

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004829.D
 Acq On : 21 Aug 2018 09:17
 Operator : SY/AP
 Sample : J4511-11
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 11:32:43 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	279136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	405150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	67853	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	162596	60.25	ug/l	0.00
Spiked Amount			Recovery	=	120.50%	
35) Dibromofluoromethane	7.89	113	157382	60.78	ug/l	0.00
Spiked Amount			Recovery	=	121.56%	
50) Toluene-d8	10.33	98	322614	31.92	ug/l	0.00
Spiked Amount			Recovery	=	63.84%	
62) 4-Bromofluorobenzene	12.63	95	74633	20.52	ug/l	0.00
Spiked Amount			Recovery	=	41.04%	

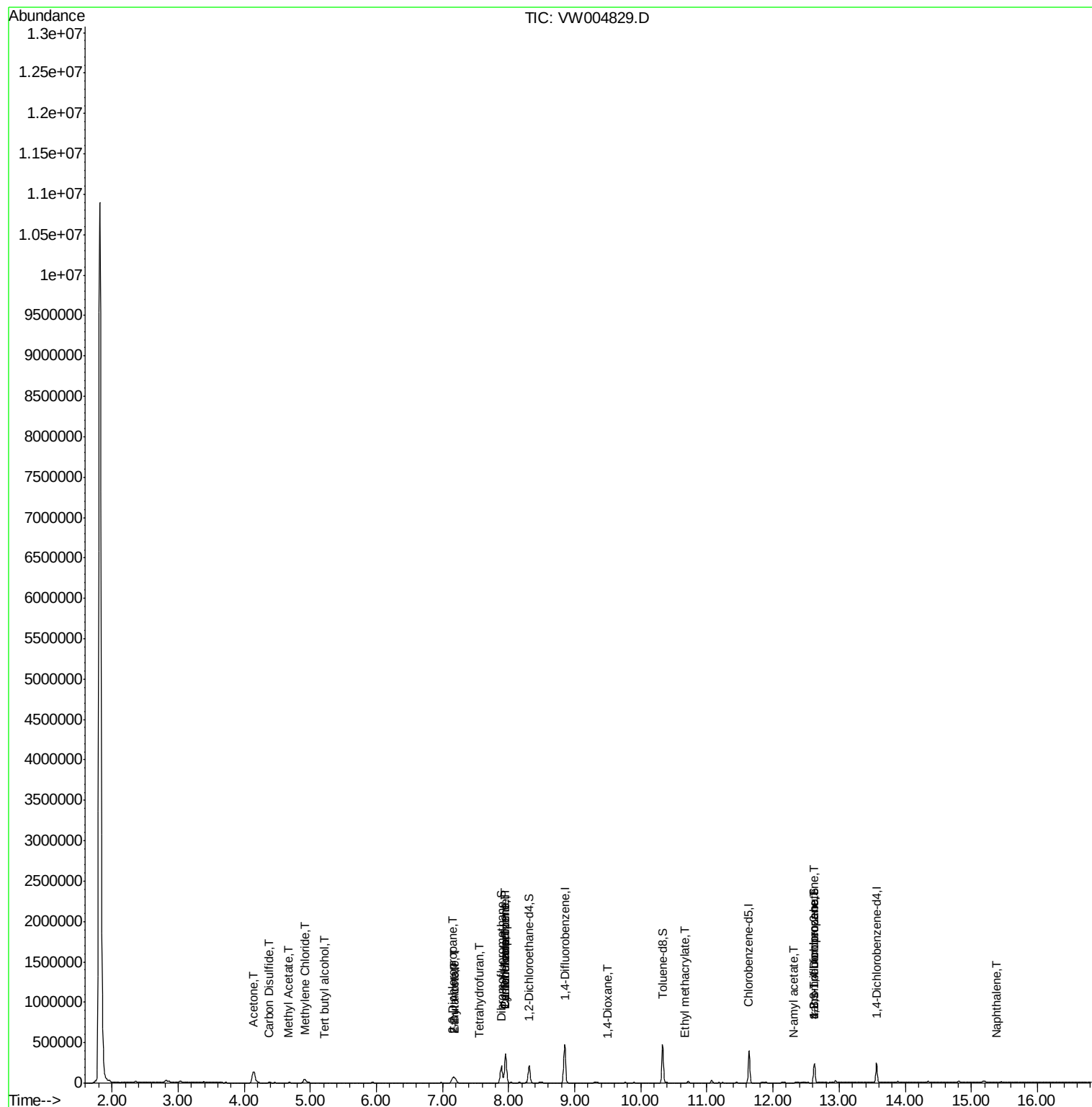
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	701	4.649	ug/l #	72
16) Acetone	4.14	43	283233	411.133	ug/l	100
17) Carbon Disulfide	4.38	76	19611	2.075	ug/l	97
18) Methyl Acetate	4.67	43	11785	7.983	ug/l #	50
20) Methylene Chloride	4.92	84	36514	7.982	ug/l	95
25) 2-Butanone	7.19	43	86840	88.471	ug/l	100
26) 2,2-Dichloropropane	7.15	77	4314	1.370	ug/l #	50
29) Tetrahydrofuran	7.55	42	799	1.596	ug/l #	71
31) Cyclohexane	7.95	56	7177	1.361	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	20931	5.015	ug/l #	48
37) Ethyl Acetate	7.19	43	86840	52.194	ug/l #	68
38) Carbon Tetrachloride	7.95	117	25380	6.606	ug/l #	15
49) 1,4-Dioxane	9.49	88	164	7.637	ug/l #	76
56) Ethyl methacrylate	10.67	69	394	3.116	ug/l #	1
74) N-amyl acetate	12.31	43	226	4.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	35549	59.433	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35549	138.138	ug/l #	14
95) Naphthalene	15.38	128	702	3.741	ug/l #	28

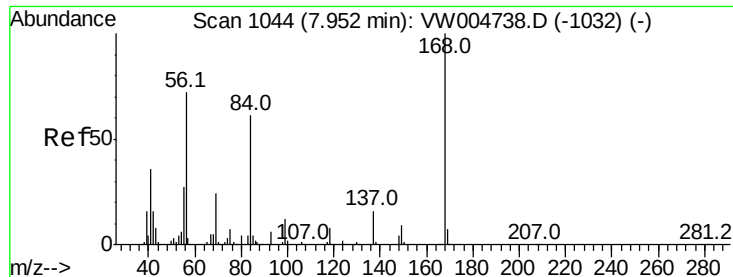
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

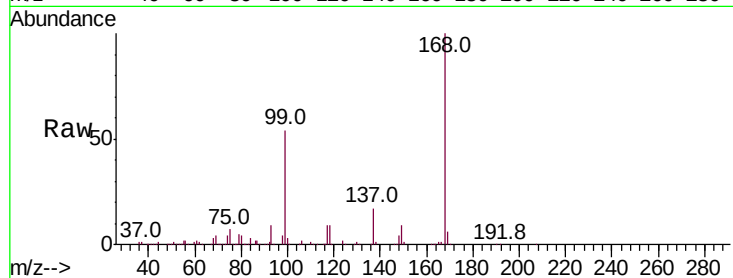
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 279136

Ion Ratio Lower Upper

168 100

99 53.6 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

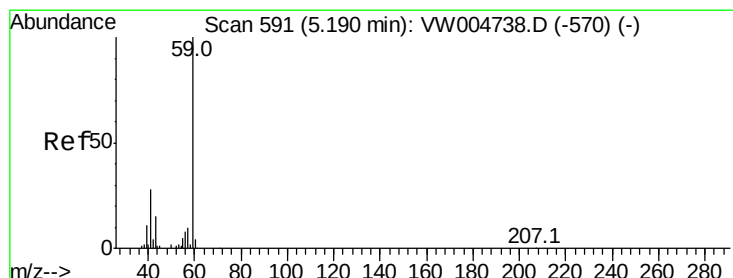
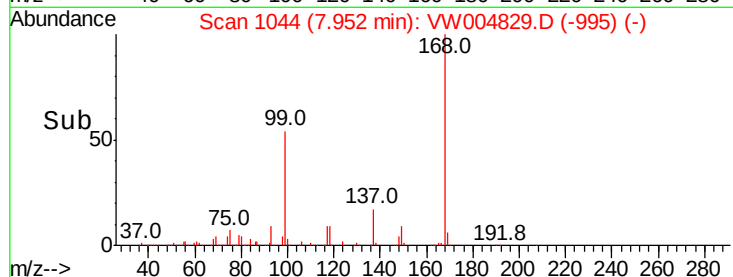
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.649 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004829.D

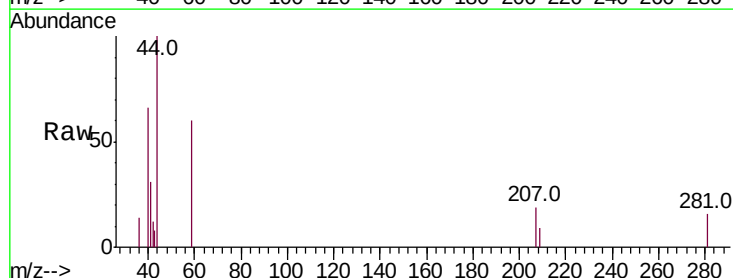
Acq: 21 Aug 2018 09:17

Tgt Ion: 59 Resp: 701

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

500

400

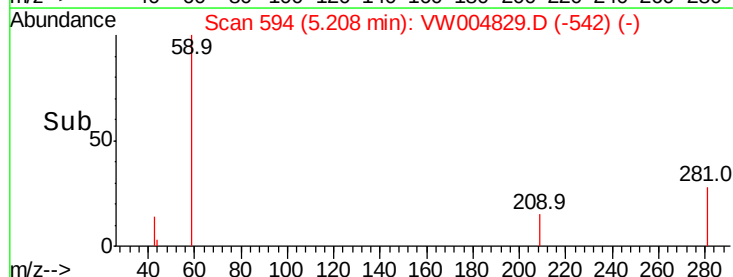
300

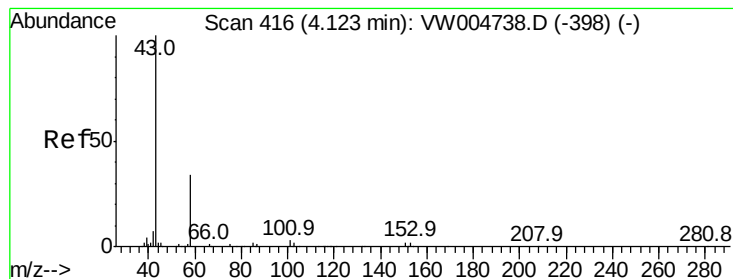
200

100

0

Time-->





#16

Acetone

Concen: 411.133 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

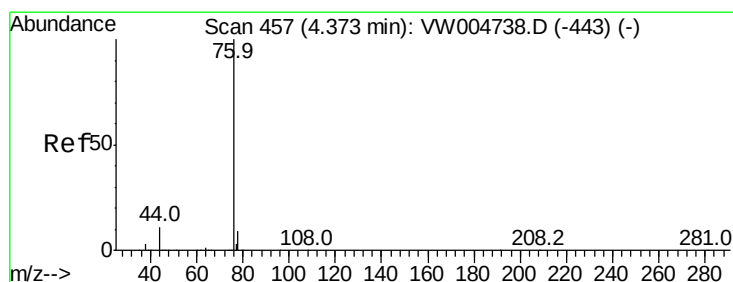
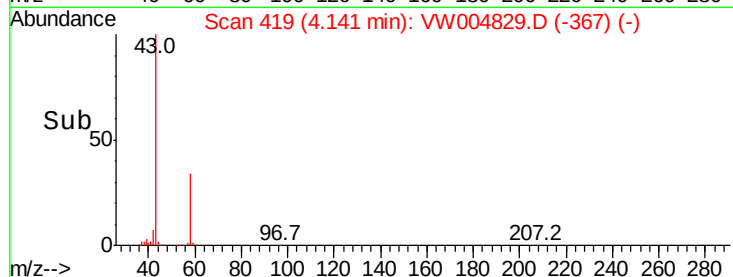
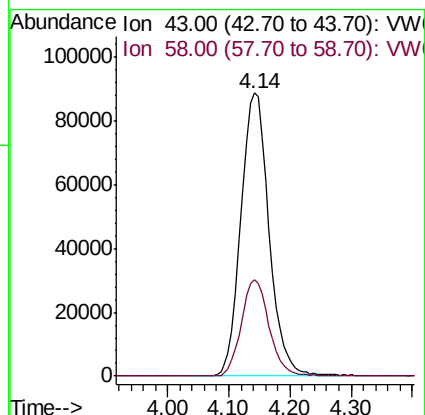
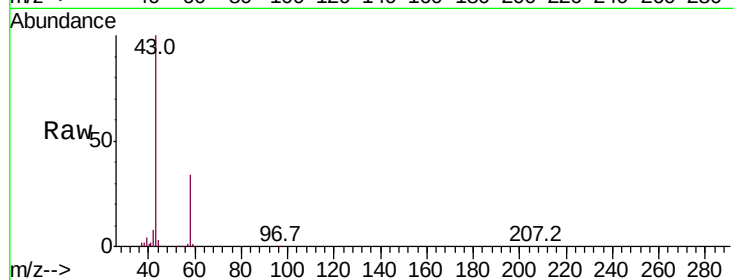
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 283233

Ion Ratio Lower Upper

43 100

58 34.1 27.3 40.9



#17

Carbon Disulfide

Concen: 2.075 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004829.D

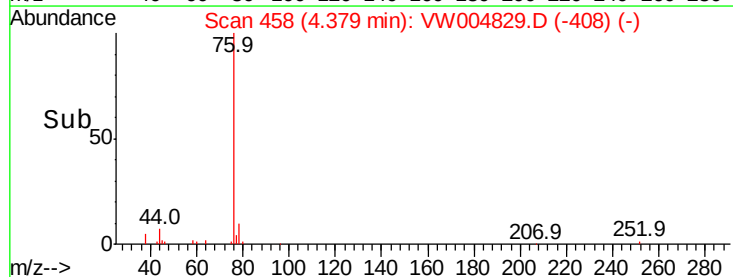
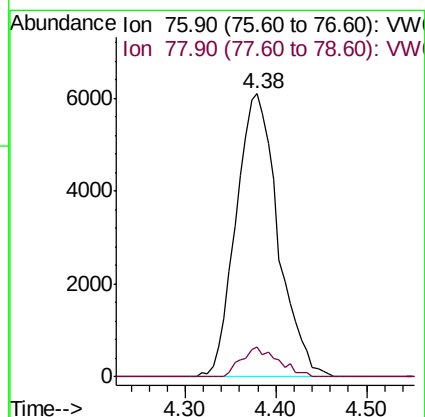
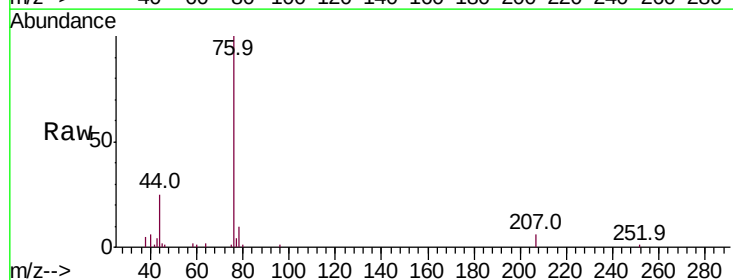
Acq: 21 Aug 2018 09:17

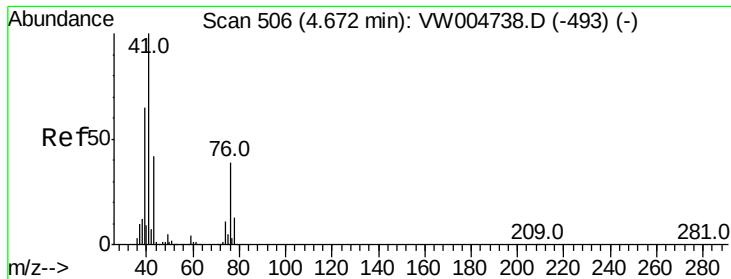
Tgt Ion: 76 Resp: 19611

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2

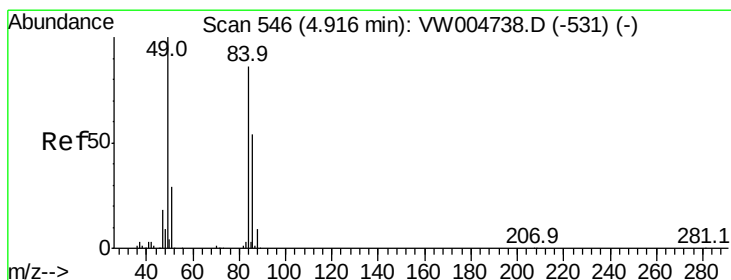
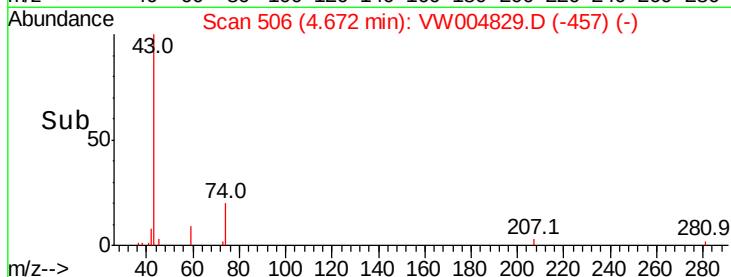
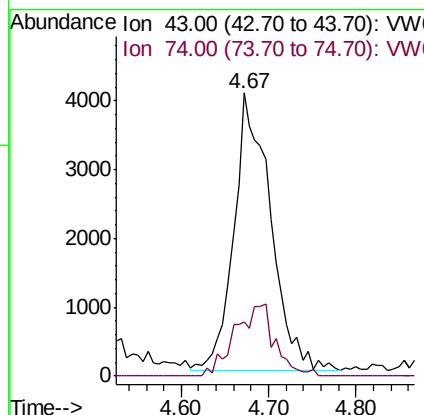
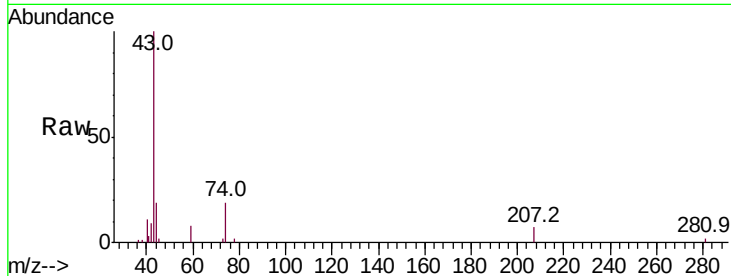




#18
Methyl Acetate
Concen: 7.983 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

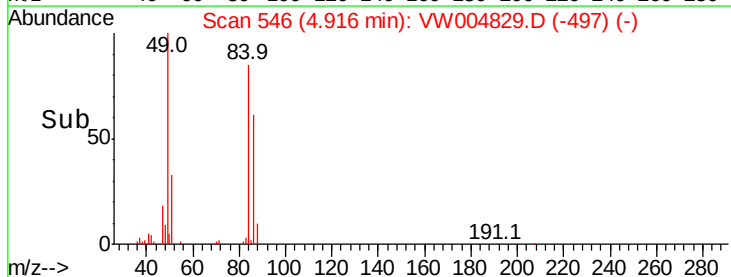
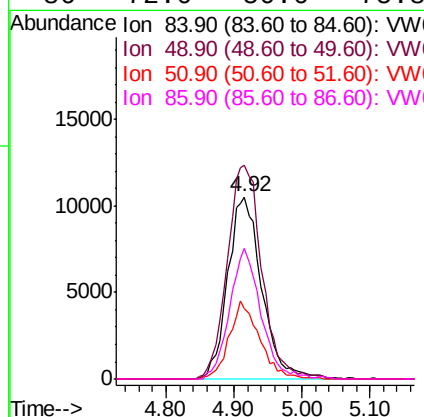
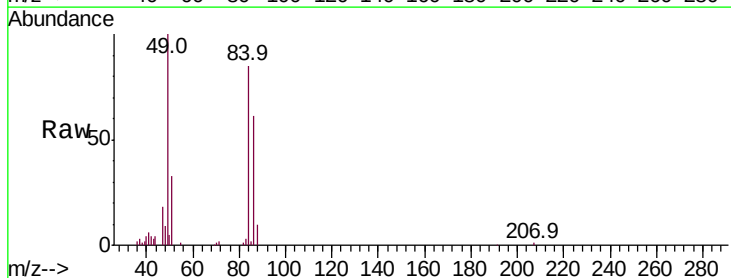
Instrument :
MSVOA_W
ClientSampleId :

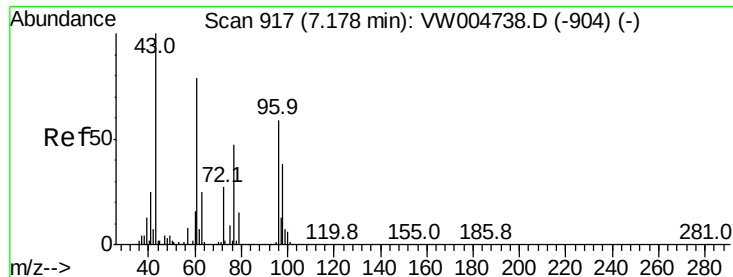
Tot Ion: 43 Resp: 11785
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#



#20
Methylene Chloride
Concen: 7.982 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

Tgt Ion: 84 Resp: 36514
Ion Ratio Lower Upper
84 100
49 117.4 93.2 139.8
51 38.7 27.4 41.0
86 72.0 50.6 75.8





#25

2-Butanone

Concen: 88.471 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

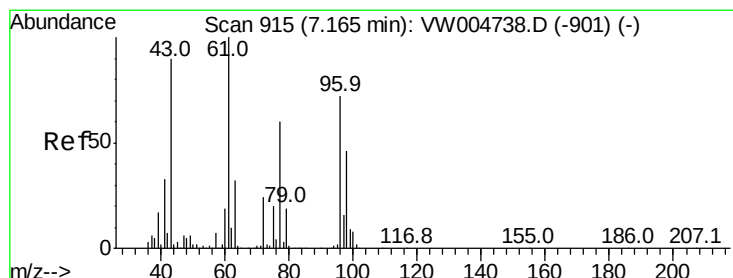
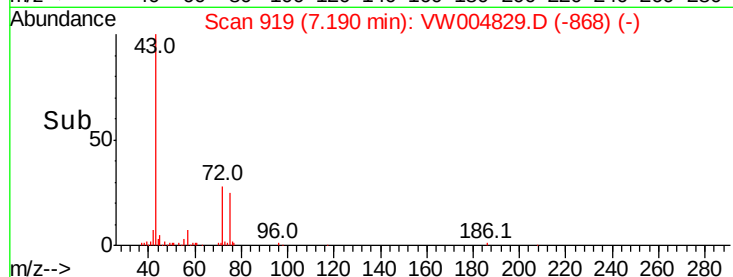
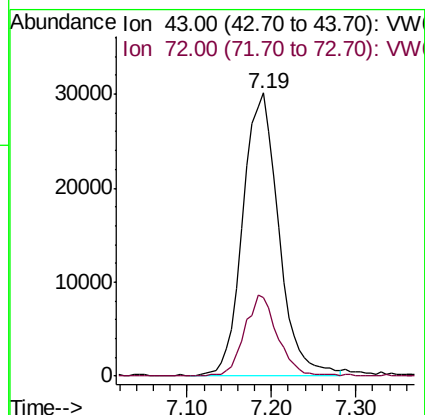
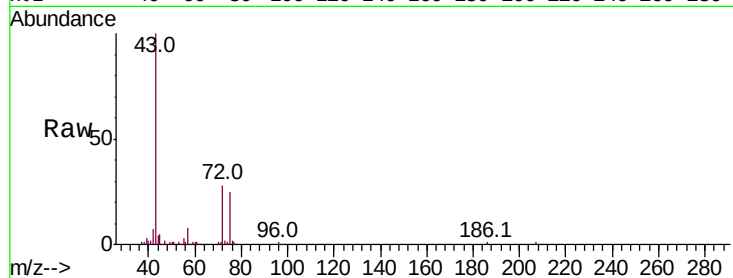
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 86840

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.370 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004829.D

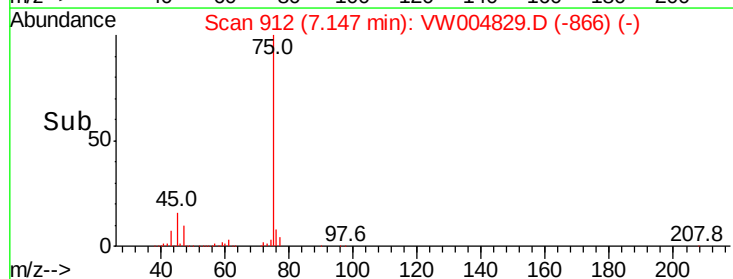
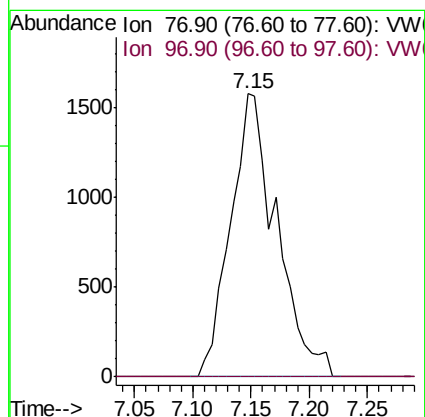
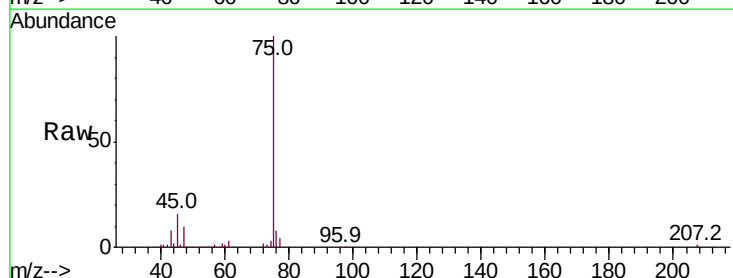
Acq: 21 Aug 2018 09:17

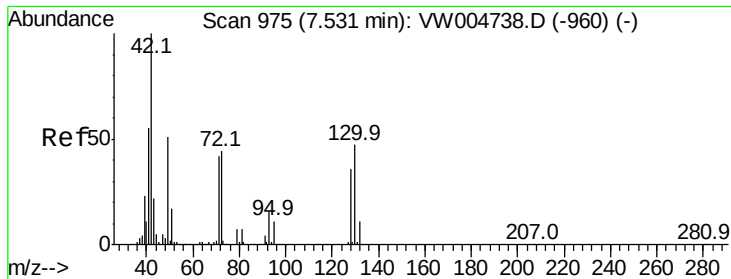
Tgt Ion: 77 Resp: 4314

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#

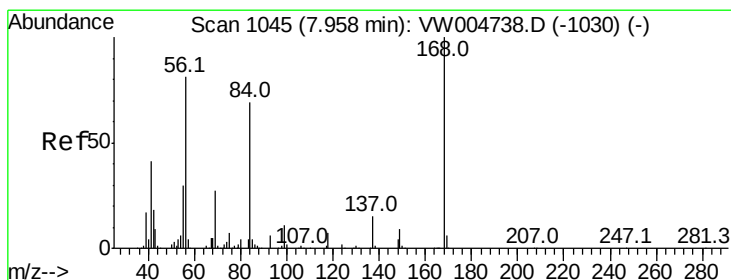
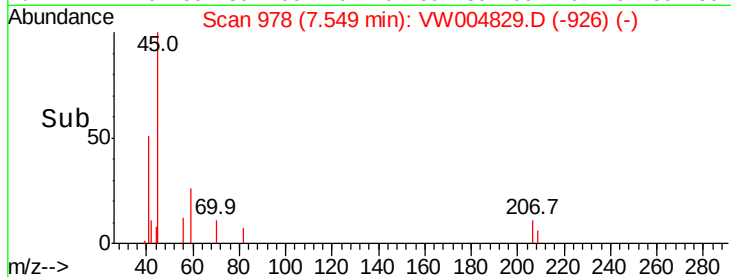
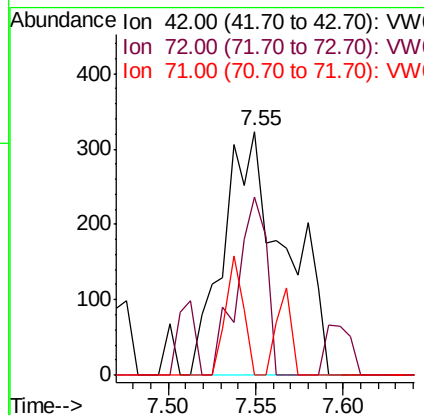
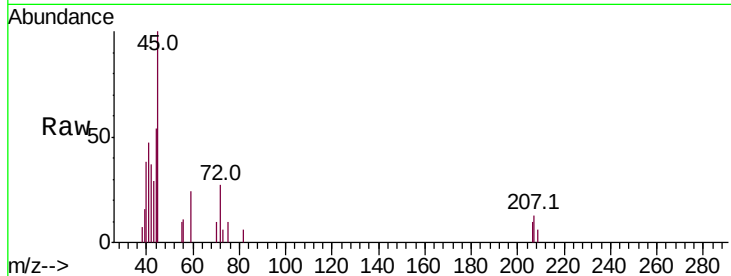




#29
Tetrahydrofuran
Concen: 1.596 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

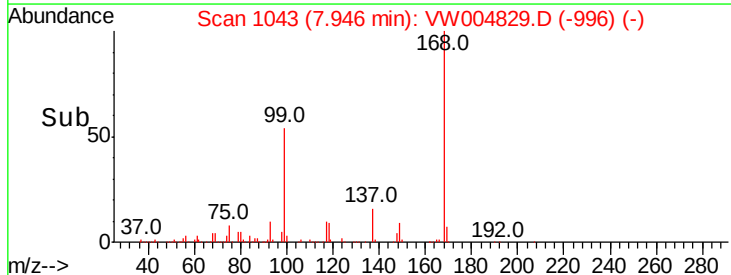
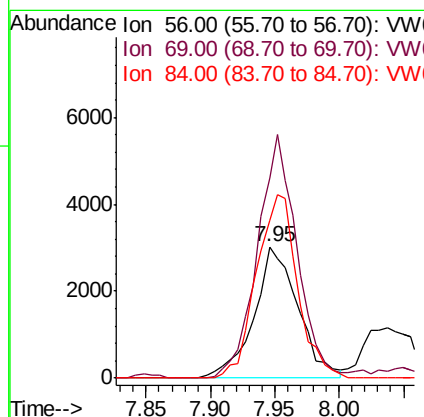
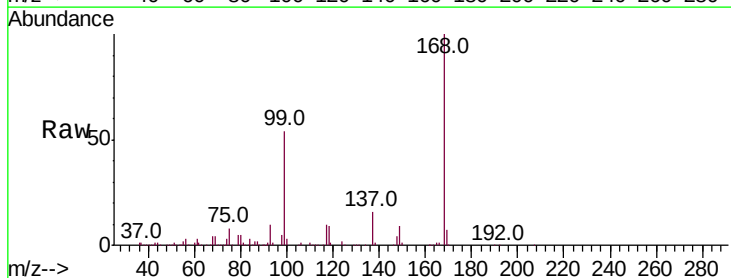
Instrument :
MSVOA_W
ClientSampleId :

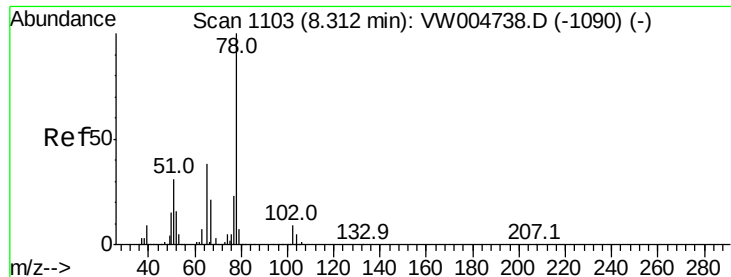
Tot Ion: 42 Resp: 799
Ion Ratio Lower Upper
42 100
72 34.9 34.9 52.3
71 14.1 33.8 50.6#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

Tgt Ion: 56 Resp: 7177
Ion Ratio Lower Upper
56 100
69 152.5 27.1 40.7#
84 119.8 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 60.250 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

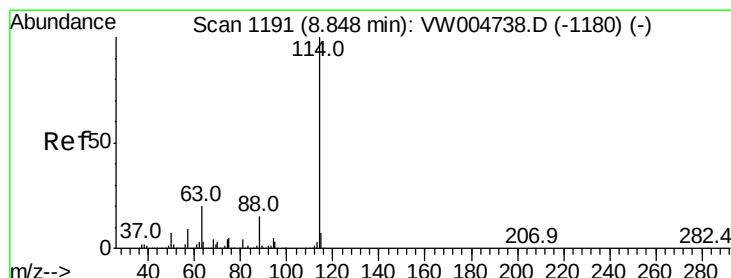
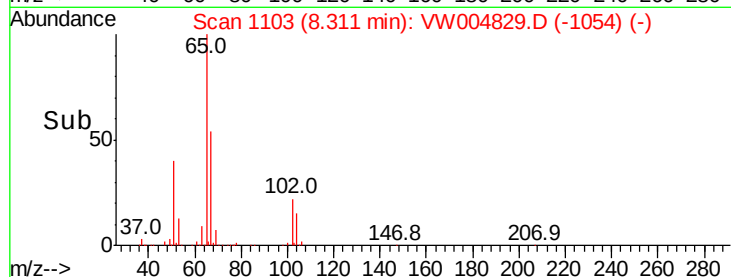
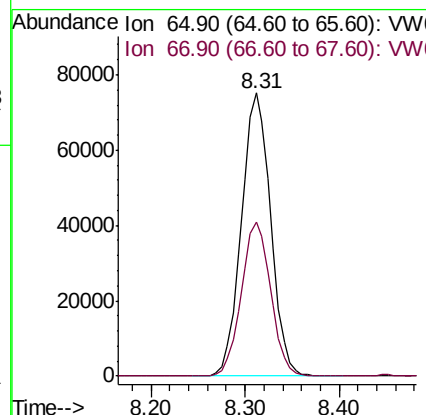
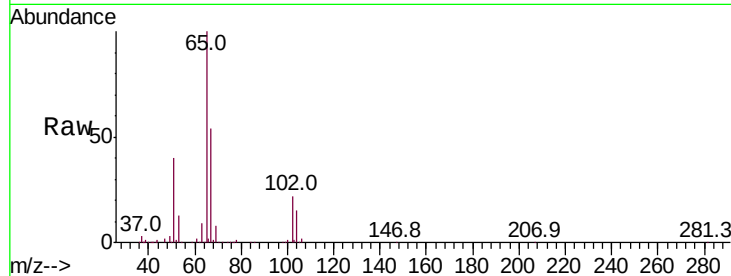
Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 162596

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

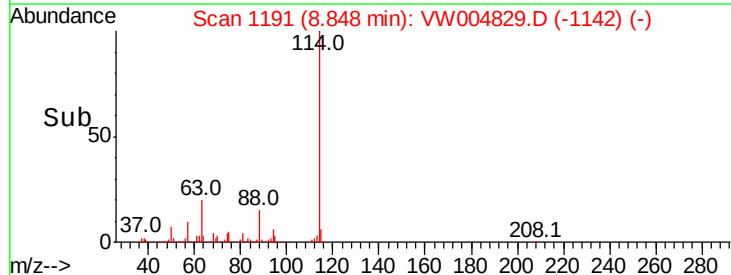
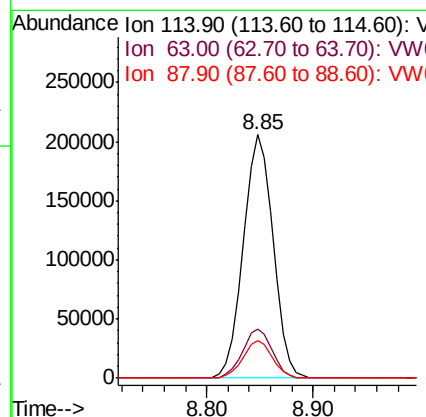
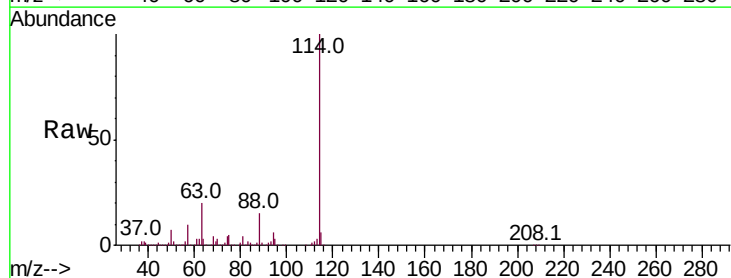
Delta R.T. -0.00 min

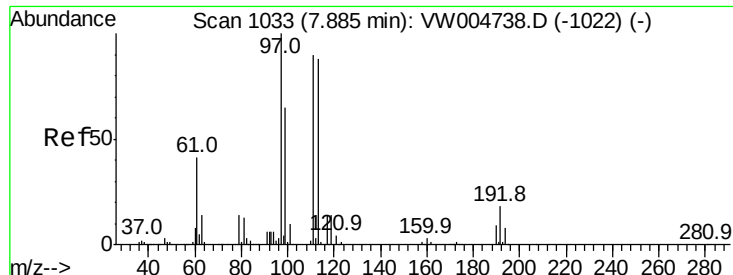
Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Tgt Ion: 114 Resp: 405150

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	15.3	0.0	30.0

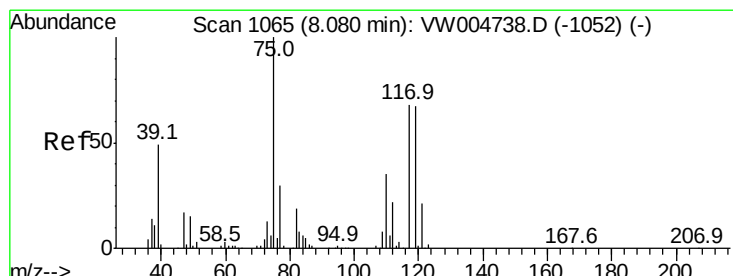
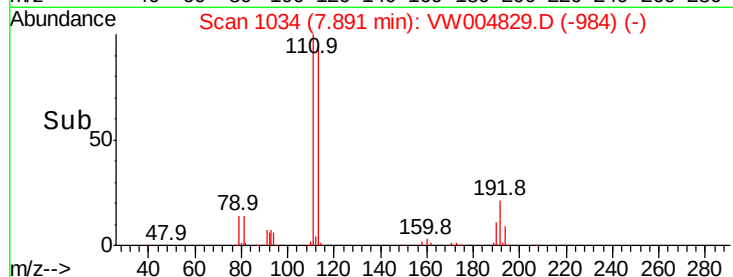
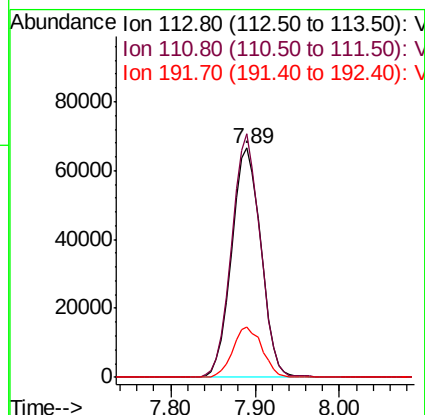
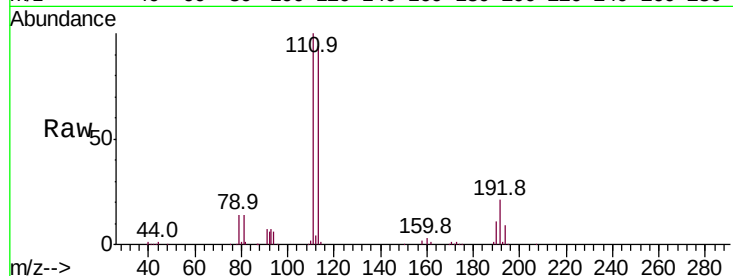




#35
 Dibromofluoromethane
 Concen: 60.778 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004829.D
 Acq: 21 Aug 2018 09:17

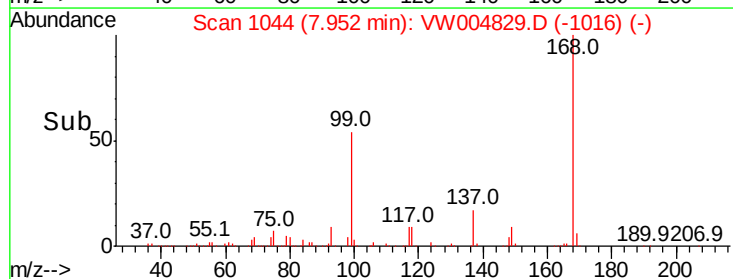
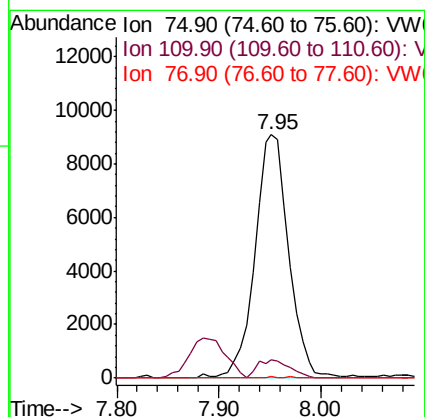
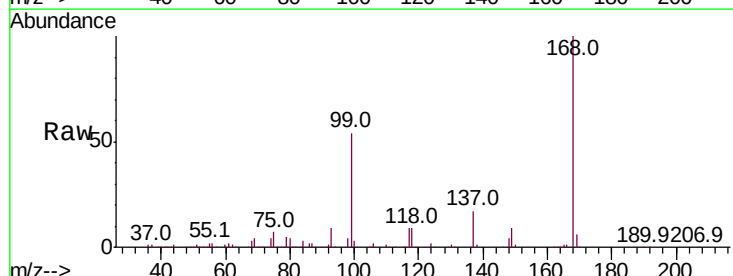
Instrument :
 MSVOA_W
 ClientSampleId :

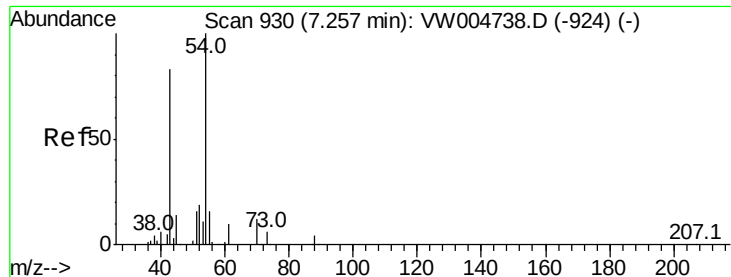
Tot Ion:113 Resp: 157382
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 21.8 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004829.D
 Acq: 21 Aug 2018 09:17

Tgt Ion: 75 Resp: 20931
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.8 53.5#
 77 0.1 24.9 37.3#





#37

Ethyl Acetate

Concen: 52.194 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Instrument :

MSVOA_W

ClientSampleId :

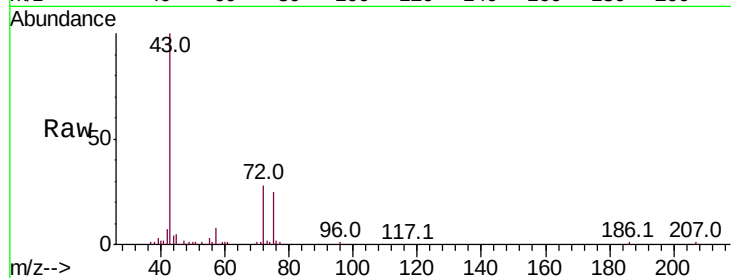
Tot Ion: 43 Resp: 86840

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

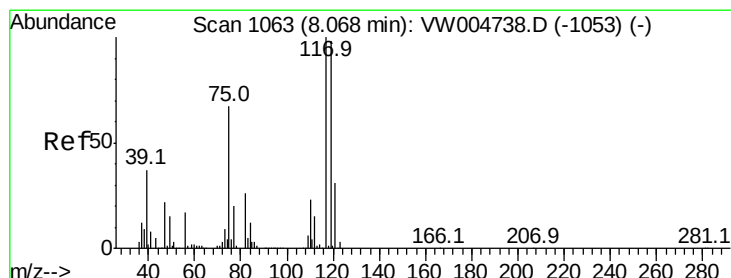
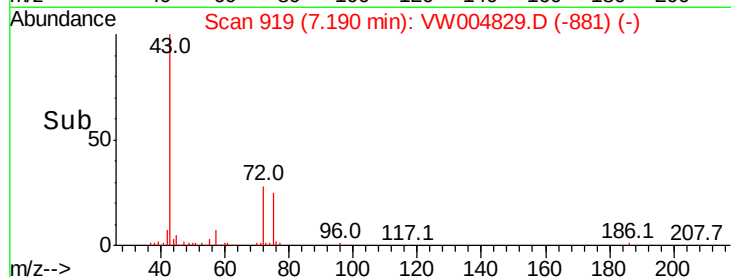
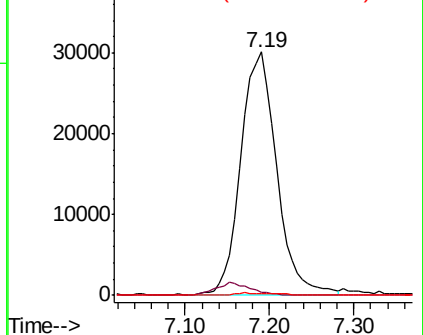
70 0.6 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.606 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

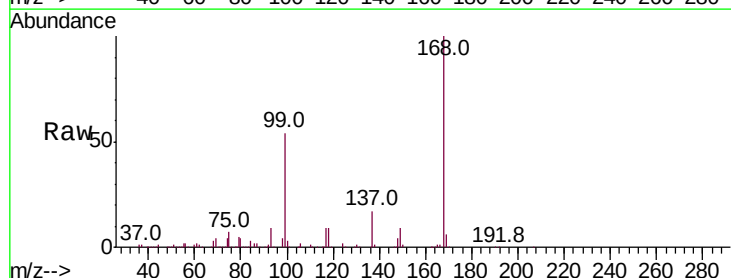
Tgt Ion: 117 Resp: 25380

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

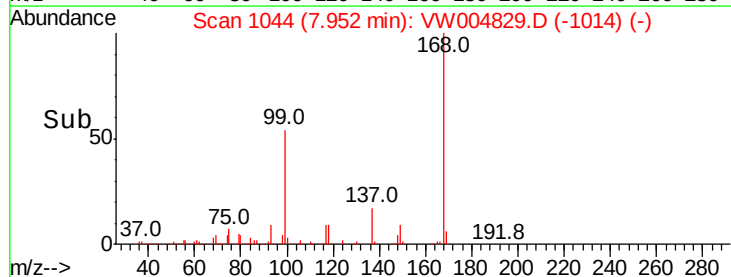
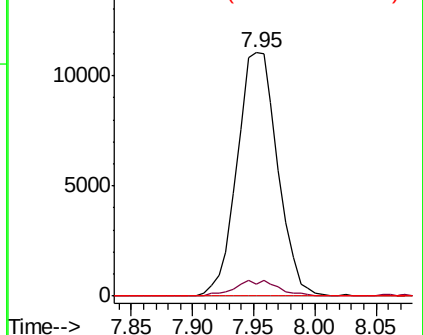
121 0.0 24.8 37.2#

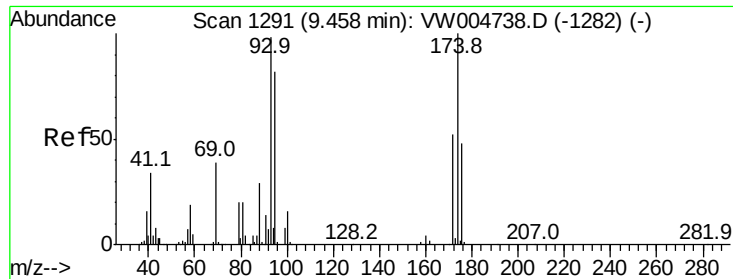


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 7.637 ug/l

RT: 9.49 min Scan# 1296

Delta R.T. 0.03 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Instrument :
MSVOA_W
ClientSampleId :

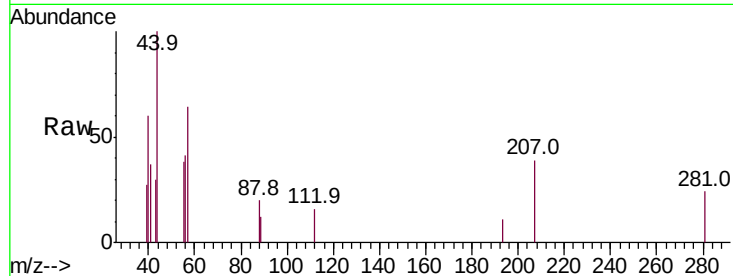
Tot Ion: 88 Resp: 164

Ion Ratio Lower Upper

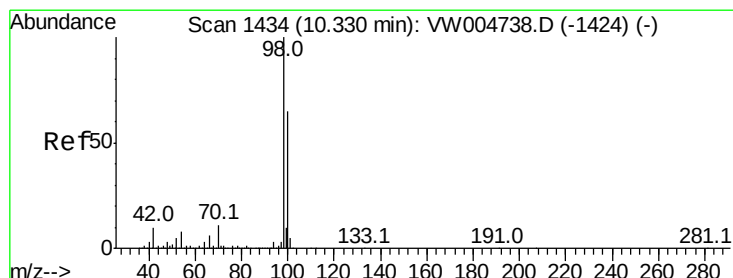
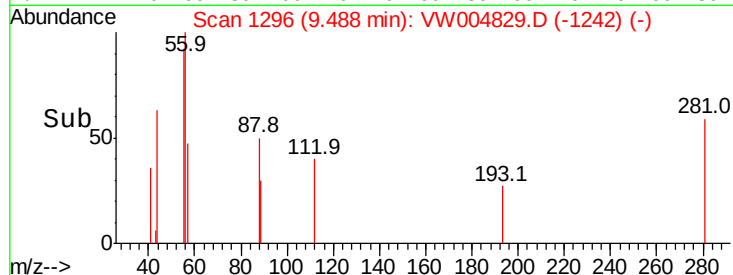
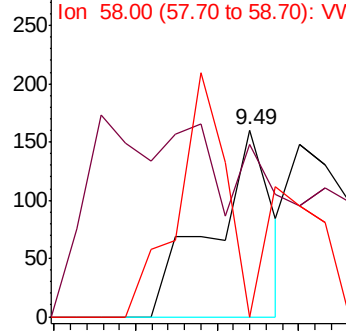
88 100

43 0.0 22.9 34.3#

58 64.0 60.0 90.0



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



#50

Toluene-d8

Concen: 31.916 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004829.D

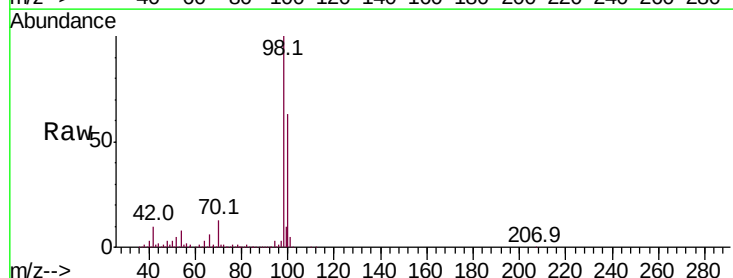
Acq: 21 Aug 2018 09:17

Tgt Ion: 98 Resp: 322614

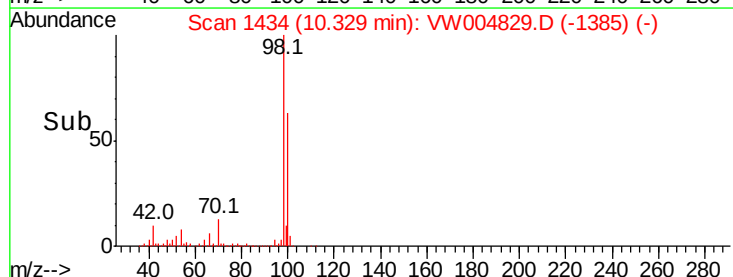
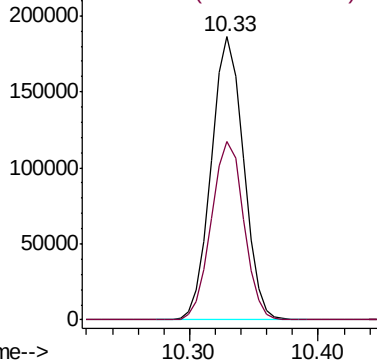
Ion Ratio Lower Upper

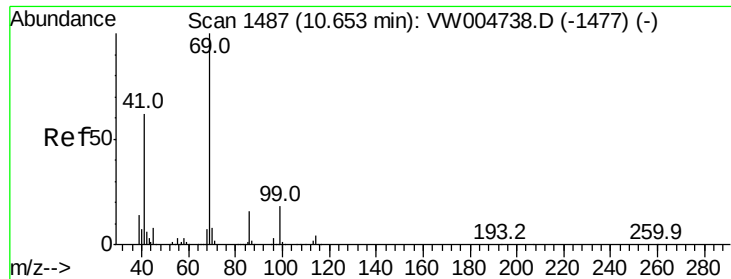
98 100

100 63.4 51.8 77.8



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





#56

Ethyl methacrylate

Concen: 3.116 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Instrument :

MSVOA_W

ClientSampleId :

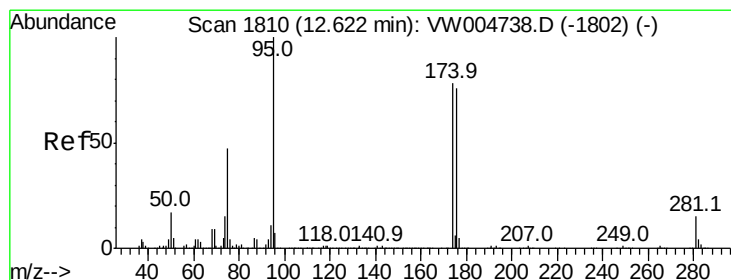
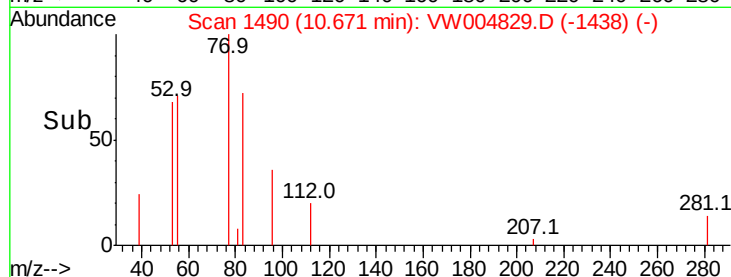
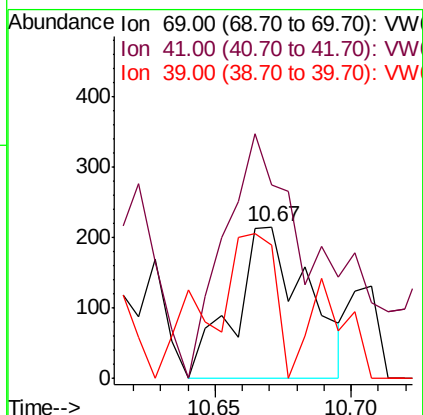
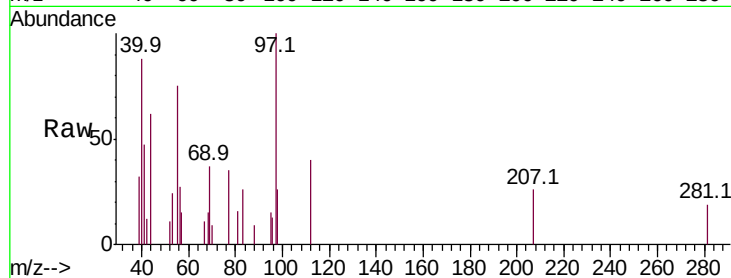
Tot Ion: 69 Resp: 394

Ion Ratio Lower Upper

69 100

41 212.9 50.7 76.1#

39 85.5 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 20.523 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

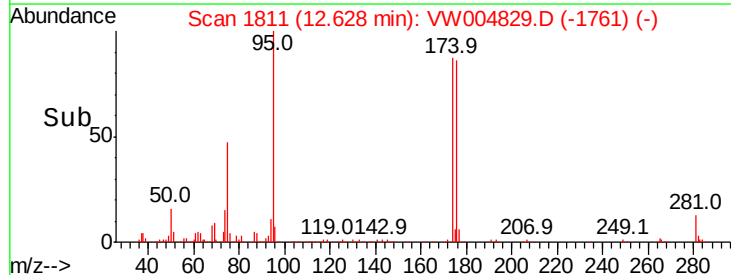
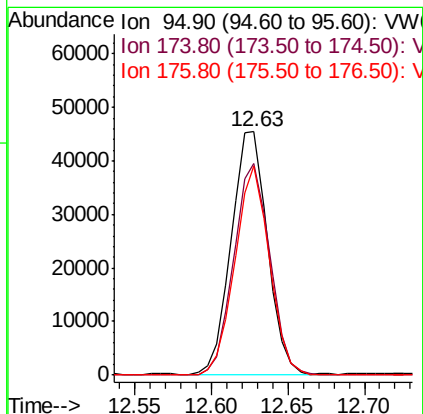
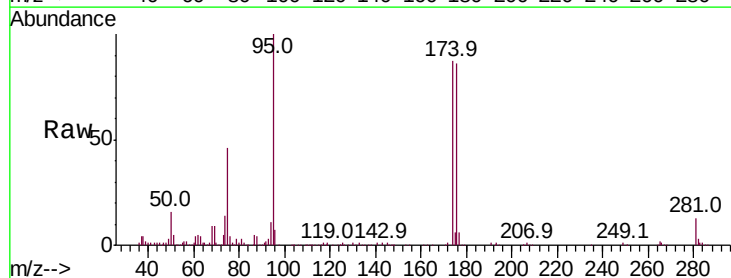
Tgt Ion: 95 Resp: 74633

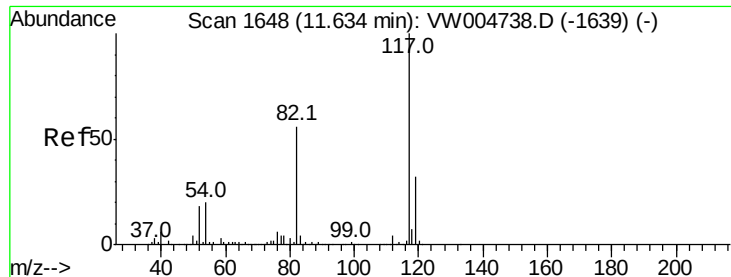
Ion Ratio Lower Upper

95 100

174 86.5 0.0 165.8

176 82.1 0.0 159.8

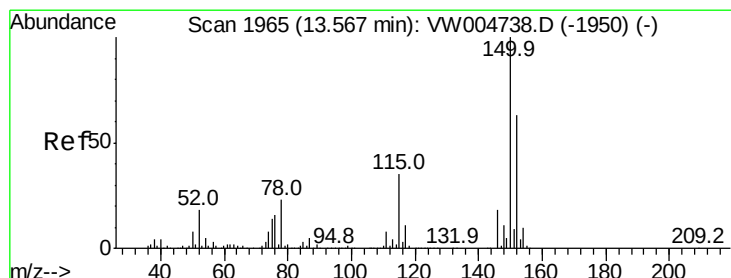
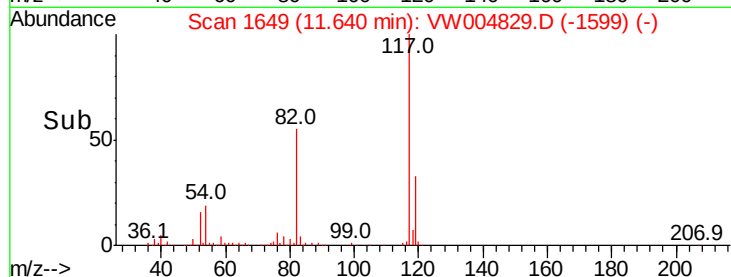
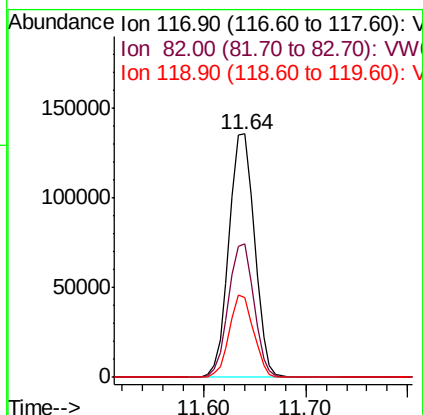
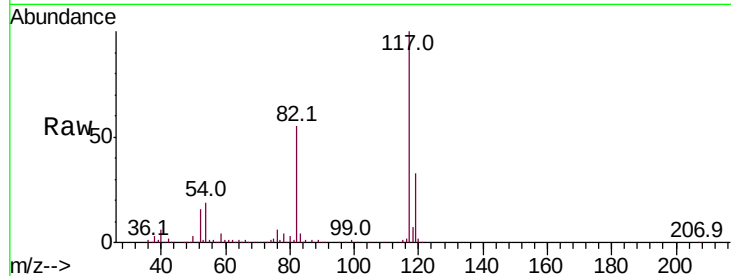




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

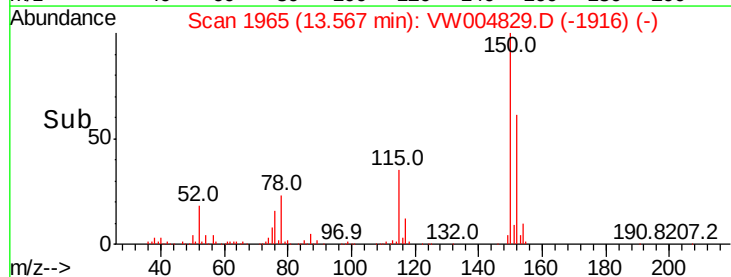
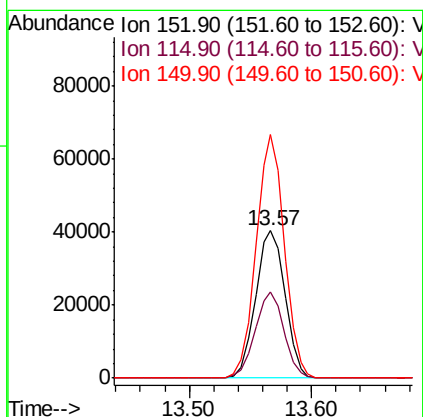
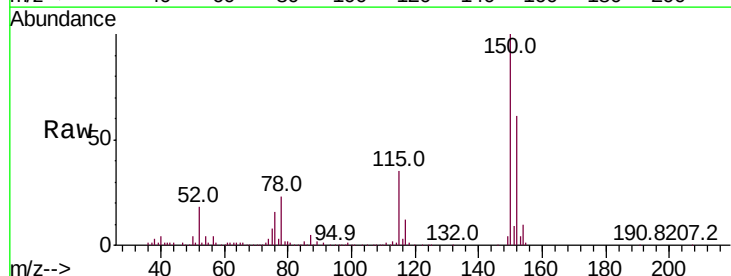
Instrument :
MSVOA_W
ClientSampleId :

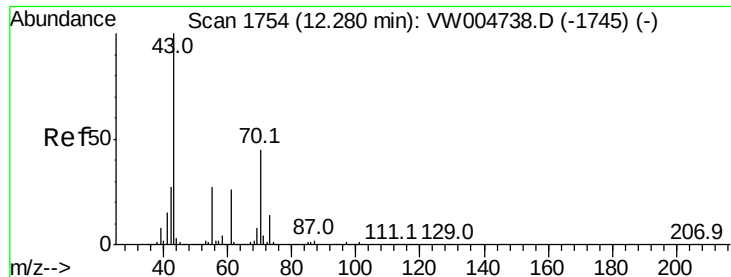
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.9	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.5
150	157.7	0.0	344.8





#74

N-amvl acetate

Concen: 4.211 ug/l

RT: 12.31 min Scan# 1759

Delta R.T. 0.03 min

Lab File: VW004829.D

Acq: 21 Aug 2018 09:17

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 226

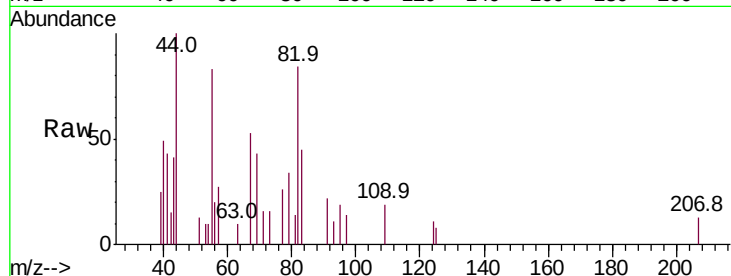
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 360.2 22.6 33.8#

61 0.0 20.2 30.4#

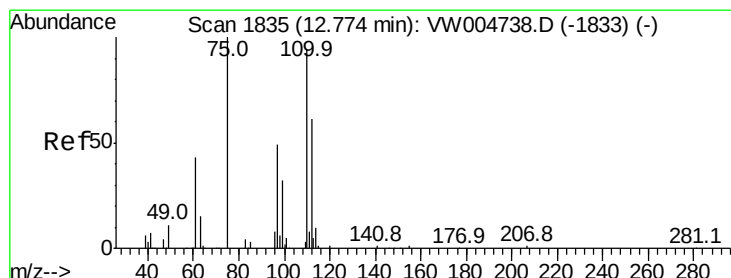
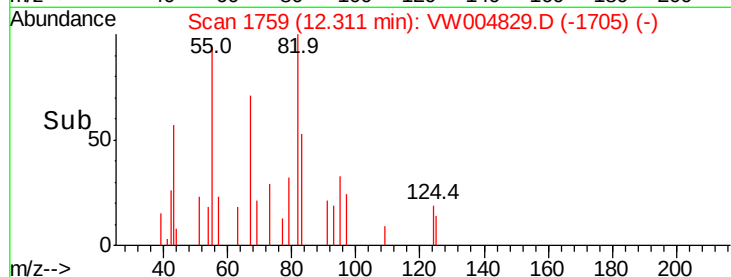
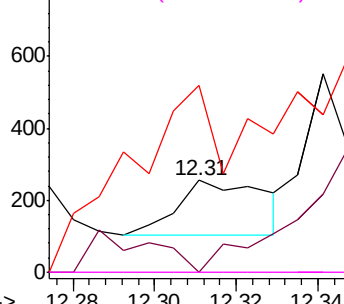


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 59.433 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004829.D

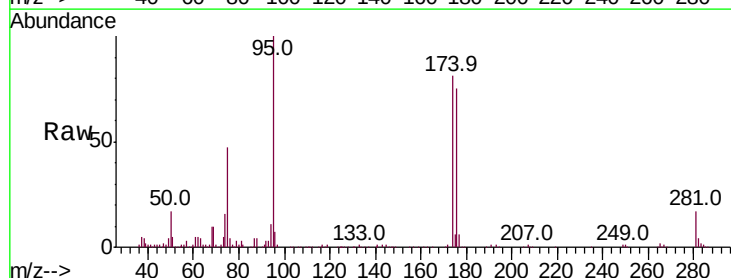
Acq: 21 Aug 2018 09:17

Tgt Ion: 75 Resp: 35549

Ion Ratio Lower Upper

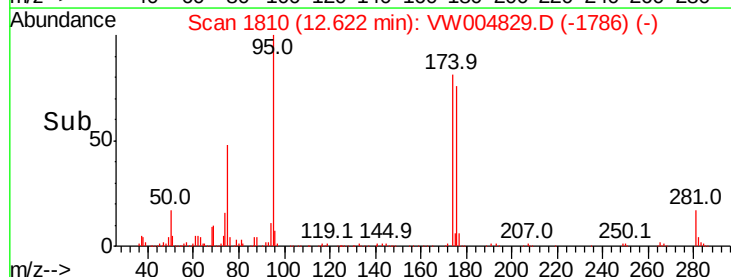
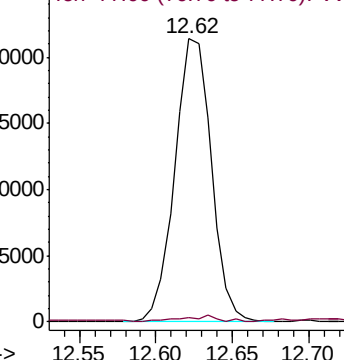
75 100

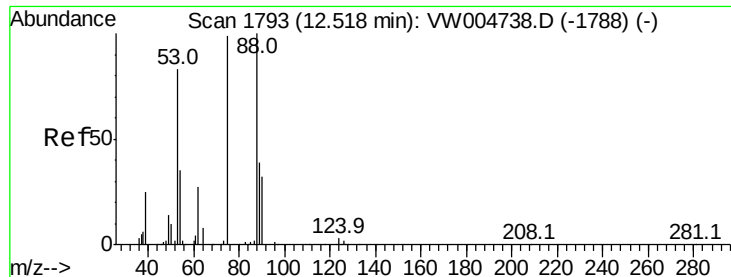
77 2.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

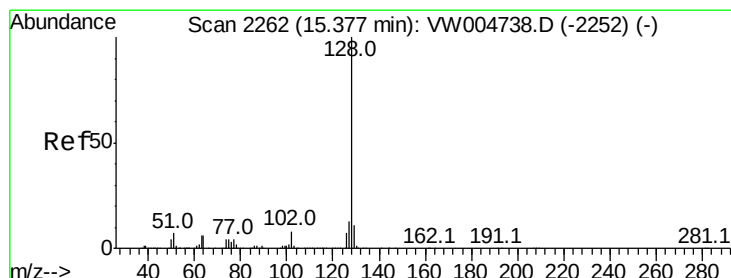
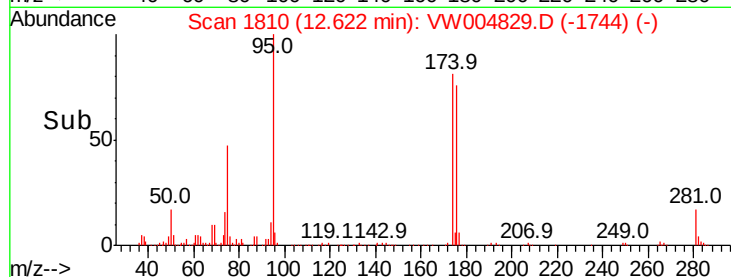
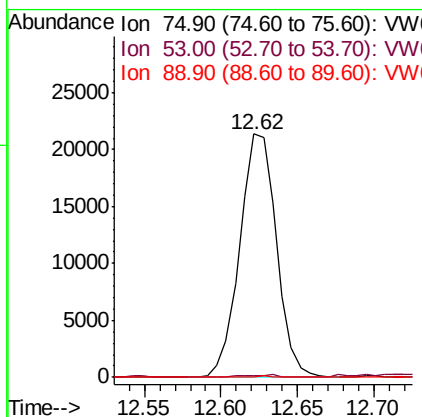
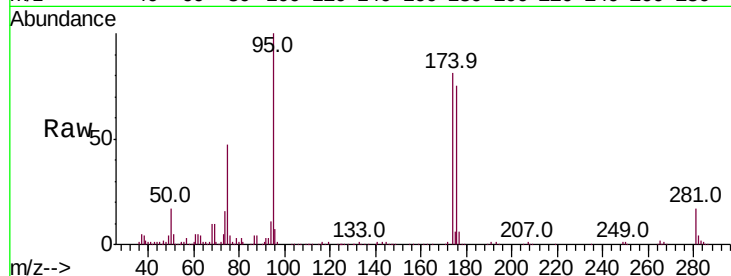




#81
trans-1,4-Dichloro-2-butene
Concen: 138.138 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 35549
Ion Ratio Lower Upper
75 100
53 1.0 72.2 108.4#
89 0.2 35.2 52.8#



#95
Naphthalene
Concen: 3.741 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004829.D
Acq: 21 Aug 2018 09:17

Tgt Ion: 128 Resp: 702
Ion Ratio Lower Upper
128 100
127 52.0 10.4 15.6#
129 25.8 8.6 13.0#

