

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041119\
 Data File : VX008847.D
 Acq On : 11 Apr 2019 13:25
 Operator : JC/SP
 Sample : VX0411WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBL01

Quant Time: Apr 12 07:33:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

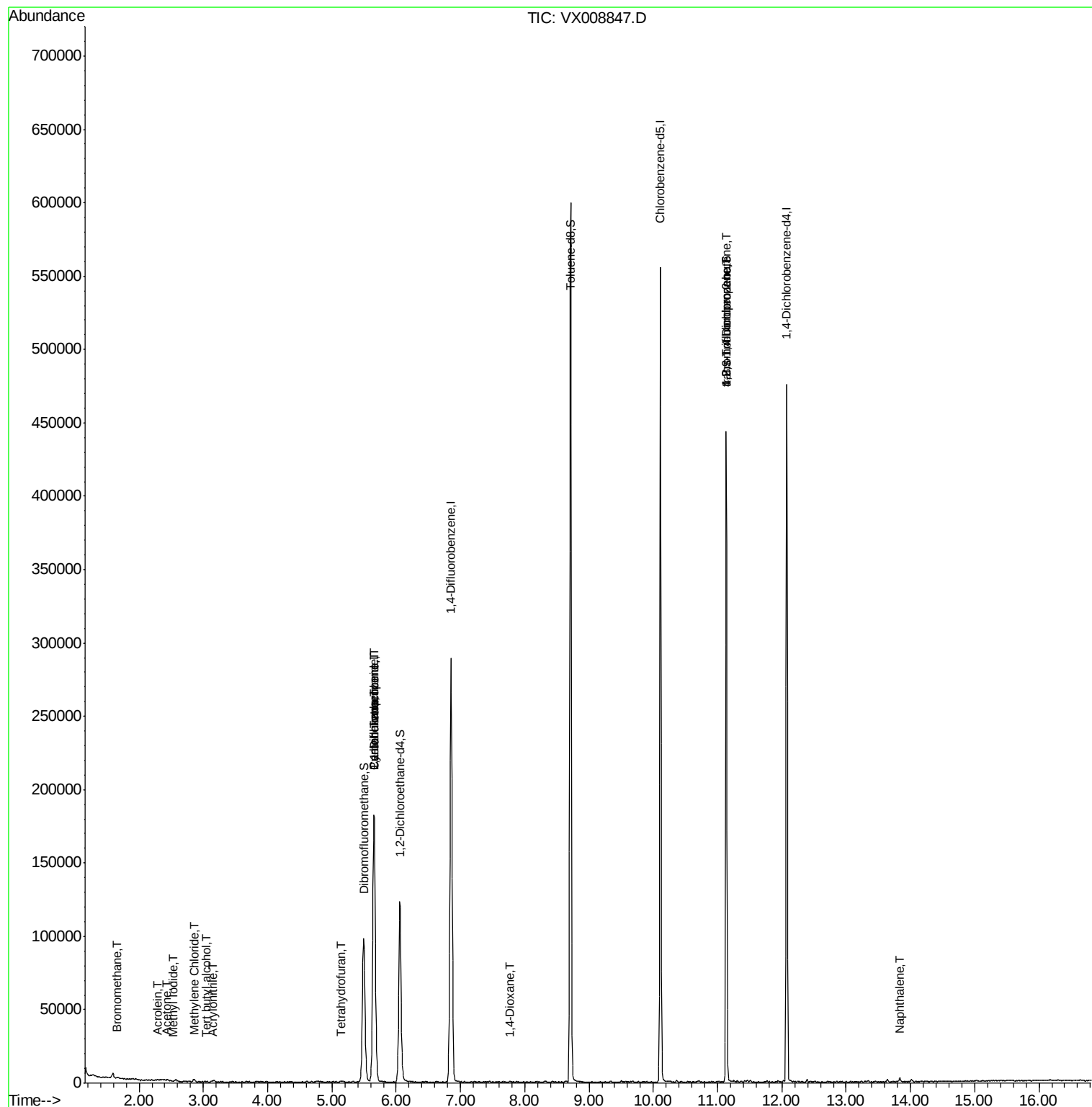
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	176252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97351	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115201	44.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.62%	
35) Dibromofluoromethane	5.49	113	84359	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	349688	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.13	95	113164	44.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.44%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	424	Below Cal		93
5) Bromomethane	1.65	94	446	2.203 ug/l		85
6) Chloroethane	1.75	64	65	Below Cal	#	43
10) Methyl Iodide	2.53	142	311	4.164 ug/l	#	85
11) Tert butyl alcohol	3.04	59	312	0.518 ug/l	#	72
13) Acrolein	2.29	56	272	0.911 ug/l		91
15) Acrylonitrile	3.14	53	643	0.403 ug/l	#	87
16) Acetone	2.43	43	887	0.599 ug/l	#	79
17) Carbon Disulfide	2.57	76	1519	Below Cal	#	72
20) Methylene Chloride	2.85	84	864	0.349 ug/l	#	89
28) Bromochloromethane	5.03	49	205	Below Cal	#	47
29) Tetrahydrofuran	5.14	42	715	0.460 ug/l	#	51
31) Cyclohexane	5.65	56	4325	0.974 ug/l	#	1
36) 1,1-Dichloropropene	5.65	75	14107	4.553 ug/l	#	51
38) Carbon Tetrachloride	5.65	117	16757	6.534 ug/l	#	16
49) 1,4-Dioxane	7.76	88	30	0.489 ug/l	#	1
76) 1,2,3-Trichloropropane	11.13	75	57993	21.685 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57993	59.776 ug/l	#	9
95) Naphthalene	13.83	128	1739	0.217 ug/l		95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

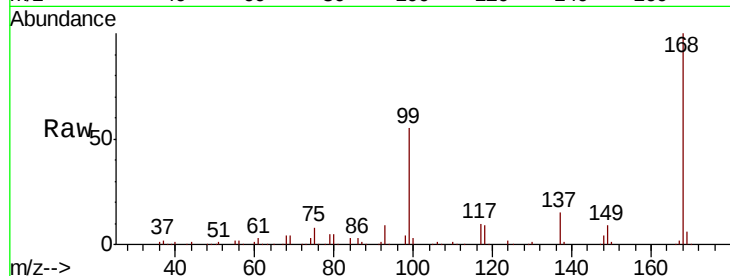
VX0411WBL01

Tgt Ion:168 Resp: 176252

Ion Ratio Lower Upper

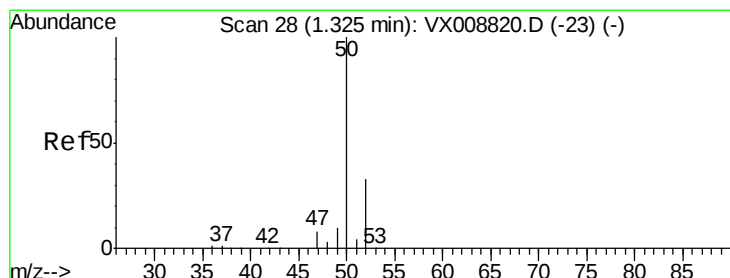
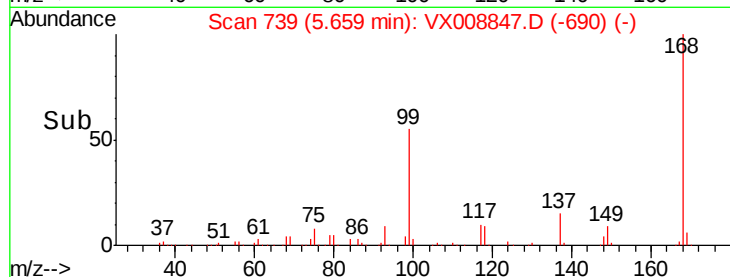
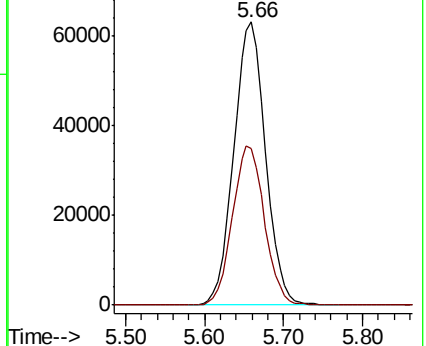
168 100

99 55.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008847.D

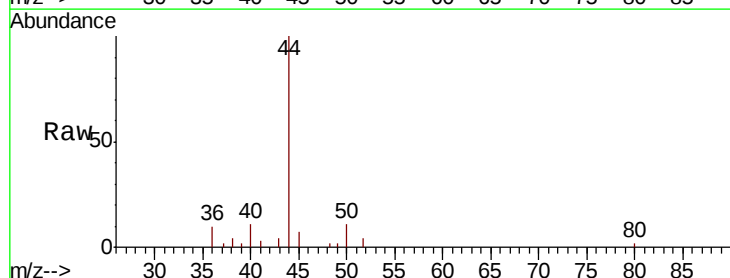
Acq: 11 Apr 2019 13:25

Tgt Ion: 50 Resp: 424

Ion Ratio Lower Upper

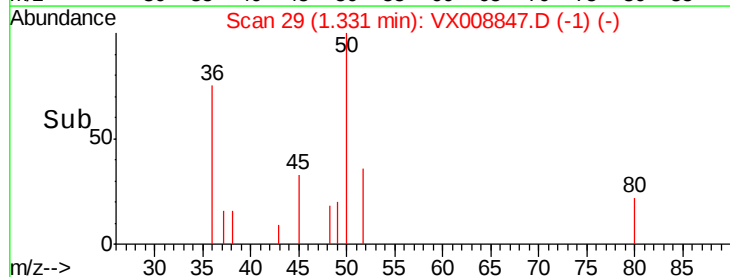
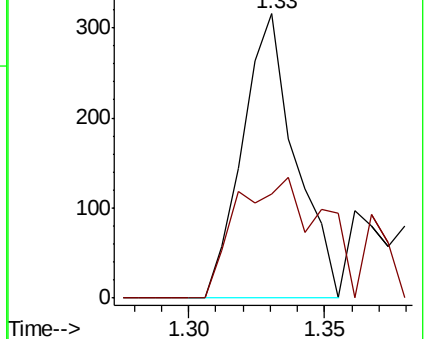
50 100

52 36.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.203 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

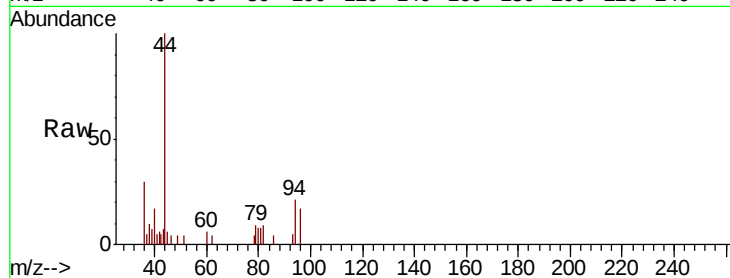
VX0411WBL01

Tgt Ion: 94 Resp: 446

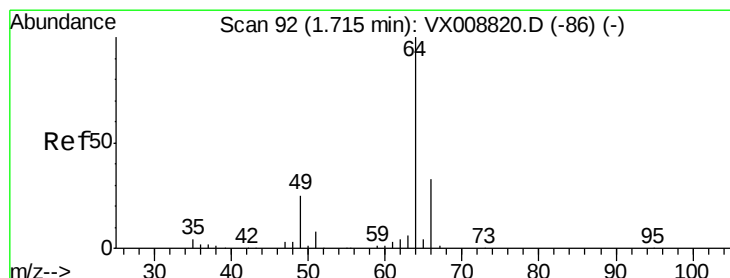
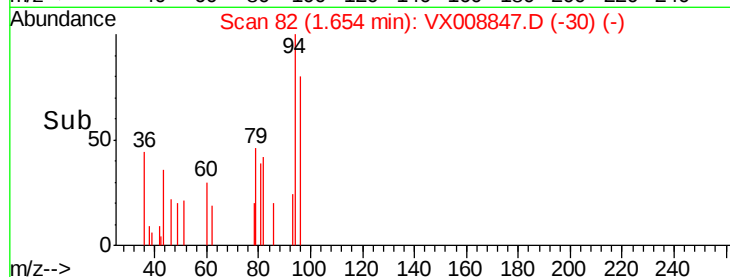
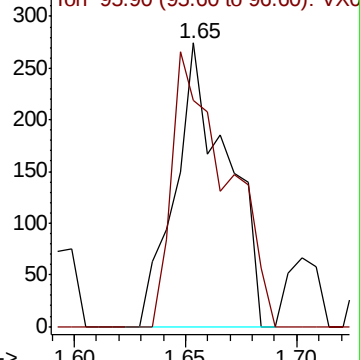
Ion Ratio Lower Upper

94 100

96 79.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX008847.D

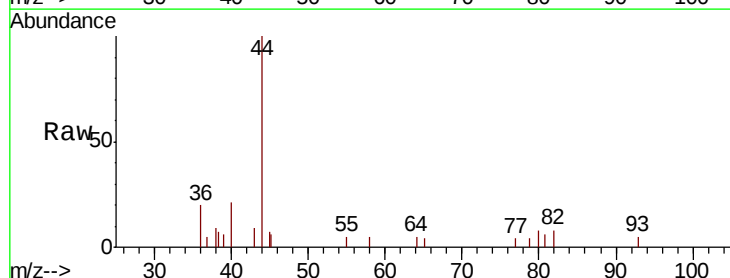
Acq: 11 Apr 2019 13:25

Tgt Ion: 64 Resp: 65

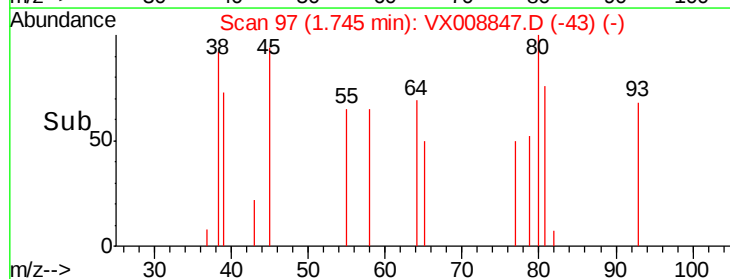
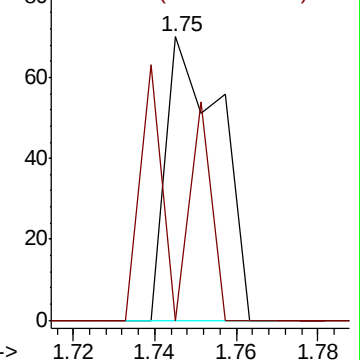
Ion Ratio Lower Upper

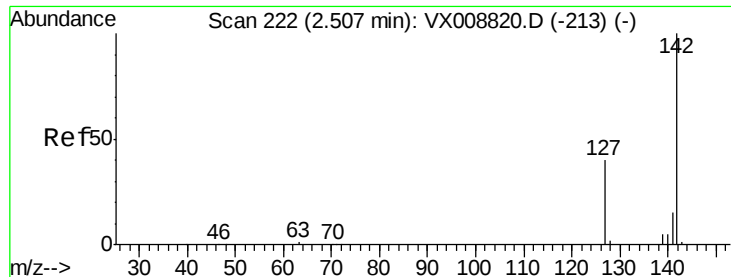
64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

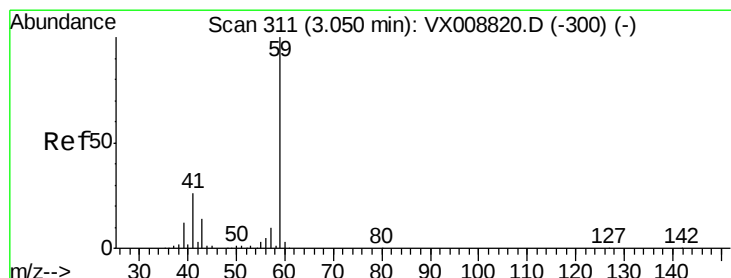
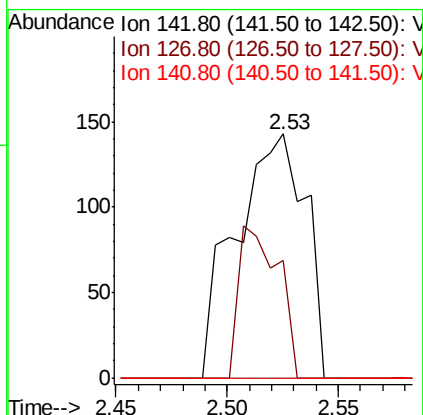
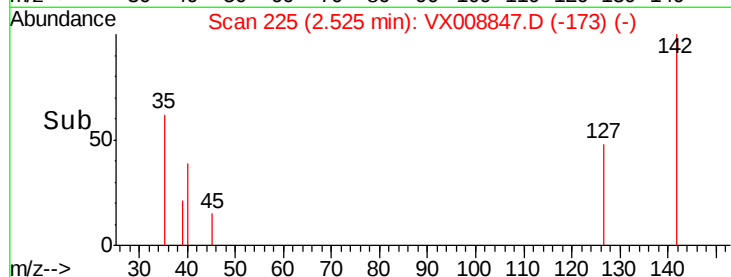
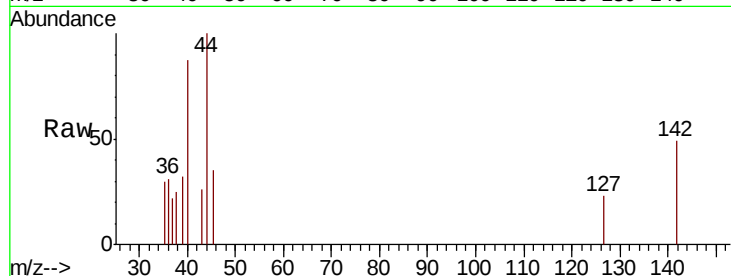




#10
Methyl Iodide
Concen: 4.164 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

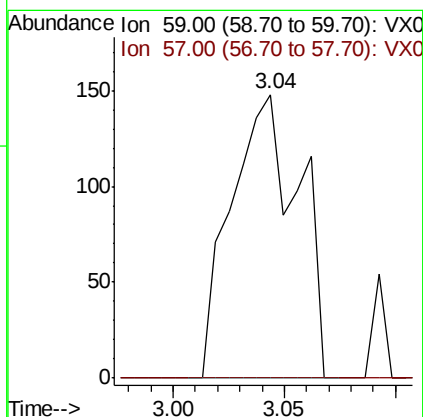
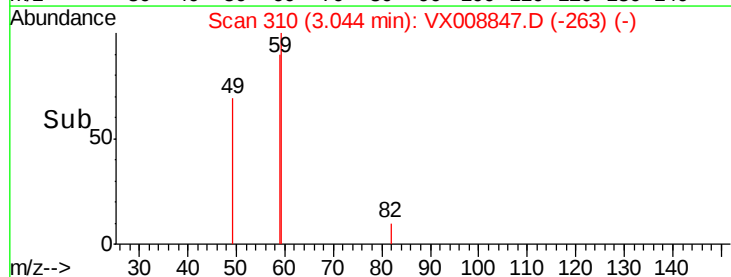
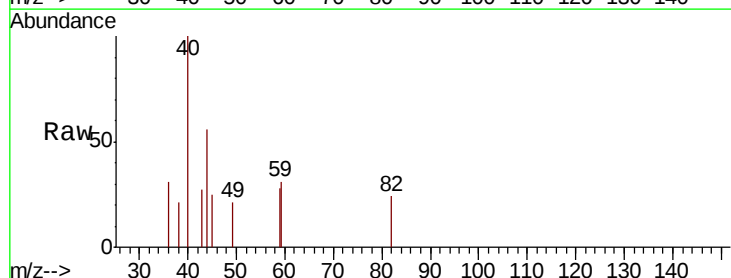
Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

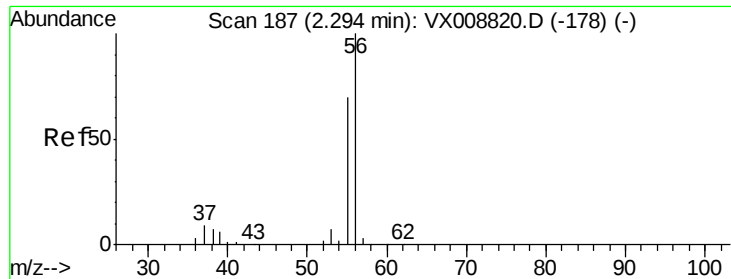
Tgt Ion: 142 Resp: 311
Ion Ratio Lower Upper
142 100
127 36.0 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.911 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

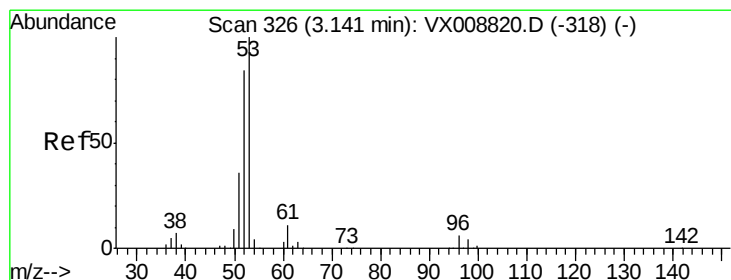
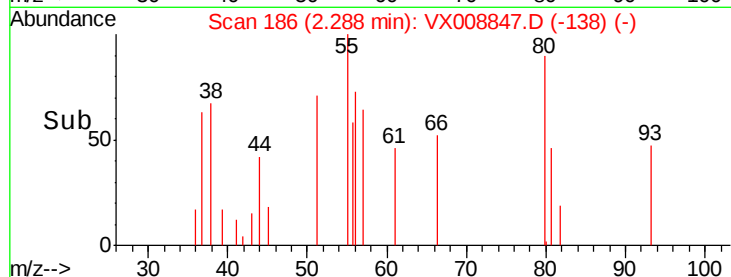
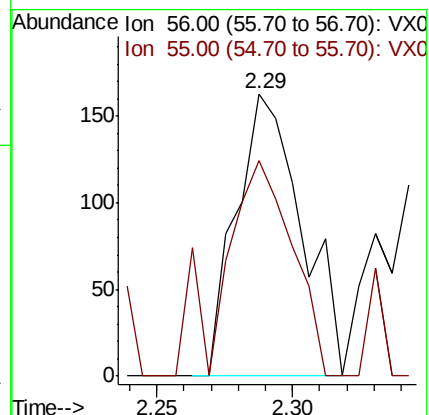
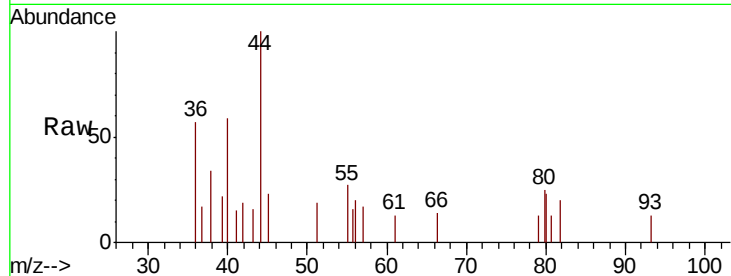
VX0411WBL01

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 80.1 58.0 87.0



#15

Acrylonitrile

Concen: 0.403 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

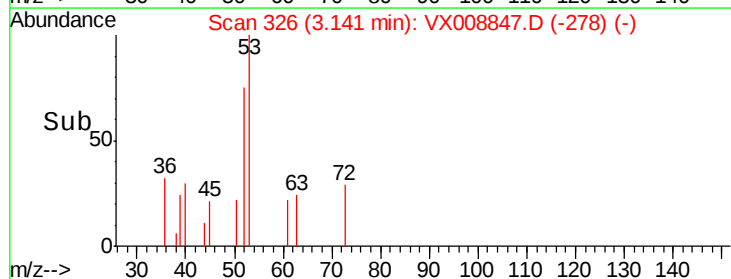
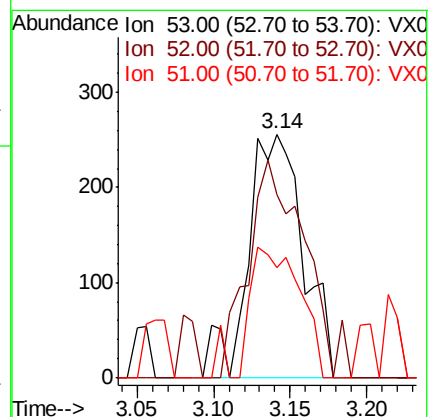
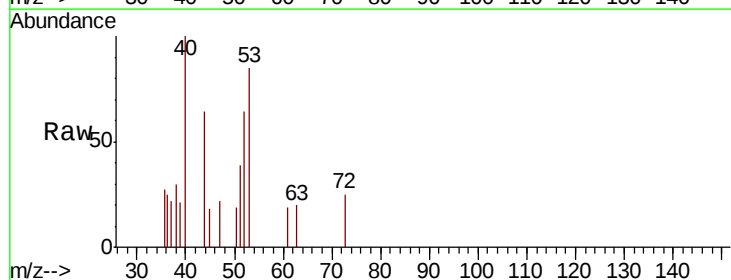
Tgt Ion: 53 Resp: 643

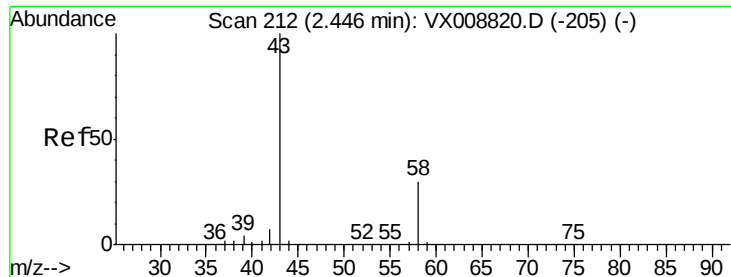
Ion Ratio Lower Upper

53 100

52 92.4 66.5 99.7

51 47.7 28.6 42.8#





#16

Acetone

Concen: 0.599 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

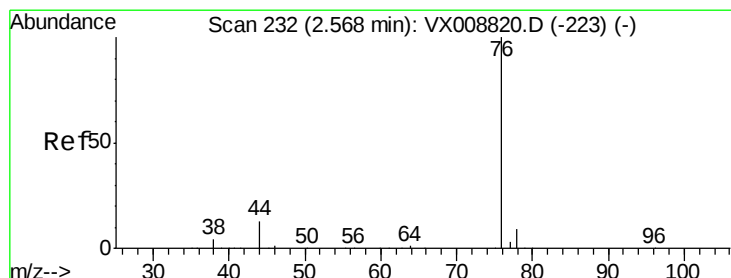
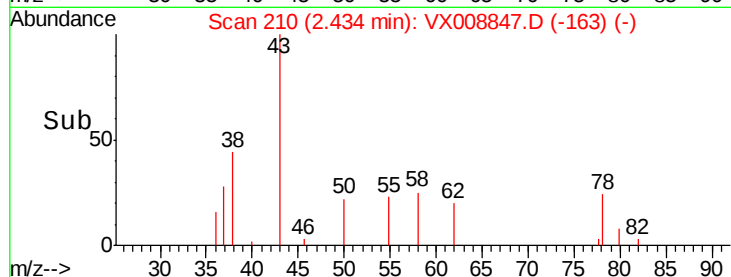
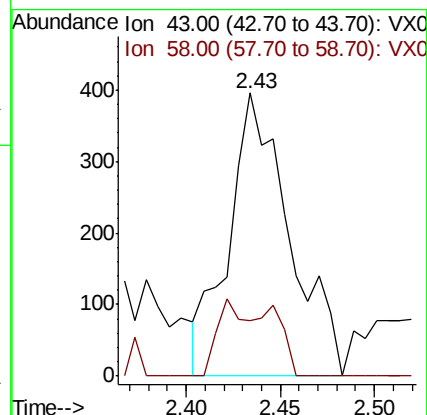
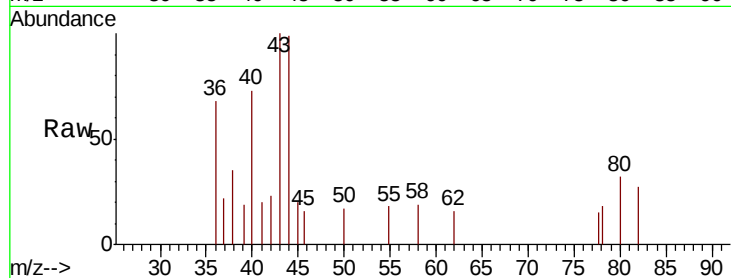
VX0411WBL01

Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

58 19.4 24.8 37.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008847.D

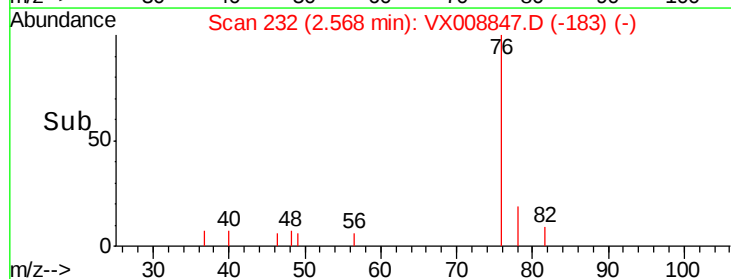
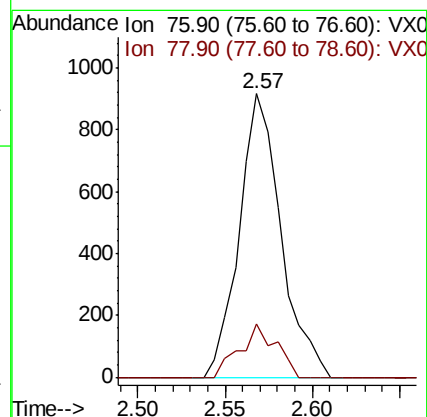
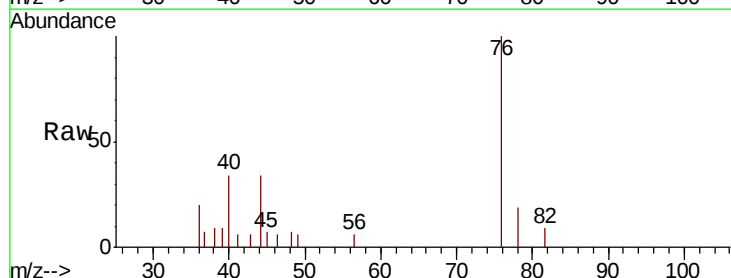
Acq: 11 Apr 2019 13:25

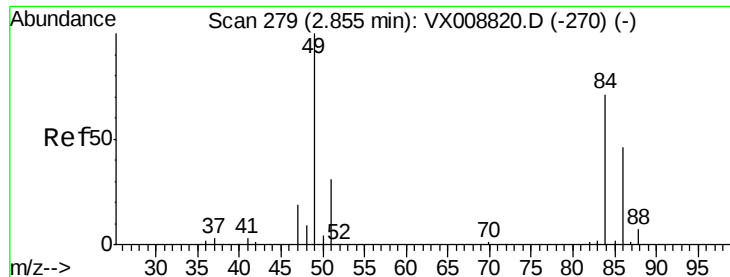
Tgt Ion: 76 Resp: 1519

Ion Ratio Lower Upper

76 100

78 18.9 7.1 10.7#

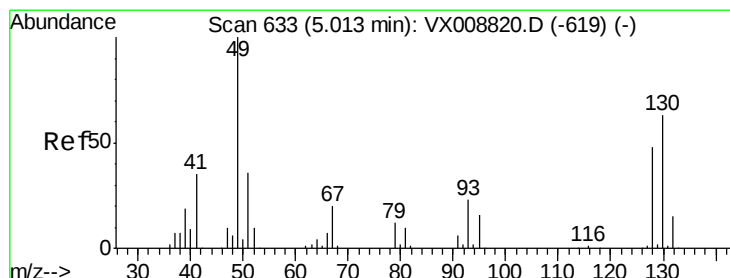
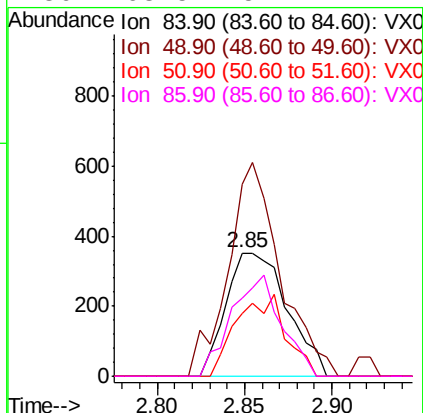
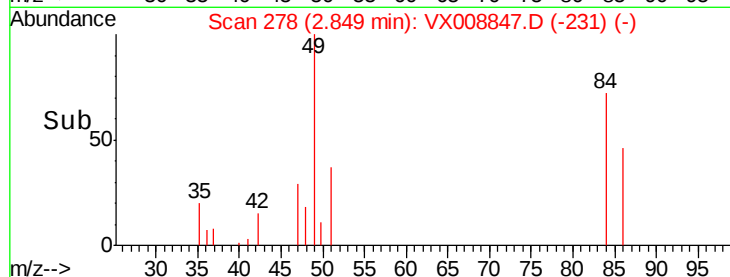
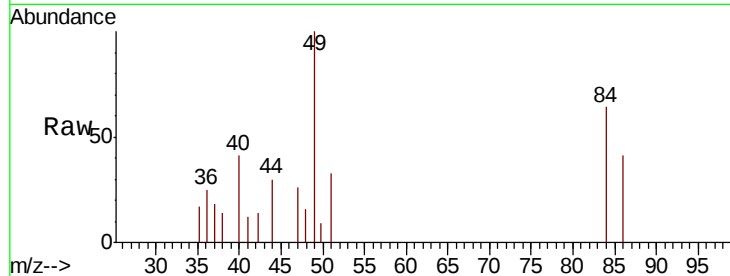




#20
Methylene Chloride
Concen: 0.349 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

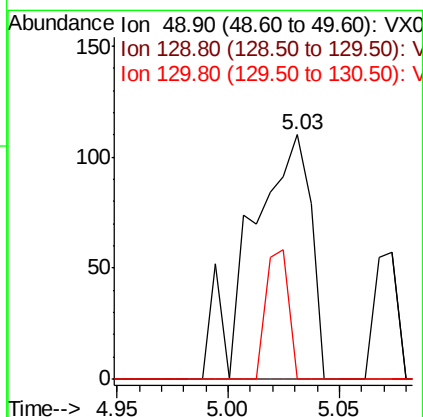
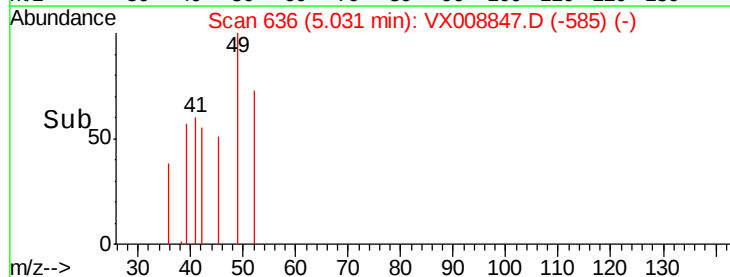
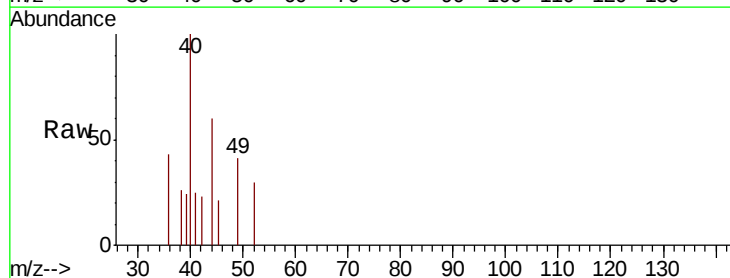
Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

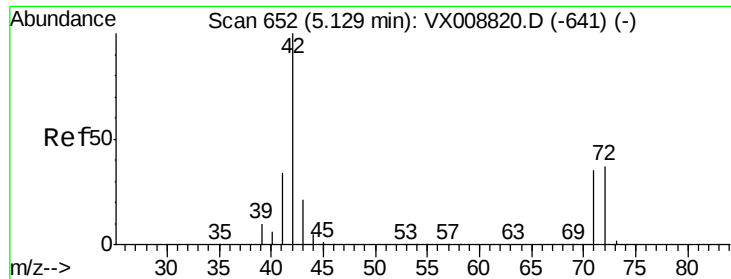
Tgt Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 155.5 109.7 164.5
51 51.0 33.6 50.4#
86 63.5 51.4 77.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Tgt Ion: 49 Resp: 205
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 20.0 49.3 73.9#

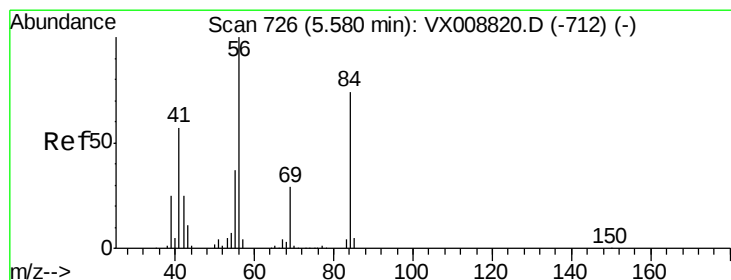
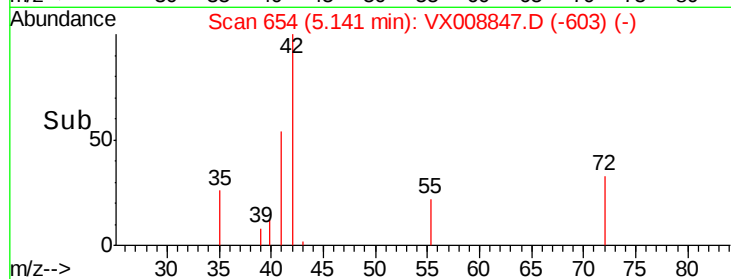
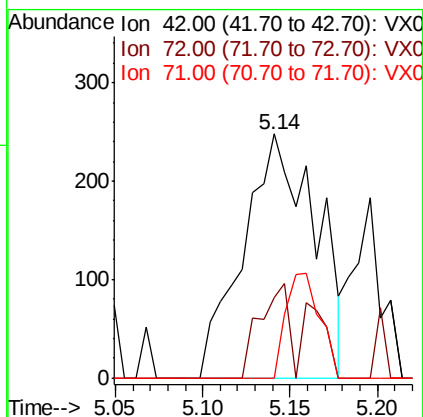
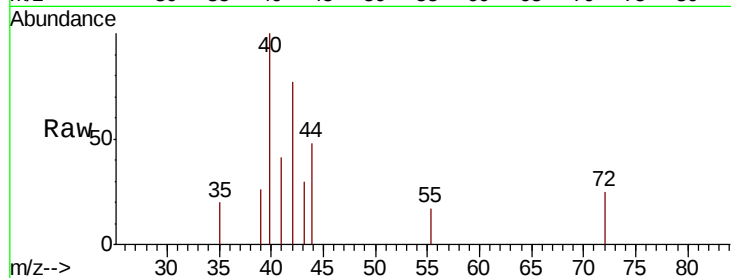




#29
Tetrahydrofuran
Concen: 0.460 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

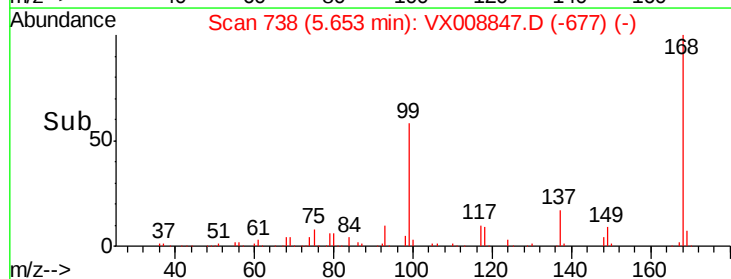
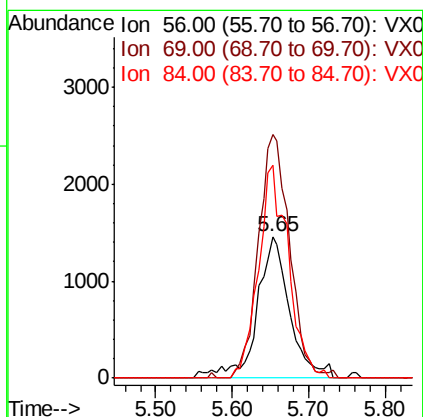
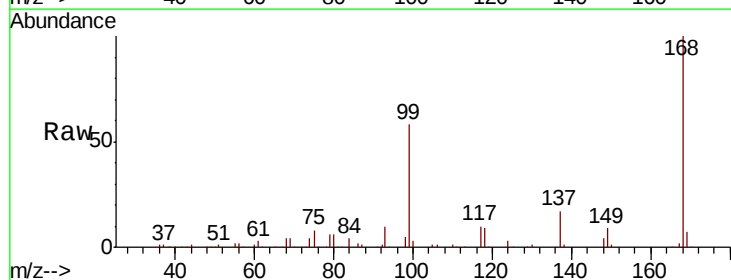
Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

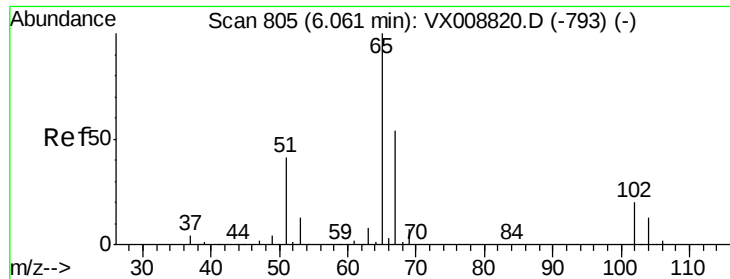
Tgt Ion: 42 Resp: 715
Ion Ratio Lower Upper
42 100
72 15.2 30.5 45.7#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Tgt Ion: 56 Resp: 4325
Ion Ratio Lower Upper
56 100
69 171.7 22.6 33.8#
84 150.2 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 44.812 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

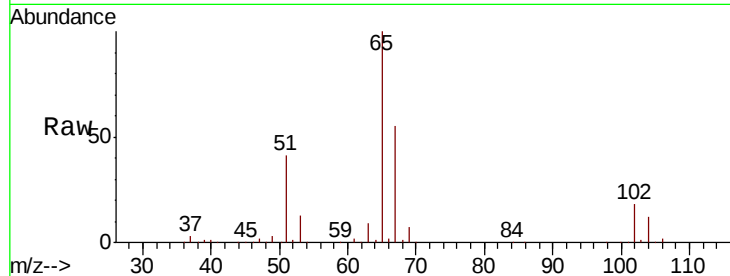
VX0411WBL01

Tgt Ion: 65 Resp: 115201

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

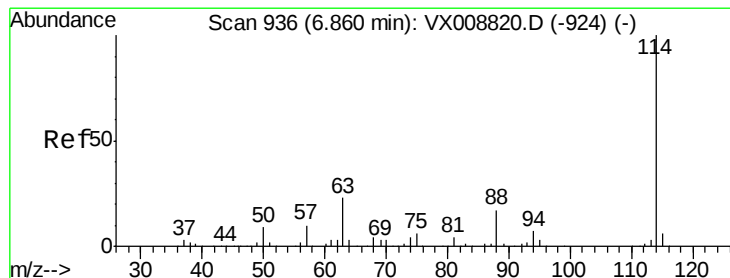
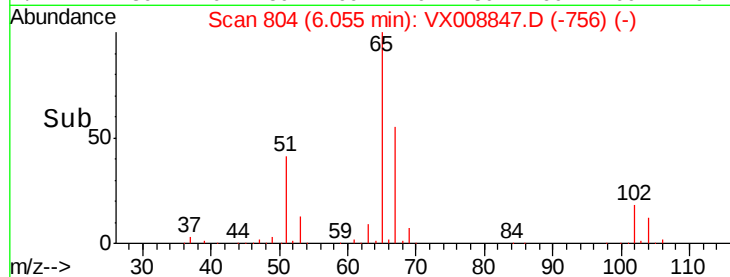
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

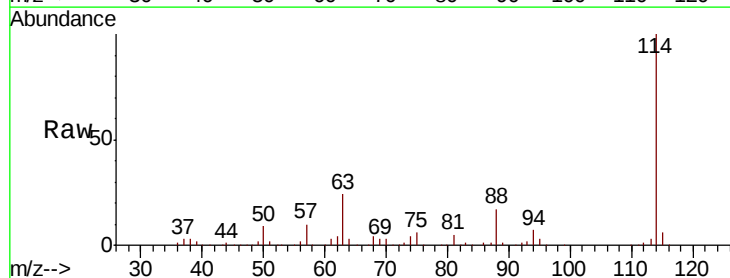
Tgt Ion: 114 Resp: 283455

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.2

88 16.8 0.0 34.0



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

150000

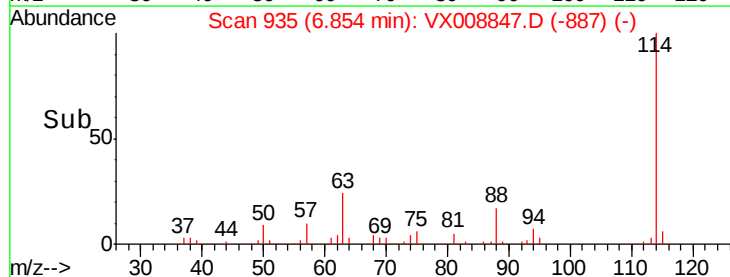
100000

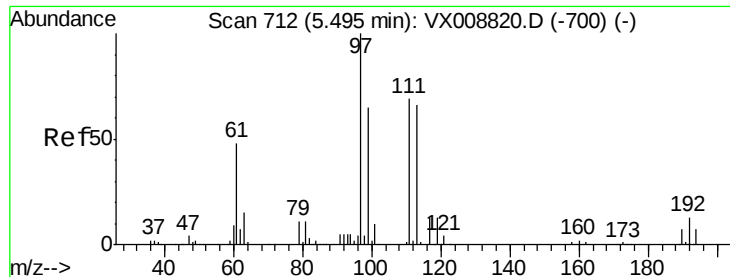
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.548 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBL01

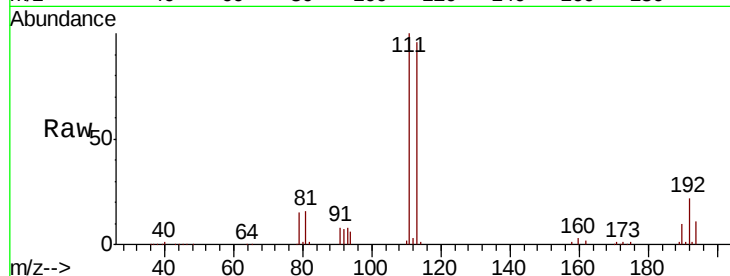
Tgt Ion:113 Resp: 84359

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

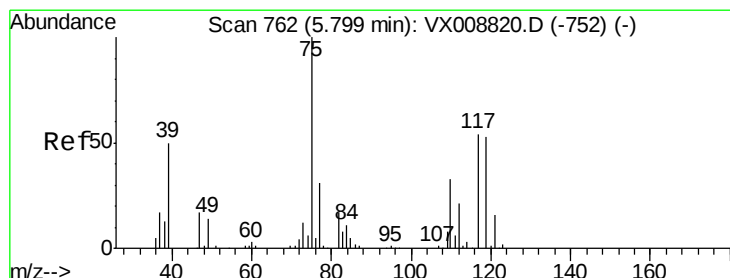
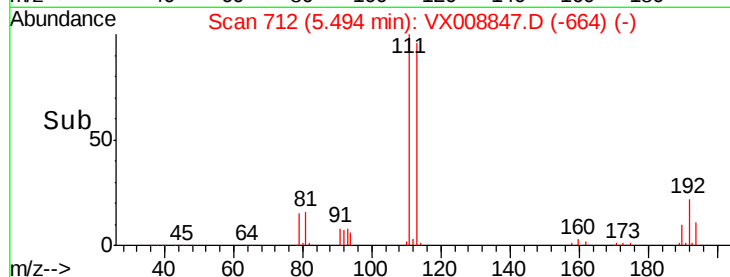
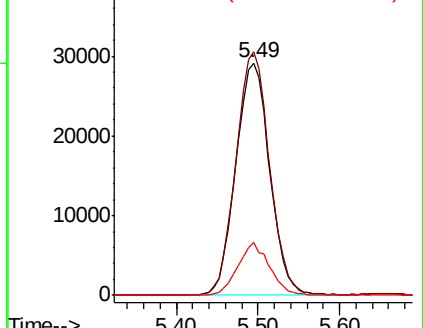
192 21.2 16.1 24.1



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: 4.553 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

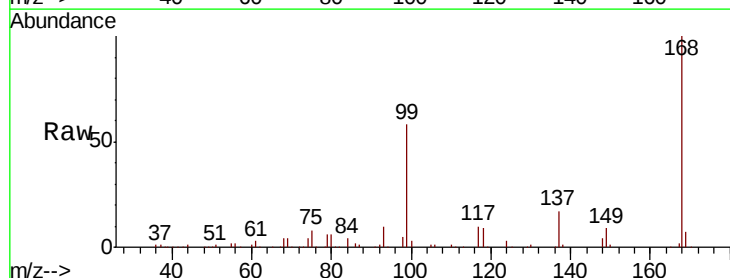
Tgt Ion: 75 Resp: 14107

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.2#

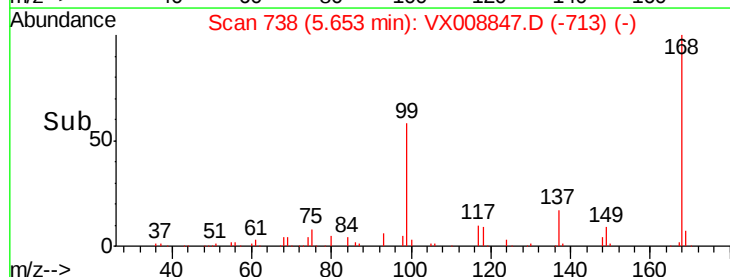
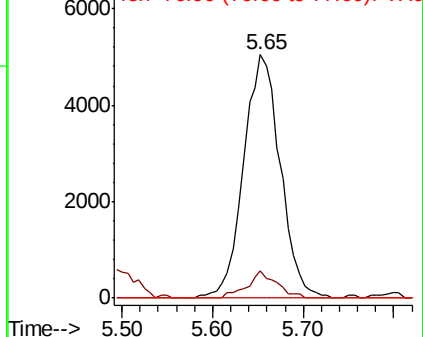
77 0.0 24.7 37.1#

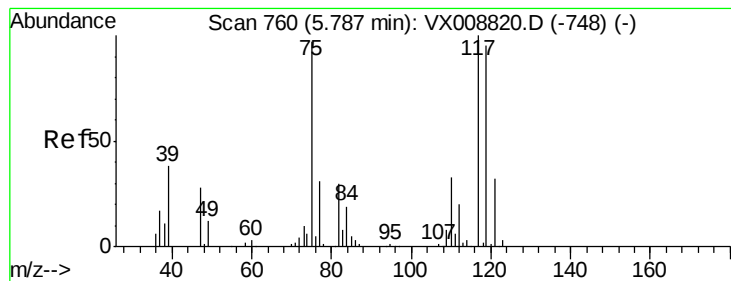


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.534 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBL01

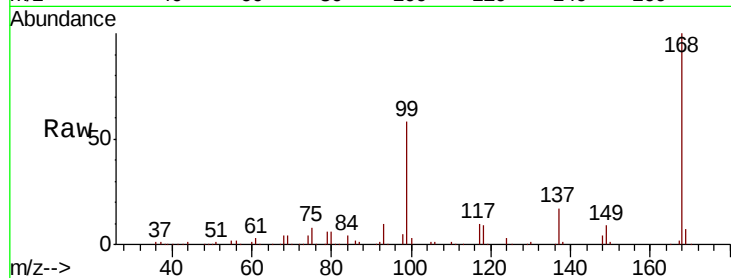
Tgt Ion:117 Resp: 16757

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

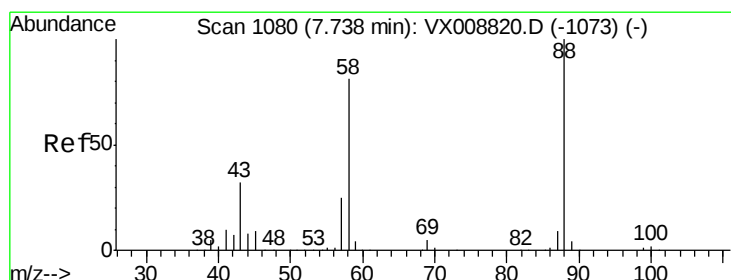
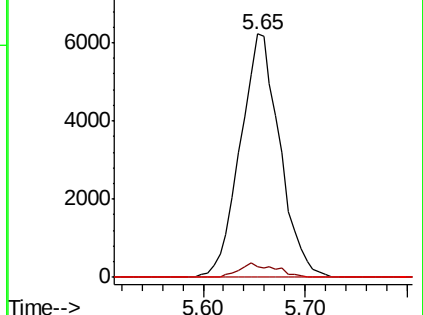
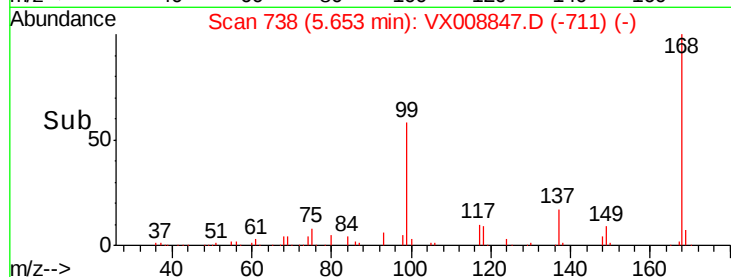
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.489 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

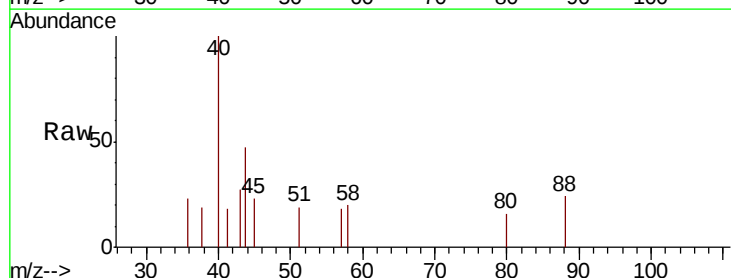
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 670.0 28.6 43.0#

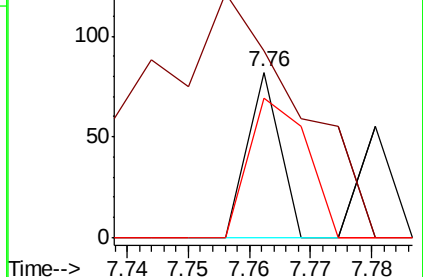
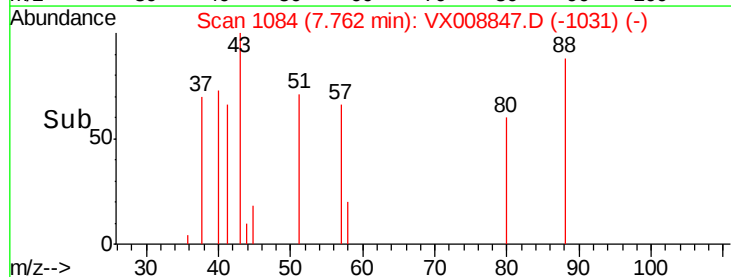
58 150.0 62.2 93.2#

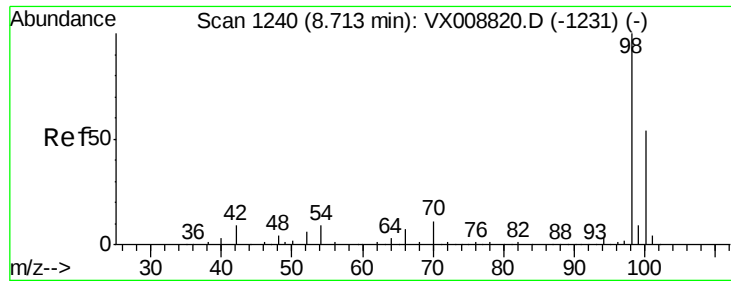


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

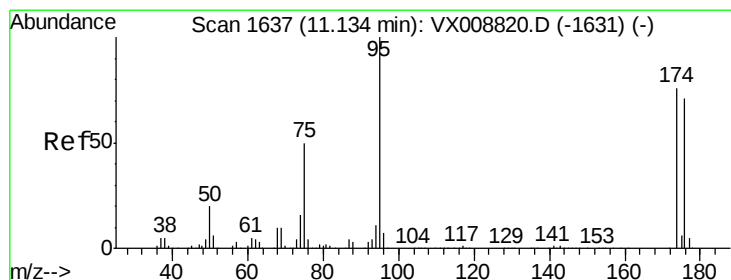
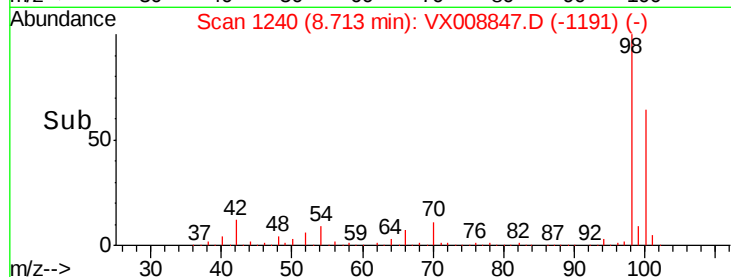
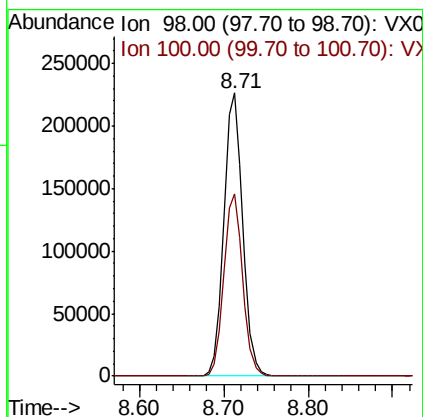
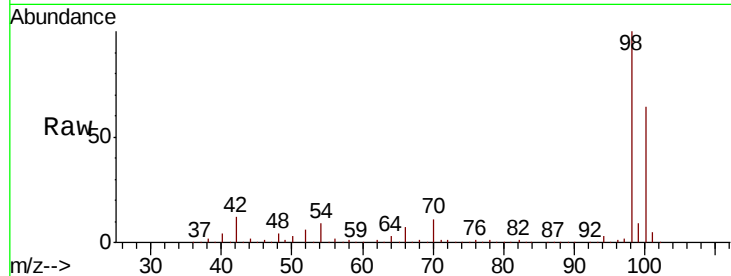




#50
Toluene-d8
Concen: 48.459 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

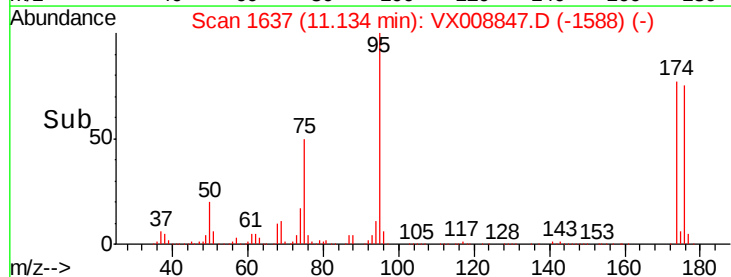
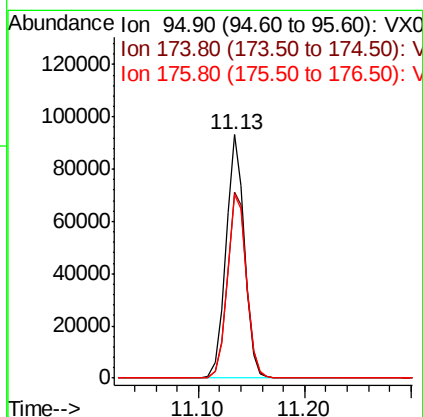
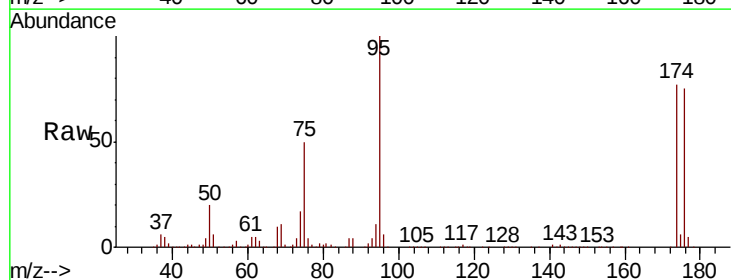
Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

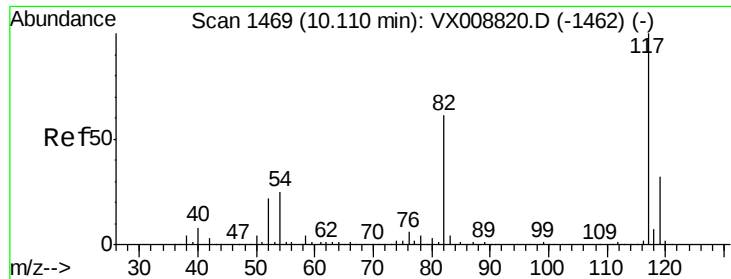
Tgt Ion: 98 Resp: 349688
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.223 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Tgt Ion: 95 Resp: 113164
Ion Ratio Lower Upper
95 100
174 78.9 0.0 151.8
176 77.9 0.0 145.8

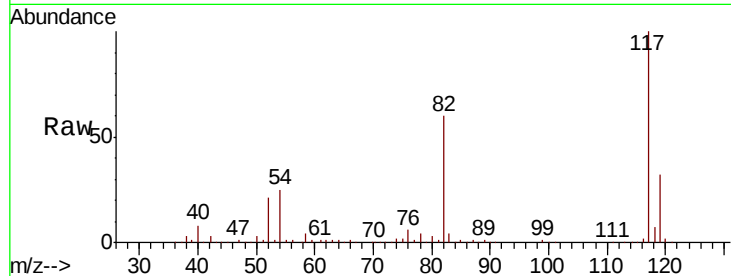




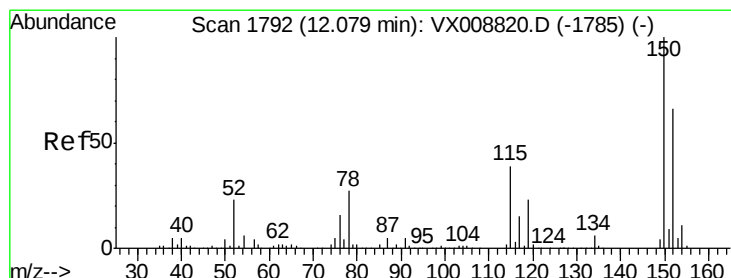
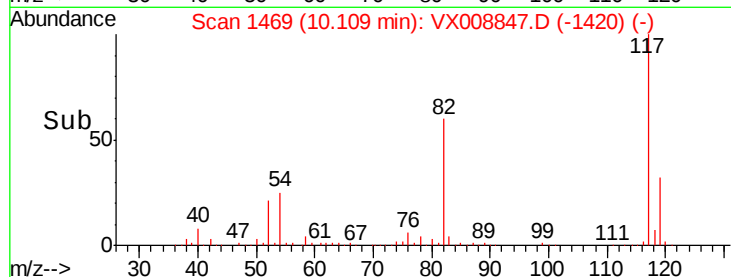
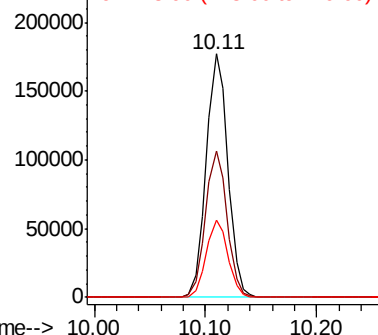
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:117 Resp: 239072
Ion Ratio Lower Upper
117 100
82 60.0 49.6 74.4
119 31.9 25.0 37.4

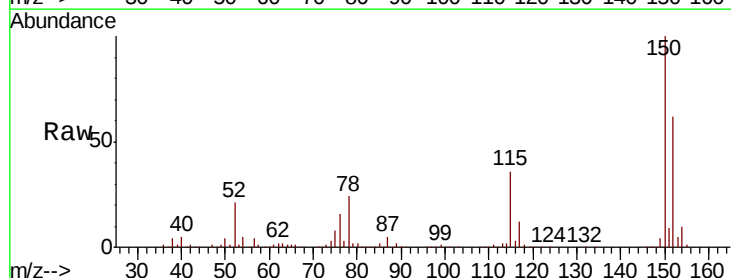


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

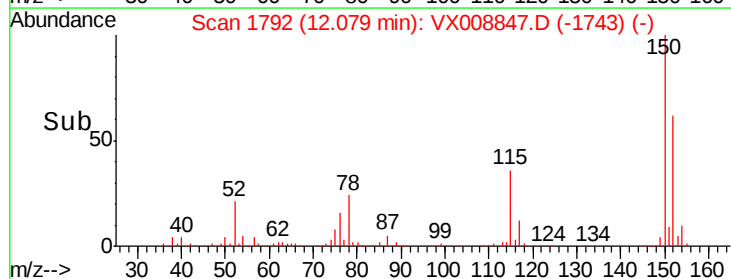
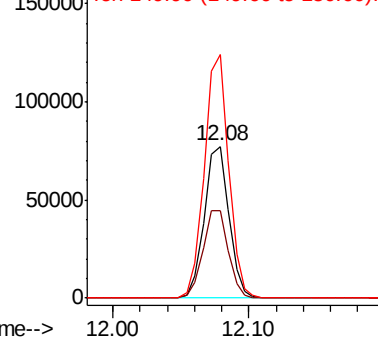


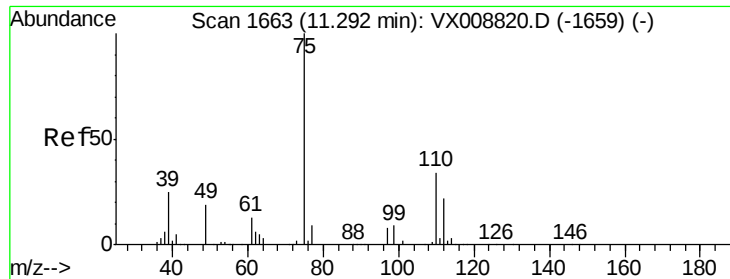
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Tgt Ion:152 Resp: 97351
Ion Ratio Lower Upper
152 100
115 59.7 43.5 130.5
150 157.9 0.0 348.8



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: 21.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

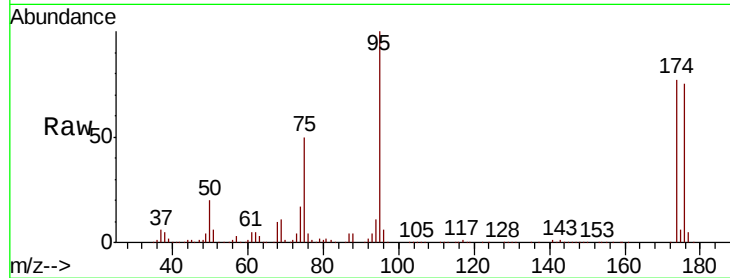
VX0411WBL01

Tgt Ion: 75 Resp: 57993

Ion Ratio Lower Upper

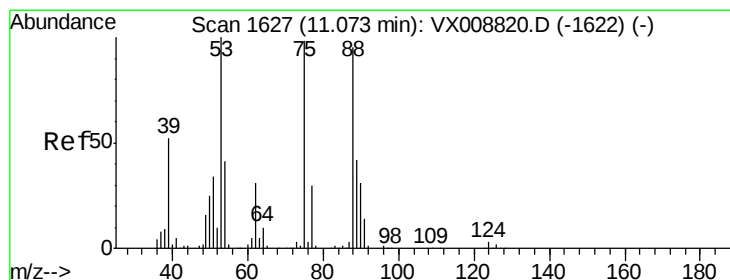
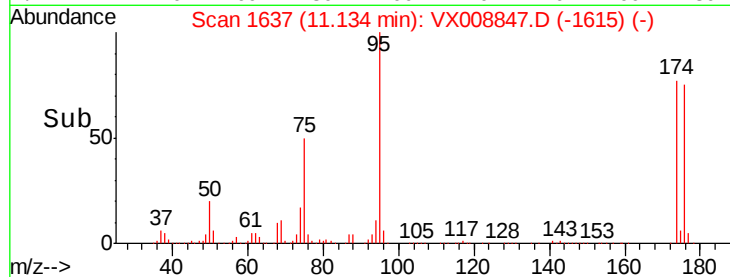
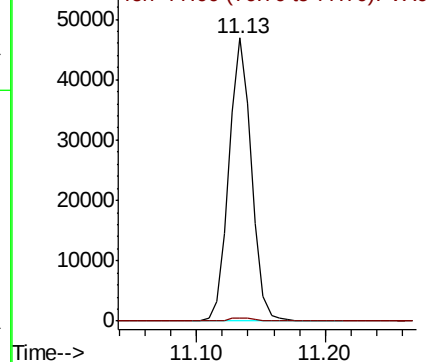
75 100

77 1.3 22.3 66.8#



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: 59.776 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008847.D

Acq: 11 Apr 2019 13:25

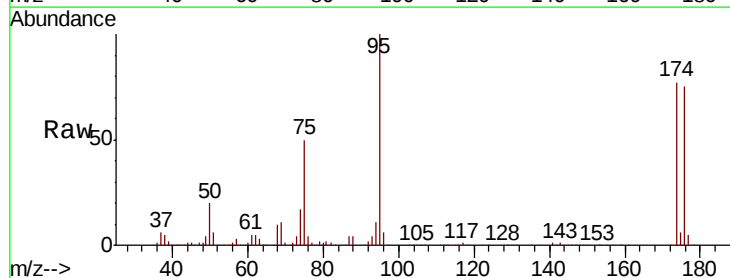
Tgt Ion: 75 Resp: 57993

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

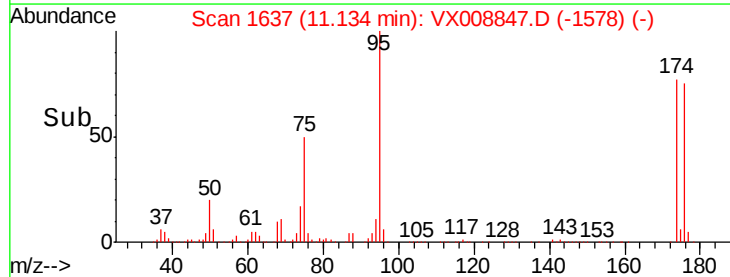
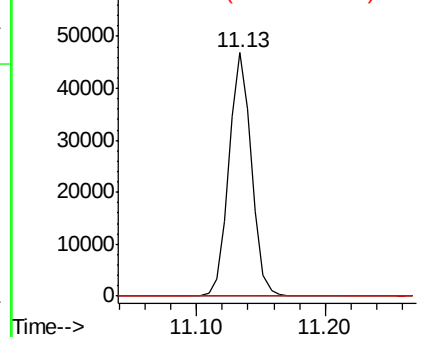
89 0.0 35.6 53.4#

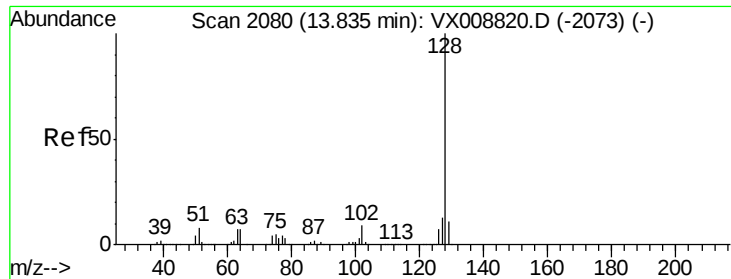


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

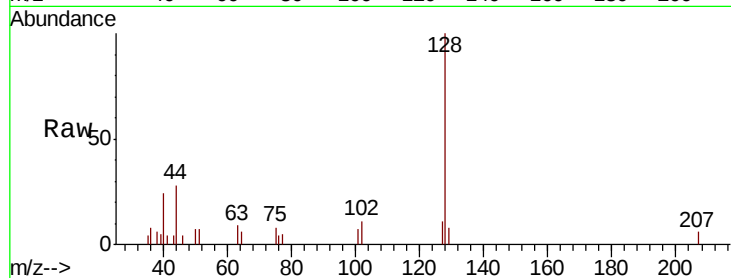




#95
Naphthalene
Concen: 0.217 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008847.D
Acq: 11 Apr 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.4	15.6
129	9.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

