

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003694.D
 Acq On : 03 Jul 2018 13:14
 Operator : SY/AP
 Sample : J3826-01
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-070218

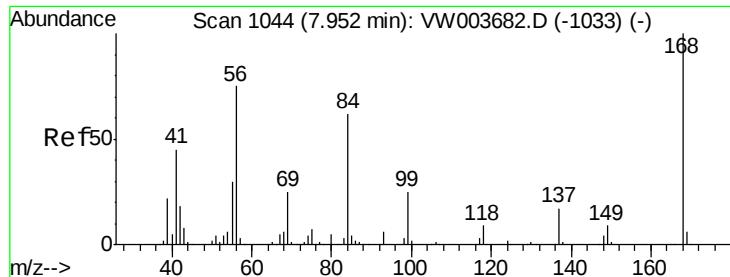
Quant Time: Jul 03 23:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	330116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	157510	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	104991	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
35) Dibromofluoromethane	7.88	113	86377	40.12	ug/l	0.00
Spiked Amount			Recovery	=	80.24%	
50) Toluene-d8	10.33	98	306011	36.21	ug/l	0.00
Spiked Amount			Recovery	=	72.42%	
62) 4-Bromofluorobenzene	12.62	95	118077	38.89	ug/l	0.00
Spiked Amount			Recovery	=	77.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	33	4.897	ug/l #	43
11) Tert butyl alcohol	5.21	59	801	5.404	ug/l #	71
13) Acrolein	3.89	56	585	8.134	ug/l #	77
16) Acetone	4.13	43	42396	74.983	ug/l	98
18) Methyl Acetate	4.68	43	608	1.215	ug/l #	53
20) Methylene Chloride	4.91	84	7221	Below Cal		93
23) Vinyl Acetate	6.25	43	79	13.880	ug/l #	74
25) 2-Butanone	7.18	43	2772	3.829	ug/l #	77
29) Tetrahydrofuran	7.56	42	1027	2.366	ug/l #	87
31) Cyclohexane	7.95	56	5147	1.421	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	17244	5.204	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20395	6.470	ug/l #	18
48) Methyl methacrylate	9.43	41	266	3.519	ug/l #	35
51) 4-Methyl-2-Pentanone	10.21	43	2129	1.330	ug/l	95
56) Ethyl methacrylate	10.65	69	83	3.615	ug/l #	51
76) 1,2,3-Trichloropropane	12.63	75	63882	45.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	63882	95.578	ug/l #	9
95) Naphthalene	15.38	128	16563	2.776	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003694.D

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MSVOA_W

ClientSampleId :

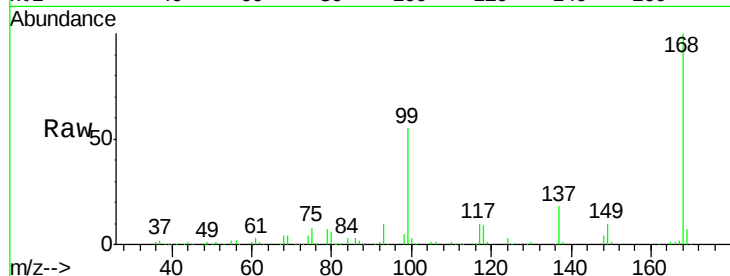
OK-03-070218

Tgt Ion:168 Resp: 198677

Ion Ratio Lower Upper

168 100

99 54.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

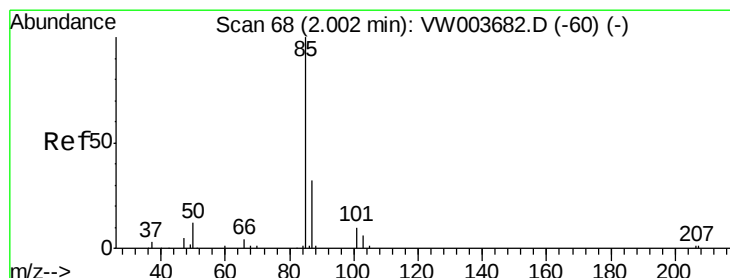
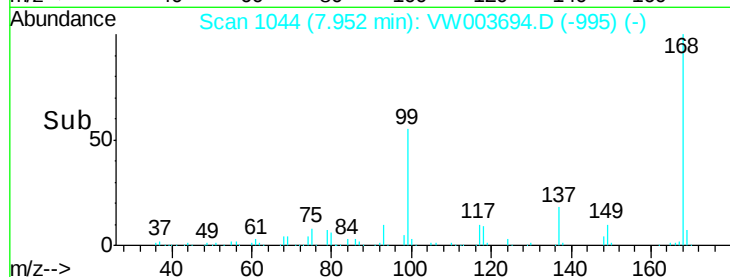
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.897 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003694.D

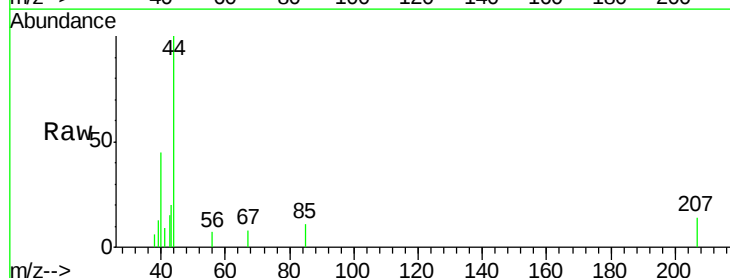
Acq: 03 Jul 2018 13:14

Tgt Ion: 85 Resp: 33

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100

80

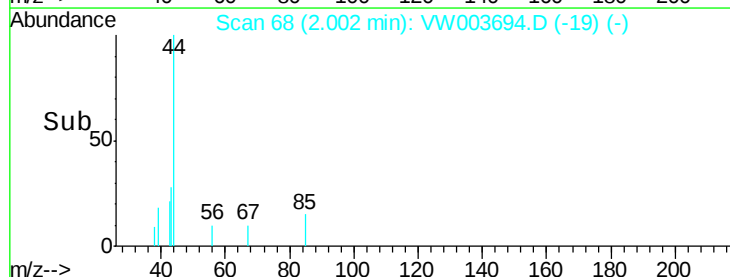
60

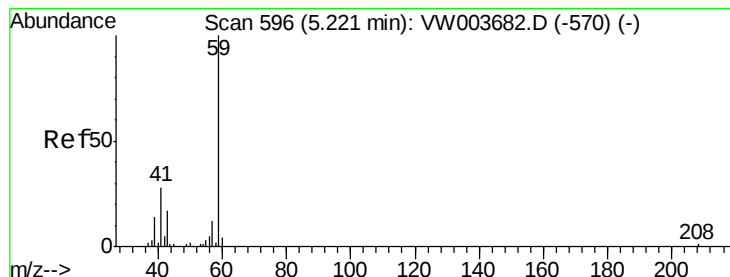
40

20

0

Time-->



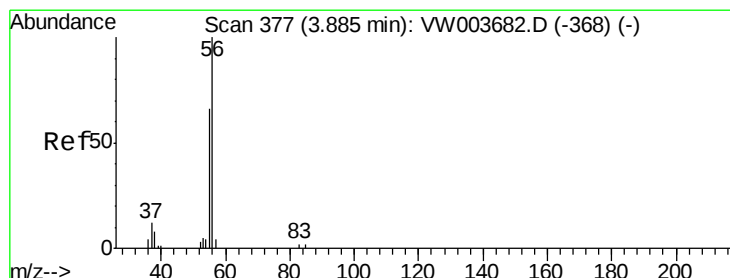
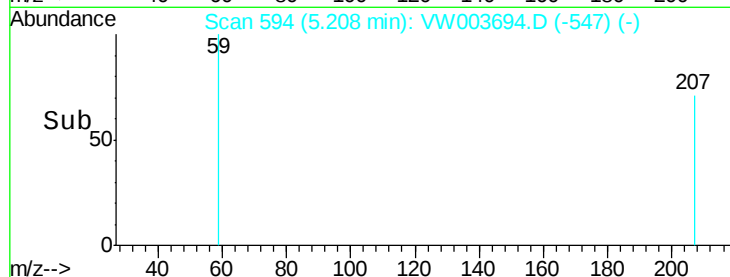
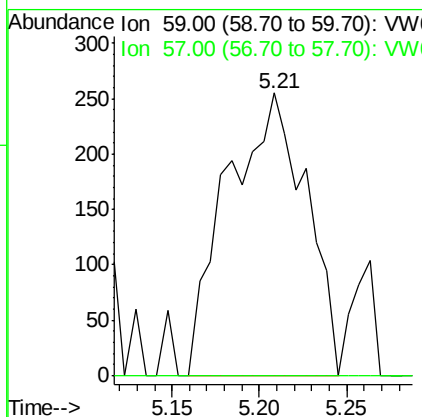
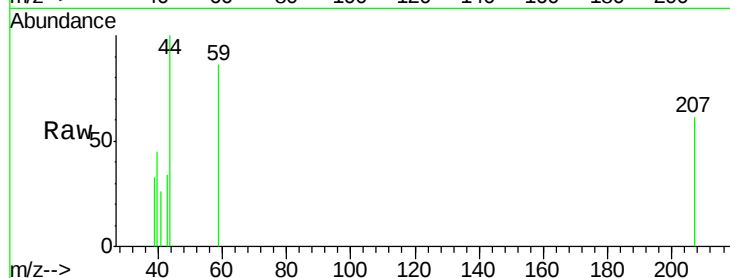


#11

Tert butyl alcohol
 Concen: 5.404 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

Instrument :
 MSVOA_W
 ClientSampled :
 OK-03-070218

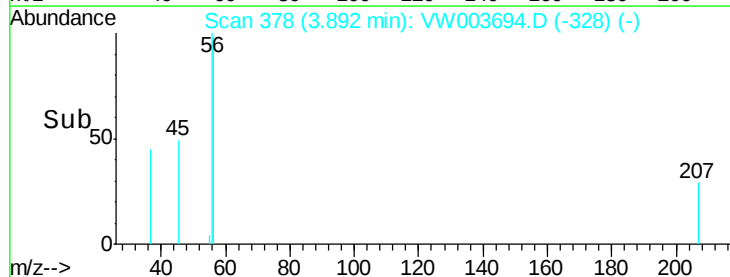
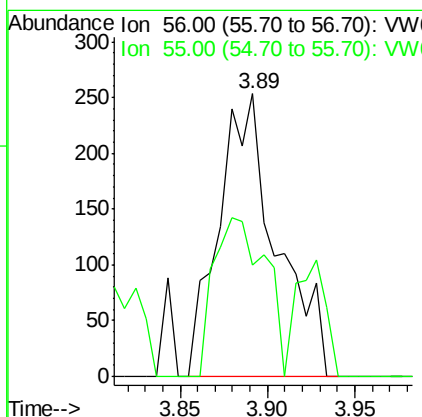
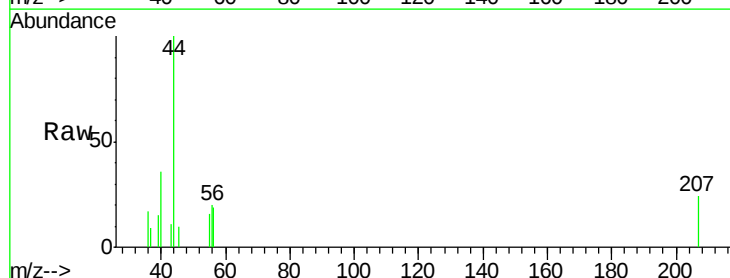
Tgt Ion: 59 Resp: 801
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

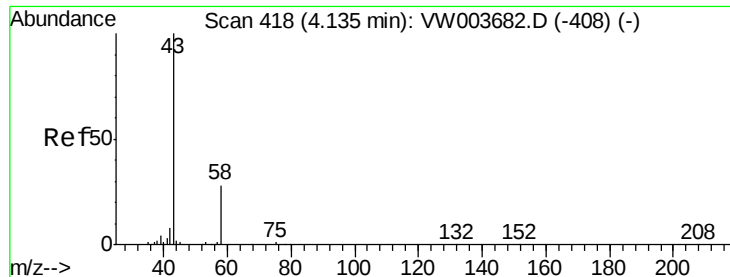


#13

Acrolein
 Concen: 8.134 ug/l
 RT: 3.89 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

Tgt Ion: 56 Resp: 585
 Ion Ratio Lower Upper
 56 100
 55 49.9 54.7 82.1#





#16

Acetone

Concen: 74.983 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

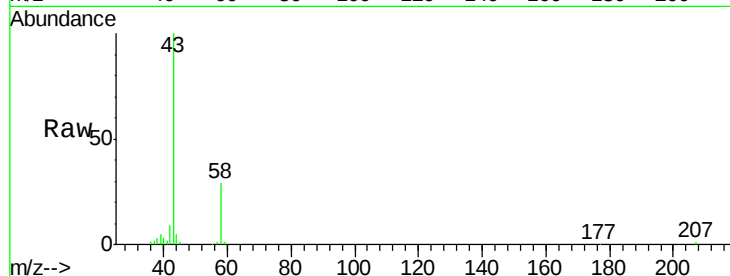
OK-03-070218

Tgt Ion: 43 Resp: 42396

Ion Ratio Lower Upper

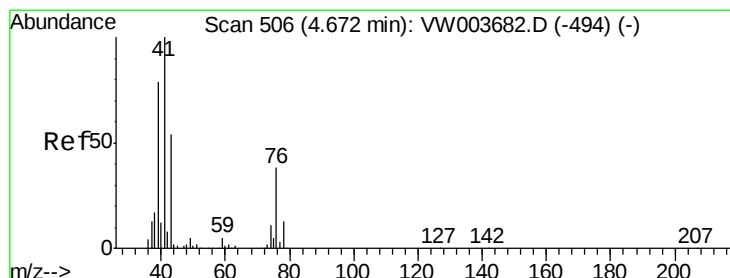
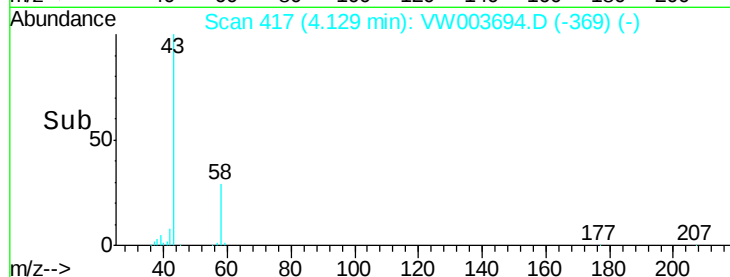
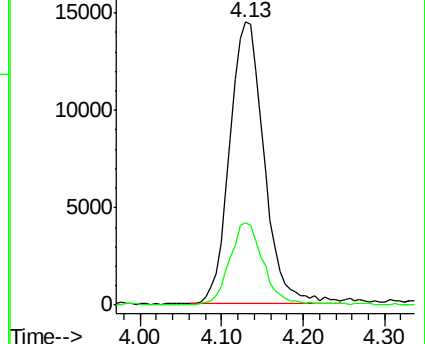
43 100

58 29.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.215 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003694.D

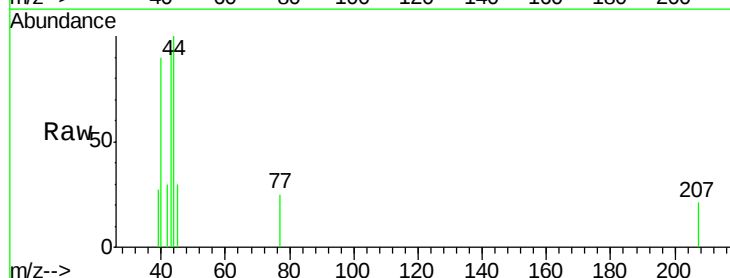
Acq: 03 Jul 2018 13:14

Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

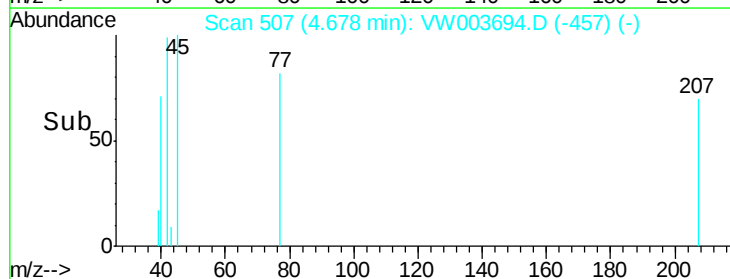
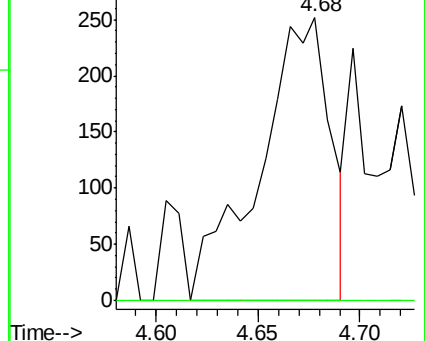
43 100

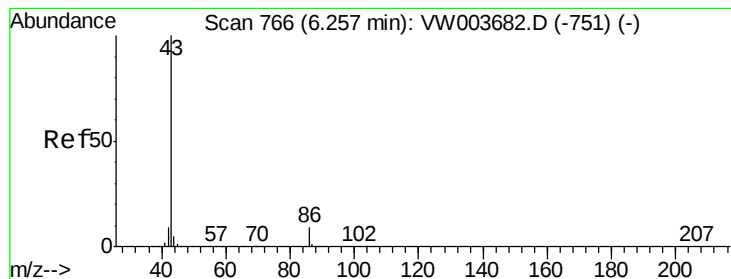
74 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#23

Vinyl Acetate

Concen: 13.880 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

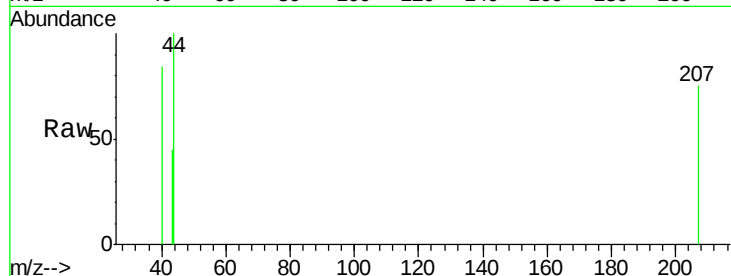
OK-03-070218

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

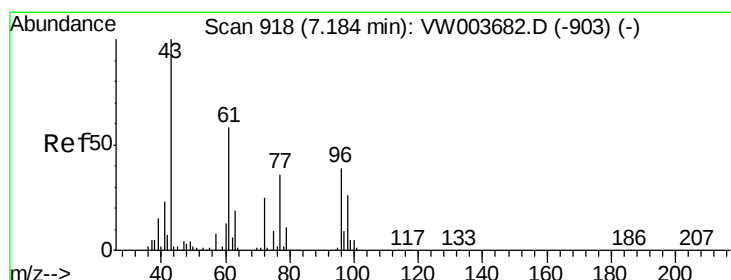
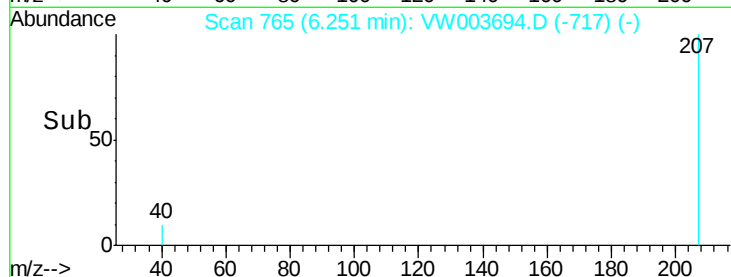
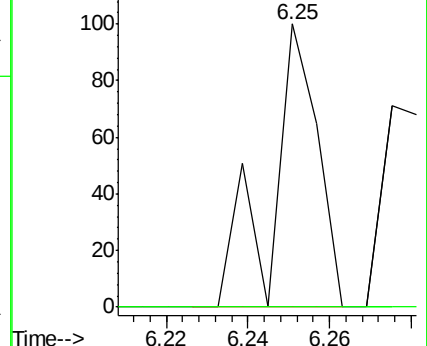
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#25

2-Butanone

Concen: 3.829 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003694.D

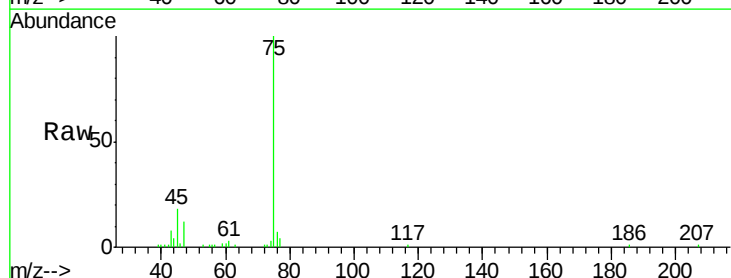
Acq: 03 Jul 2018 13:14

Tgt Ion: 43 Resp: 2772

Ion Ratio Lower Upper

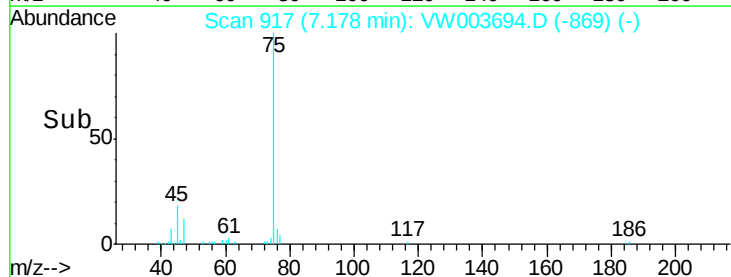
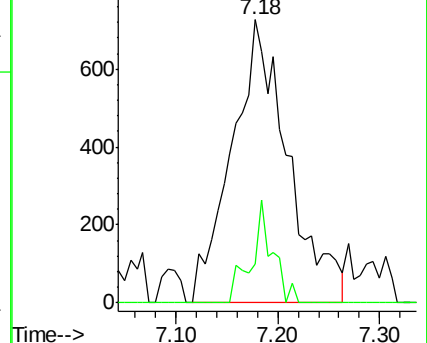
43 100

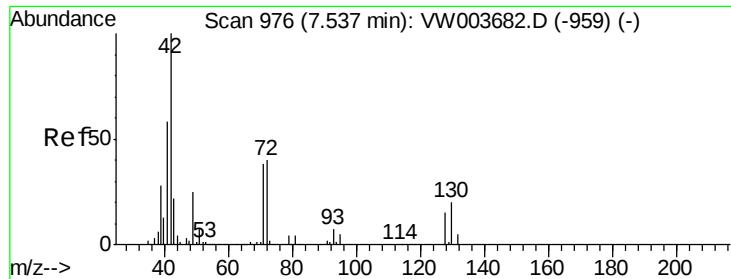
72 13.8 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

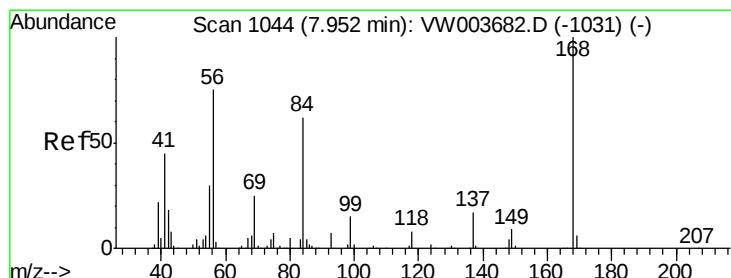
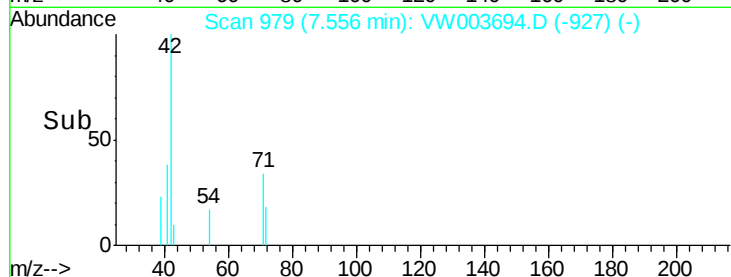
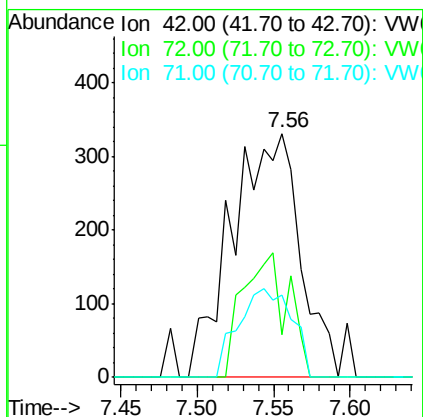
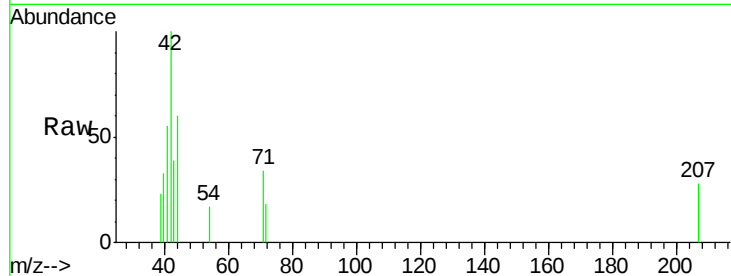




#29
Tetrahydrofuran
Concen: 2.366 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003694.D
Acq: 03 Jul 2018 13:14

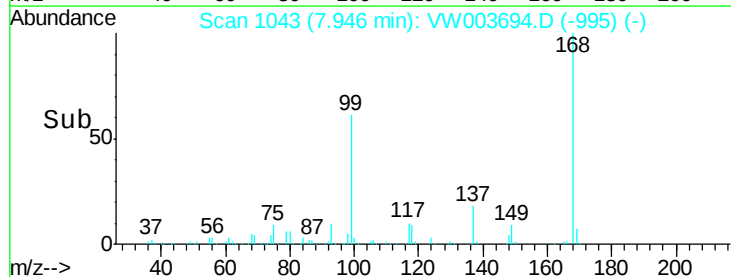
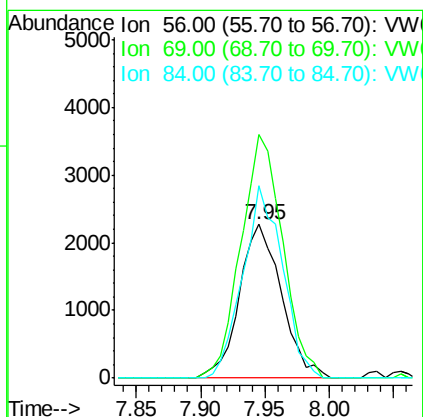
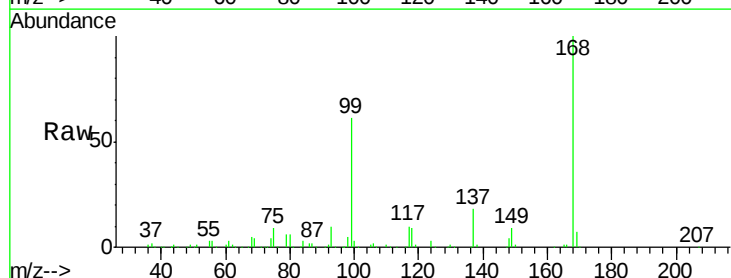
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MSVOA_W
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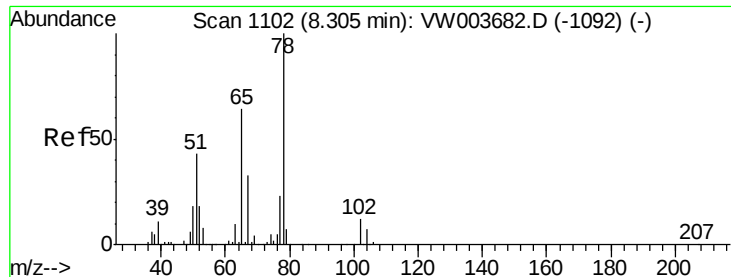
Tgt Ion: 42 Resp: 1027
Ion Ratio Lower Upper
42 100
72 33.6 32.0 48.0
71 28.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.421 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003694.D
Acq: 03 Jul 2018 13:14

Tgt Ion: 56 Resp: 5147
Ion Ratio Lower Upper
56 100
69 158.2 27.0 40.4#
84 125.4 65.4 98.0#





#33

1,2-Dichloroethane-d4

Concen: 44.325 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

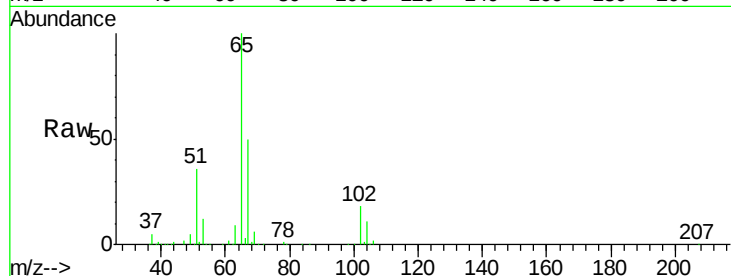
OK-03-070218

Tgt Ion: 65 Resp: 104991

Ion Ratio Lower Upper

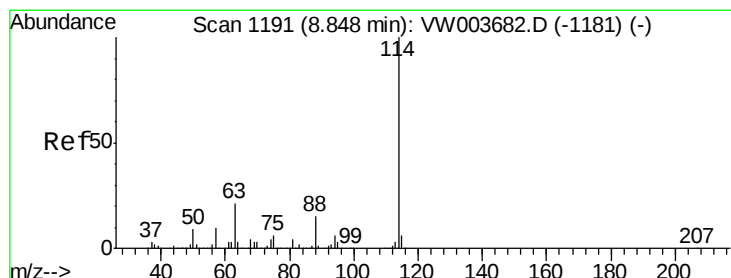
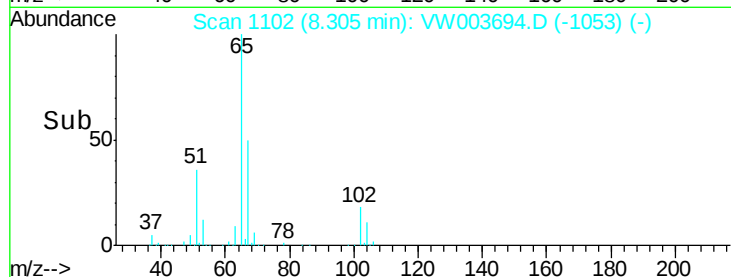
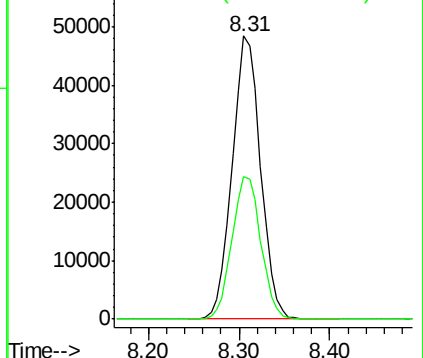
65 100

67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

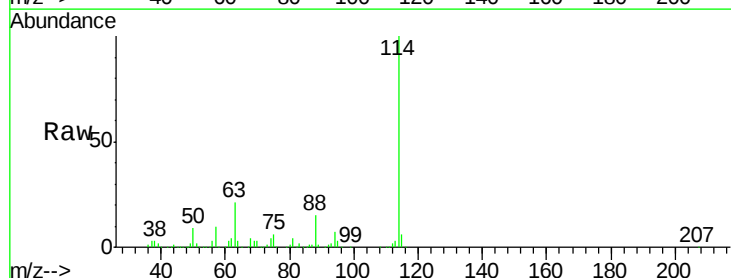
Tgt Ion: 114 Resp: 330116

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

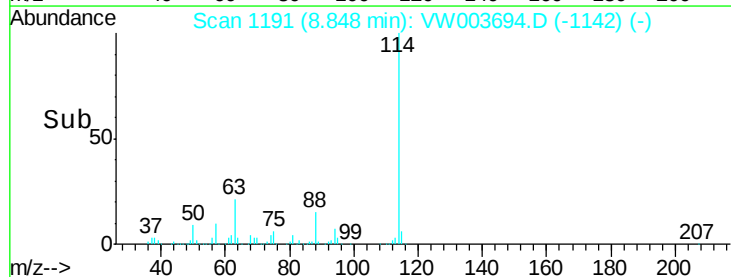
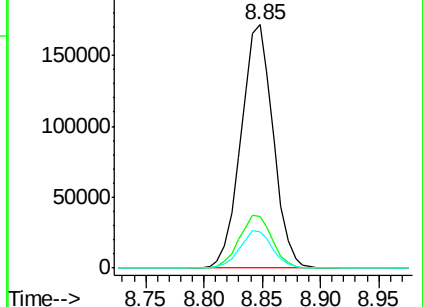
88 15.0 0.0 29.8

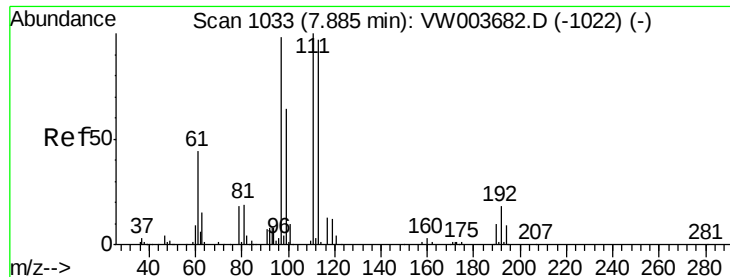


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

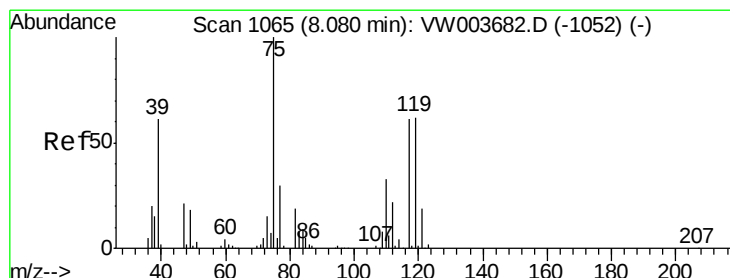
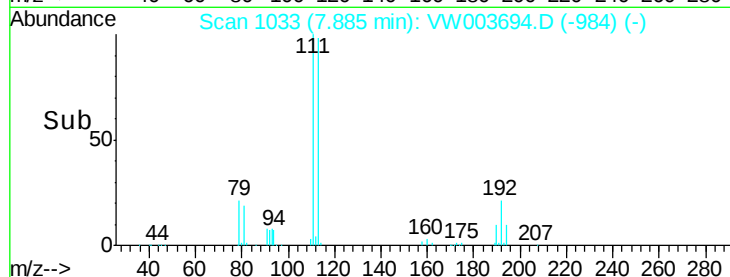
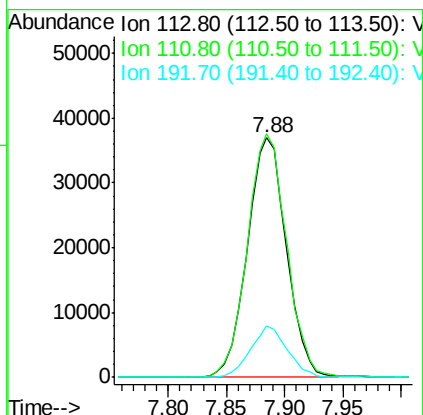
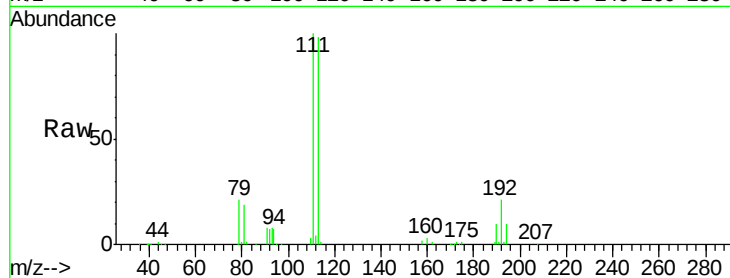




#35
 Dibromofluoromethane
 Concen: 40.119 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

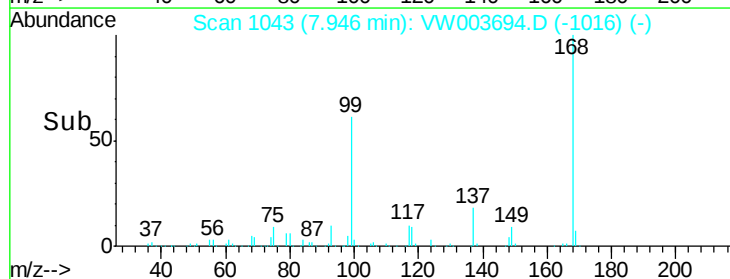
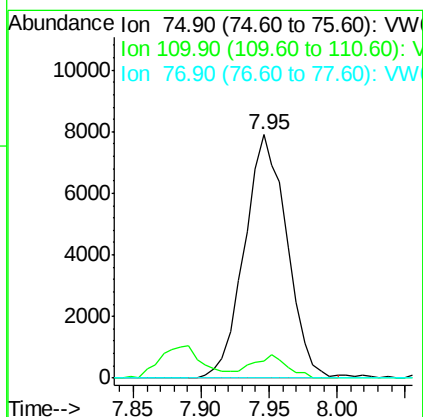
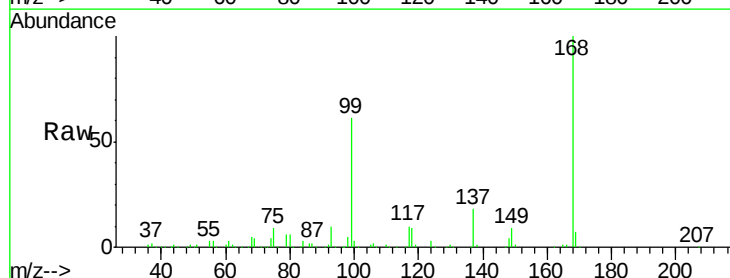
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-070218

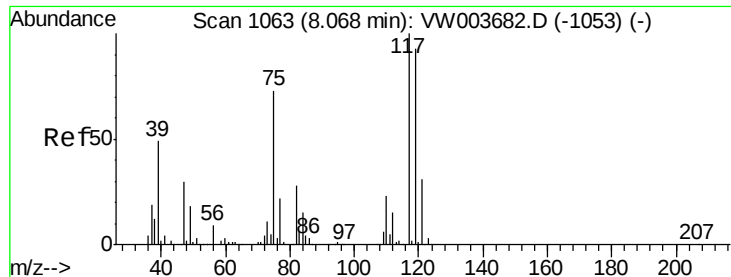
Tgt Ion:113 Resp: 86377
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 20.2 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

Tgt Ion: 75 Resp: 17244
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.470 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

OK-03-070218

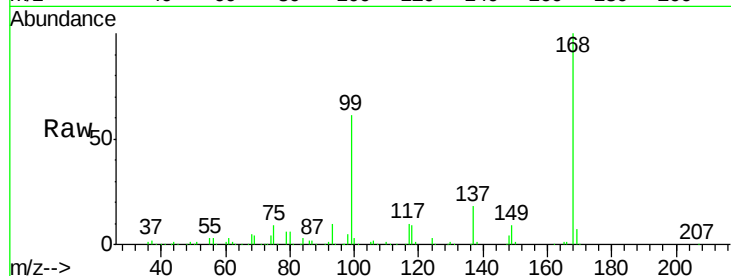
Tgt Ion:117 Resp: 20395

Ion Ratio Lower Upper

117 100

119 5.4 74.1 111.1#

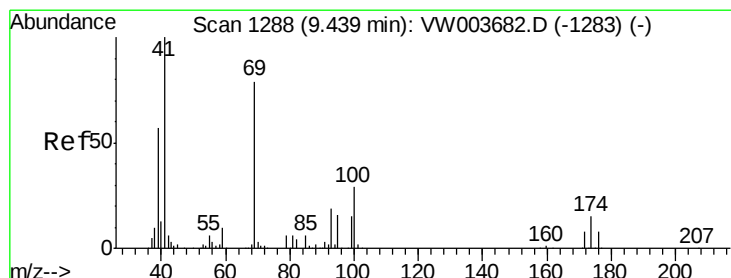
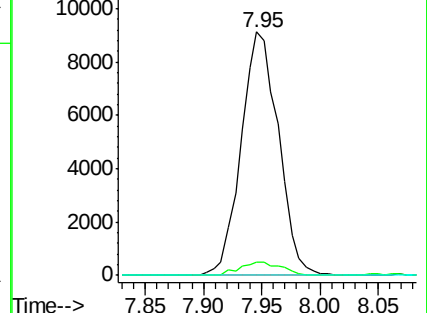
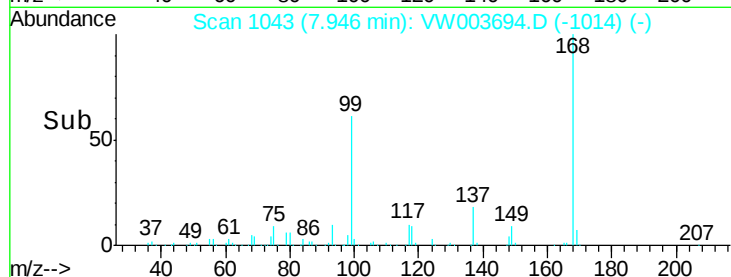
121 0.0 25.0 37.4#



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



#48

Methyl methacrylate

Concen: 3.519 ug/l

RT: 9.43 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

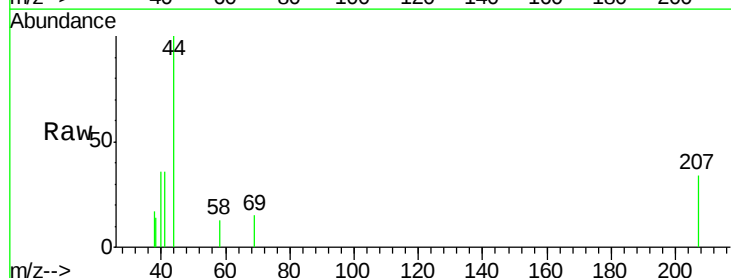
Tgt Ion: 41 Resp: 266

Ion Ratio Lower Upper

41 100

69 34.6 65.4 98.2#

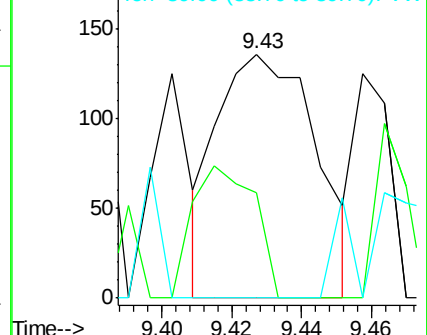
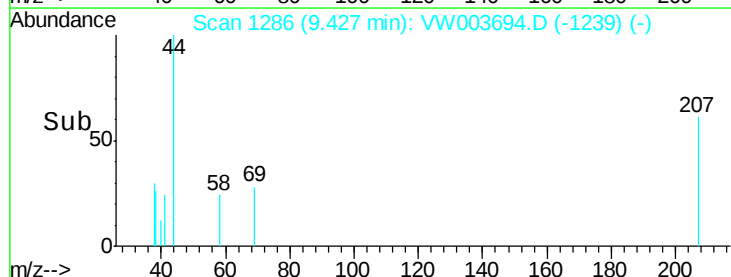
39 0.0 50.0 75.0#

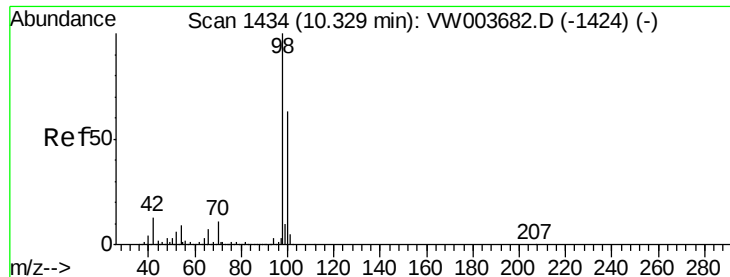


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 36.205 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

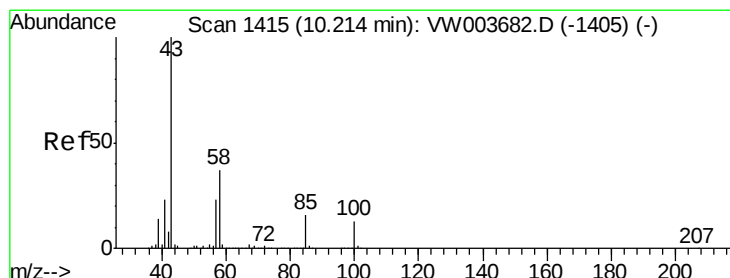
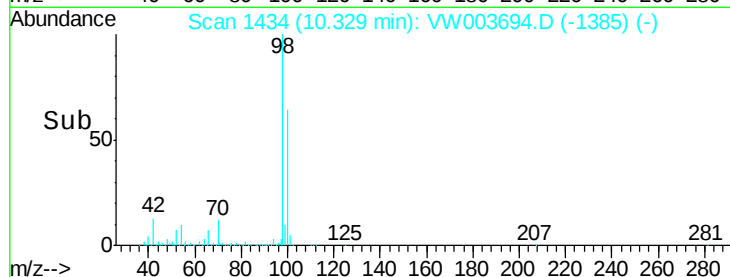
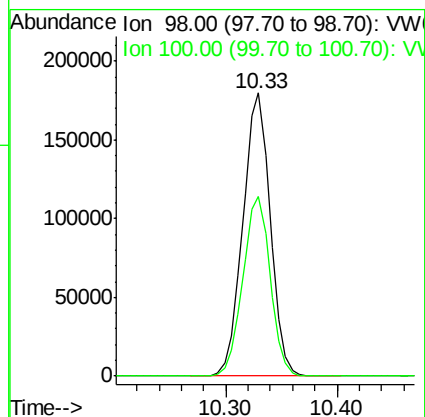
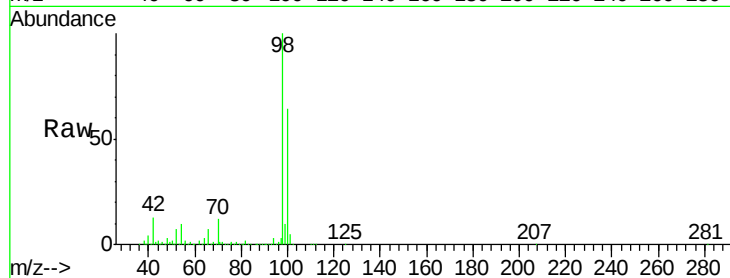
OK-03-070218

Tgt Ion: 98 Resp: 306011

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 1.330 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003694.D

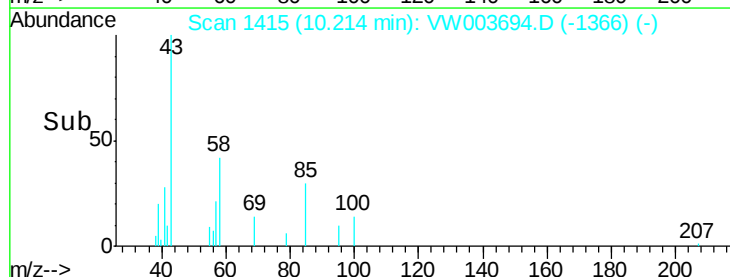
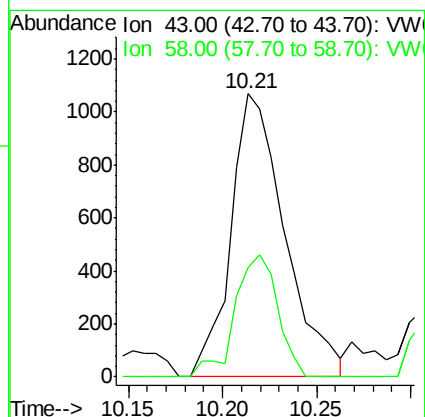
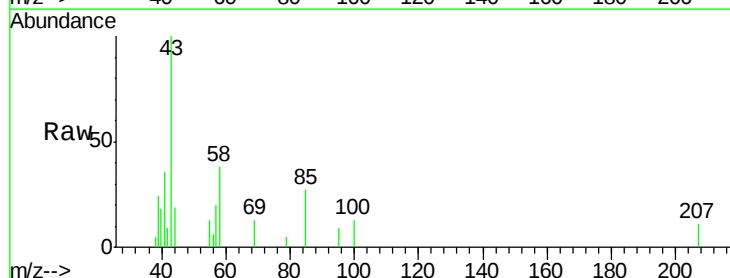
Acq: 03 Jul 2018 13:14

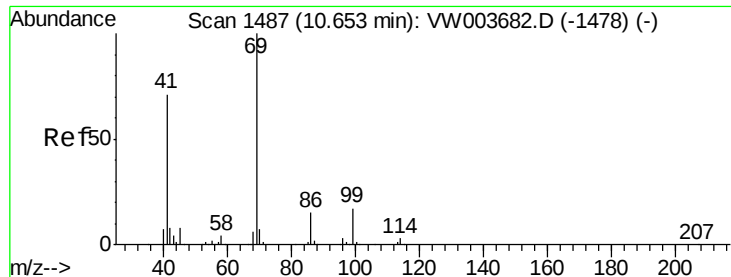
Tgt Ion: 43 Resp: 2129

Ion Ratio Lower Upper

43 100

58 34.1 29.6 44.4





#56

Ethyl methacrylate

Concen: 3.615 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

OK-03-070218

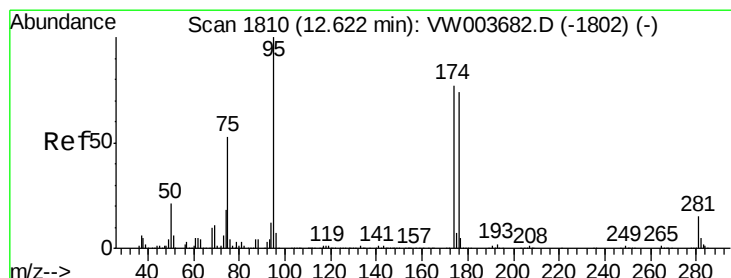
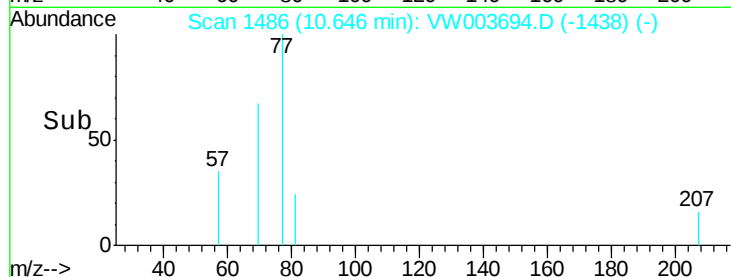
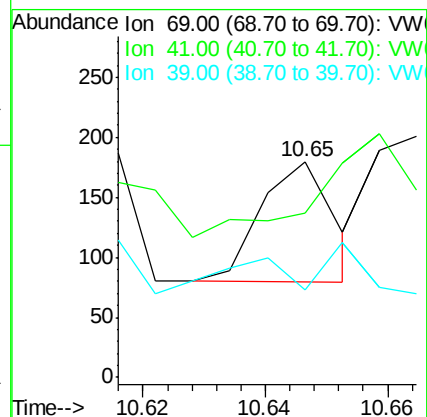
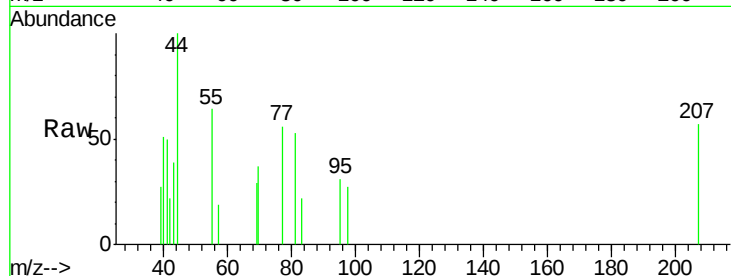
Tgt Ion: 69 Resp: 83

Ion Ratio Lower Upper

69 100

41 107.2 57.5 86.3#

39 0.0 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 38.886 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

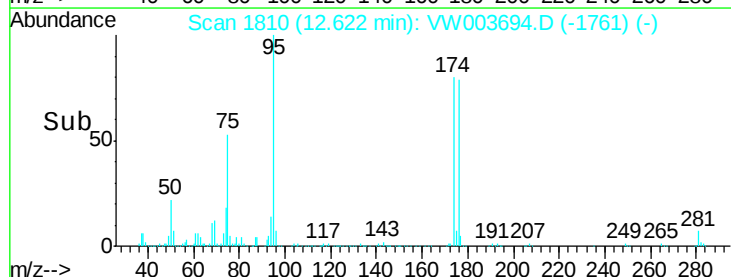
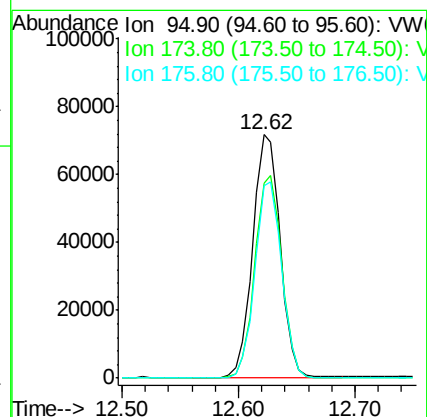
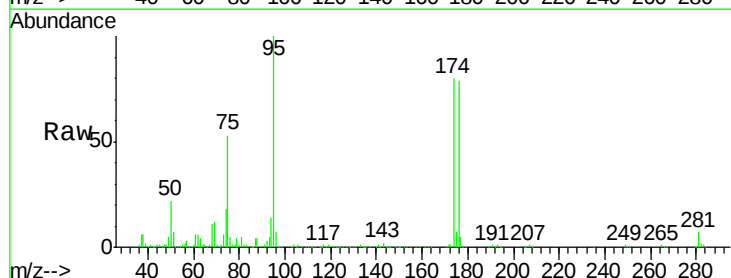
Tgt Ion: 95 Resp: 118077

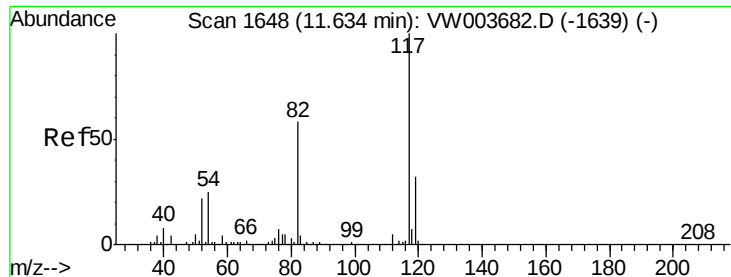
Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.2

176 78.9 0.0 155.0

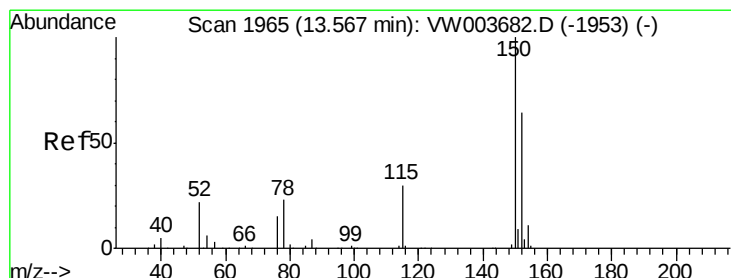
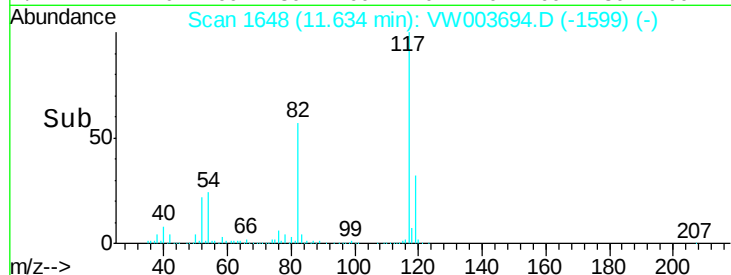
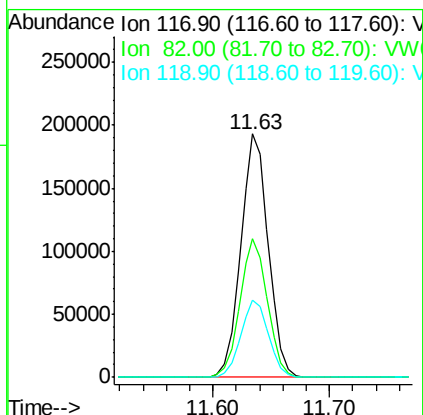
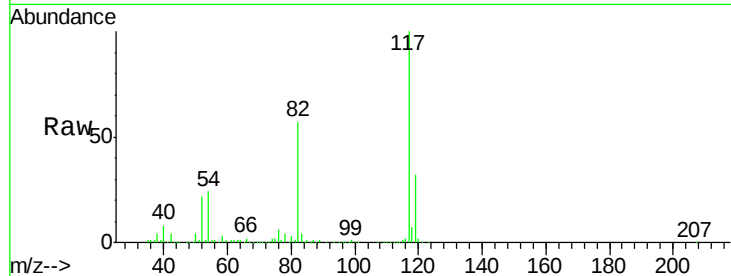




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003694.D
Acq: 03 Jul 2018 13:14

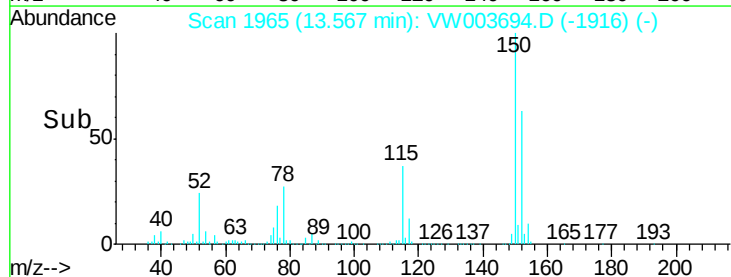
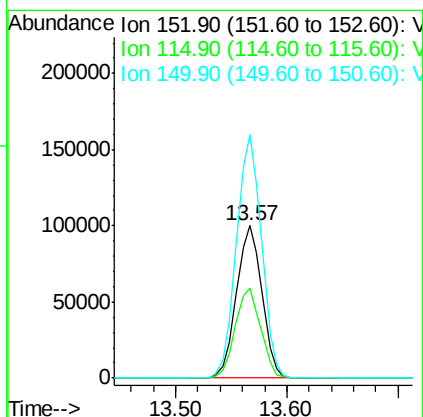
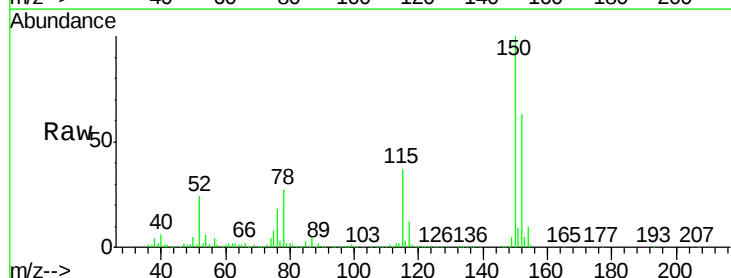
Instrument :
MSVOA_W
ClientSampleId :
OK-03-070218

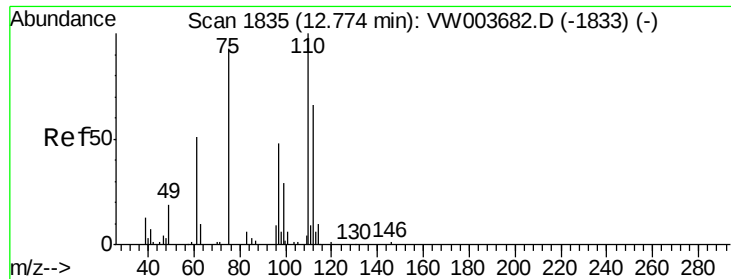
Tgt Ion:117 Resp: 315406
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003694.D
Acq: 03 Jul 2018 13:14

Tgt Ion:152 Resp: 157510
Ion Ratio Lower Upper
152 100
115 58.8 29.3 88.0
150 158.0 0.0 352.0

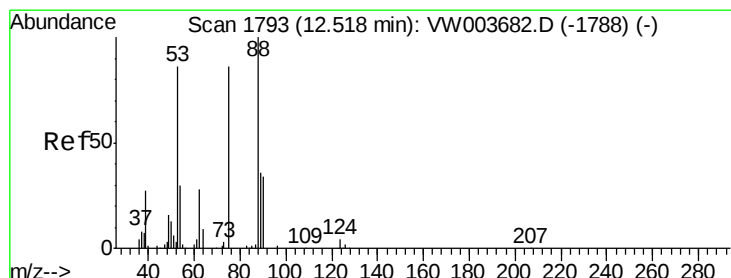
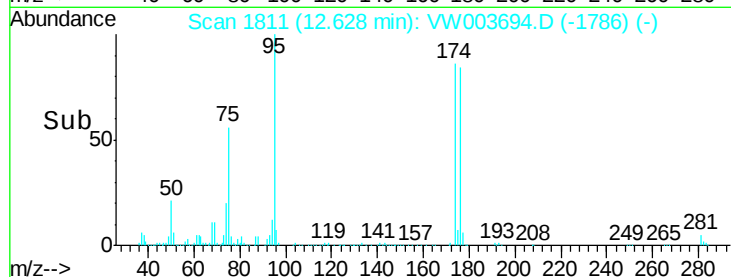
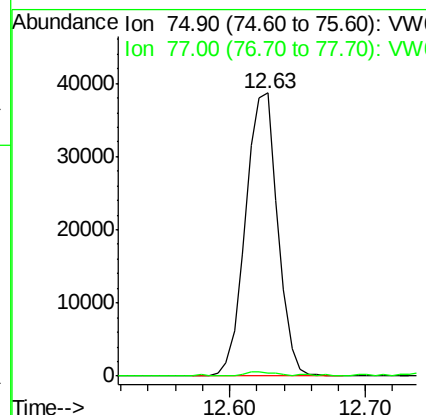
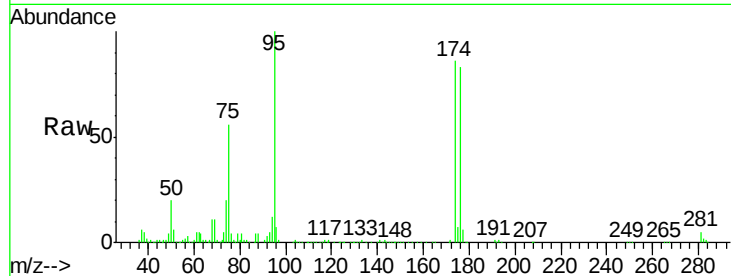




#76
 1,2,3-Trichloropropane
 Concen: 45.107 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

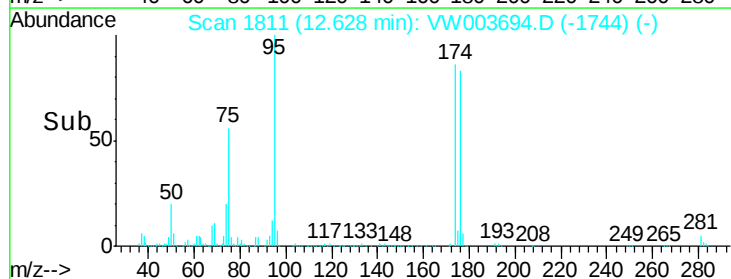
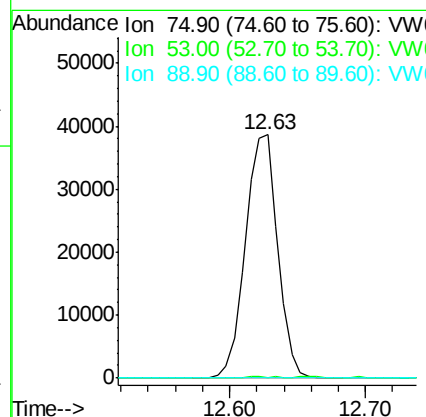
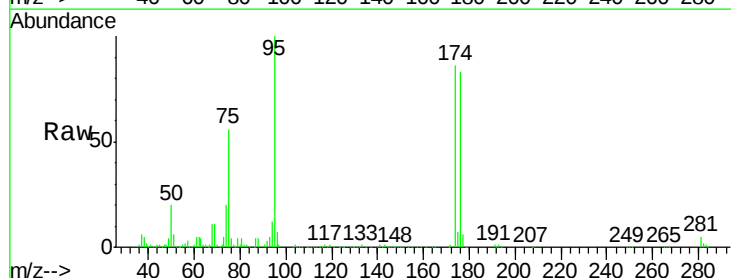
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-070218

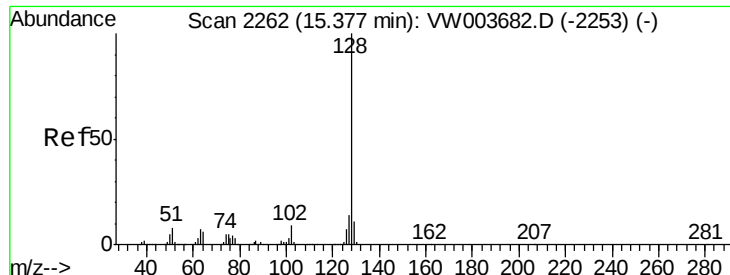
Tgt Ion: 75 Resp: 63882
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.578 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW003694.D
 Acq: 03 Jul 2018 13:14

Tgt Ion: 75 Resp: 63882
 Ion Ratio Lower Upper
 75 100
 53 0.5 82.4 123.6#
 89 0.0 35.9 53.9#





#95

Naphthalene

Concen: 2.776 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003694.D

Acq: 03 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

OK-03-070218

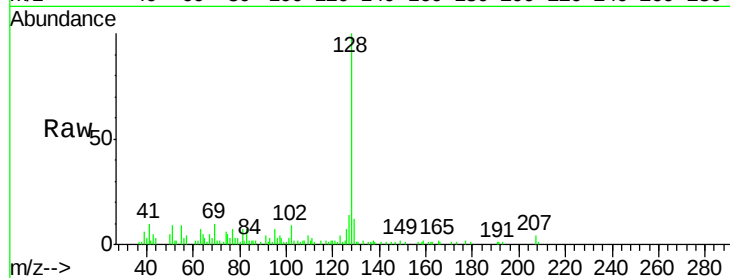
Tgt Ion:128 Resp: 16563

Ion Ratio Lower Upper

128 100

127 15.2 10.6 15.8

129 12.7 8.8 13.2



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

