

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004886.D
 Acq On : 01 Oct 2018 23:04
 Operator : JC/MD
 Sample : VX1001WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL02

Quant Time: Oct 02 03:35:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160537	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
35) Dibromofluoromethane	5.50	113	135397	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.72	98	482825	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	167687	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

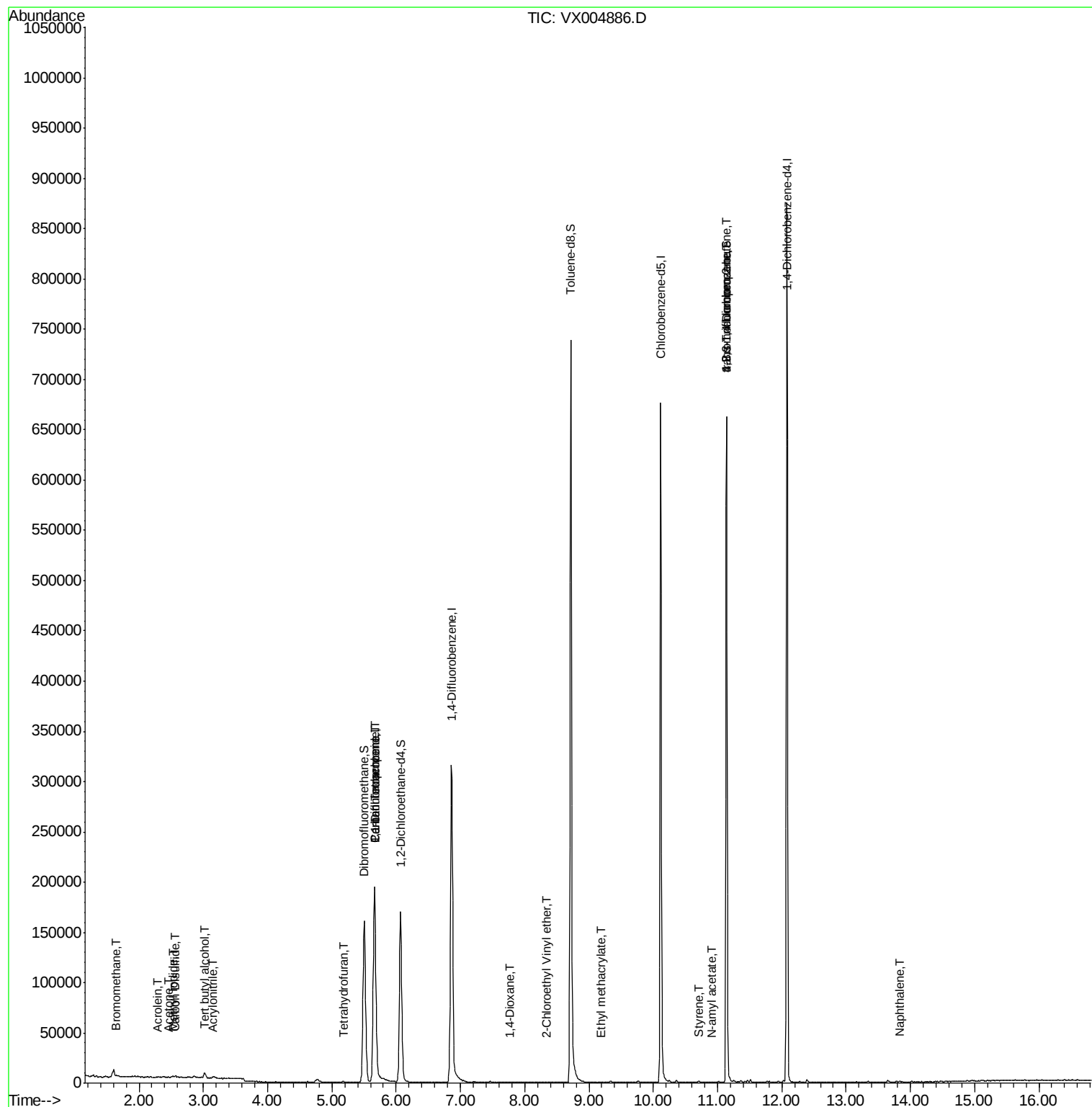
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	940	0.494	ug/l	85
6) Chloroethane	1.73	64	2135	Below Cal	#	52
10) Methyl Iodide	2.52	142	795	0.263	ug/l #	86
11) Tert butyl alcohol	3.02	59	3326	4.026	ug/l #	84
13) Acrolein	2.29	56	187	0.318	ug/l #	66
15) Acrylonitrile	3.15	53	847	0.466	ug/l #	78
16) Acetone	2.45	43	646	0.374	ug/l #	88
17) Carbon Disulfide	2.56	76	1909	0.283	ug/l #	88
20) Methylene Chloride	2.85	84	622	Below Cal	#	78
29) Tetrahydrofuran	5.18	42	484	0.306	ug/l #	83
36) 1,1-Dichloropropene	5.67	75	14235	3.733	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18250	4.553	ug/l #	16
49) 1,4-Dioxane	7.76	88	20	0.243	ug/l #	1
56) Ethyl methacrylate	9.18	69	38	2.870	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	104	14.282	ug/l #	45
70) Styrene	10.72	104	324	2.175	ug/l #	83
74) N-amyl acetate	10.90	43	86	1.761	ug/l #	53
76) 1,2,3-Trichloropropane	11.14	75	84037	21.061	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	447	Below Cal		91
81) trans-1,4-Dichloro-2-buten	11.14	75	84037	57.145	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	519	Below Cal		80
95) Naphthalene	13.83	128	826	0.774	ug/l #	91

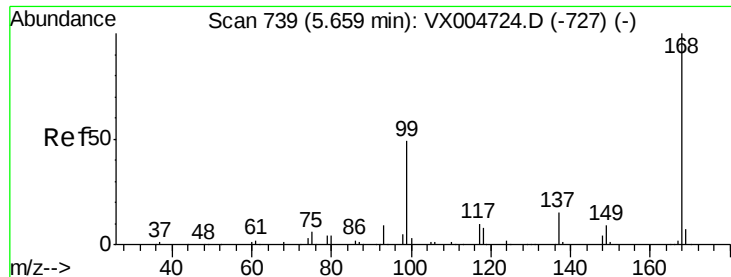
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
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Quant Time: Oct 02 03:35:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

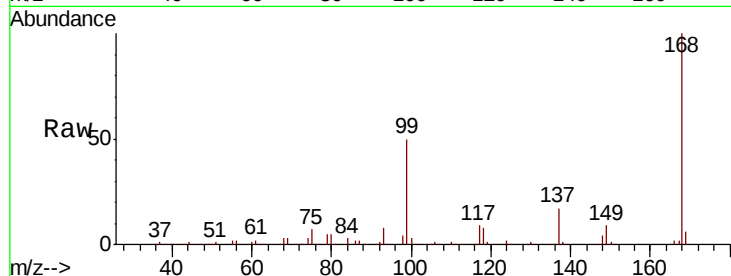
VX1001WBL02

Tot Ion:168 Resp: 206837

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

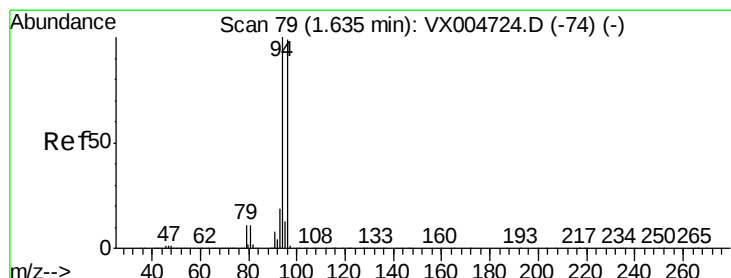
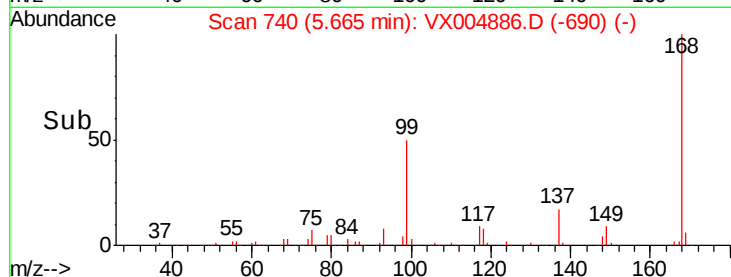
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.494 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004886.D

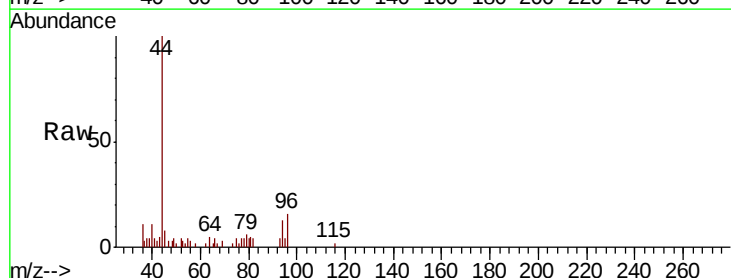
Acq: 01 Oct 2018 23:04

Tgt Ion: 94 Resp: 940

Ion Ratio Lower Upper

94 100

96 107.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

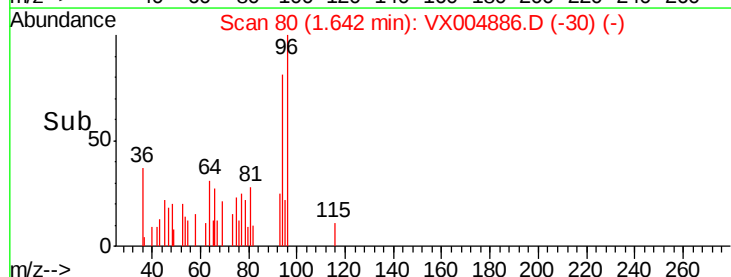
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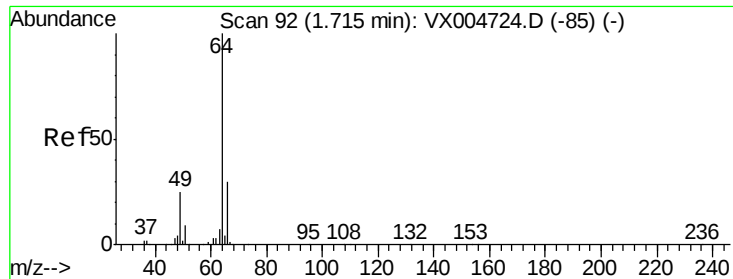
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

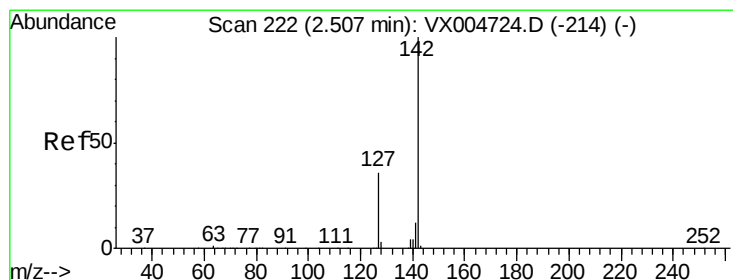
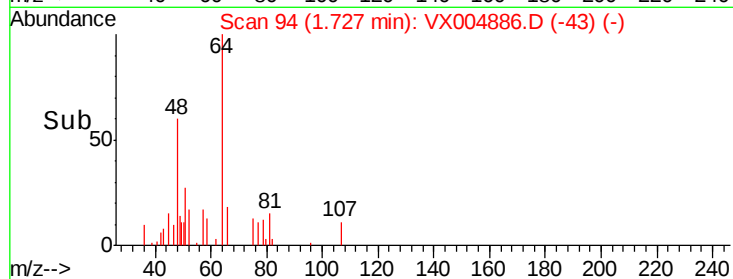
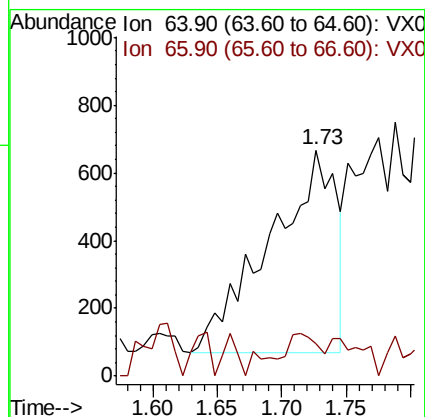
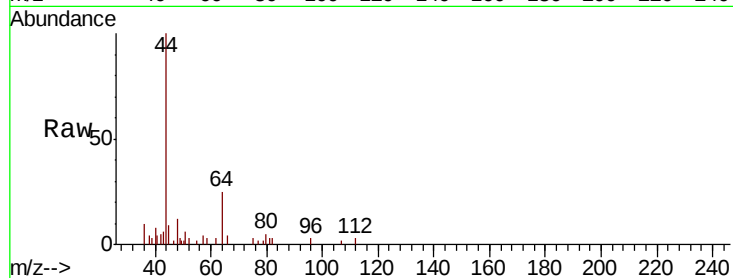
VX1001WBL02

Tot Ion: 64 Resp: 2135

Ion Ratio Lower Upper

64 100

66 4.4 24.6 36.8#



#10

Methyl Iodide

Concen: 0.263 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

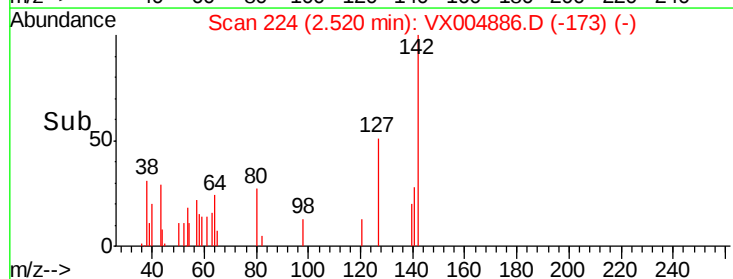
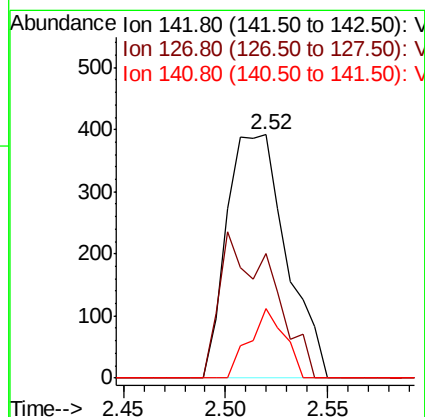
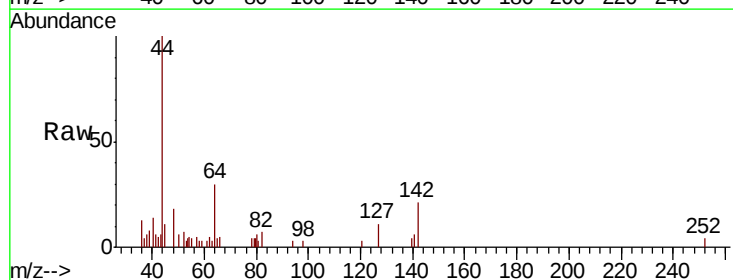
Tgt Ion: 142 Resp: 795

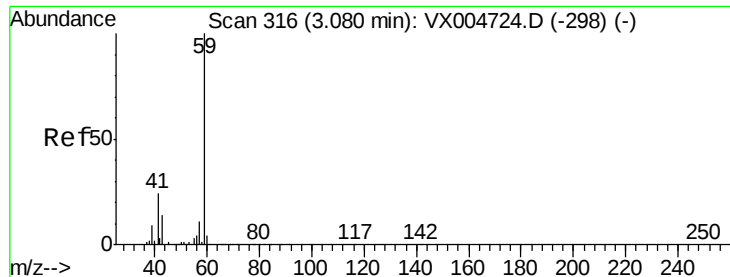
Ion Ratio Lower Upper

142 100

127 52.7 33.8 50.6#

141 16.6 11.4 17.0

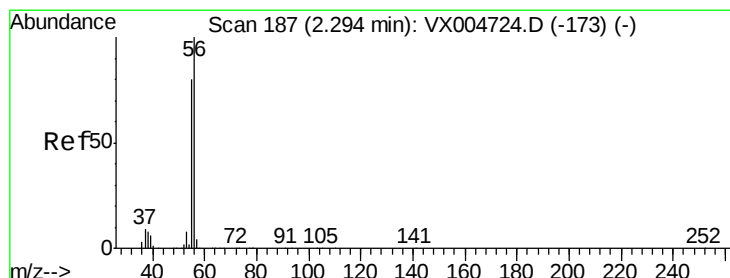
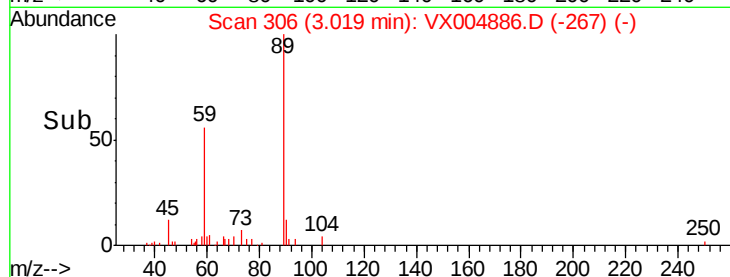
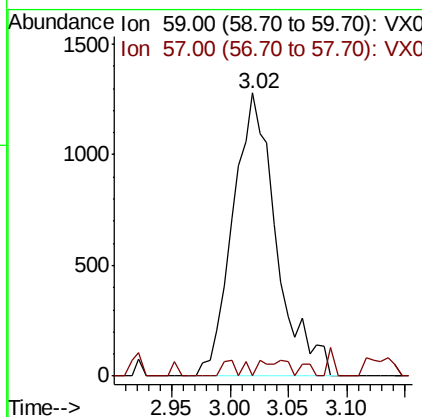
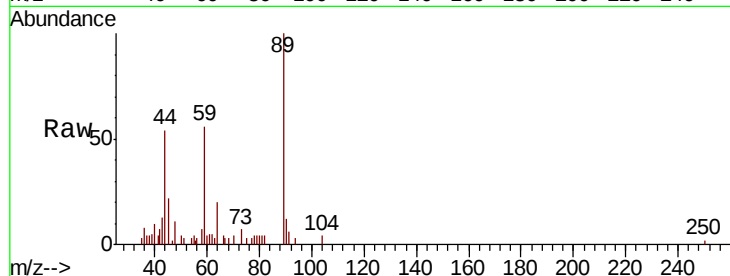




#11
Tert butyl alcohol
Concen: 4.026 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

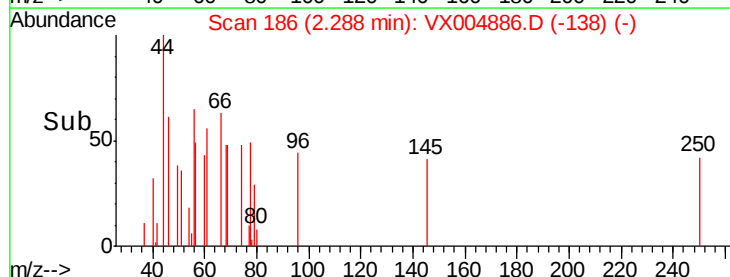
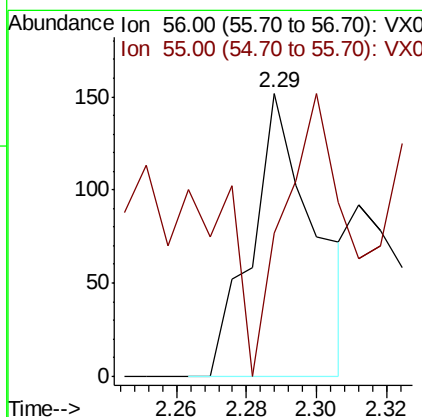
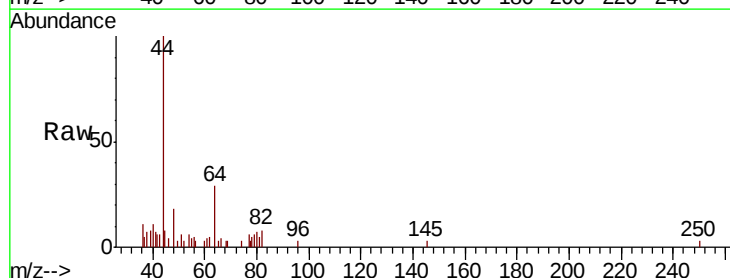
Instrument :
MSVOA_X
ClientSampled :
VX1001WBL02

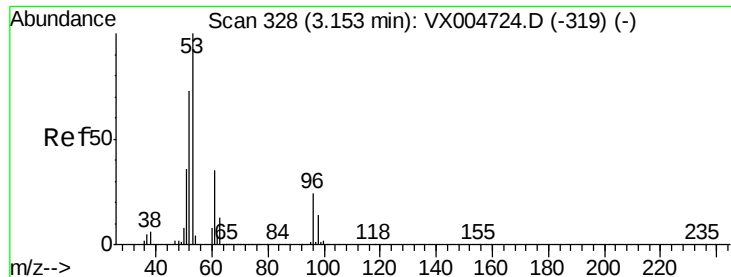
Tot Ion: 59 Resp: 3326
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.4#



#13
Acrolein
Concen: 0.318 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 95.7 54.7 82.1#





#15

Acrylonitrile

Concen: 0.466 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL02

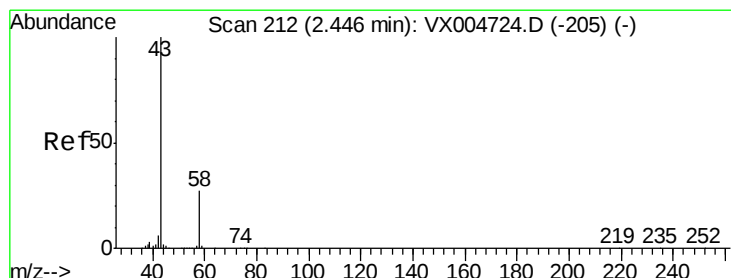
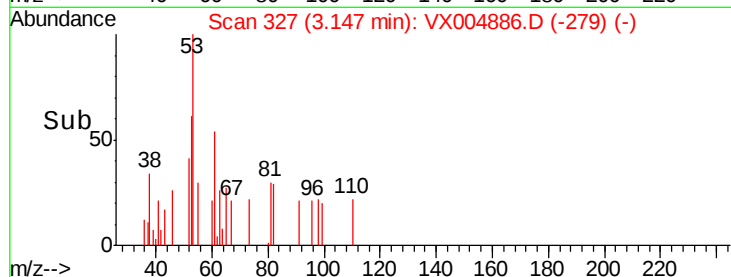
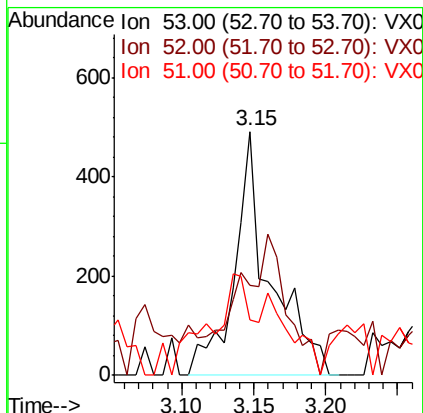
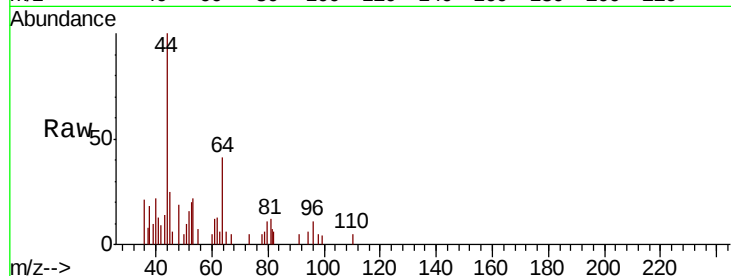
Tot Ion: 53 Resp: 847

Ion Ratio Lower Upper

53 100

52 76.7 65.2 97.8

51 0.0 28.2 42.2#



#16

Acetone

Concen: 0.374 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004886.D

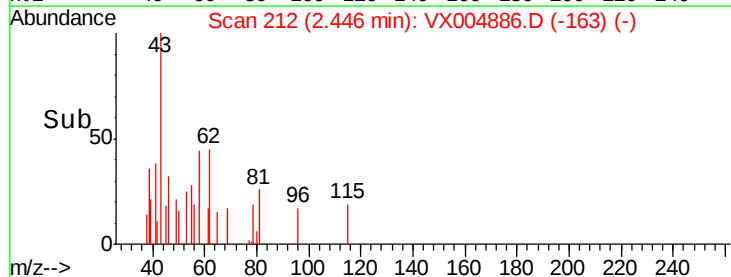
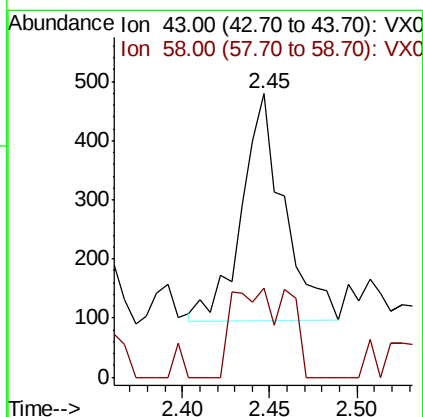
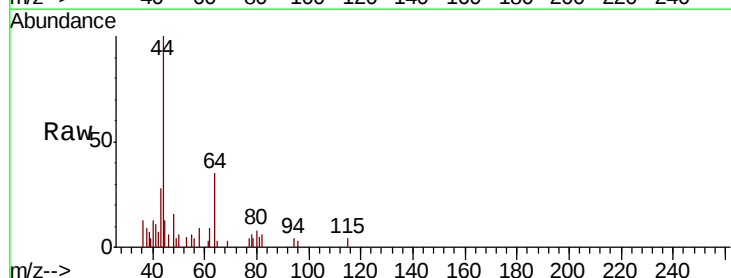
Acq: 01 Oct 2018 23:04

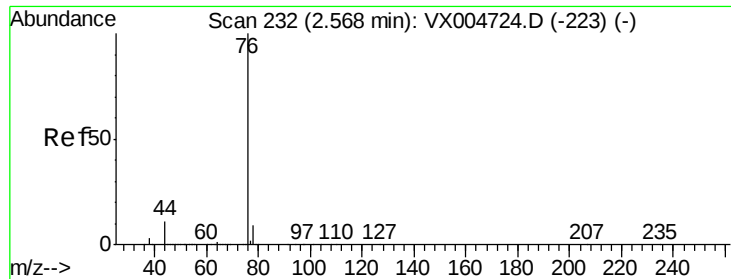
Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 39.4 26.2 39.4#

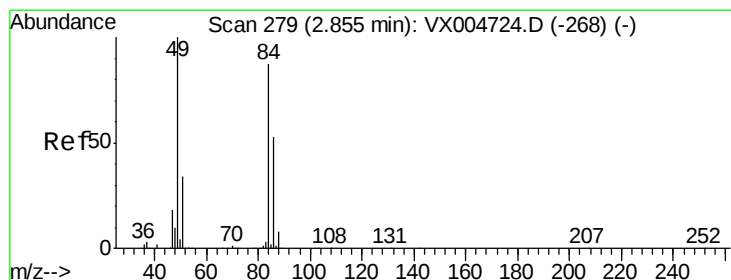
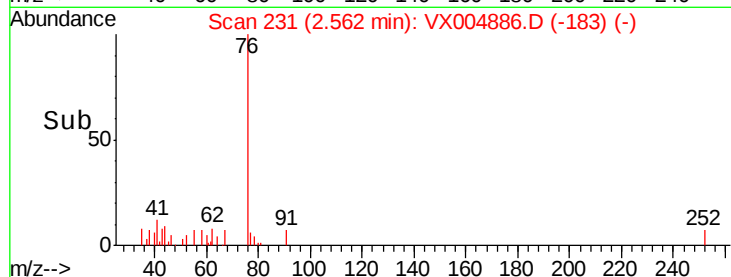
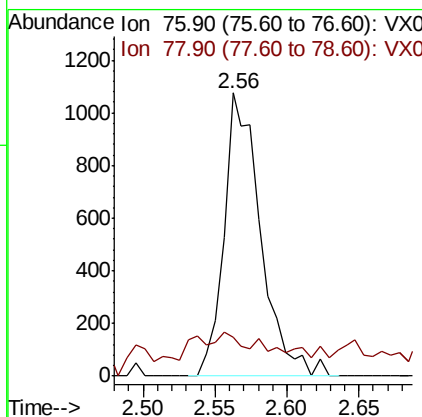
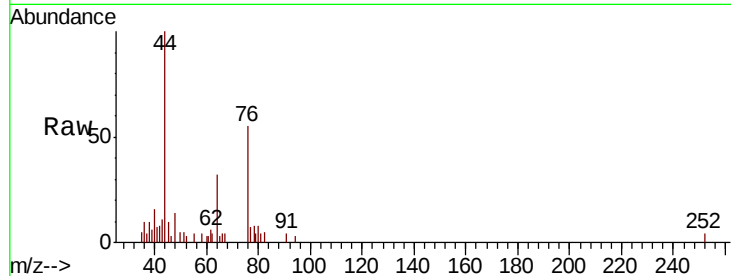




#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

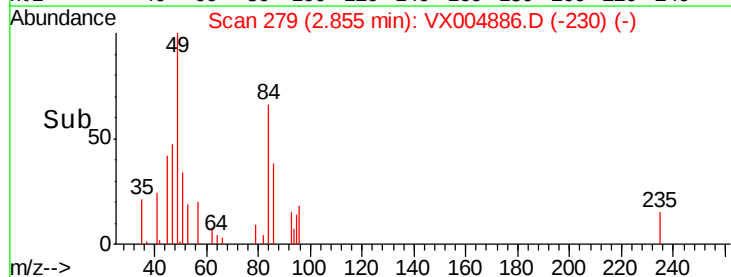
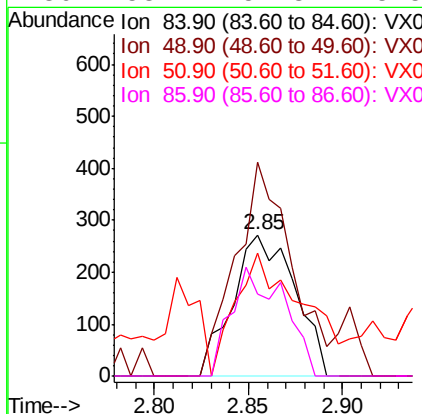
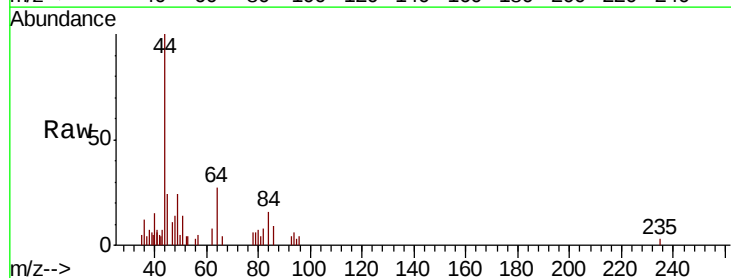
Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL02

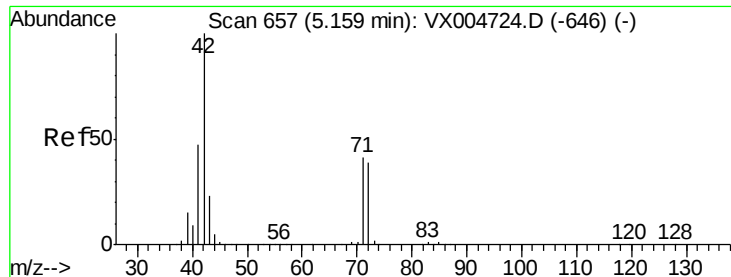
Tot Ion: 76 Resp: 1909
Ion Ratio Lower Upper
76 100
78 4.4 7.0 10.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 84 Resp: 622
Ion Ratio Lower Upper
84 100
49 151.1 101.2 151.8
51 64.0 29.5 44.3#
86 58.1 52.3 78.5

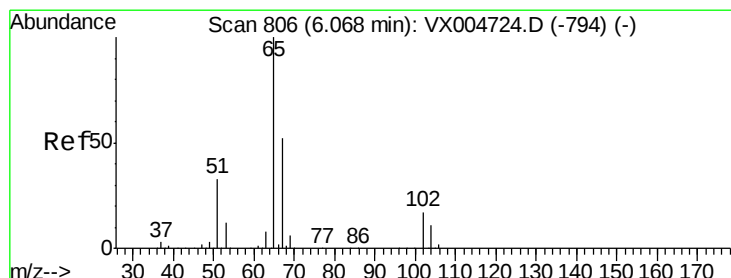
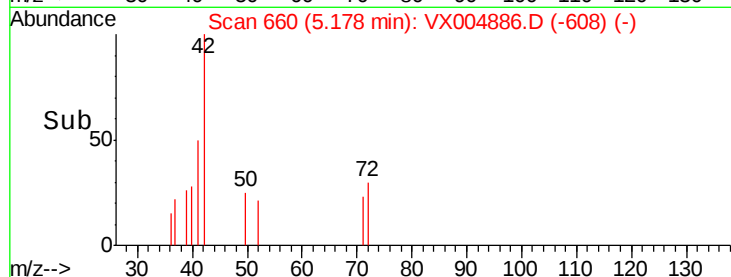
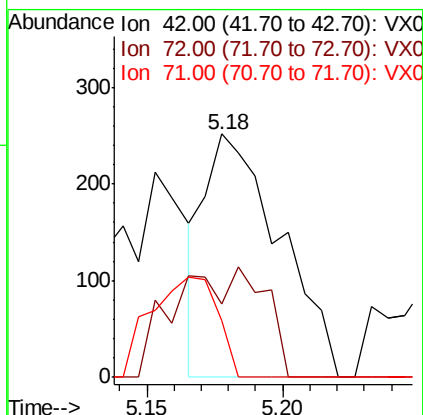
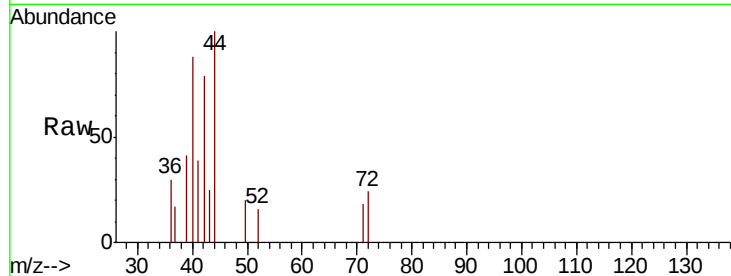




#29
Tetrahydrofuran
Concen: 0.306 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

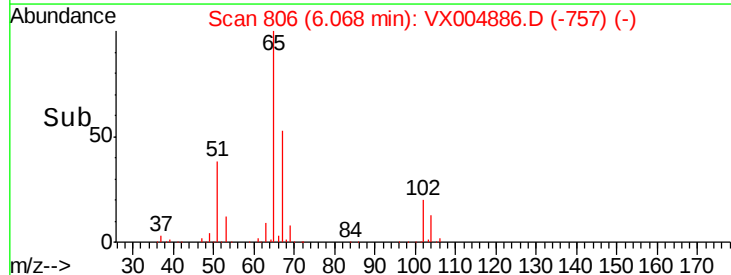
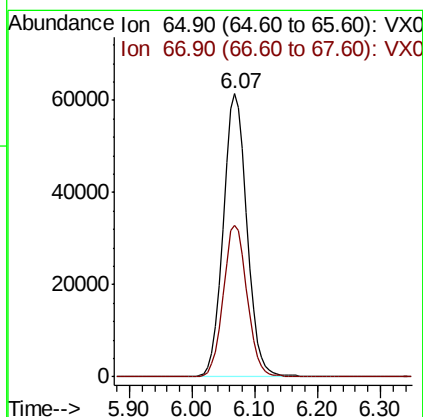
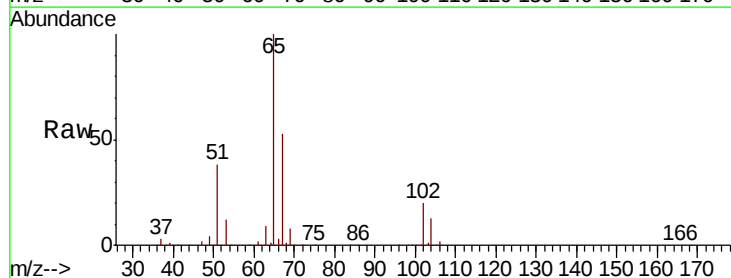
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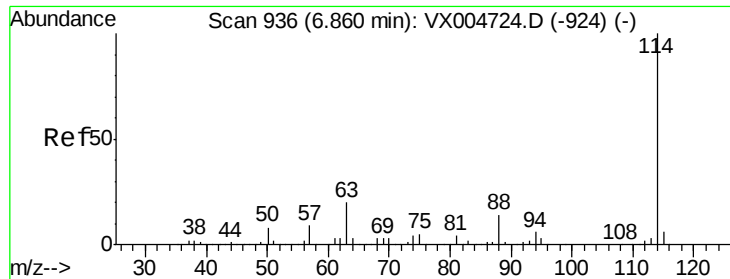
Tot Ion: 42 Resp: 484
Ion Ratio Lower Upper
42 100
72 31.6 37.4 56.0#
71 36.6 34.5 51.7



#33
1,2-Dichloroethane-d4
Concen: 54.333 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 65 Resp: 160537
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8

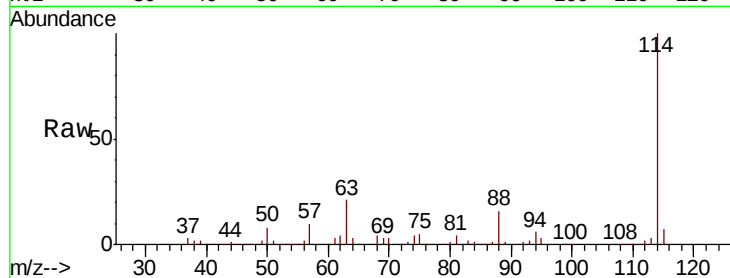




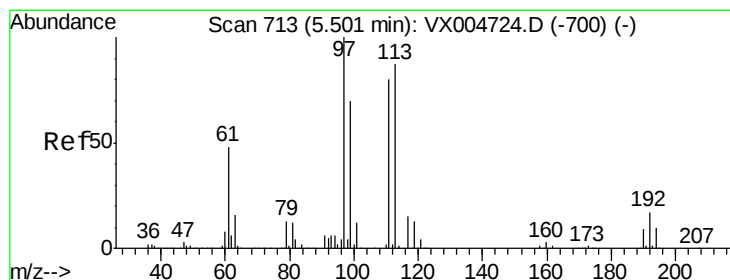
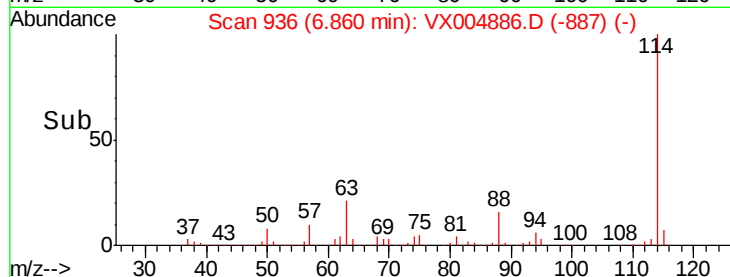
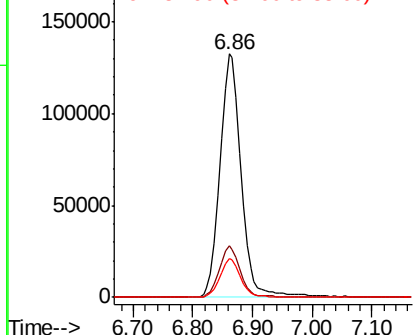
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004886.D
 Acq: 01 Oct 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL02

Tot Ion:114 Resp: 329745
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 15.9 0.0 30.4

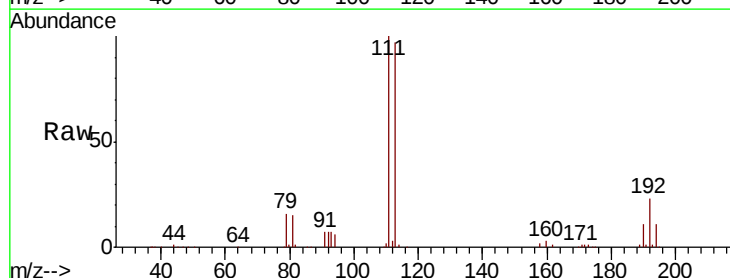


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

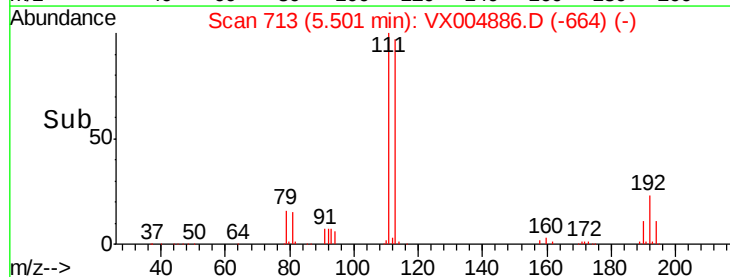
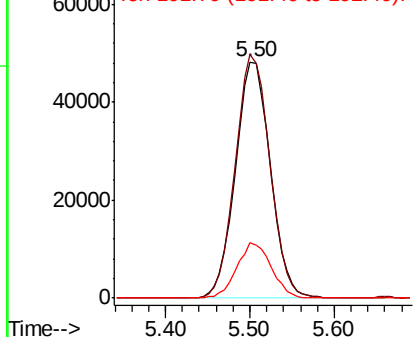


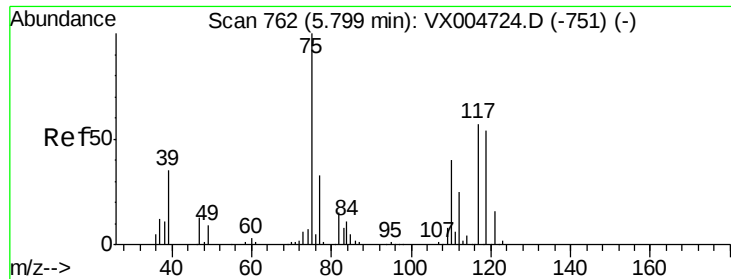
#35
 Dibromofluoromethane
 Concen: 48.449 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004886.D
 Acq: 01 Oct 2018 23:04

Tgt Ion:113 Resp: 135397
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 23.0 19.4 29.2



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: 3.733 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL02

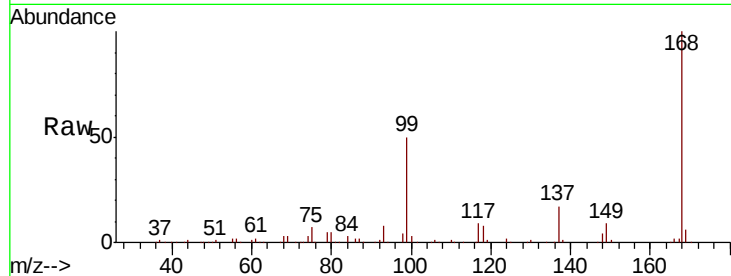
Tot Ion: 75 Resp: 14235

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

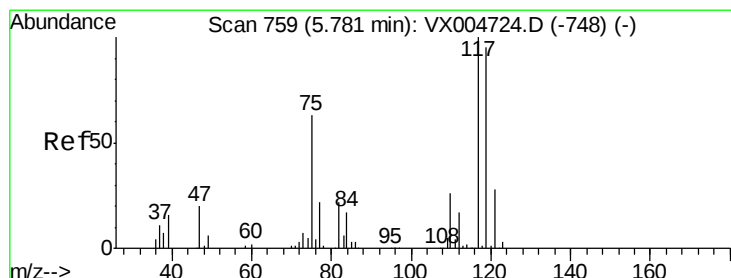
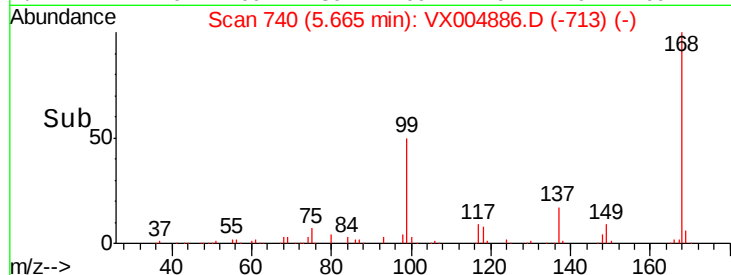
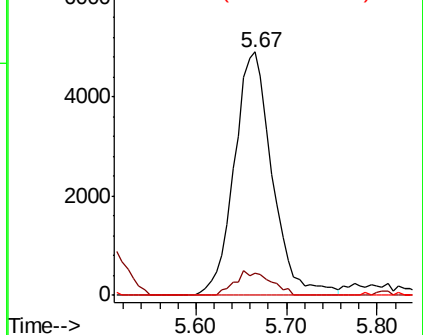
77 0.0 24.6 36.8#



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: 4.553 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

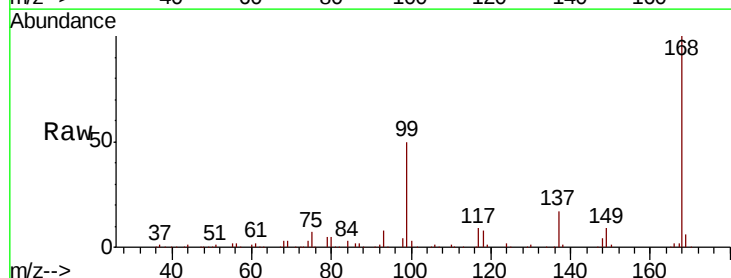
Tgt Ion: 117 Resp: 18250

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

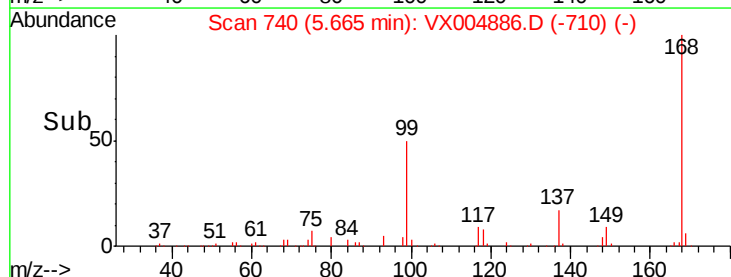
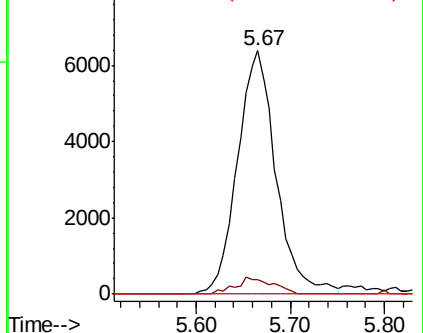
121 0.0 24.9 37.3#

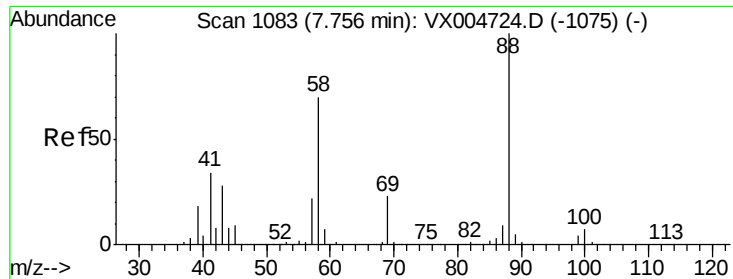


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

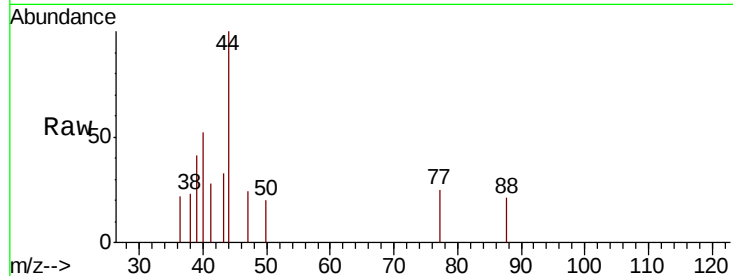




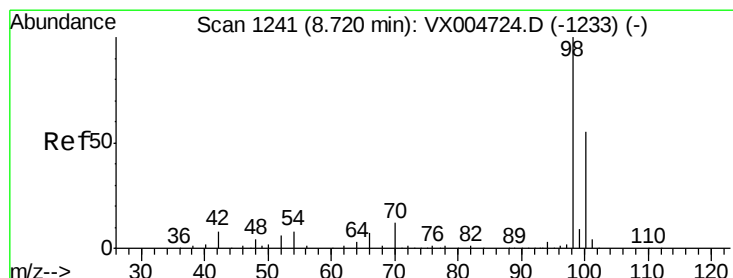
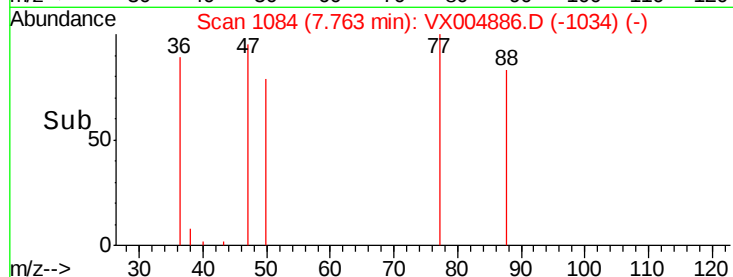
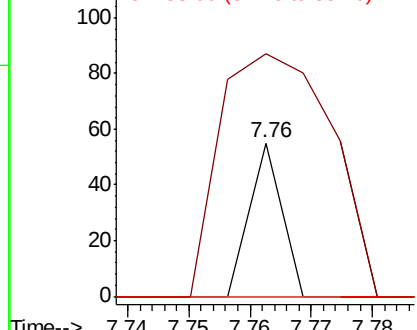
#49
1,4-Dioxane
Concen: 0.243 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL02

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 550.0 24.7 37.1#
58 0.0 55.3 82.9#

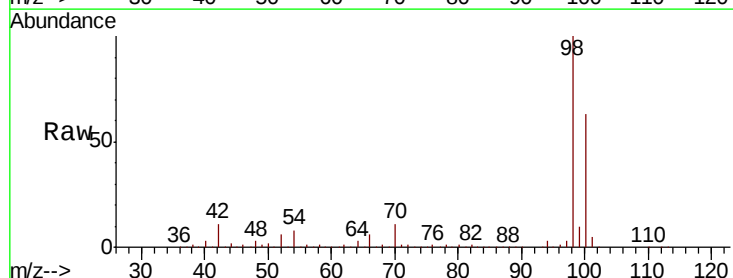


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

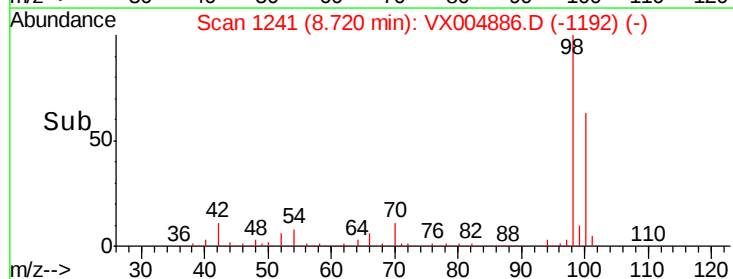
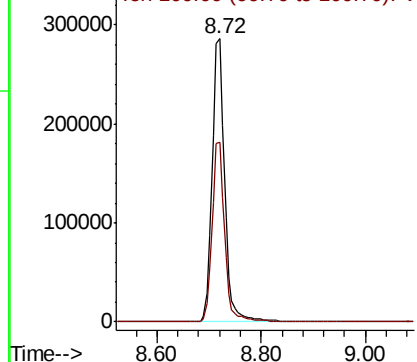


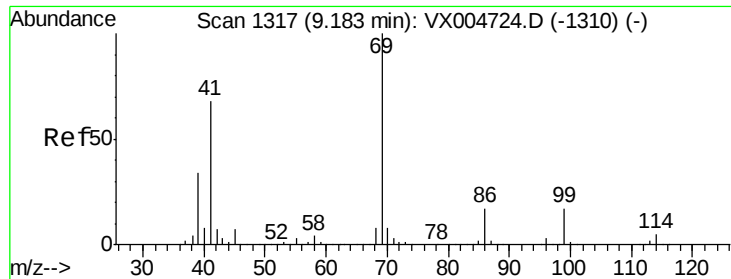
#50
Toluene-d8
Concen: 51.968 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 98 Resp: 482825
Ion Ratio Lower Upper
98 100
100 63.0 52.9 79.3



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





#56

Ethyl methacrylate

Concen: 2.870 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampled :

VX1001WBL02

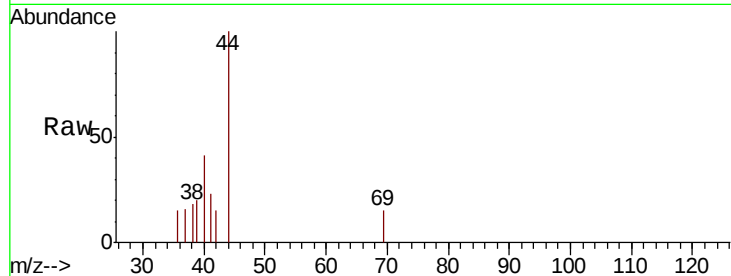
Tot Ion: 69 Resp: 38

Ion Ratio Lower Upper

69 100

41 528.9 51.0 76.4#

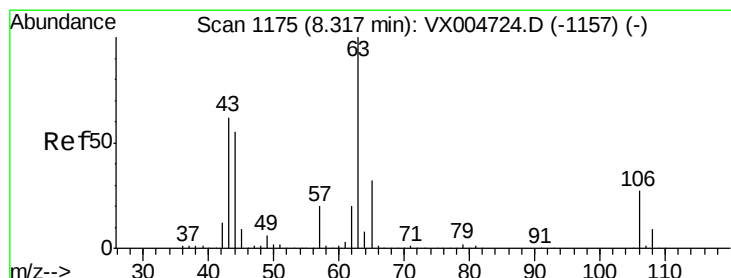
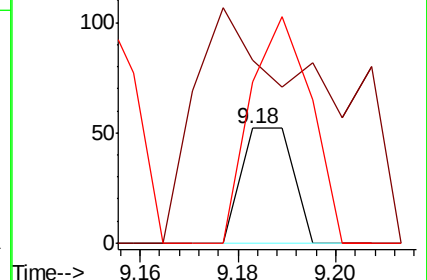
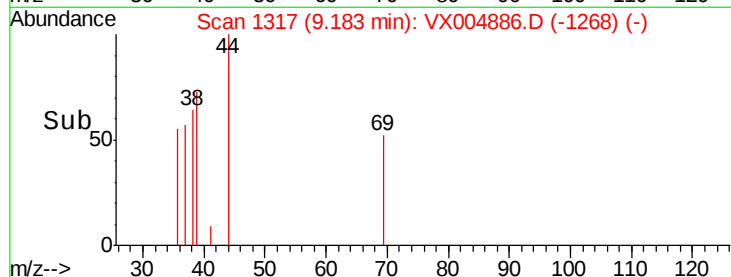
39 231.6 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.282 ug/l

RT: 8.34 min Scan# 1179

Delta R.T. 0.02 min

Lab File: VX004886.D

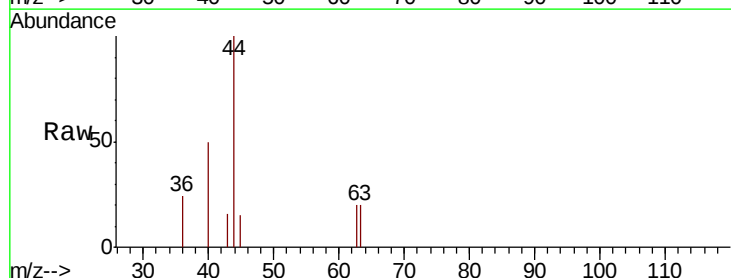
Acq: 01 Oct 2018 23:04

Tgt Ion: 63 Resp: 104

Ion Ratio Lower Upper

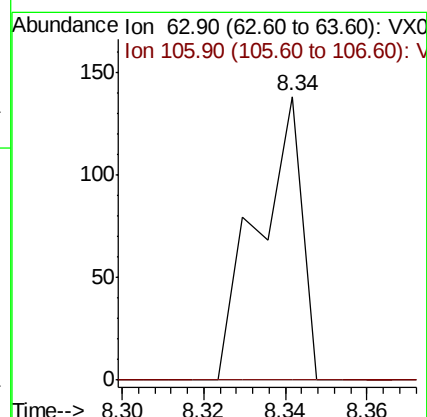
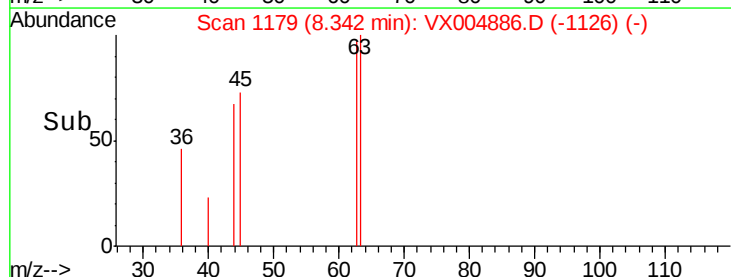
63 100

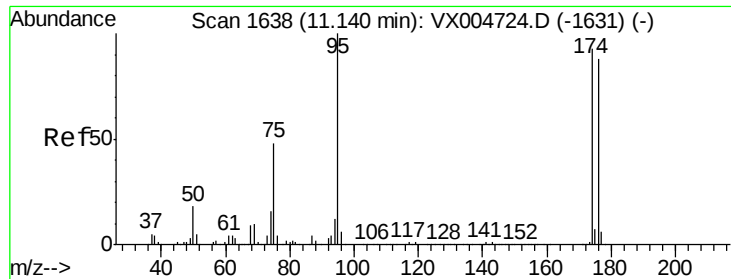
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

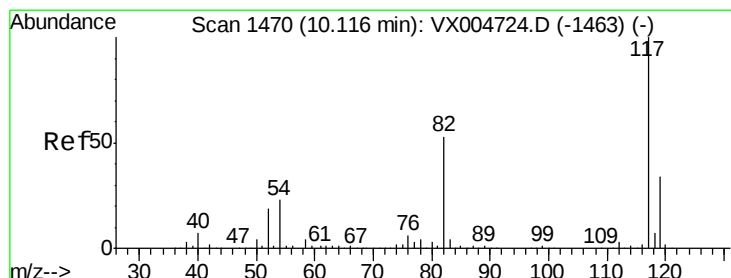
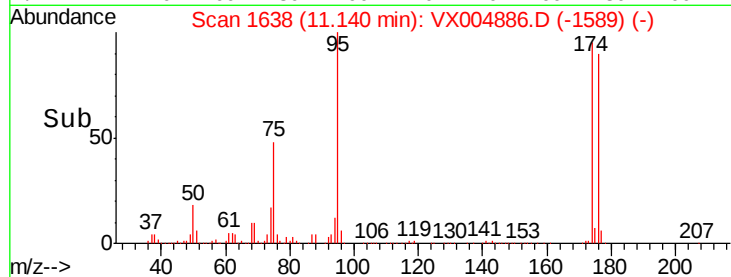
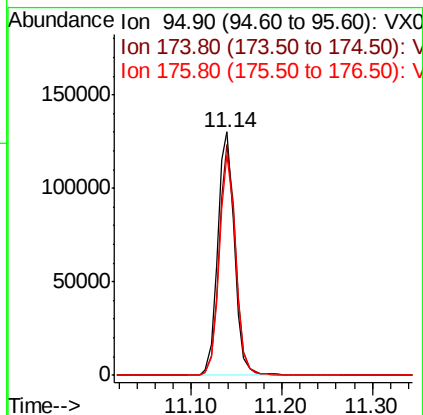
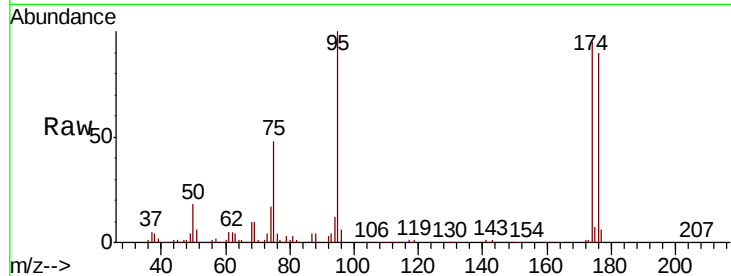




#62
4-Bromofluorobenzene
Concen: 50.100 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

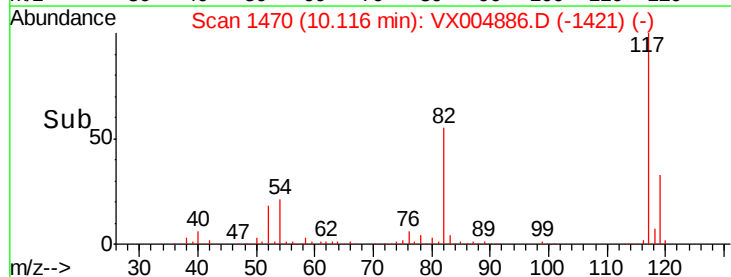
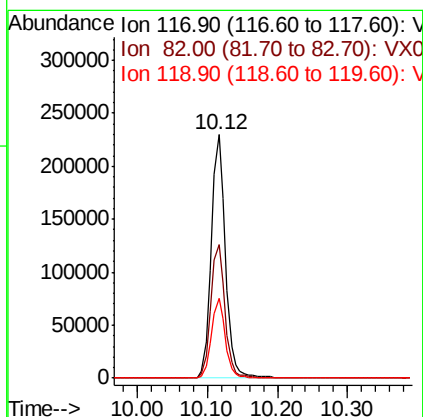
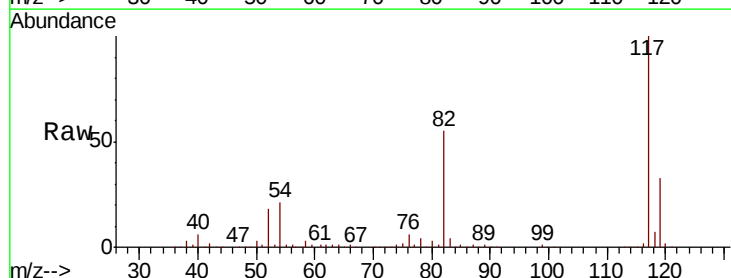
Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL02

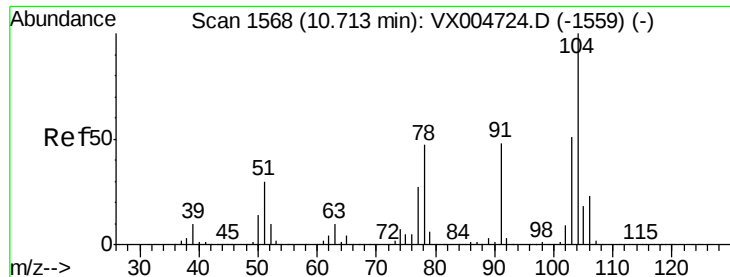
Tot Ion: 95 Resp: 167687
Ion Ratio Lower Upper
95 100
174 93.6 0.0 185.2
176 88.7 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 117 Resp: 324199
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 32.6 29.3 43.9

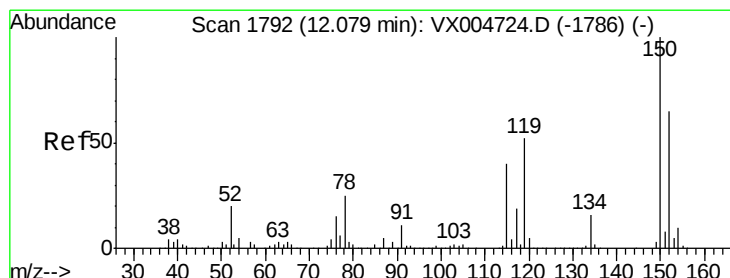
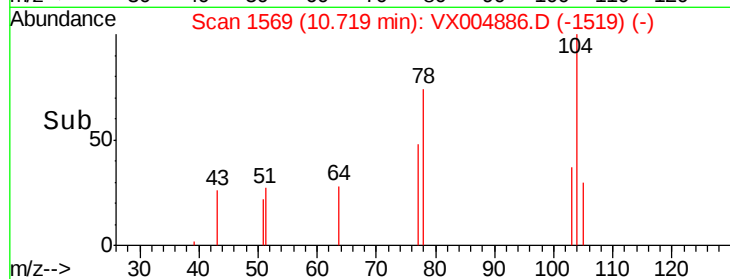
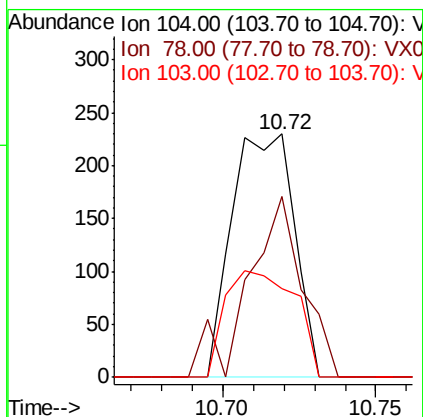
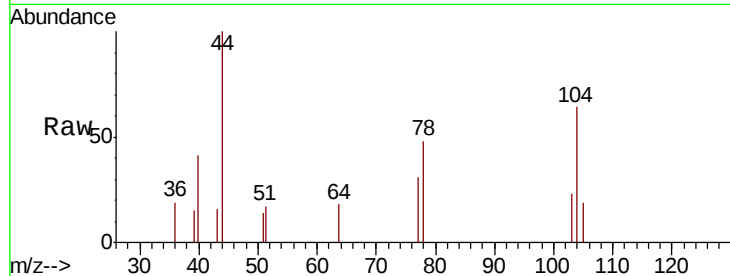




#70
Stvrene
Concen: 2.175 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

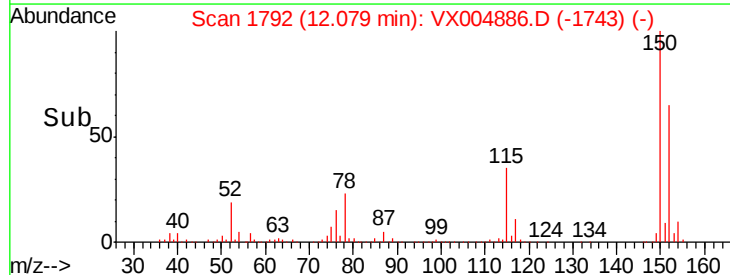
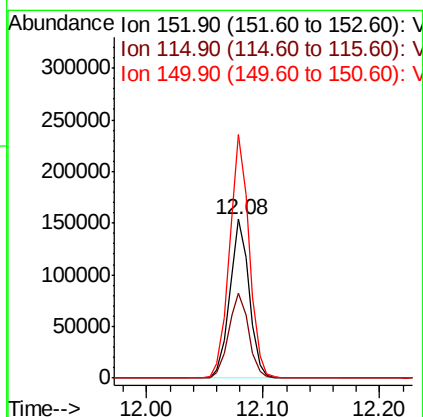
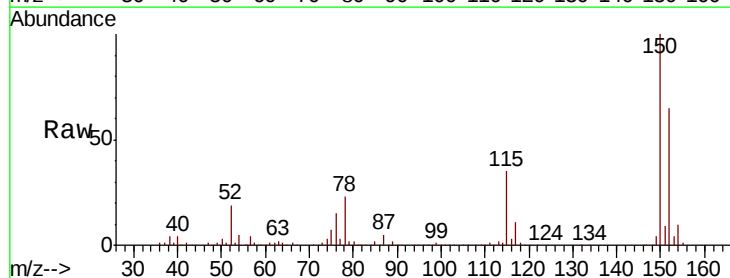
Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL02

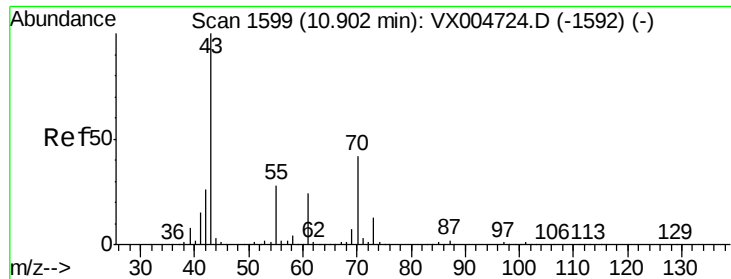
Tot Ion:104 Resp: 324
Ion Ratio Lower Upper
104 100
78 65.4 37.4 56.0#
103 49.1 43.8 65.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion:152 Resp: 178025
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 154.8 0.0 351.0





#74

N-amvl acetate

Concen: 1.761 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004886.D

Acq: 01 Oct 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL02

Tot Ion: 43 Resp: 86

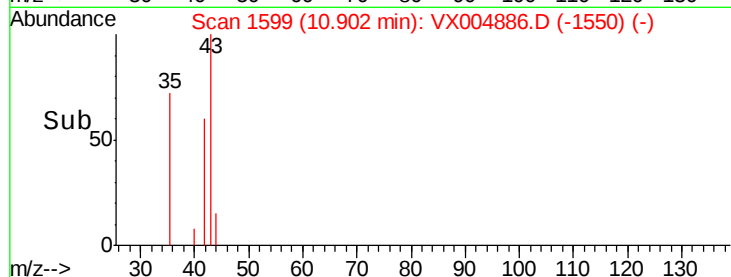
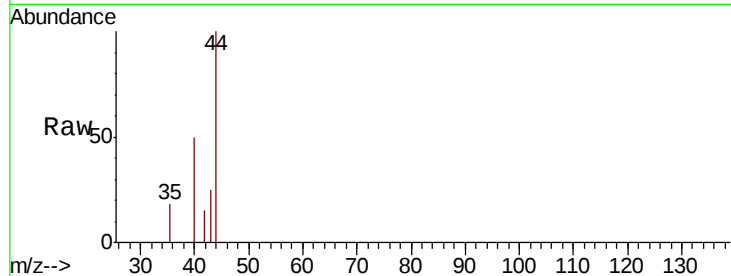
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 29.1 21.8 32.8

61 0.0 20.6 30.8#

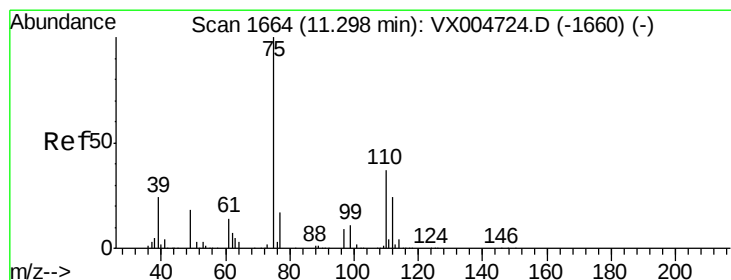
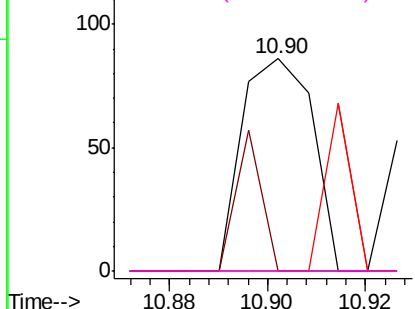


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.061 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004886.D

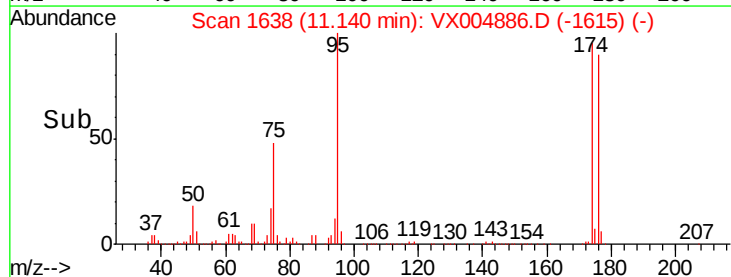
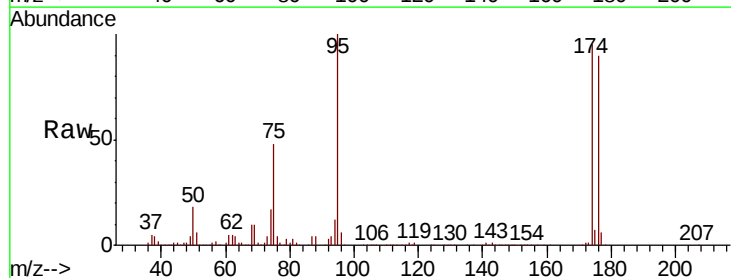
Acq: 01 Oct 2018 23:04

Tgt Ion: 75 Resp: 84037

Ion Ratio Lower Upper

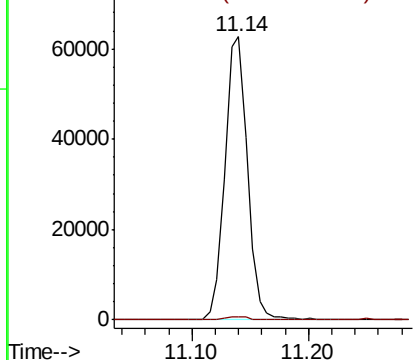
75 100

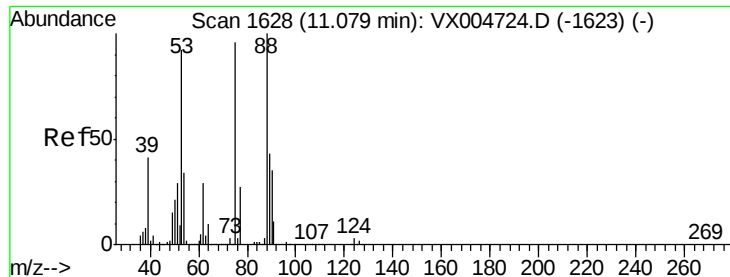
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

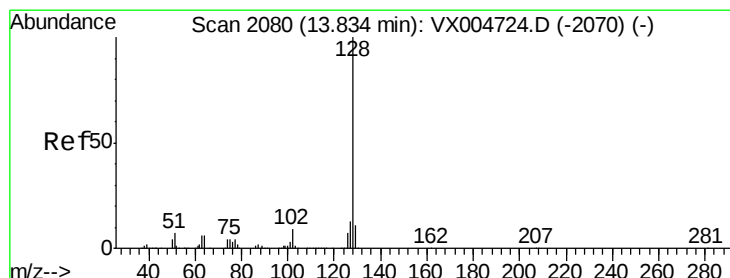
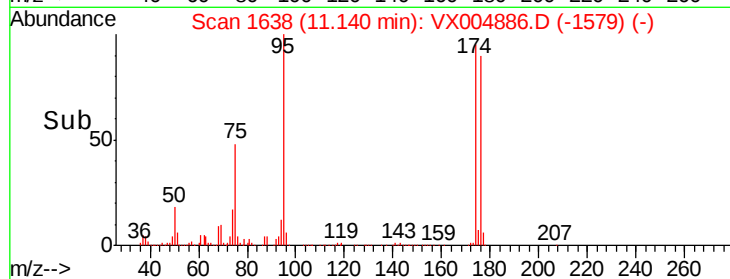
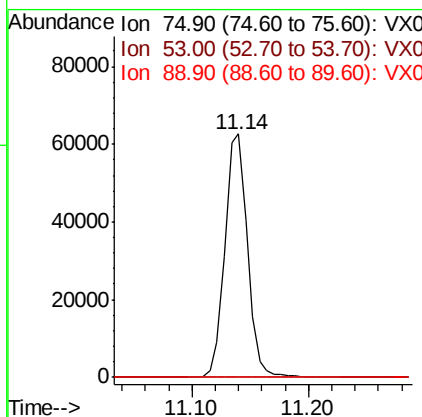
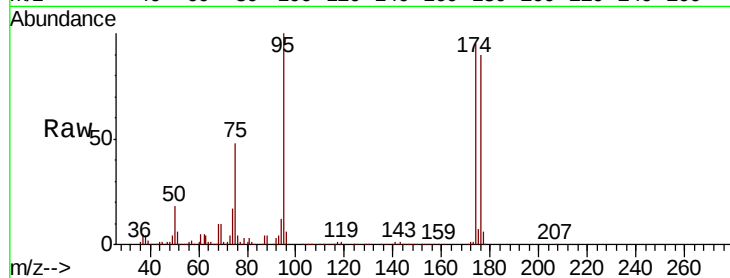




#81
trans-1,4-Dichloro-2-butene
Concen: 57.145 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL02

Tot Ion: 75 Resp: 84037
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.774 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004886.D
Acq: 01 Oct 2018 23:04

Tgt Ion: 128 Resp: 826
Ion Ratio Lower Upper
128 100
127 8.1 10.2 15.2#
129 8.2 8.6 12.8#

