

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004830.D
 Acq On : 21 Aug 2018 09:43
 Operator : SY/AP
 Sample : J4511-09
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 11:32:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	374466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	581176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	418920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	142780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	231362	63.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.82%	
35) Dibromofluoromethane	7.89	113	224672	60.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.98%	
50) Toluene-d8	10.33	98	654010	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
62) 4-Bromofluorobenzene	12.62	95	155260	29.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.52%	

Target Compounds

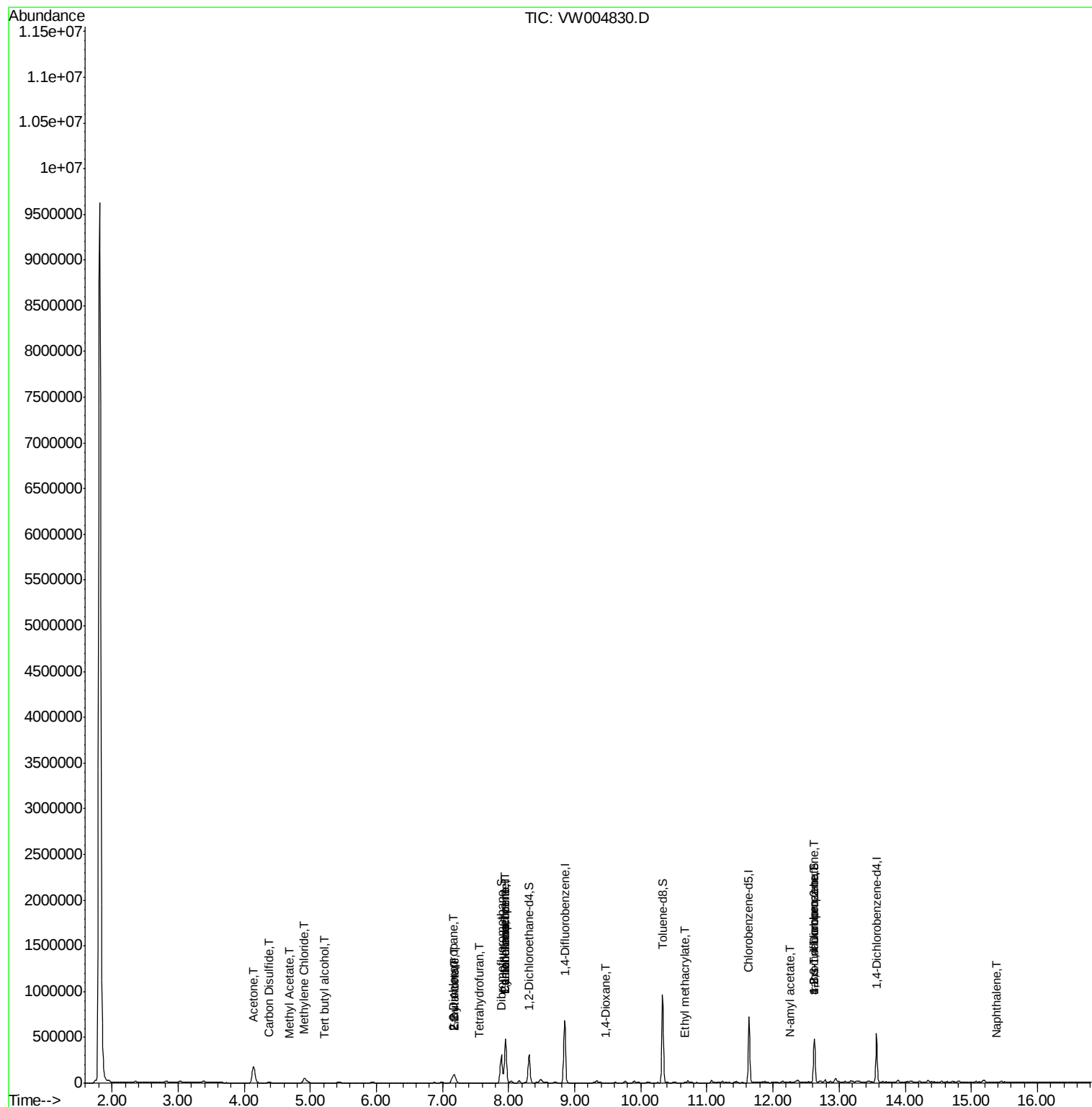
						Qvalue
11) Tert butyl alcohol	5.21	59	926	4.578	ug/l #	72
16) Acetone	4.14	43	349376	378.037	ug/l	98
17) Carbon Disulfide	4.37	76	25290	1.994	ug/l #	92
18) Methyl Acetate	4.68	43	2668	1.347	ug/l #	89
20) Methylene Chloride	4.92	84	40809	5.861	ug/l	98
25) 2-Butanone	7.18	43	110030	83.560	ug/l	98
26) 2,2-Dichloropropane	7.16	77	4792	1.134	ug/l #	50
29) Tetrahydrofuran	7.55	42	1041	1.550	ug/l	88
31) Cyclohexane	7.95	56	11331	1.602	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	27432	4.582	ug/l #	49
37) Ethyl Acetate	7.18	43	110030	46.102	ug/l #	68
38) Carbon Tetrachloride	7.95	117	34906	6.334	ug/l #	16
49) 1,4-Dioxane	9.48	88	110	3.571	ug/l #	1
56) Ethyl methacrylate	10.67	69	959	3.211	ug/l #	25
74) N-amyl acetate	12.25	43	3130	5.284	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	74083	58.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74083	136.806	ug/l #	14
95) Naphthalene	15.38	128	1235	3.703	ug/l #	93

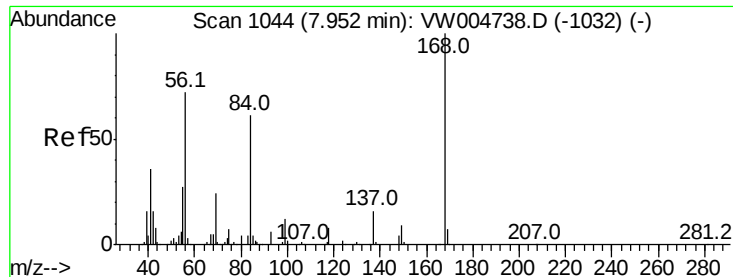
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082018\
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

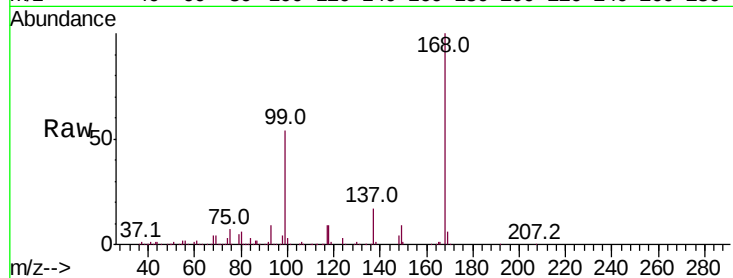
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 374466

Ion Ratio Lower Upper

168 100

99 54.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

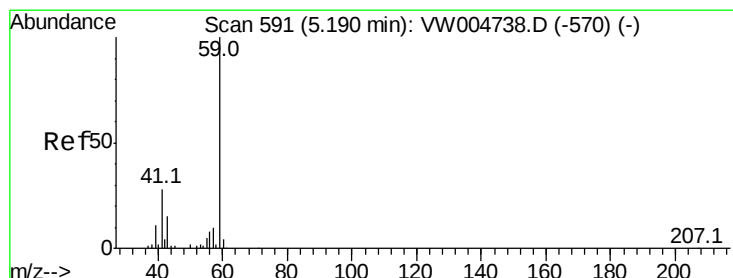
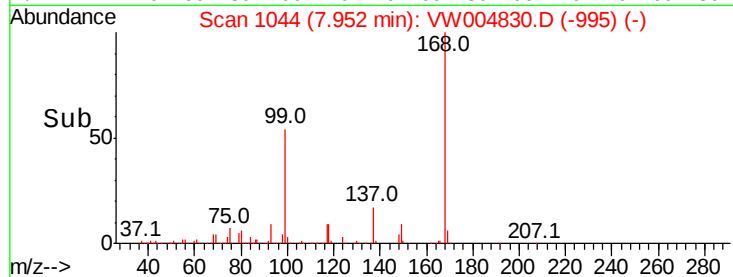
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.578 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004830.D

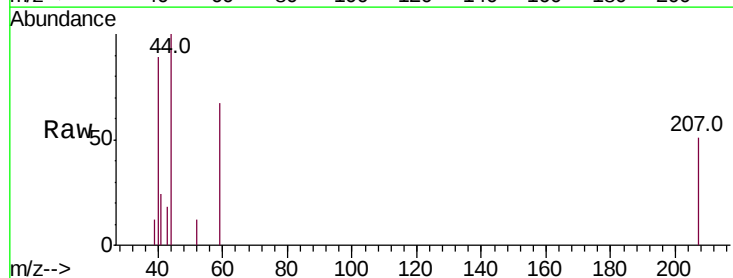
Acq: 21 Aug 2018 09:43

Tgt Ion: 59 Resp: 926

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

400

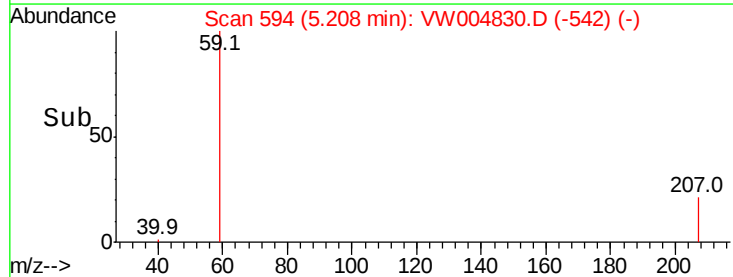
300

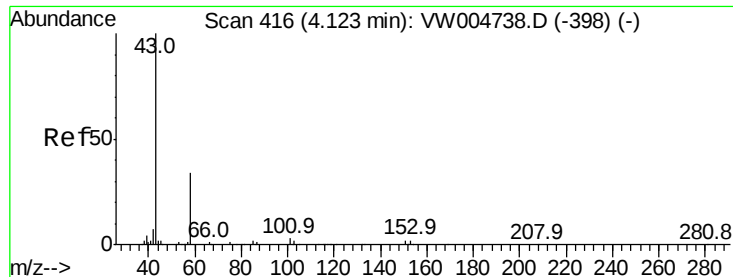
200

100

0

Time-->





#16

Acetone

Concen: 378.037 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

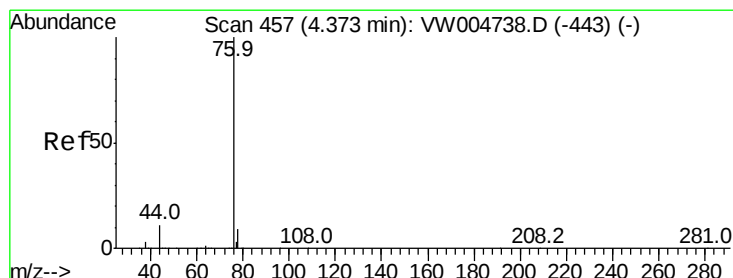
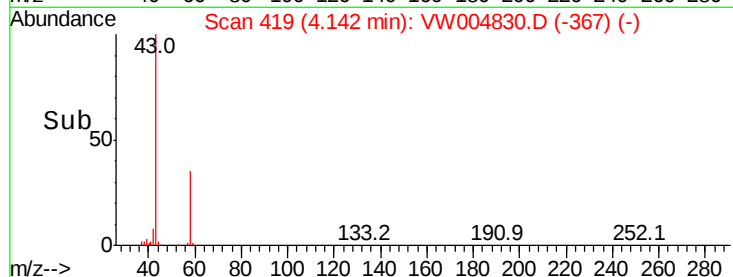
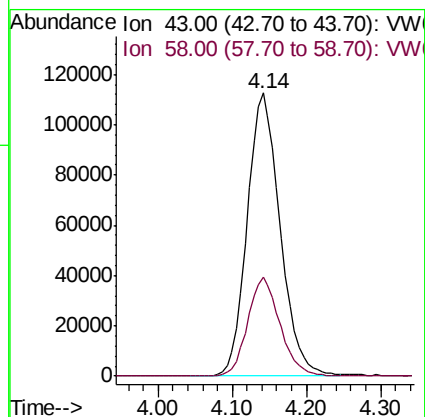
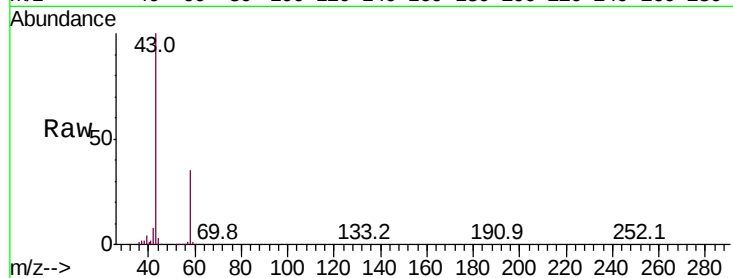
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 349376

Ion Ratio Lower Upper

43 100

58 35.1 27.3 40.9



#17

Carbon Disulfide

Concen: 1.994 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004830.D

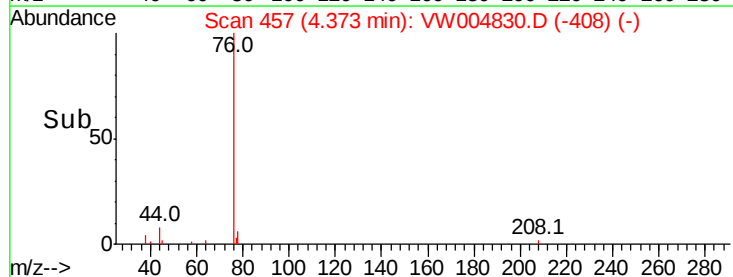
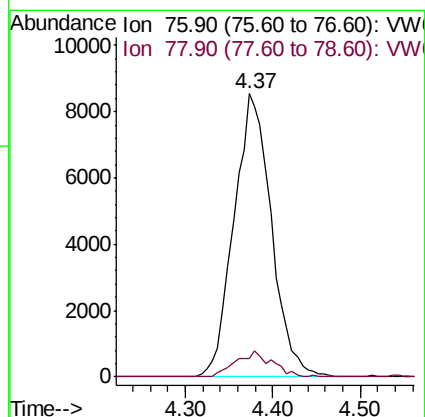
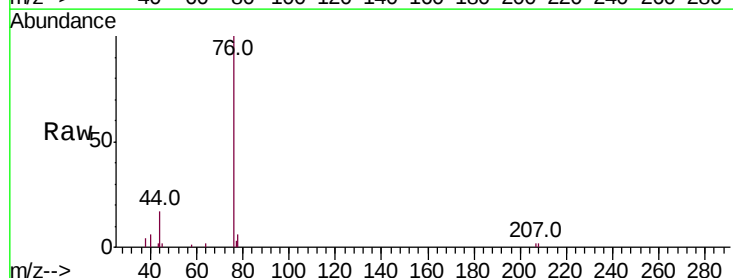
Acq: 21 Aug 2018 09:43

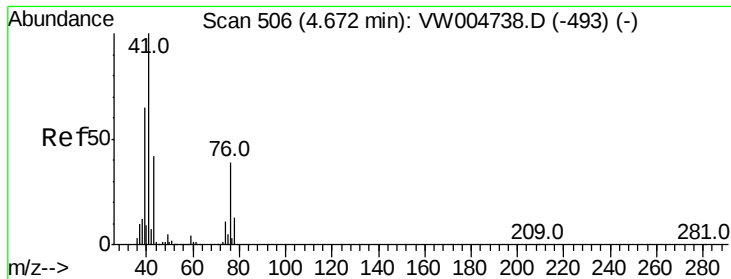
Tgt Ion: 76 Resp: 25290

Ion Ratio Lower Upper

76 100

78 6.3 7.4 11.2#

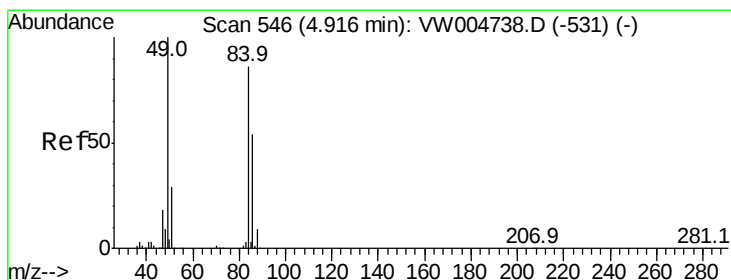
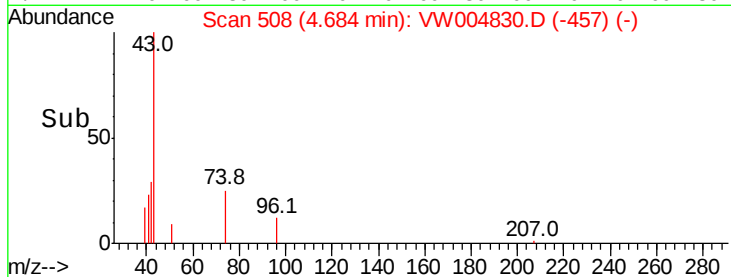
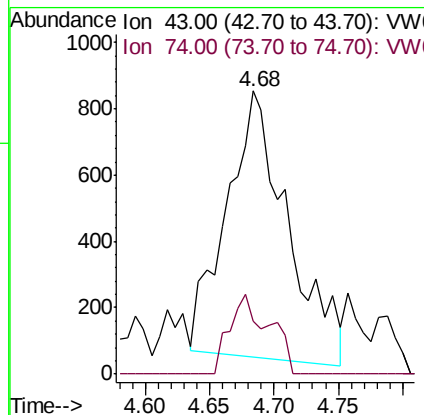
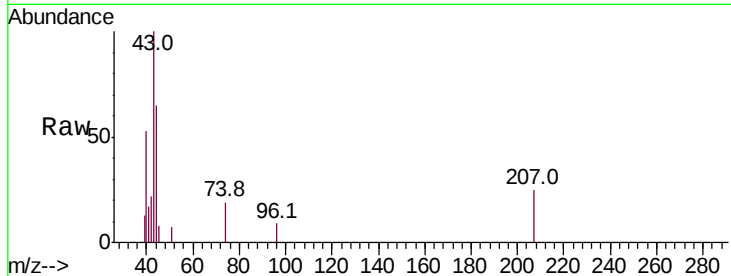




#18
Methyl Acetate
Concen: 1.347 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

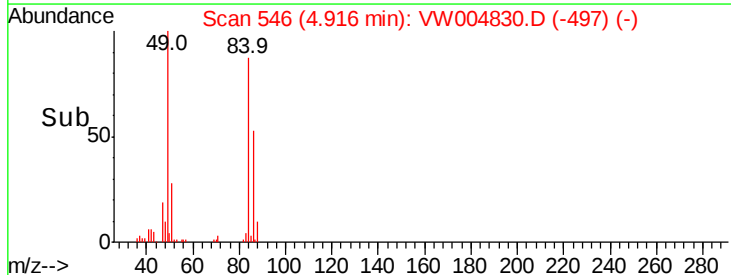
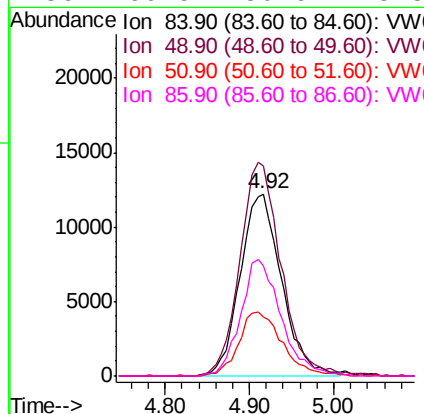
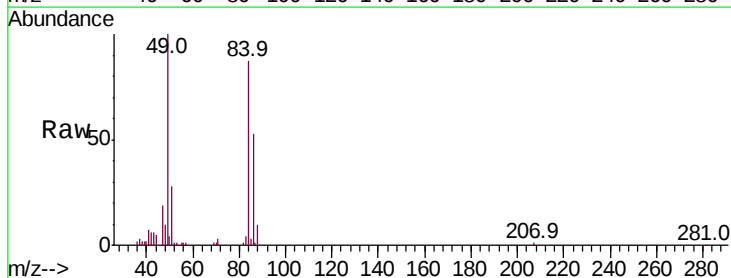
Instrument :
MSVOA_W
ClientSampled :

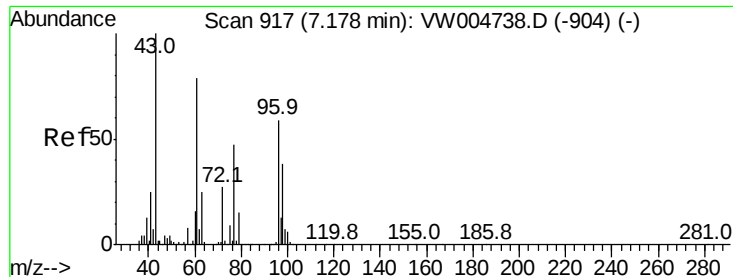
Tot Ion: 43 Resp: 2668
Ion Ratio Lower Upper
43 100
74 19.3 19.8 29.8#



#20
Methylene Chloride
Concen: 5.861 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

Tgt Ion: 84 Resp: 40809
Ion Ratio Lower Upper
84 100
49 114.9 93.2 139.8
51 32.6 27.4 41.0
86 60.5 50.6 75.8





#25

2-Butanone

Concen: 83.560 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

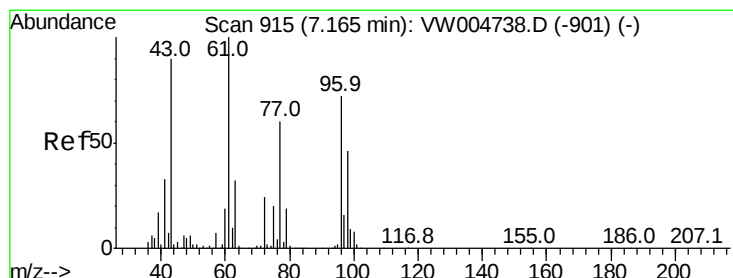
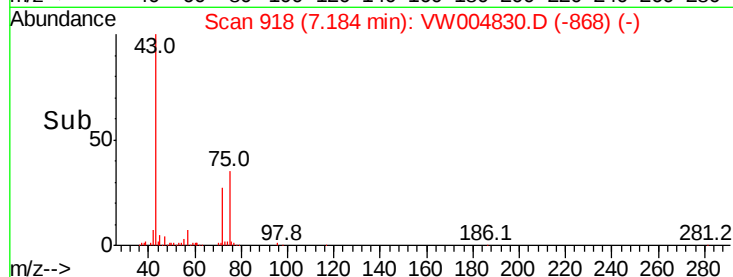
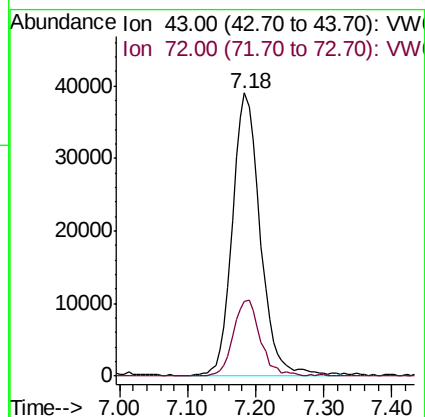
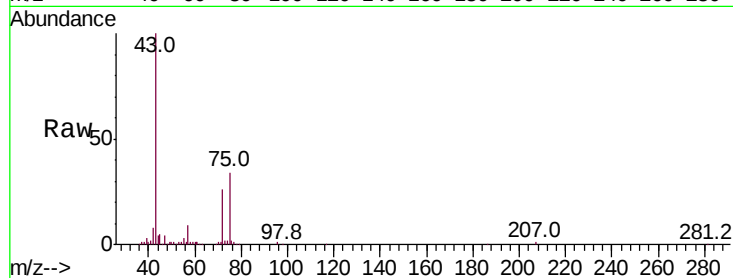
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 110030

Ion Ratio Lower Upper

43 100

72 26.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.134 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW004830.D

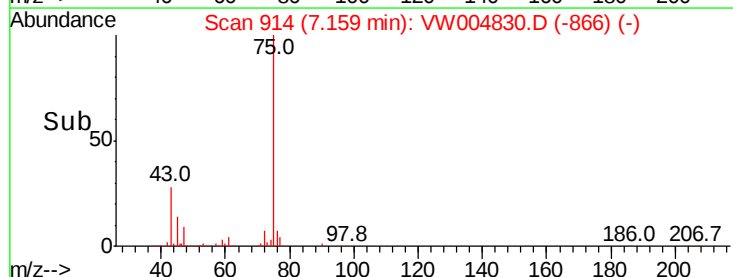
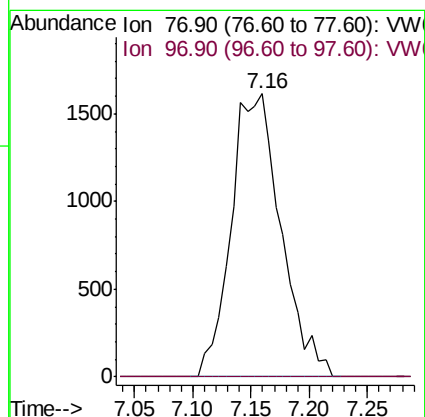
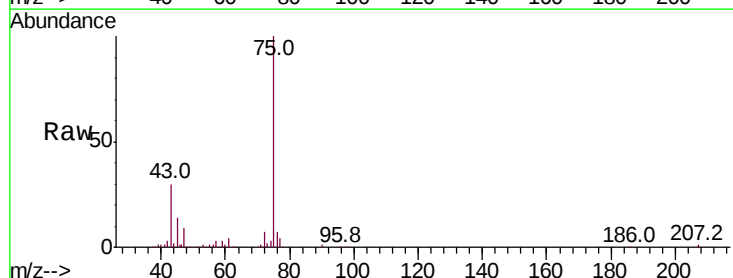
Acq: 21 Aug 2018 09:43

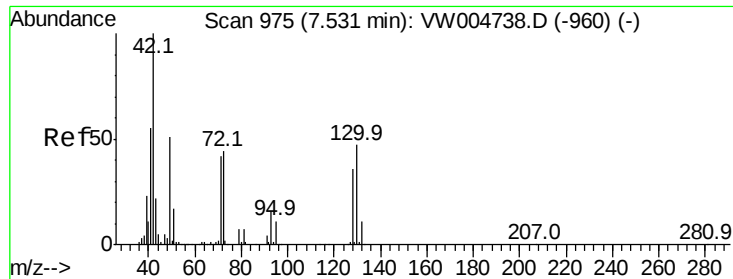
Tgt Ion: 77 Resp: 4792

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#

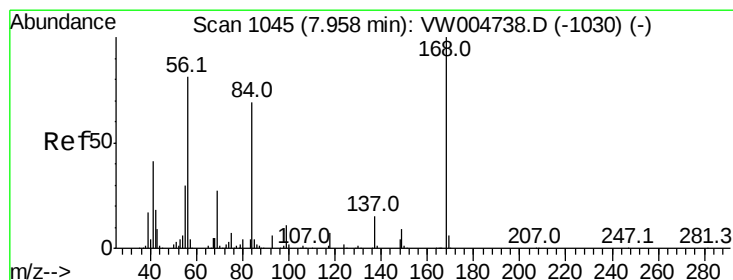
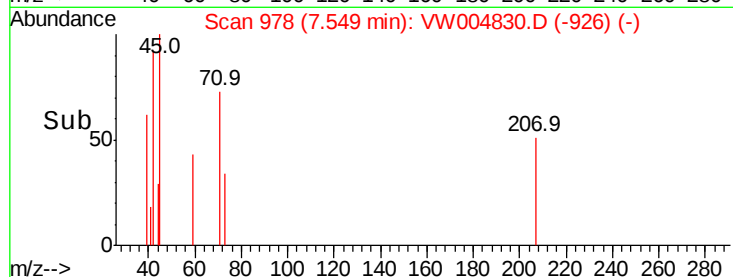
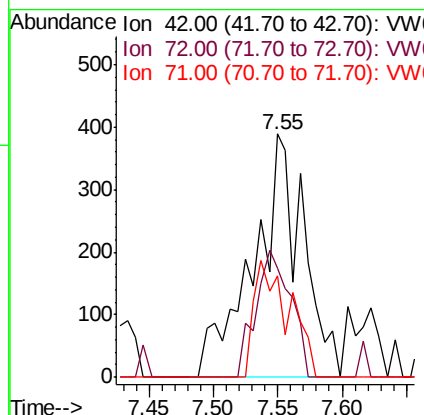
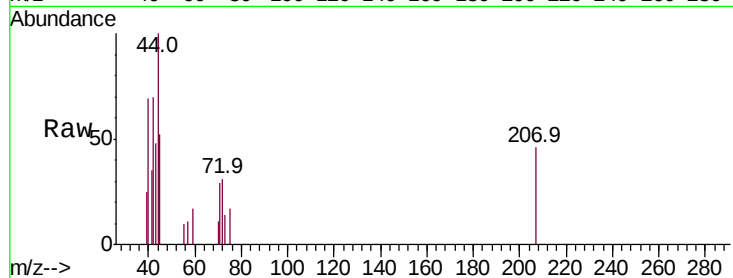




#29
Tetrahydrofuran
Concen: 1.550 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

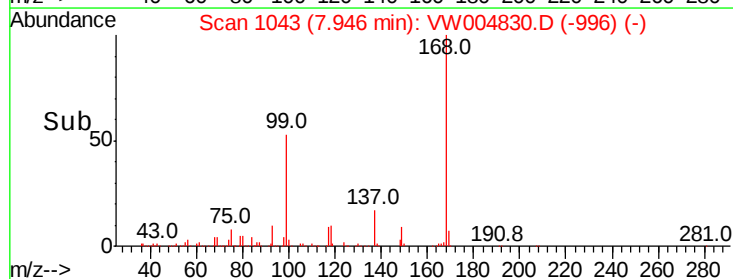
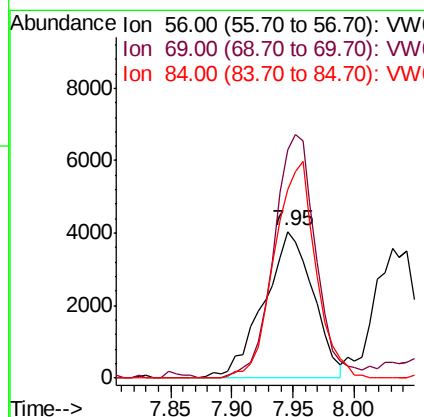
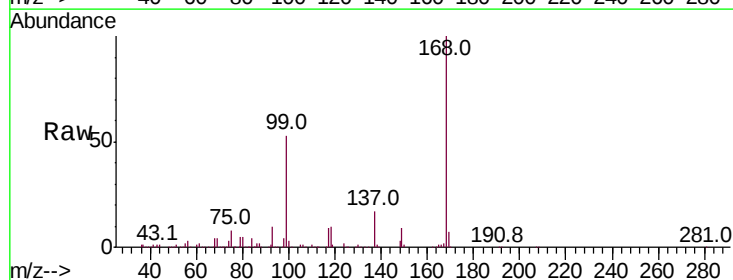
Instrument :
MSVOA_W
ClientSampleId :

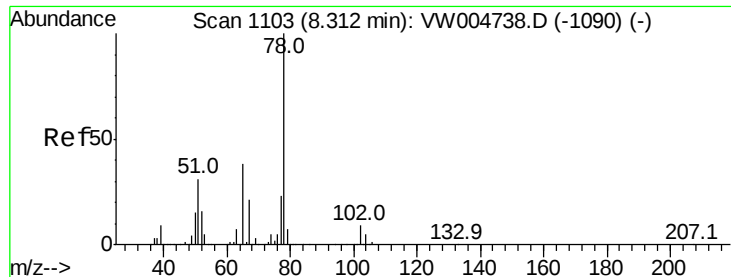
Tot Ion: 42 Resp: 1041
Ion Ratio Lower Upper
42 100
72 36.6 34.9 52.3
71 33.9 33.8 50.6



#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

Tgt Ion: 56 Resp: 11331
Ion Ratio Lower Upper
56 100
69 153.3 27.1 40.7#
84 128.6 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 63.906 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

Instrument :

MSVOA_W

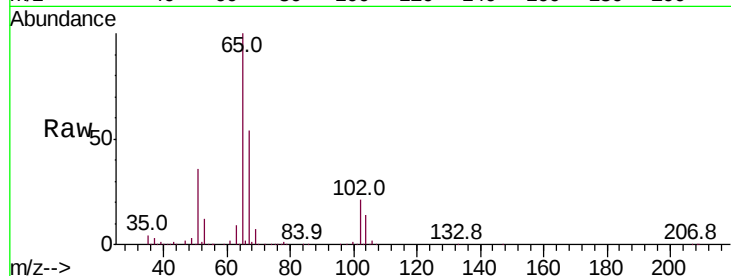
ClientSampled :

Tot Ion: 65 Resp: 231362

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

120000

100000

80000

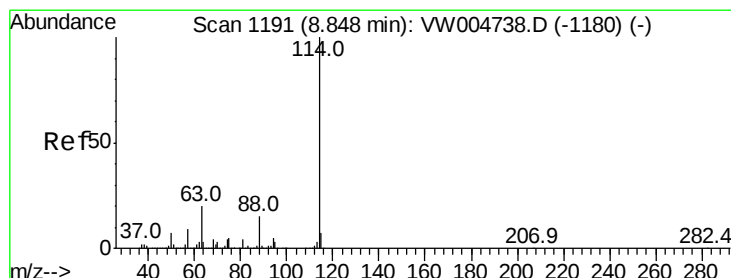
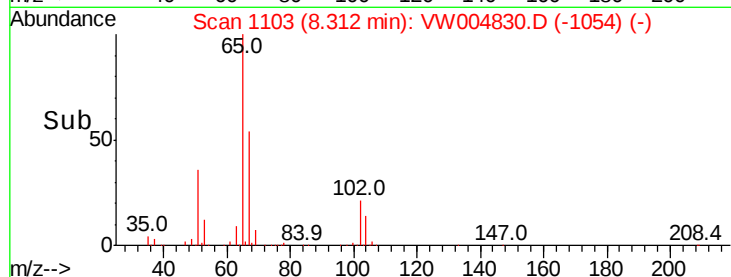
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

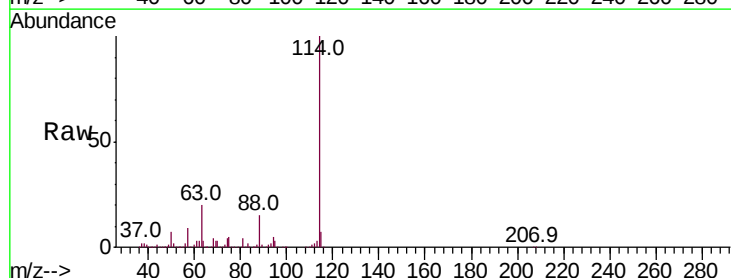
Tgt Ion: 114 Resp: 581176

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

400000

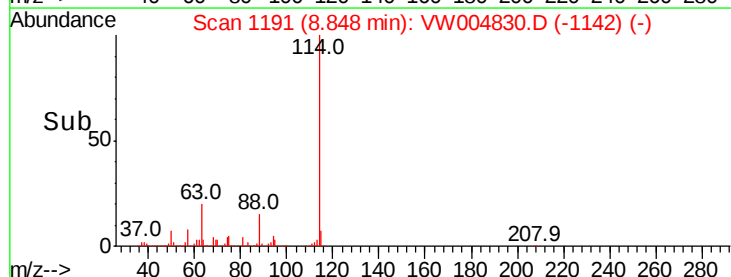
300000

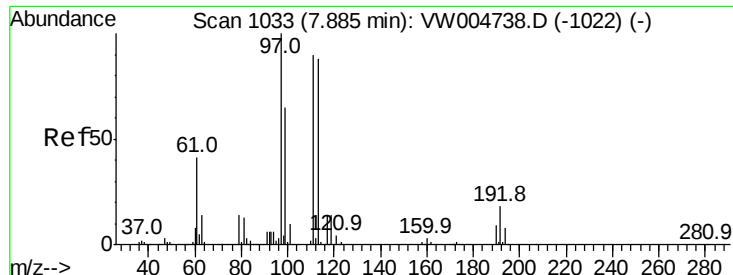
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 60.485 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

Instrument :
MSVOA_W
ClientSampleId :

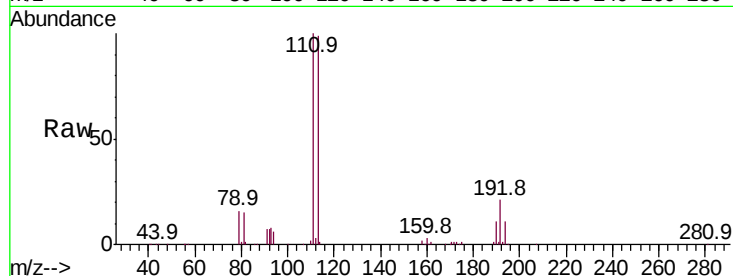
Tot Ion:113 Resp: 224672

Ion Ratio Lower Upper

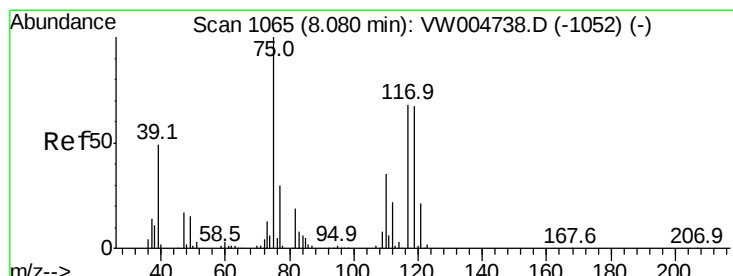
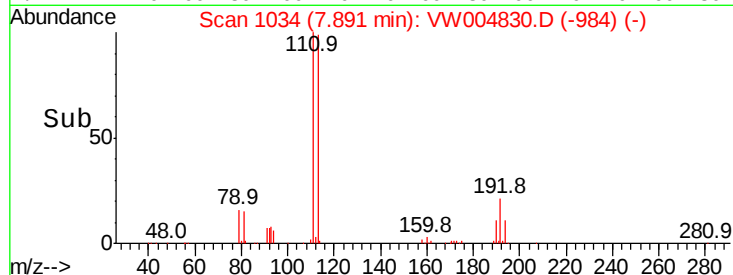
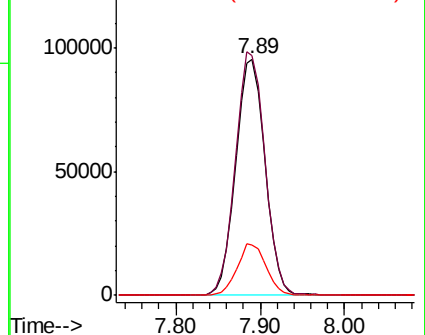
113 100

111 103.4 82.4 123.6

192 21.4 16.7 25.1



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: 4.582 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

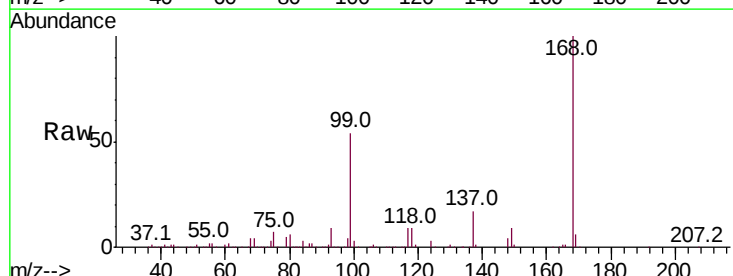
Tgt Ion: 75 Resp: 27432

Ion Ratio Lower Upper

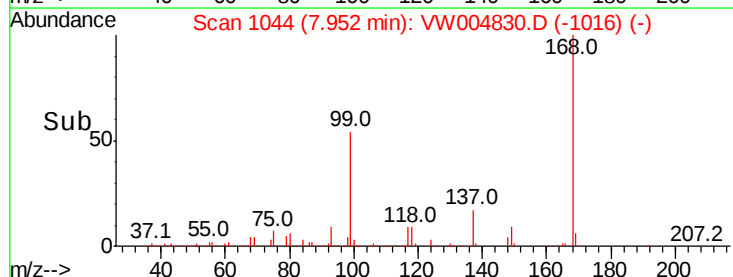
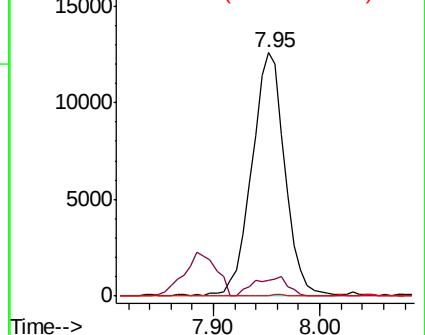
75 100

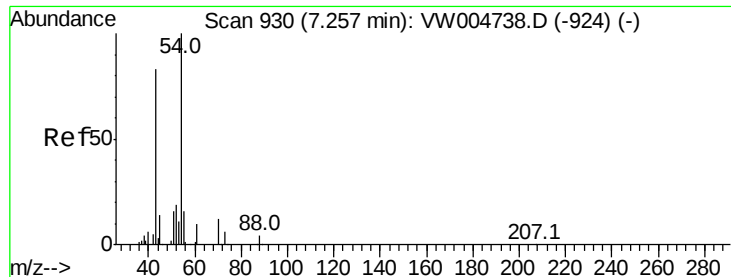
110 8.1 17.8 53.5#

77 0.4 24.9 37.3#



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

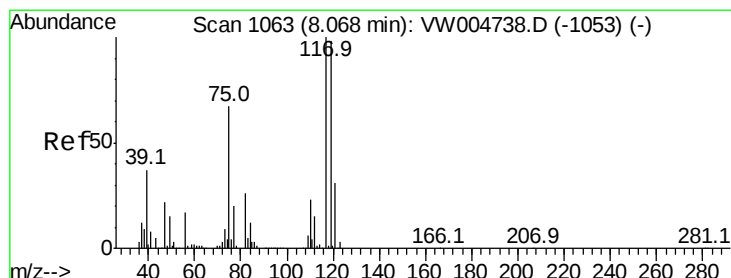
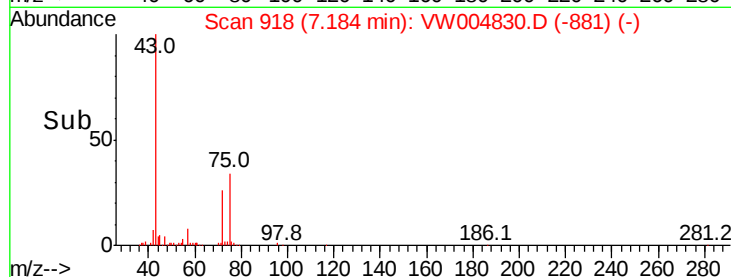
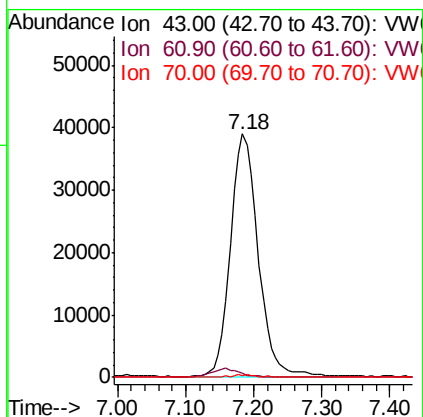
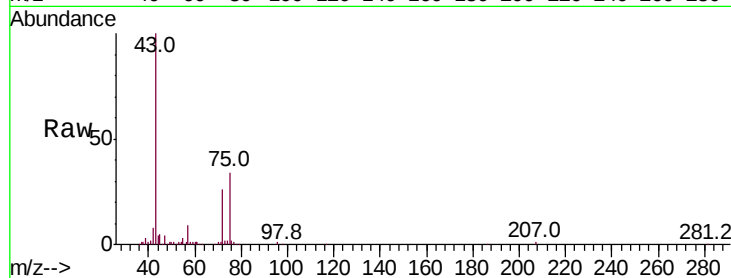




#37
Ethyl Acetate
Concen: 46.102 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.07 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

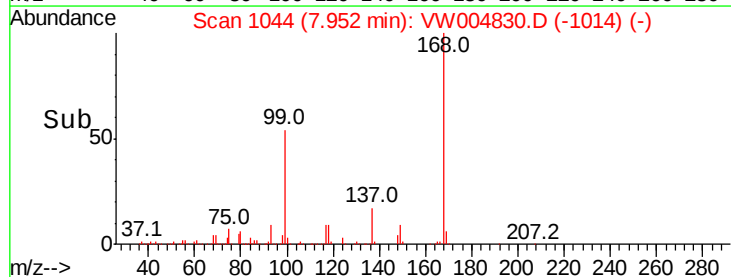
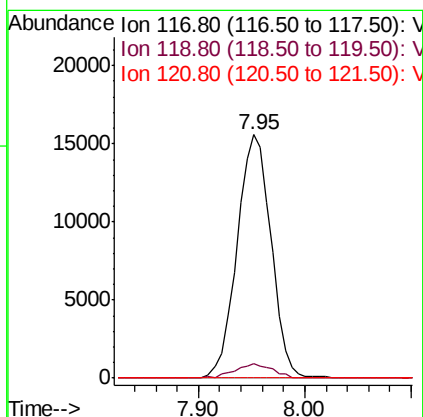
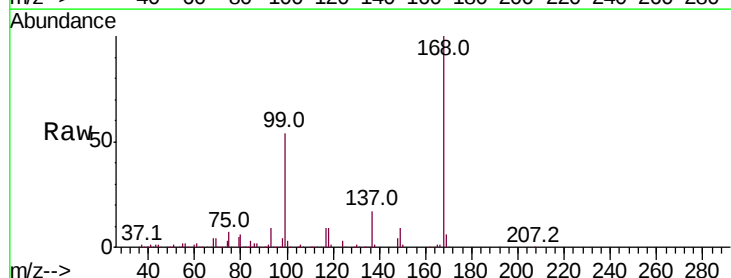
Instrument :
MSVOA_W
ClientSampled :

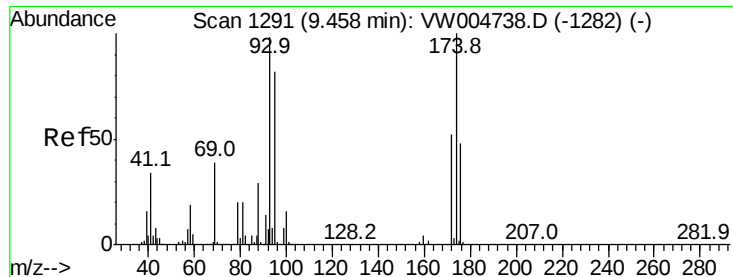
Tot Ion: 43 Resp: 110030
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 1.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

Tgt Ion: 117 Resp: 34906
Ion Ratio Lower Upper
117 100
119 6.2 78.0 117.0#
121 0.0 24.8 37.2#

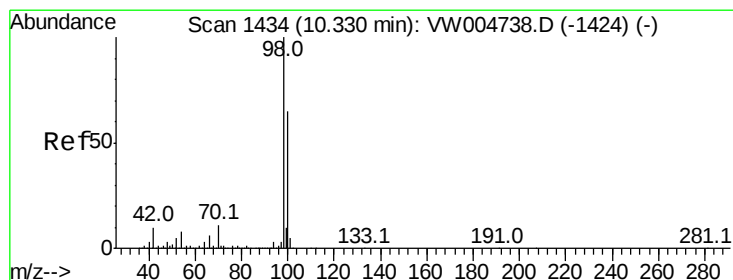
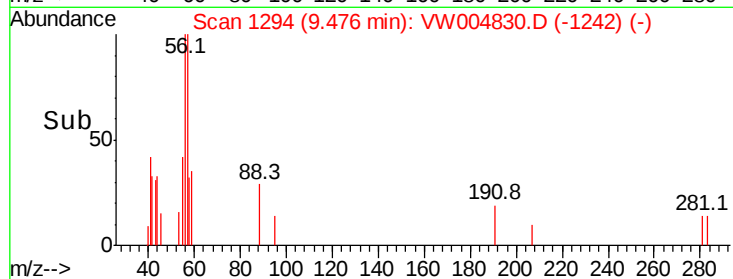
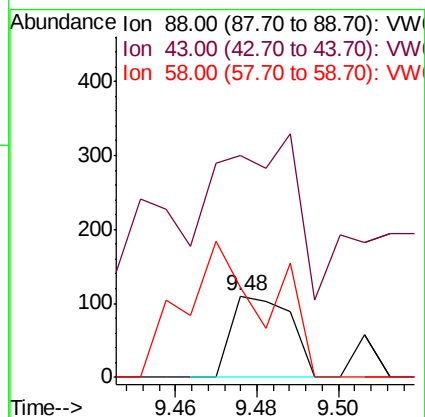
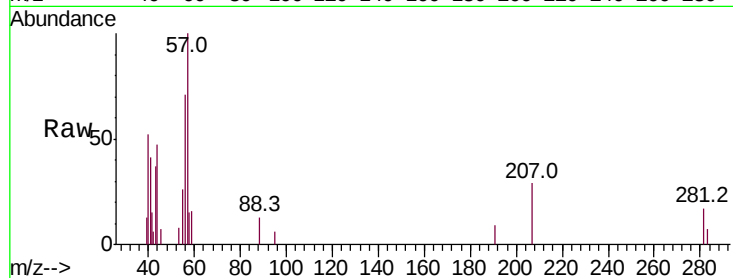




#49
 1,4-Dioxane
 Concen: 3.571 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. 0.02 min
 Lab File: VW004830.D
 Acq: 21 Aug 2018 09:43

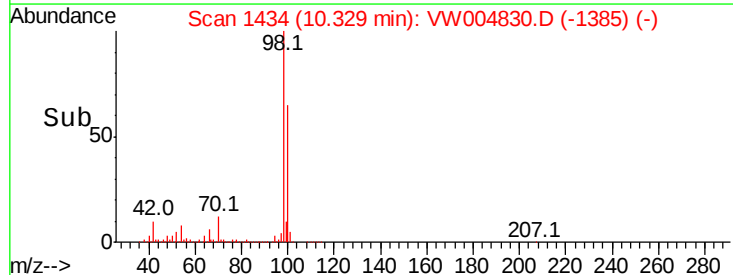
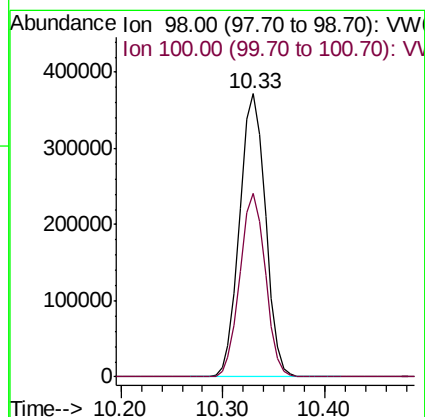
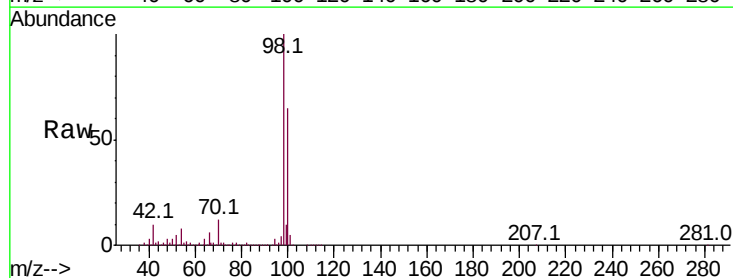
Instrument :
 MSVOA_W
 ClientSampleId :

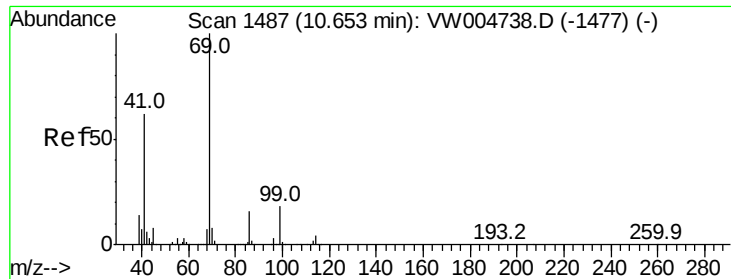
Tot Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 238.2 60.0 90.0#



#50
 Toluene-d8
 Concen: 45.105 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW004830.D
 Acq: 21 Aug 2018 09:43

Tgt Ion: 98 Resp: 654010
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.8 77.8





#56

Ethyl methacrylate

Concen: 3.211 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

Instrument :

MSVOA_W

ClientSampleId :

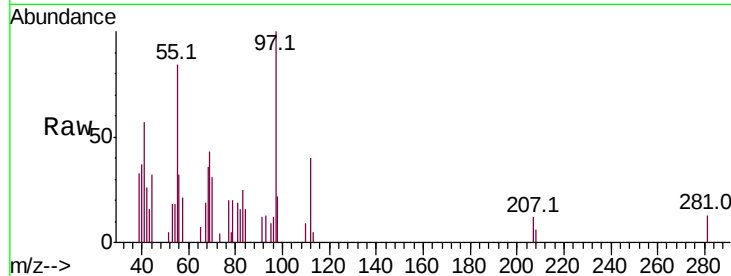
Tot Ion: 69 Resp: 959

Ion Ratio Lower Upper

69 100

41 121.3 50.7 76.1#

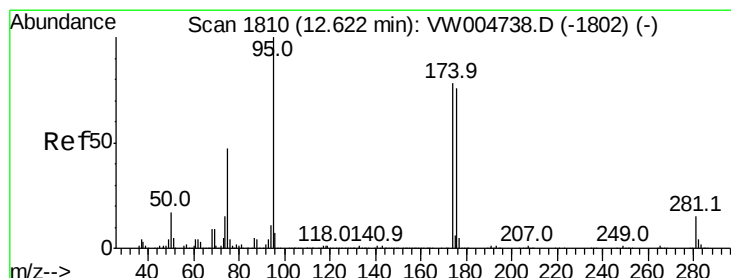
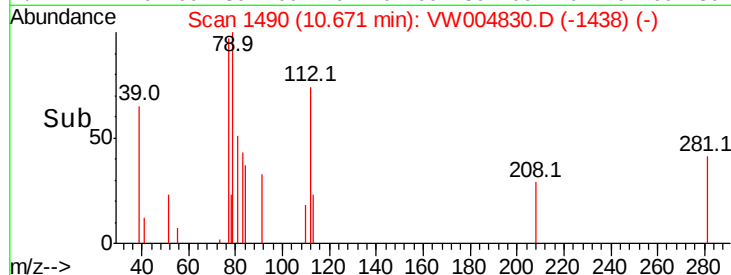
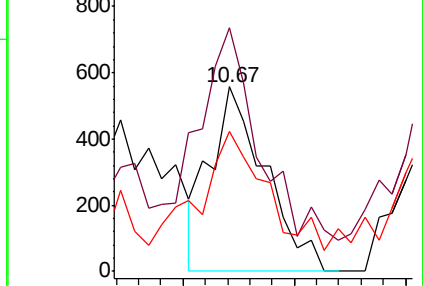
39 66.2 21.4 32.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 29.763 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

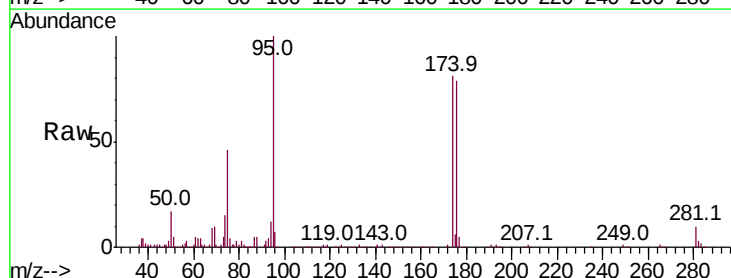
Tgt Ion: 95 Resp: 155260

Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

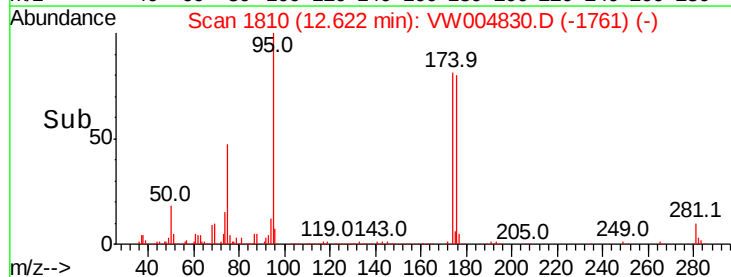
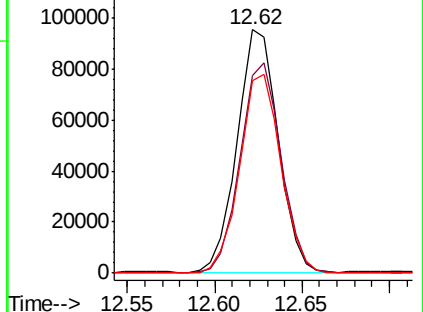
176 82.5 0.0 159.8

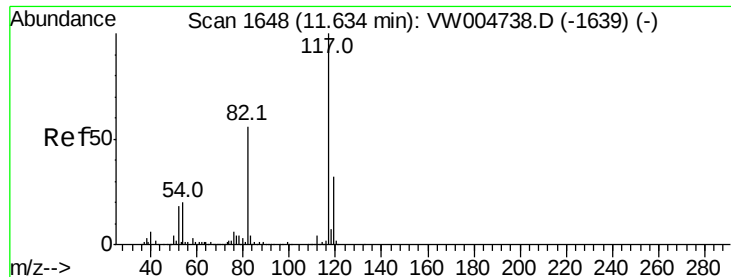


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

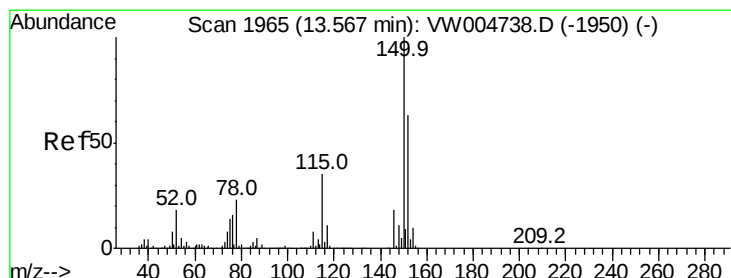
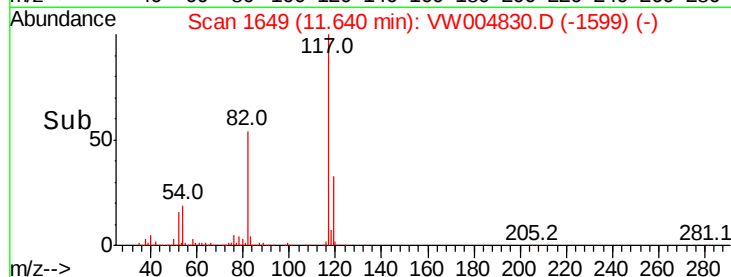
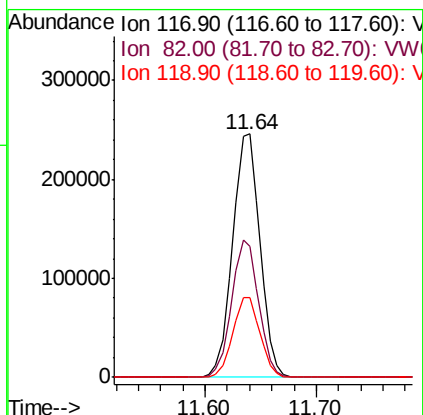
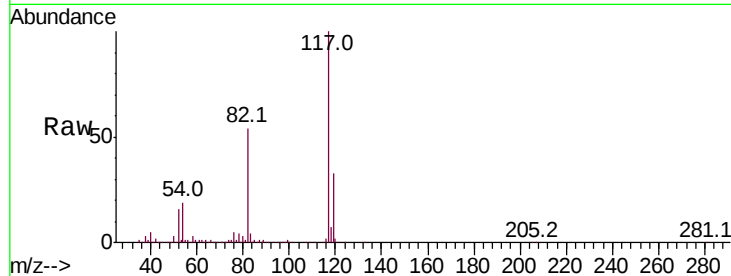




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

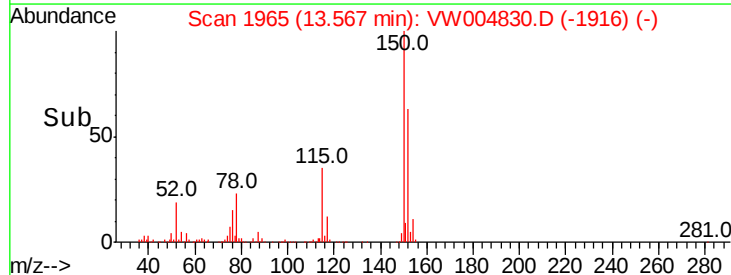
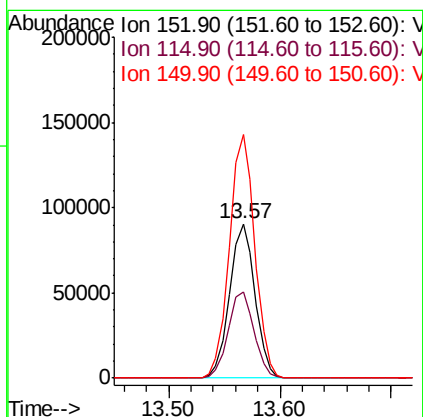
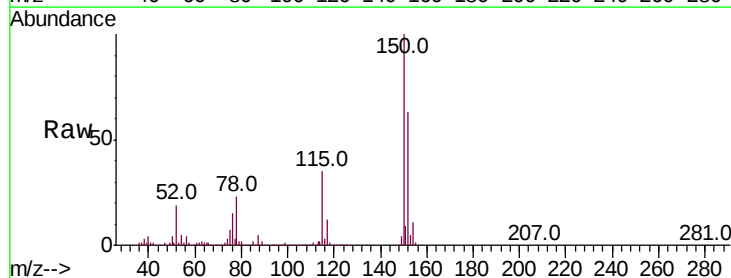
Instrument :
MSVOA_W
ClientSampleId :

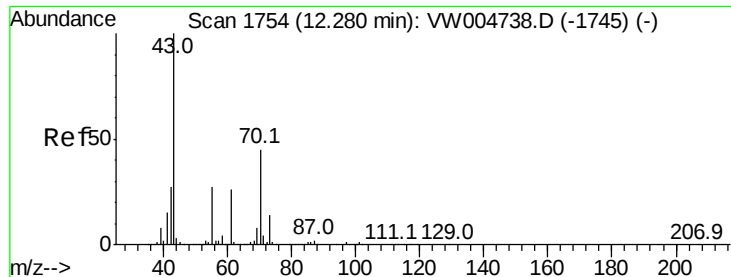
Tot Ion:117 Resp: 418920
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

Tgt Ion:152 Resp: 142780
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.5
150 157.8 0.0 344.8

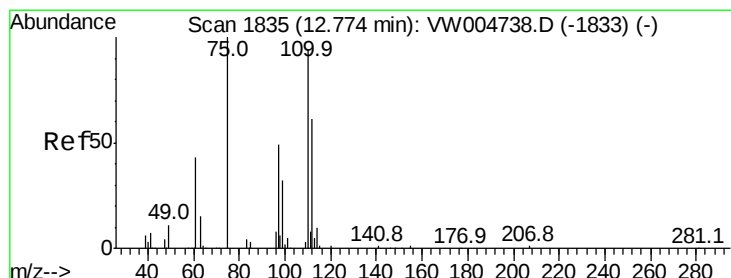
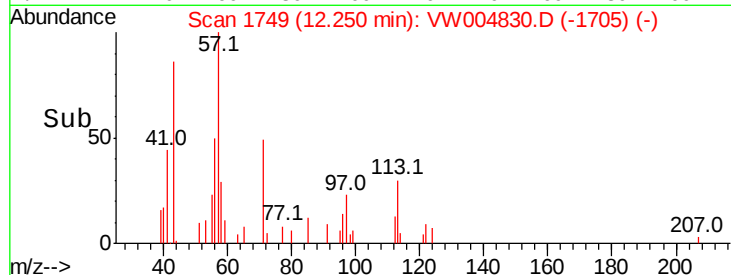
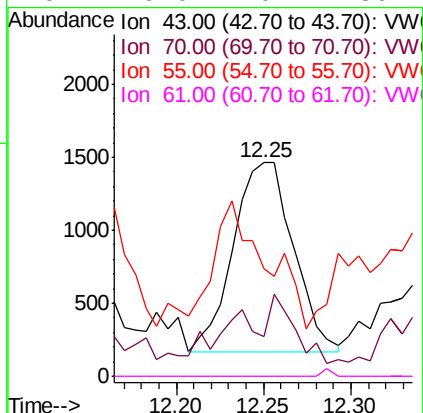
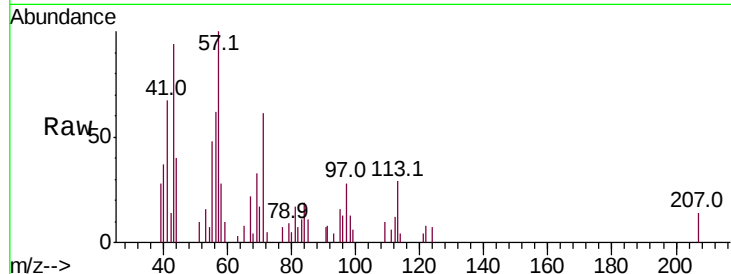




#74
N-amvl acetate
Concen: 5.284 ug/l
RT: 12.25 min Scan# 1749
Delta R.T. -0.03 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

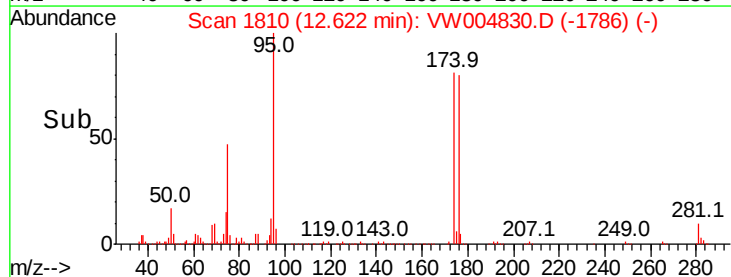
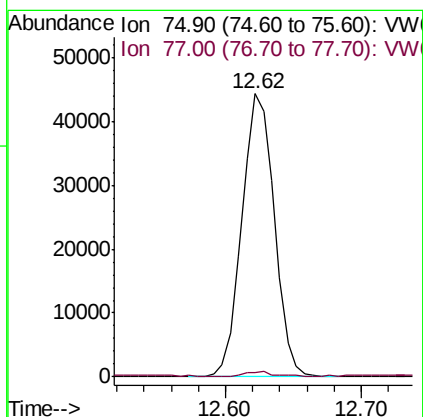
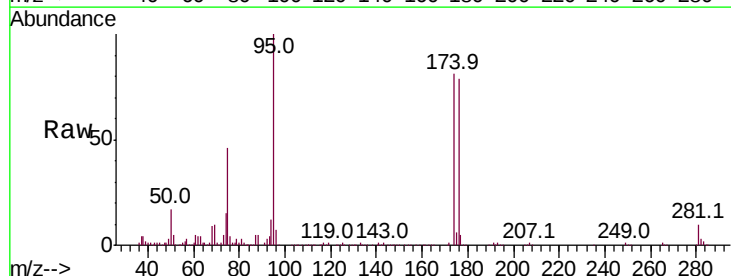
Instrument :
MSVOA_W
ClientSampled :

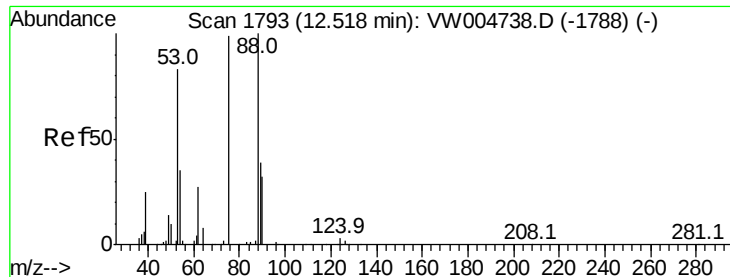
Tot Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
70 14.6 36.3 54.5#
55 0.0 22.6 33.8#
61 0.0 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 58.860 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004830.D
Acq: 21 Aug 2018 09:43

Tgt Ion: 75 Resp: 74083
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 136.806 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

Instrument :

MSVOA_W

ClientSampleId :

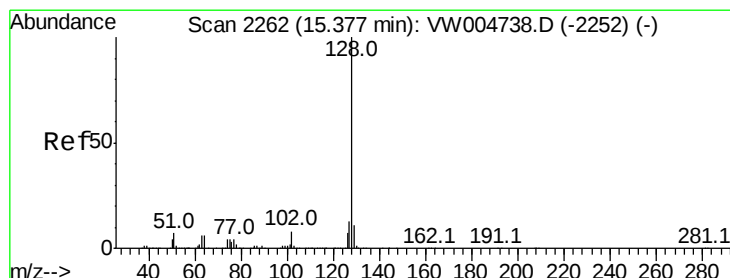
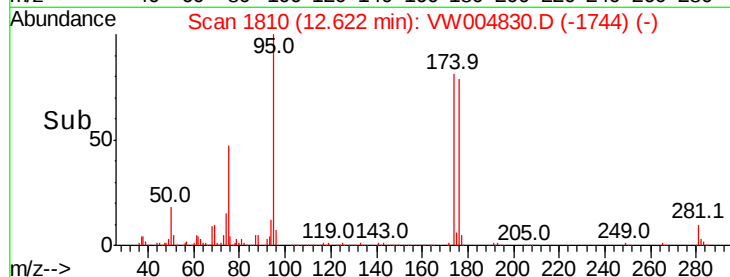
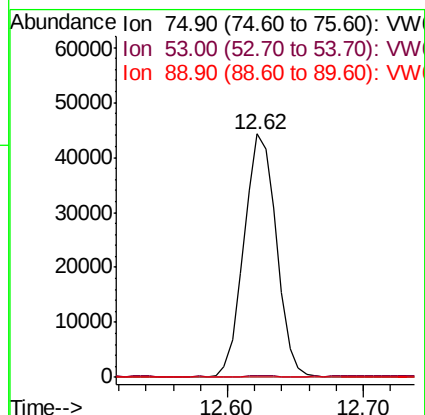
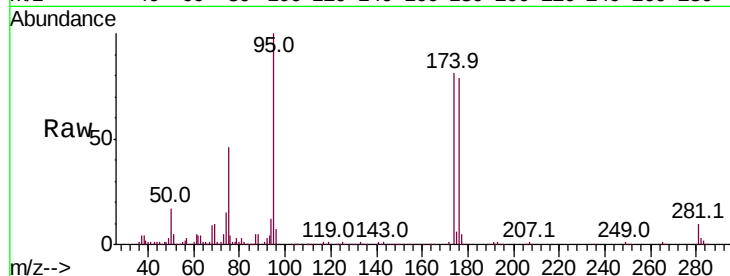
Tot Ion: 75 Resp: 74083

Ion Ratio Lower Upper

75 100

53 0.6 72.2 108.4#

89 0.1 35.2 52.8#



#95

Naphthalene

Concen: 3.703 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004830.D

Acq: 21 Aug 2018 09:43

Tgt Ion: 128 Resp: 1235

Ion Ratio Lower Upper

128 100

127 16.8 10.4 15.6#

129 11.8 8.6 13.0

