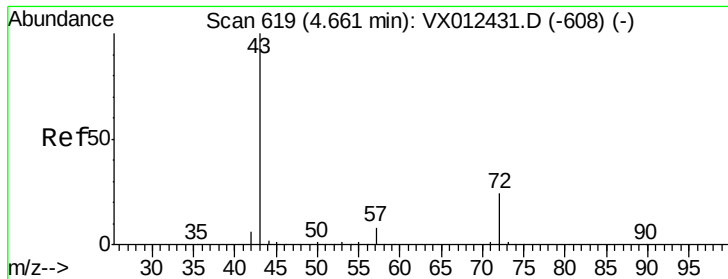
200

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.359 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

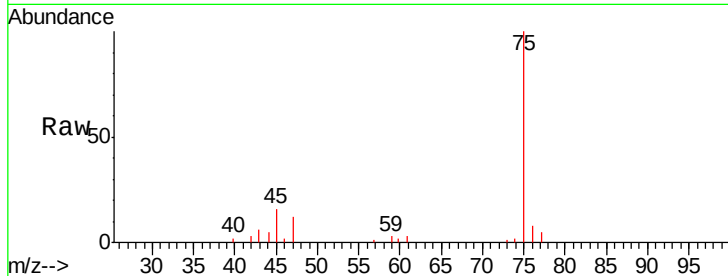
VX0925WBL01

Tgt Ion: 43 Resp: 710

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

300

250

200

150

100

50

0

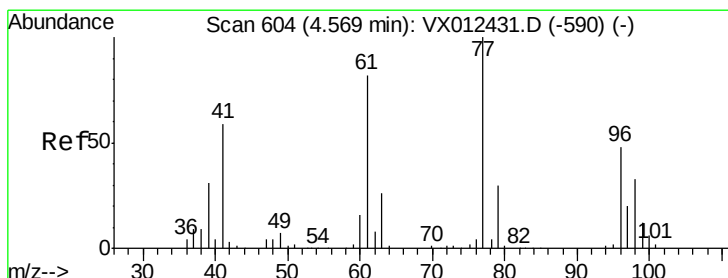
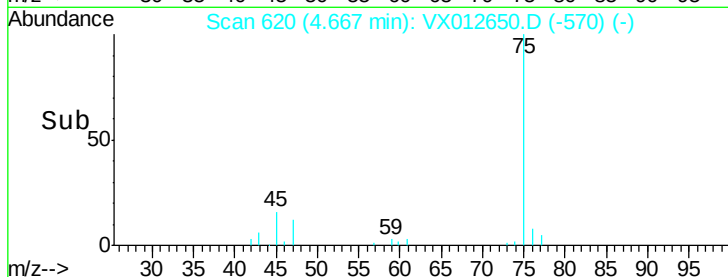
4.60

4.65

4.70

4.75

Time-->



#26

2,2-Dichloropropane

Concen: 0.201 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.09 min

Lab File: VX012650.D

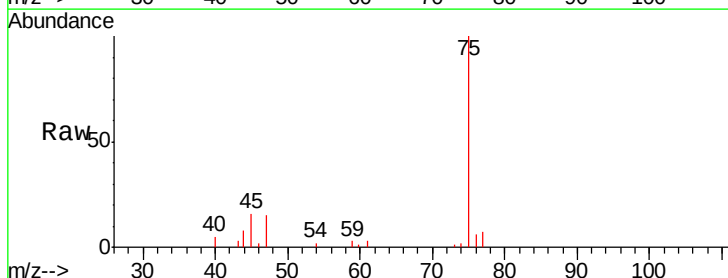
Acq: 25 Sep 2019 10:48

Tgt Ion: 77 Resp: 717

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

300

250

200

150

100

50

0

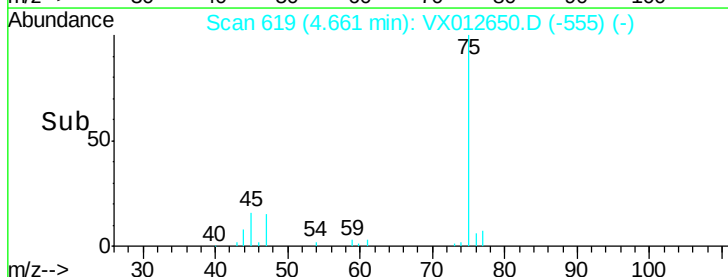
4.60

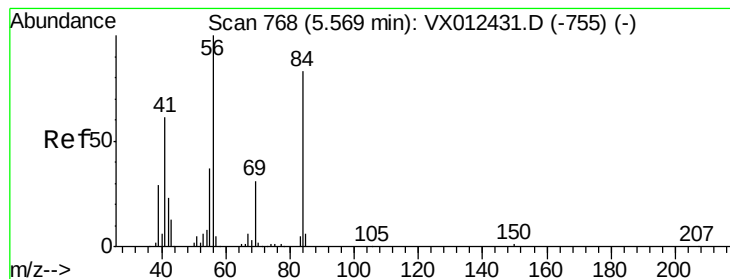
4.65

4.70

4.75

Time-->





#31

Cyclohexane

Concen: 1.278 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBL01

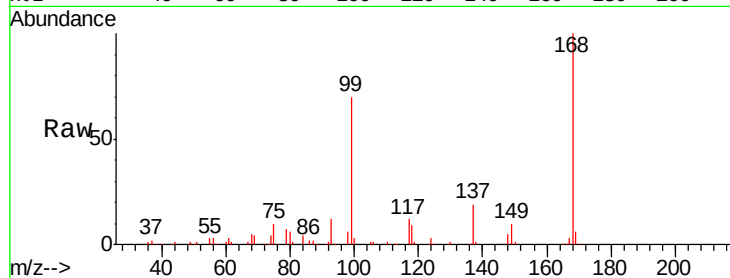
Tgt Ion: 56 Resp: 4632

Ion Ratio Lower Upper

56 100

69 170.5 25.0 37.6#

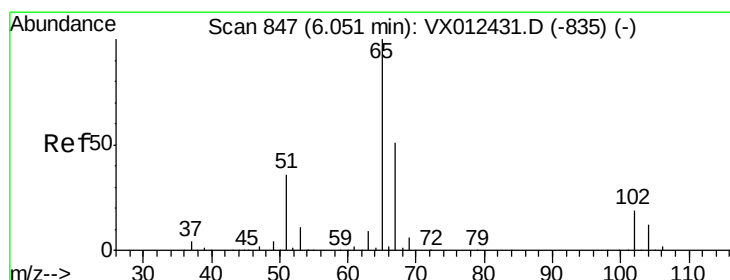
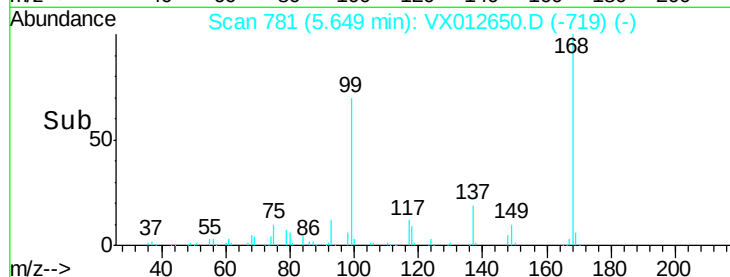
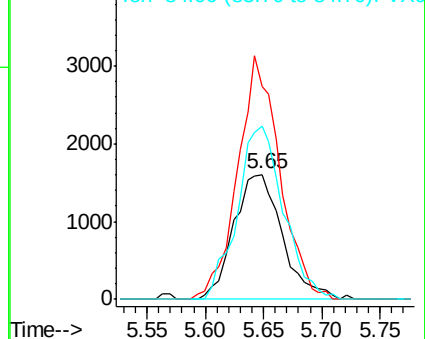
84 138.7 66.4 99.6#



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: 50.633 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012650.D

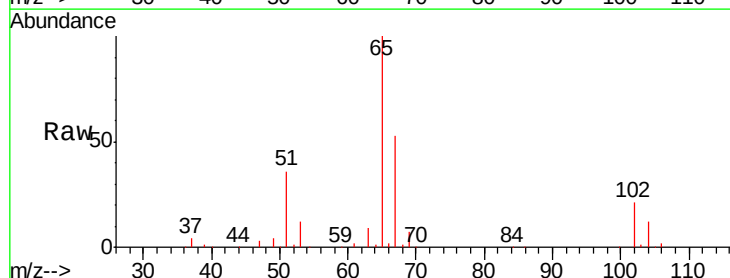
Acq: 25 Sep 2019 10:48

Tgt Ion: 65 Resp: 131883

Ion Ratio Lower Upper

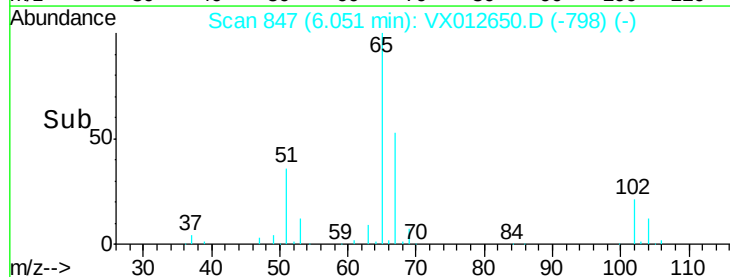
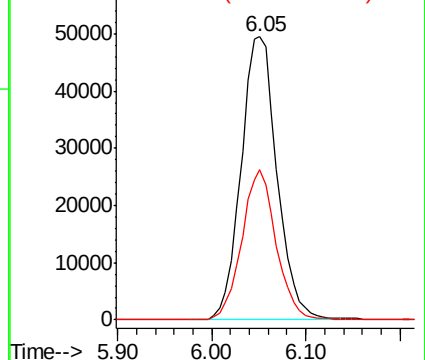
65 100

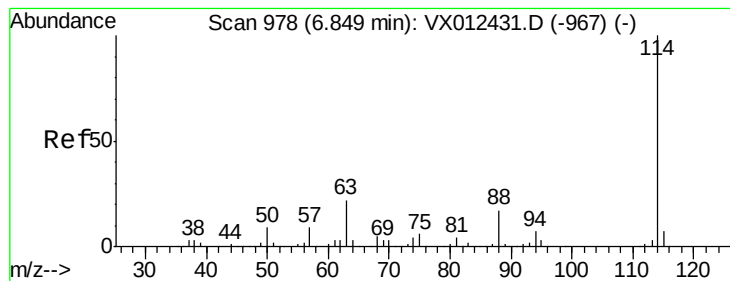
67 50.6 0.0 101.2



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: VX012650.D

Acq: 25 Sep 2019 10:48

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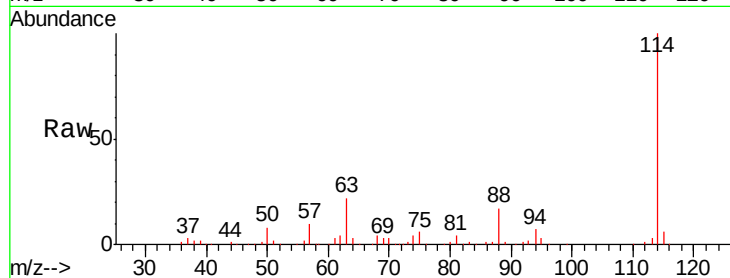
Tgt Ion:114 Resp: 310345

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

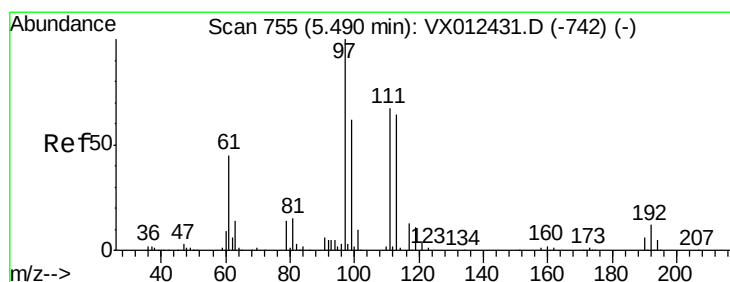
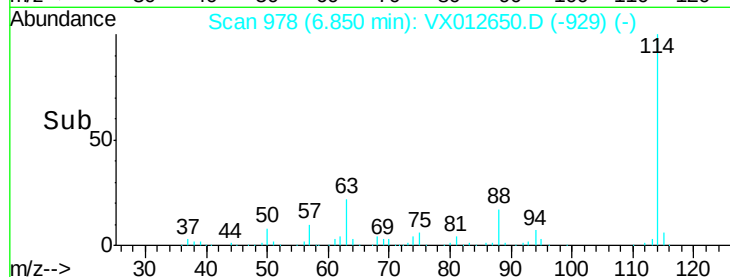
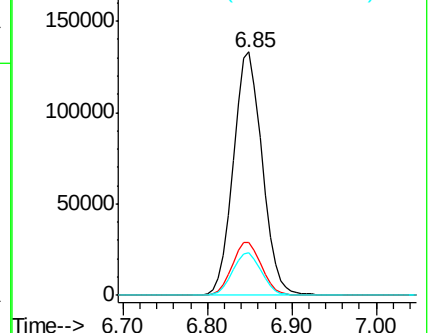
88 17.3 0.0 33.2



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: 50.666 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

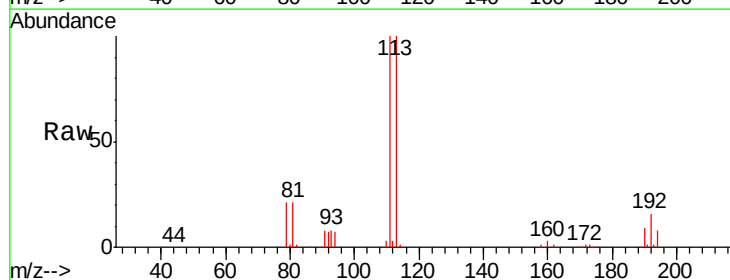
Tgt Ion:113 Resp: 93643

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

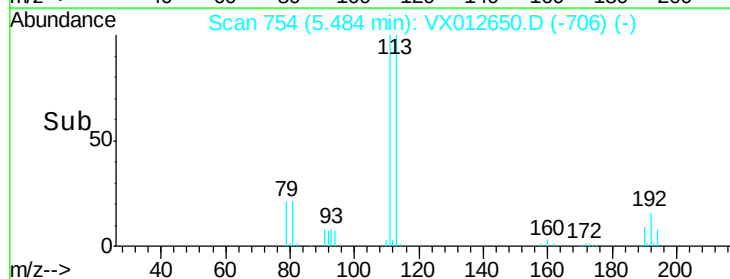
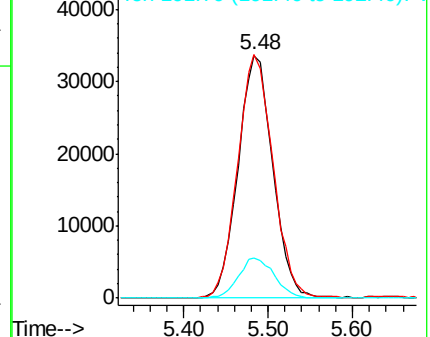
192 17.2 14.4 21.6

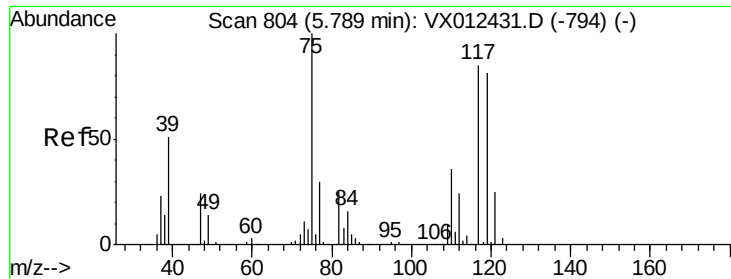


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

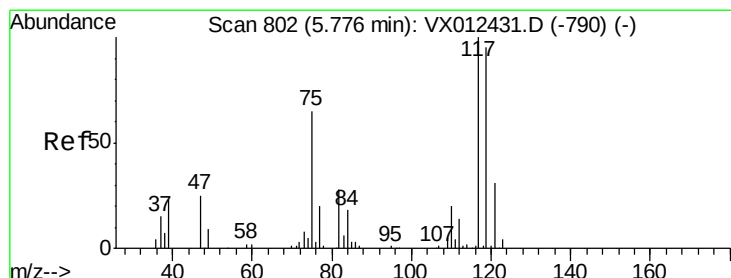
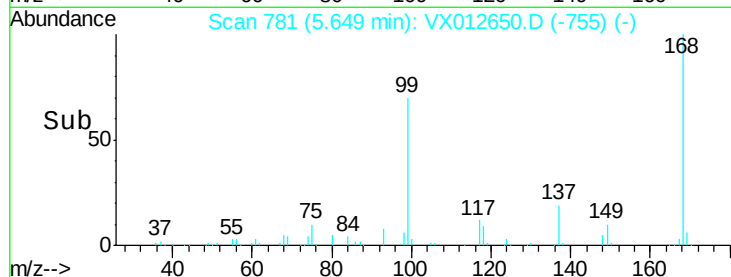
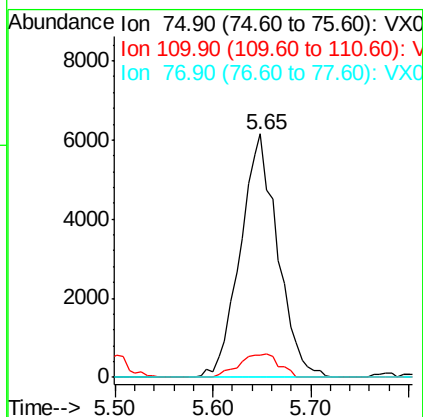
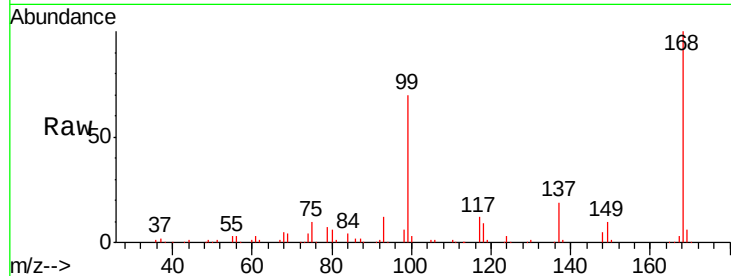




#36
 1,1-Dichloropropene
 Concen: 5.429 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012650.D
 Acq: 25 Sep 2019 10:48

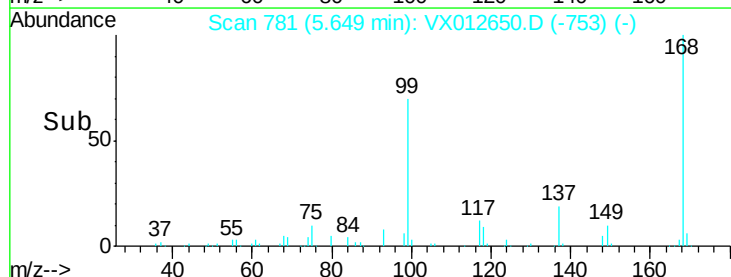
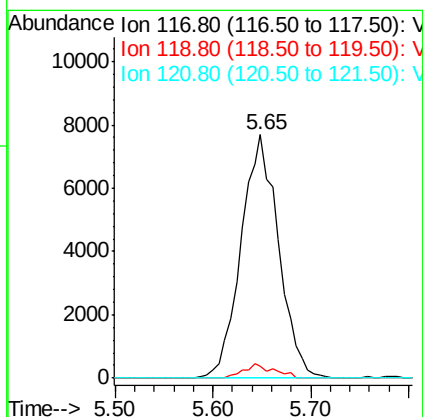
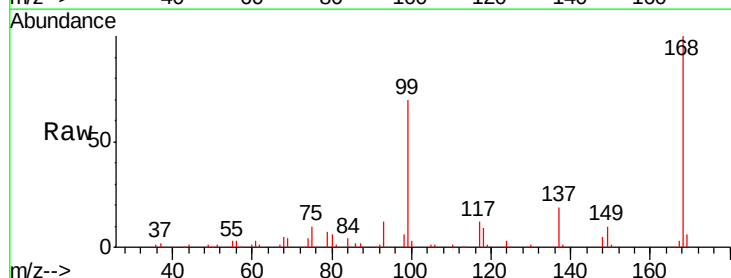
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBL01

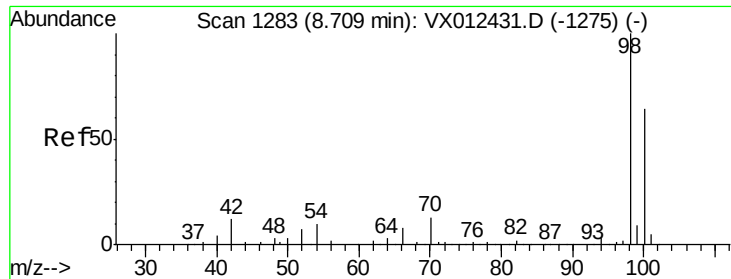
Tgt Ion: 75 Resp: 16240
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.714 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012650.D
 Acq: 25 Sep 2019 10:48

Tgt Ion: 117 Resp: 20401
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.7 113.5#
 121 0.0 24.2 36.4#

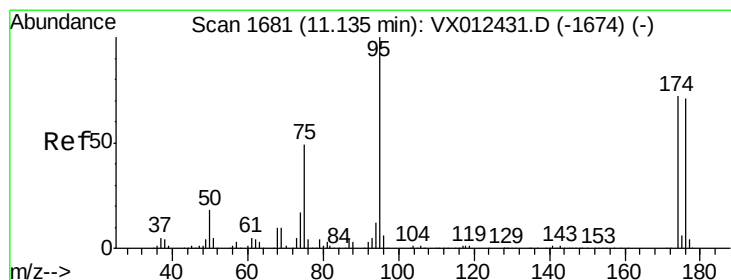
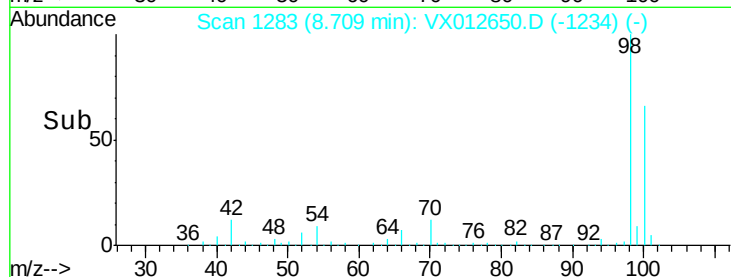
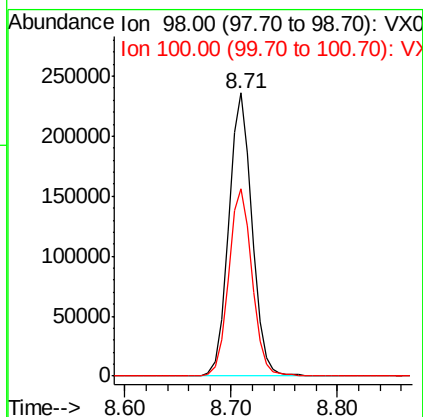
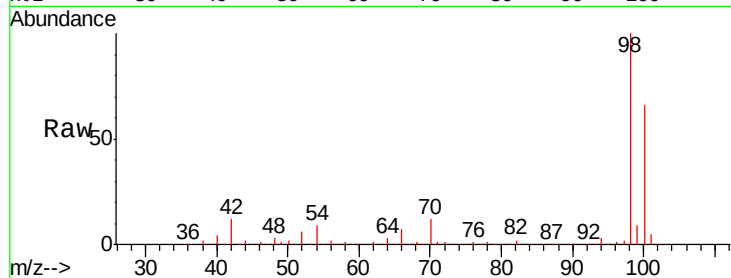




#50
Toluene-d8
Concen: 50.857 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012650.D
Acq: 25 Sep 2019 10:48

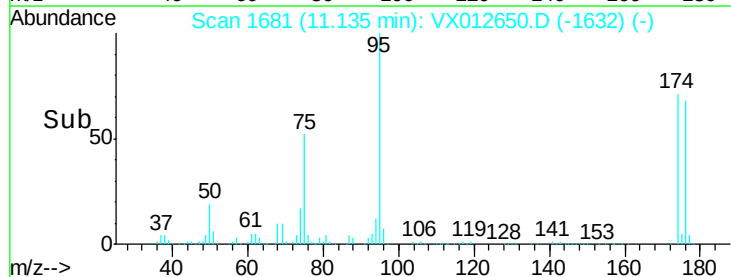
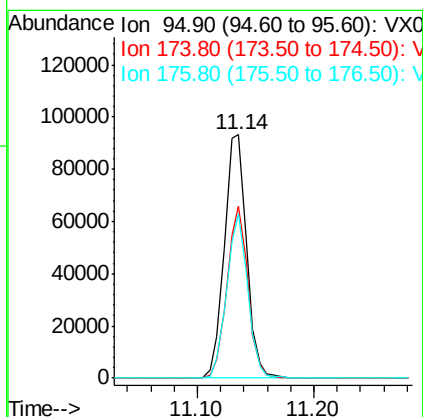
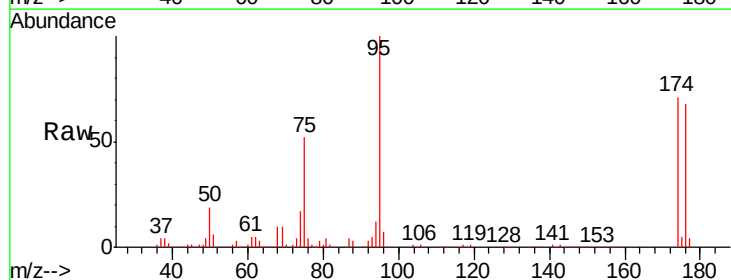
Instrument :
MSVOA_X
ClientSampled :
VX0925WBL01

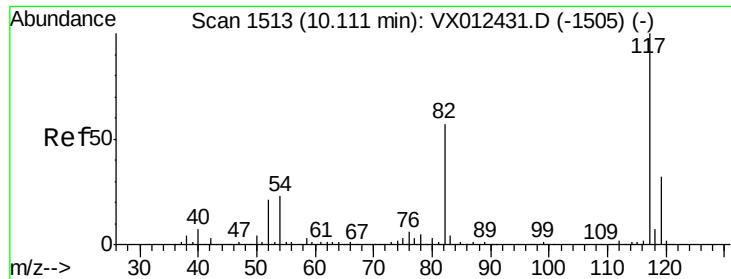
Tgt Ion: 98 Resp: 361985
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.000 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012650.D
Acq: 25 Sep 2019 10:48

Tgt Ion: 95 Resp: 123143
Ion Ratio Lower Upper
95 100
174 66.8 0.0 140.0
176 64.0 0.0 135.4

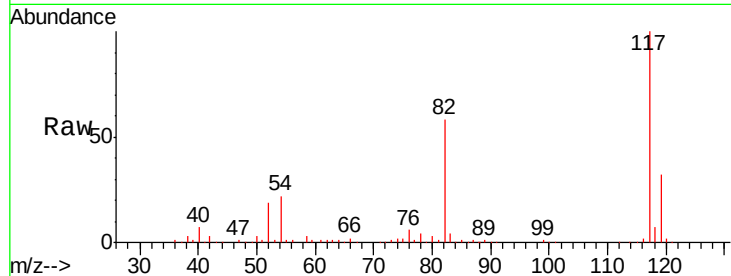




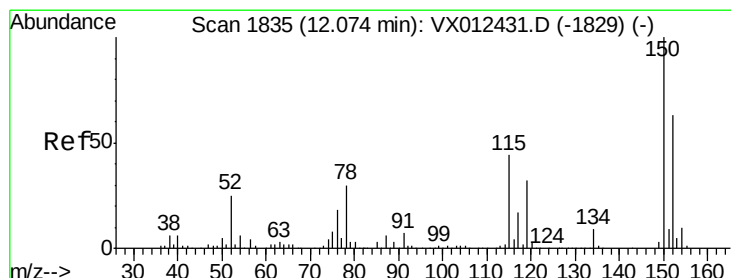
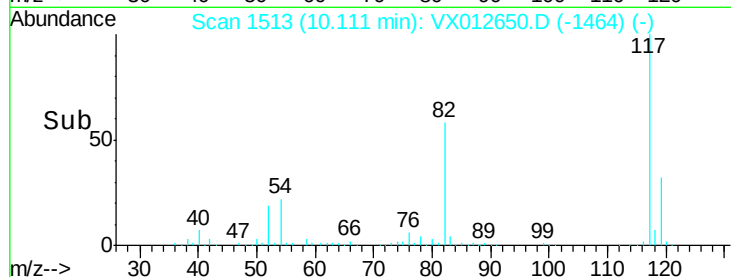
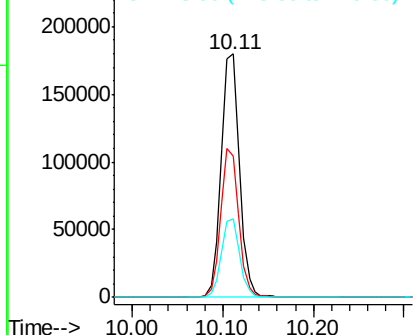
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012650.D
Acq: 25 Sep 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Tgt Ion:117 Resp: 255462
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 32.0 25.3 37.9

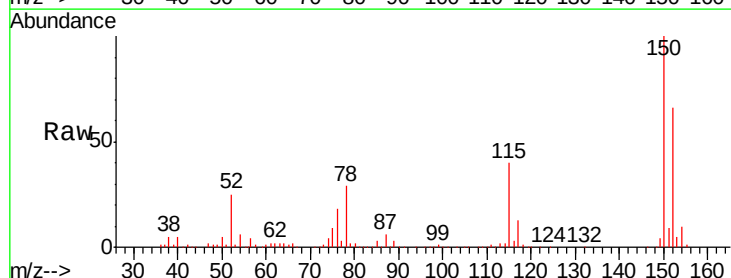


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

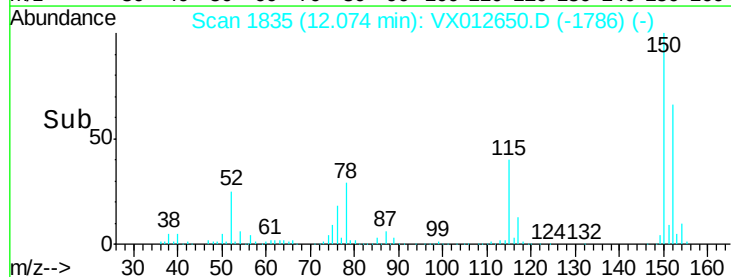
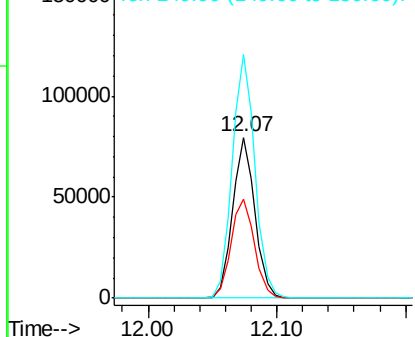


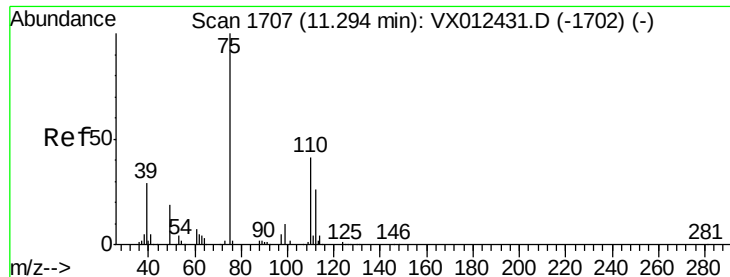
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012650.D
Acq: 25 Sep 2019 10:48

Tgt Ion:152 Resp: 96369
Ion Ratio Lower Upper
152 100
115 64.6 44.1 132.3
150 154.2 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: 25.293 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

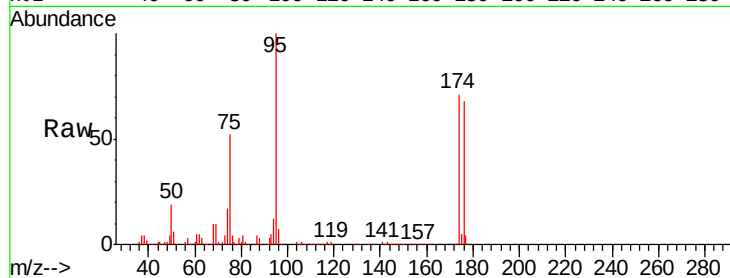
VX0925WBL01

Tgt Ion: 75 Resp: 64477

Ion Ratio Lower Upper

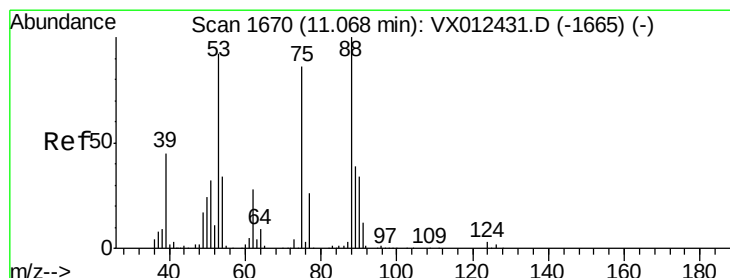
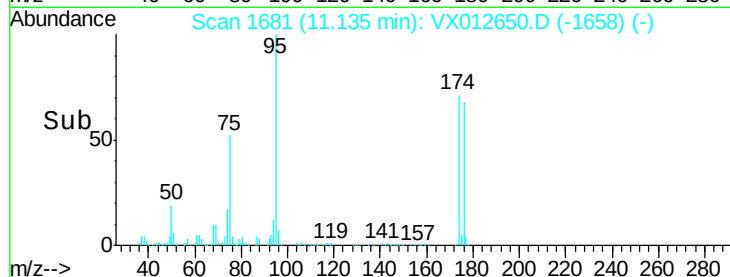
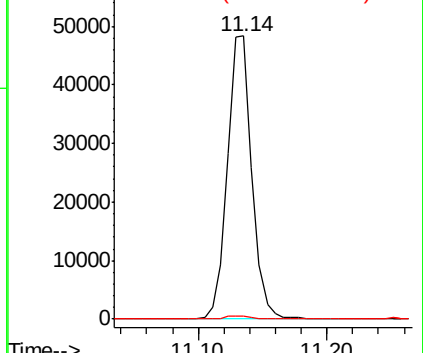
75 100

77 1.2 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: 72.484 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012650.D

Acq: 25 Sep 2019 10:48

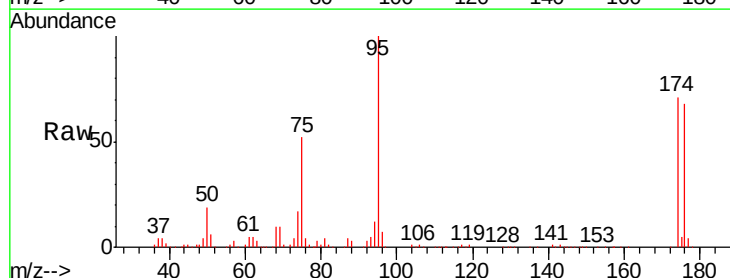
Tgt Ion: 75 Resp: 64477

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

