

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005955.D
 Acq On : 09 Oct 2018 23:13
 Operator : SY/AP
 Sample : J5201-03RE
 Misc : 5.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-100818-BRE

Quant Time: Oct 10 01:22:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.57

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	175	34.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.68%	
35) Dibromofluoromethane	7.90	113	166	42.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.14%	
50) Toluene-d8	10.34	98	627	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

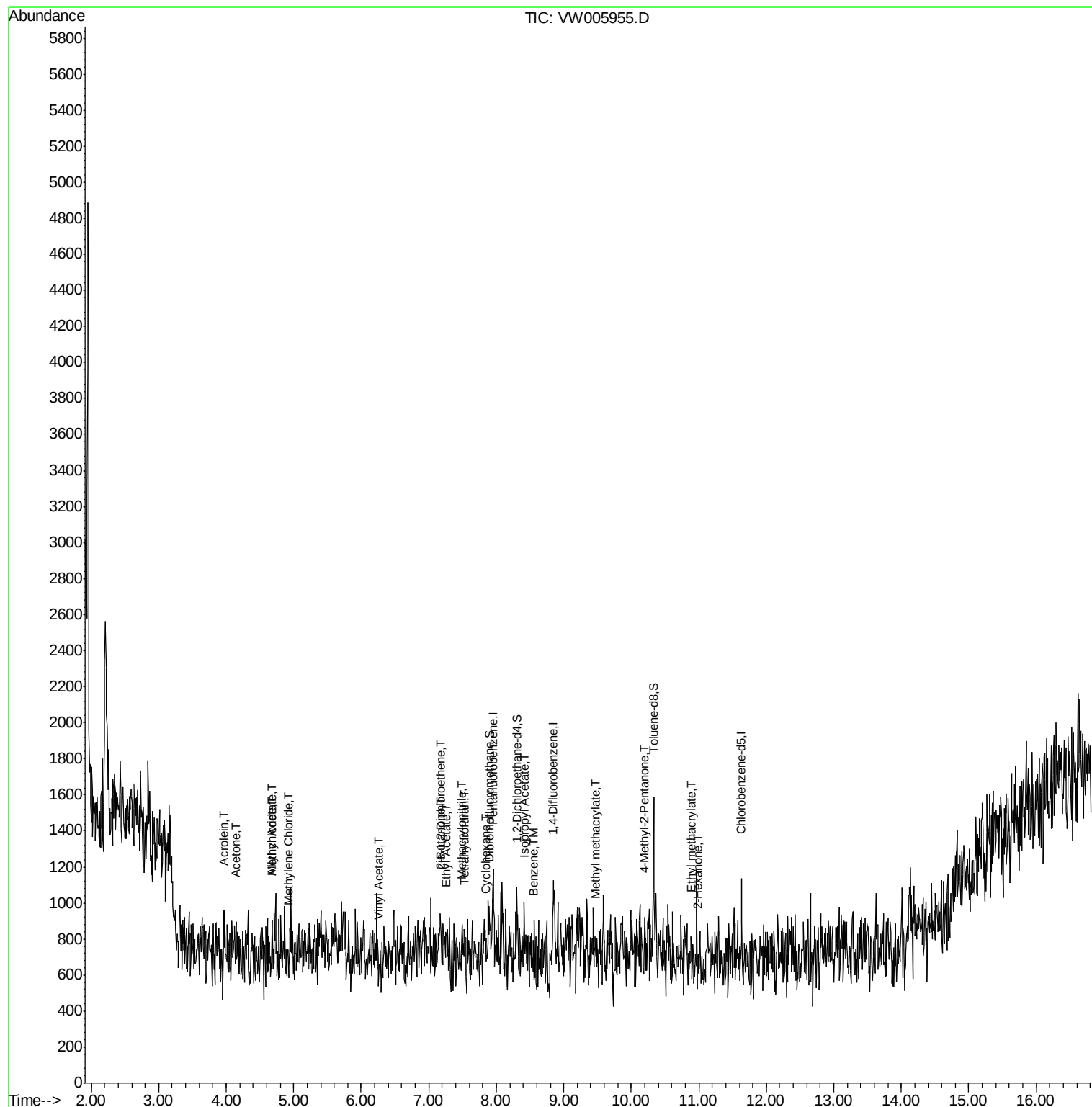
Target Compounds						Qvalue
13) Acrolein	3.96	56	22	66.094	ug/l #	38
14) Allyl chloride	4.68	41	92	11.673	ug/l #	28
16) Acetone	4.15	43	168	165.029	ug/l #	44
18) Methyl Acetate	4.67	43	142	55.276	ug/l #	51
20) Methylene Chloride	4.92	84	20	3.921	ug/l #	6
23) Vinyl Acetate	6.26	43	33	3.639	ug/l #	72
25) 2-Butanone	7.18	43	251	173.351	ug/l #	49
27) cis-1,2-Dichloroethene	7.18	96	23	4.038	ug/l #	1
29) Tetrahydrofuran	7.53	42	26	28.406	ug/l #	34
31) Cyclohexane	7.85	56	19	2.129	ug/l #	14
37) Ethyl Acetate	7.26	43	50	19.939	ug/l #	69
40) Benzene	8.55	78	21	1.296	ug/l #	51
41) Methacrylonitrile	7.50	41	256	163.061	ug/l #	43
43) Isopropyl Acetate	8.41	43	142	27.108	ug/l #	52
48) Methyl methacrylate	9.48	41	149	59.711	ug/l #	40
51) 4-Methyl-2-Pentanone	10.20	43	139	54.492	ug/l #	37
56) Ethyl methacrylate	10.88	69	19	4.565	ug/l #	22
59) 2-Hexanone	10.98	43	21	11.482	ug/l #	26

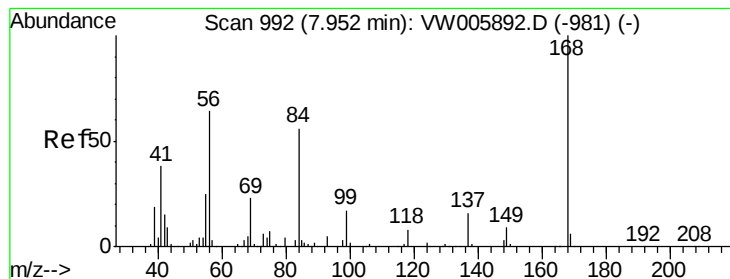
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

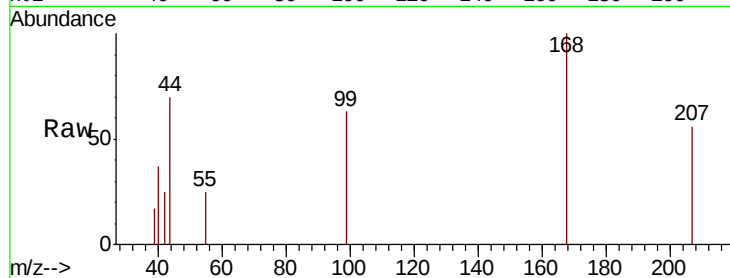
EO-02-100818-BRE

Tgt Ion:168 Resp: 525

Ion Ratio Lower Upper

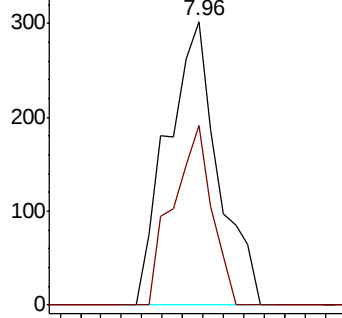
168 100

99 63.2 40.9 61.3#

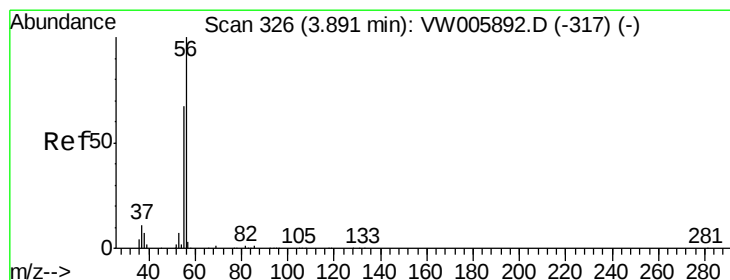
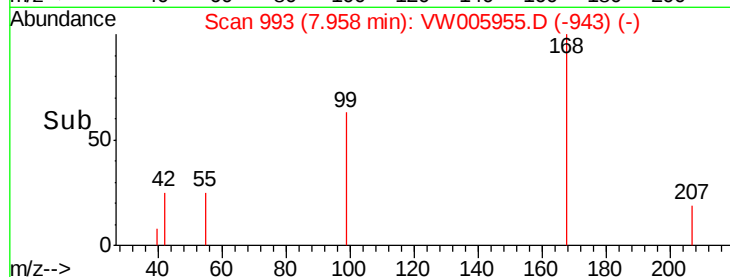


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#13

Acrolein

Concen: 66.094 ug/l

RT: 3.96 min Scan# 338

Delta R.T. 0.07 min

Lab File: VW005955.D

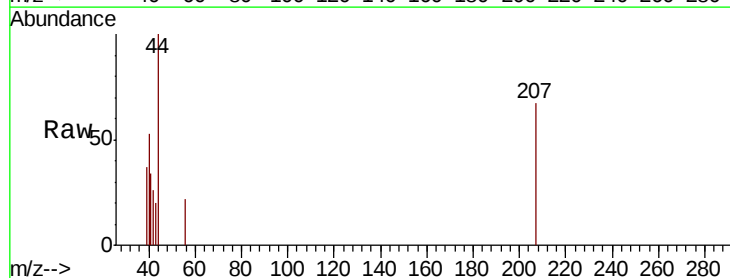
Acq: 09 Oct 2018 23:13

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

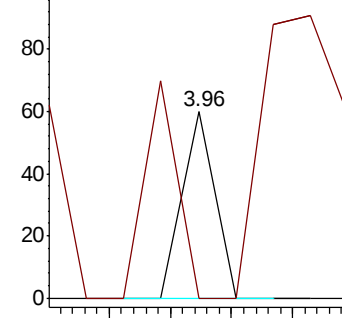
56 100

55 118.2 54.6 82.0#

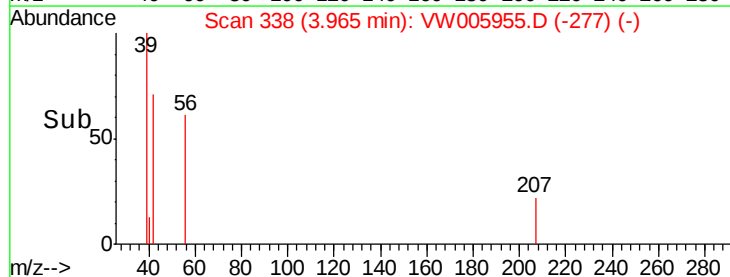


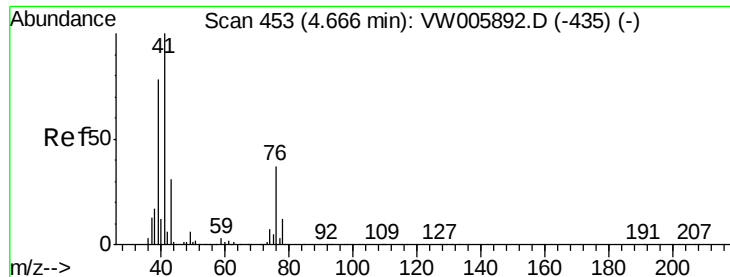
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->

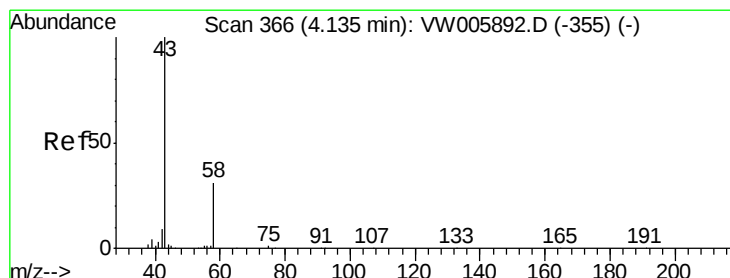
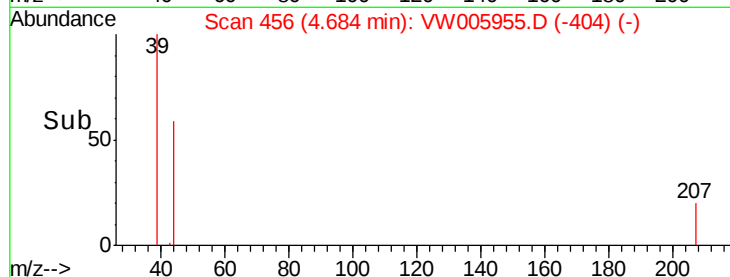
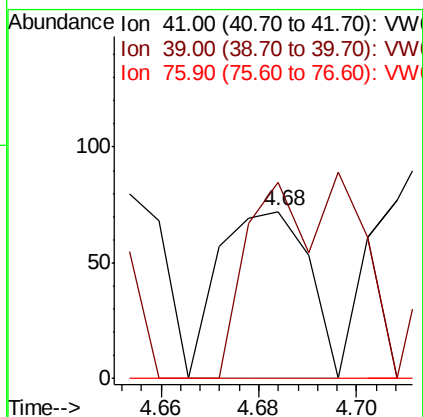
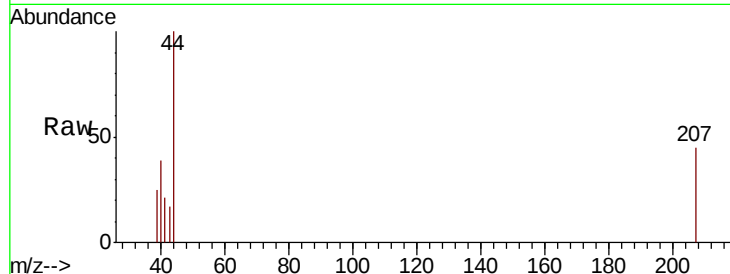




#14
 Allyl chloride
 Concen: 11.673 ug/l
 RT: 4.68 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

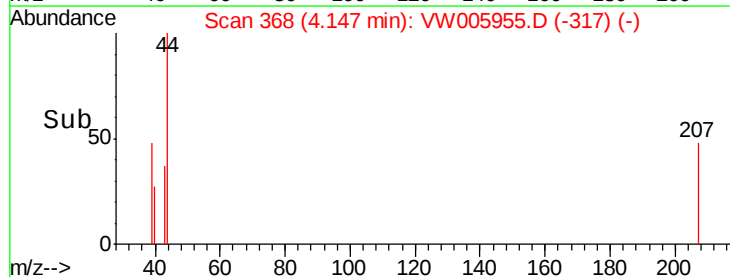
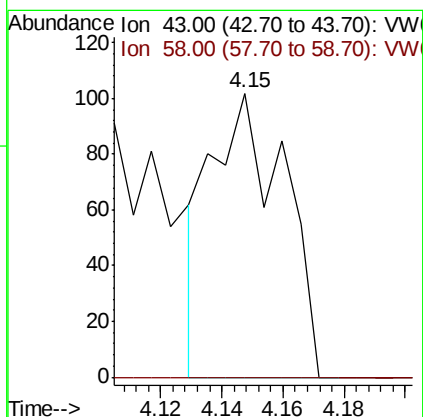
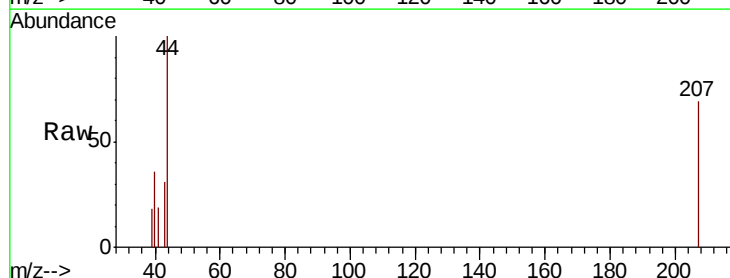
Instrument :
 MSVOA_W
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 EO-02-100818-BRE

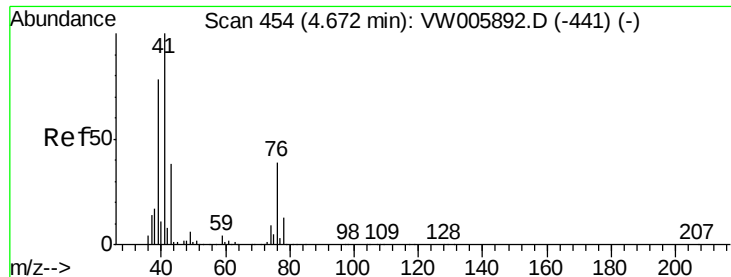
Tgt Ion: 41 Resp: 92
 Ion Ratio Lower Upper
 41 100
 39 141.3 60.8 91.2#
 76 0.0 29.6 44.4#



#16
 Acetone
 Concen: 165.029 ug/l
 RT: 4.15 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Tgt Ion: 43 Resp: 168
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 37.1#

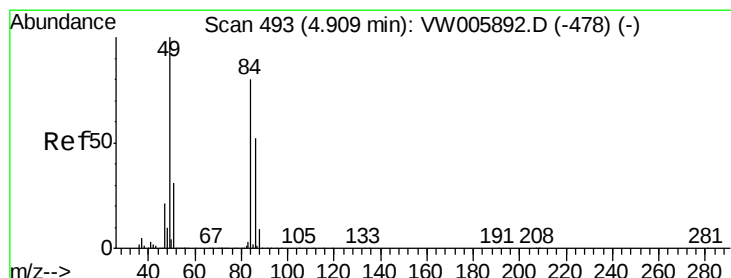
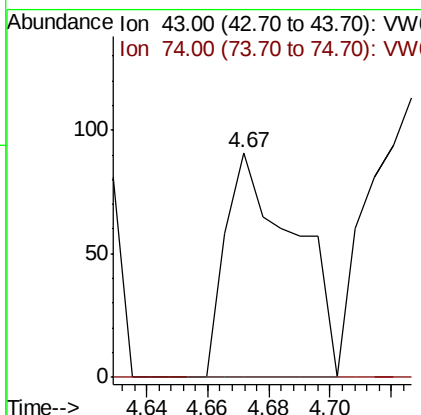
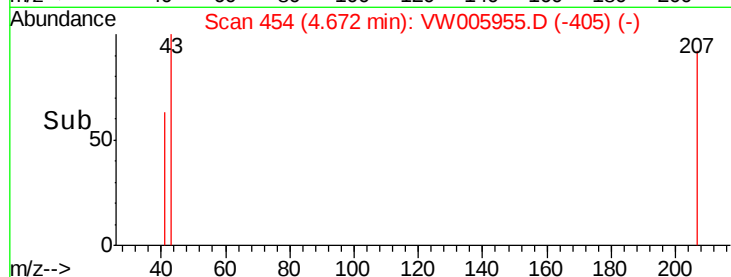
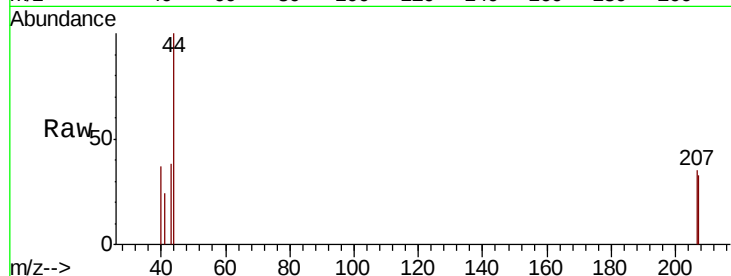




#18
Methyl Acetate
Concen: 55.276 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

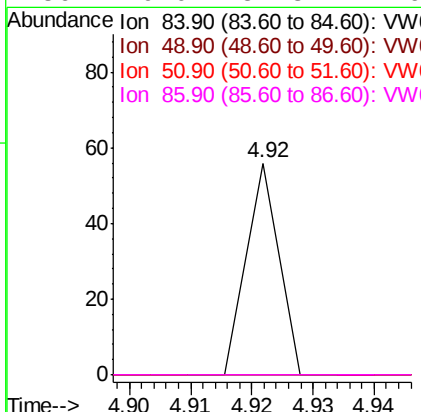
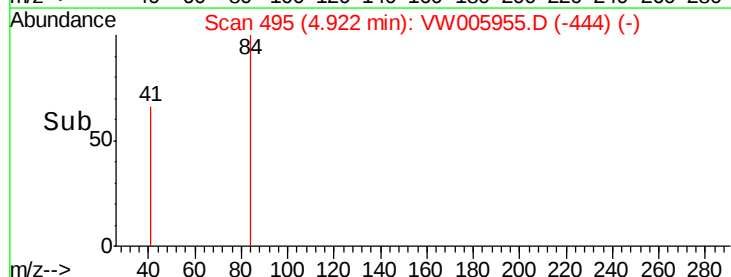
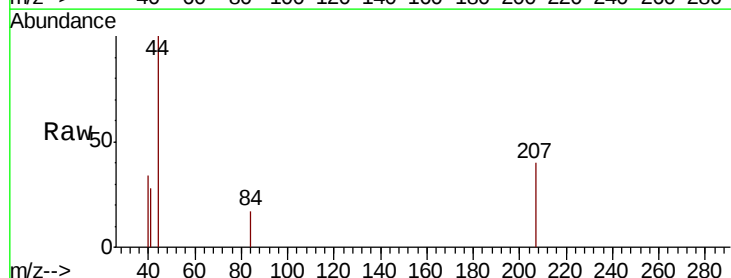
Instrument :
MSVOA_W
ClientSampleId :
EO-02-100818-BRE

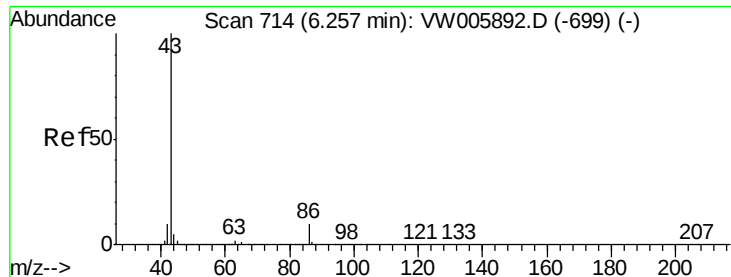
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 3.921 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

Tgt Ion: 84 Resp: 20
Ion Ratio Lower Upper
84 100
49 0.0 99.9 149.9#
51 0.0 31.1 46.7#
86 0.0 51.8 77.6#





#23

Vinyl Acetate

Concen: 3.639 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

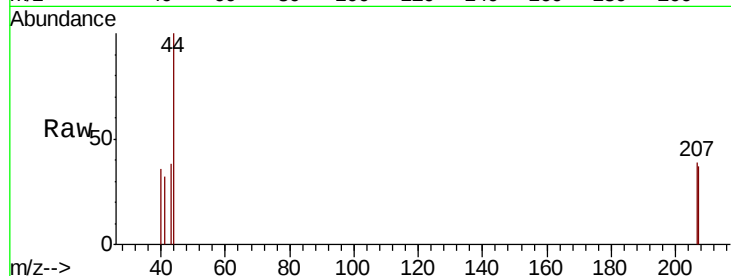
EO-02-100818-BRE

Tgt Ion: 43 Resp: 33

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#

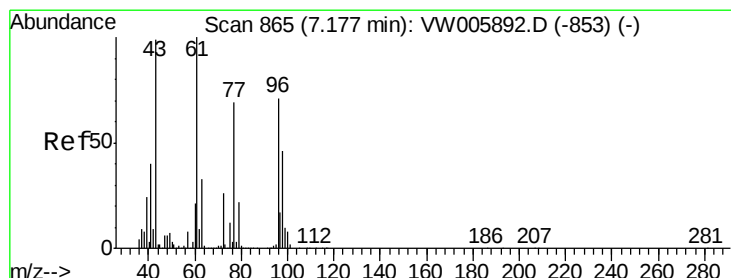
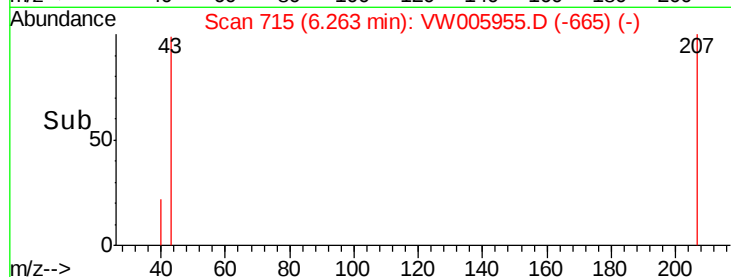


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

Time-->



#25

2-Butanone

Concen: 173.351 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005955.D

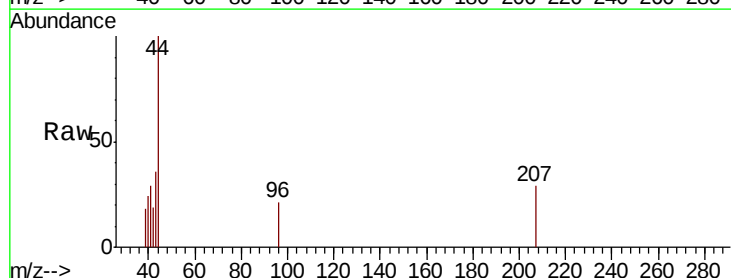
Acq: 09 Oct 2018 23:13

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

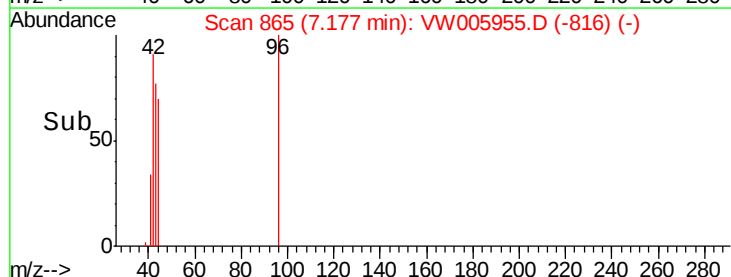


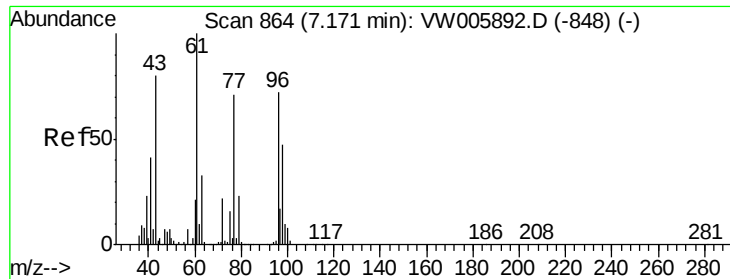
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

Time-->



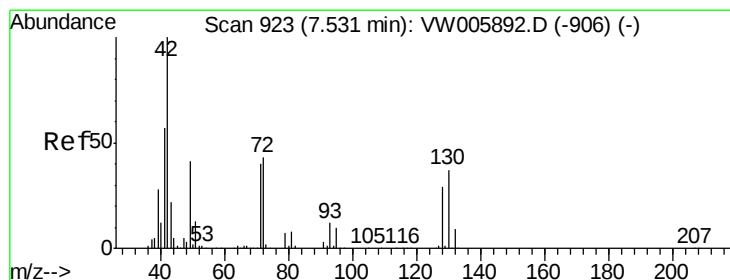
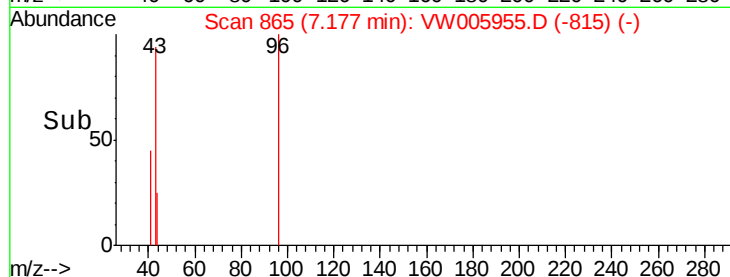
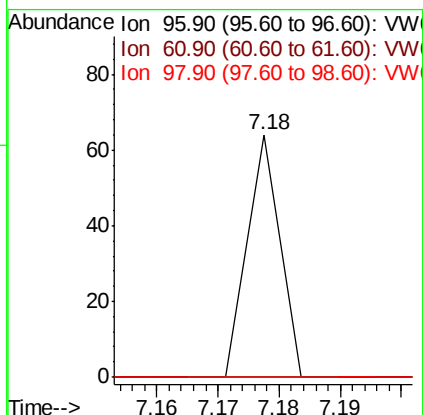
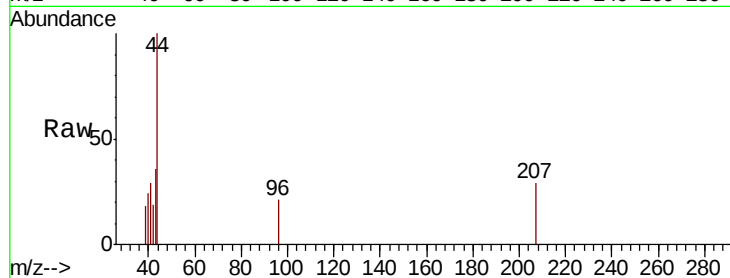


#27

cis-1,2-Dichloroethene
 Concen: 4.038 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-100818-BRE

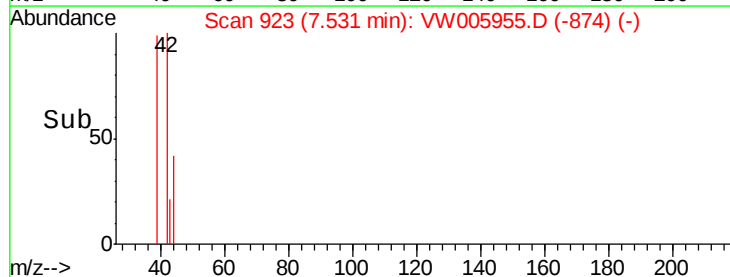
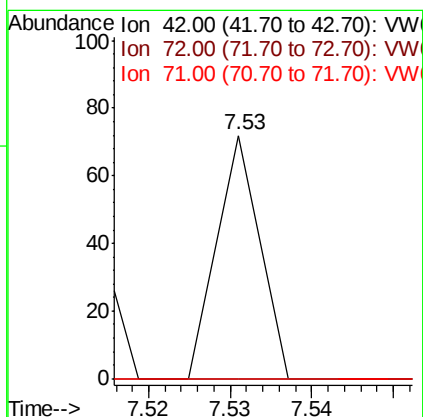
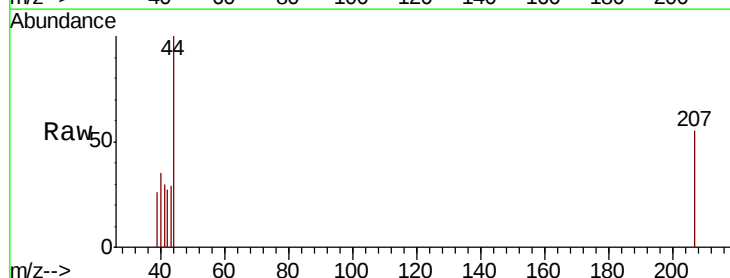
Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	284.0
98	0.0	0.0	129.8

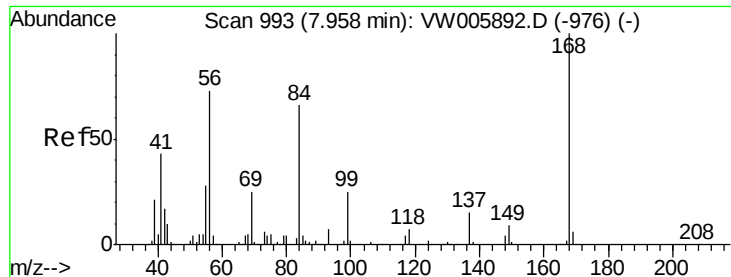


#29

Tetrahydrofuran
 Concen: 28.406 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.6	49.0#

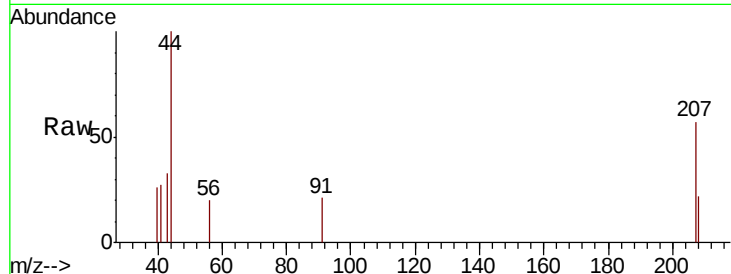




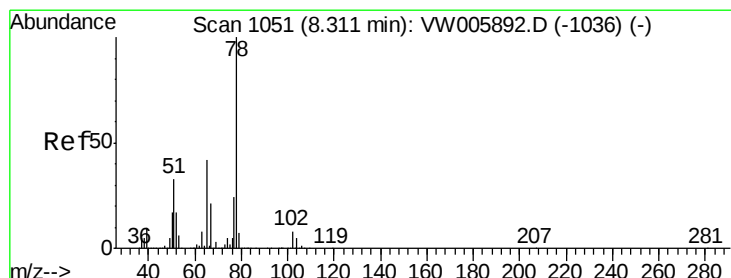
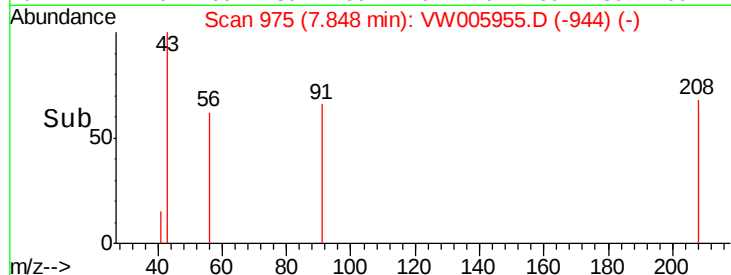
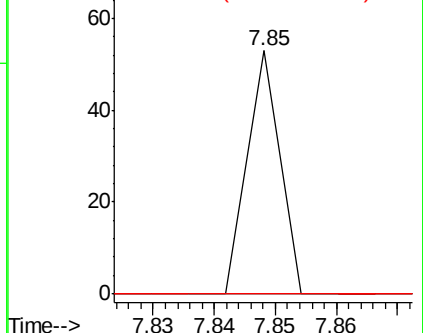
#31
Cyclohexane
Concen: 2.129 ug/l
RT: 7.85 min Scan# 975
Delta R.T. -0.11 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

Instrument :
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ClientSampleId :
EO-02-100818-BRE

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
69 0.0 27.9 41.9#
84 0.0 72.3 108.5#

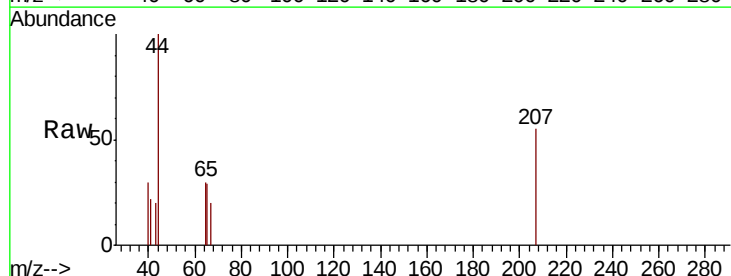


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

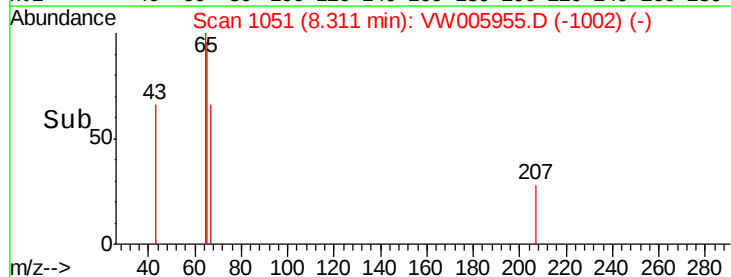
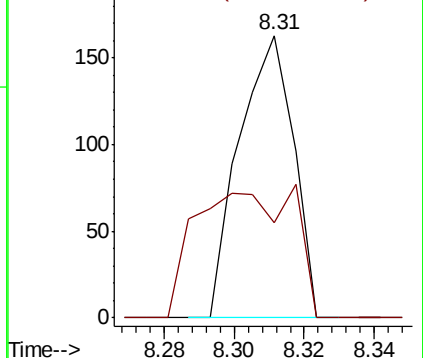


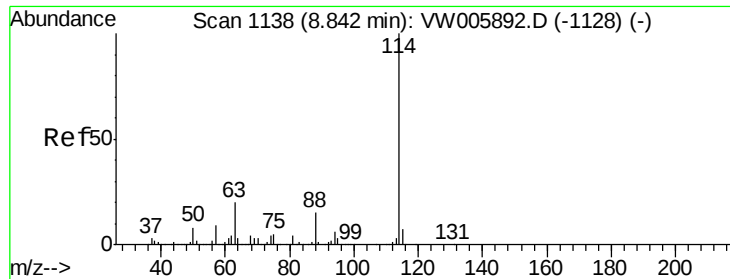
#33
1,2-Dichloroethane-d4
Concen: 34.337 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

Tgt Ion: 65 Resp: 175
Ion Ratio Lower Upper
65 100
67 82.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

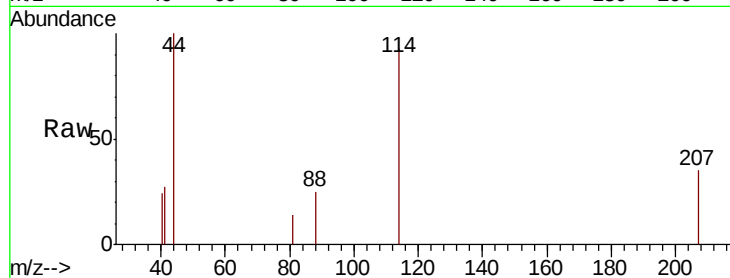




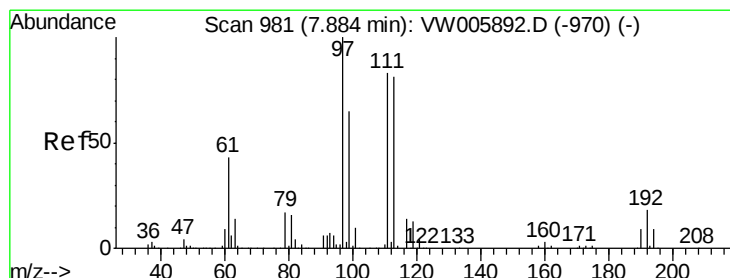
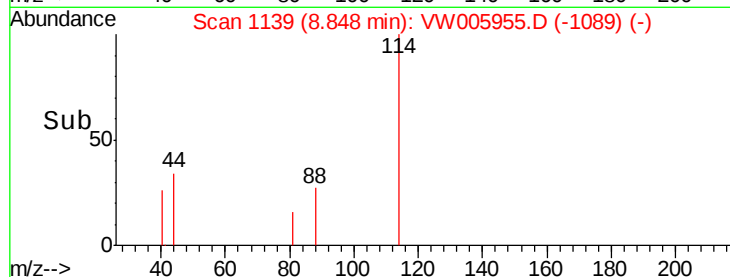
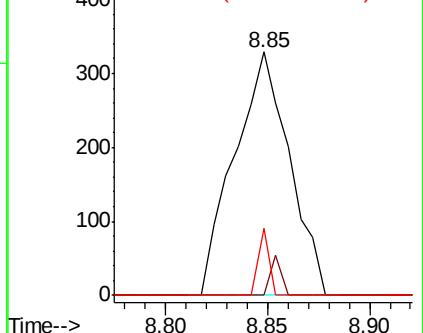
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Instrument :
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Tgt Ion:114 Resp: 618
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 39.2
 88 27.4 0.0 30.8

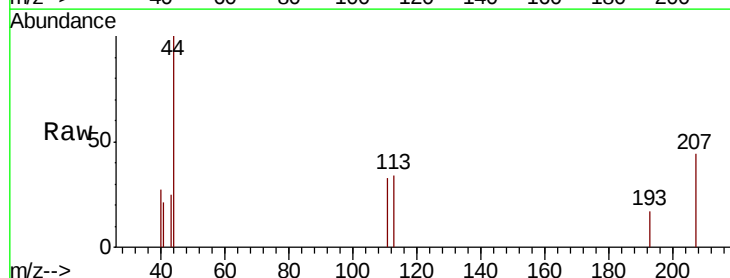


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

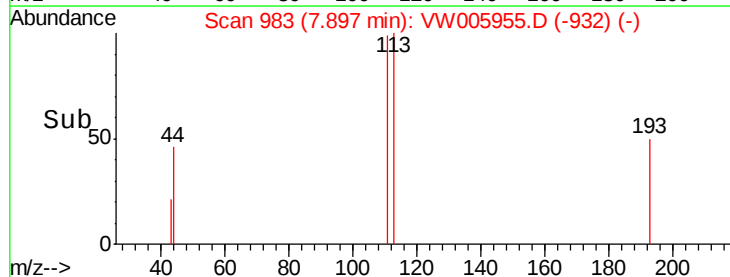
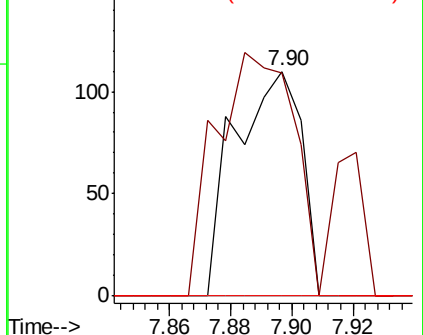


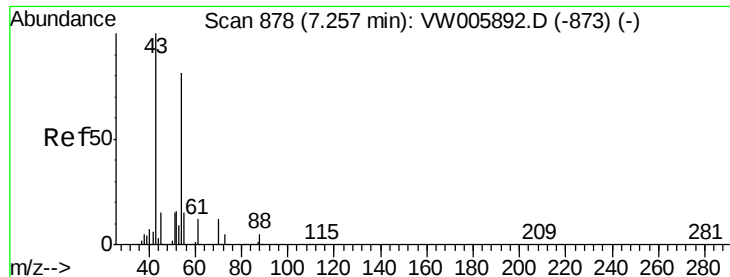
#35
 Dibromofluoromethane
 Concen: 42.071 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Tgt Ion:113 Resp: 166
 Ion Ratio Lower Upper
 113 100
 111 127.1 82.0 123.0#
 192 0.0 18.3 27.5#



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

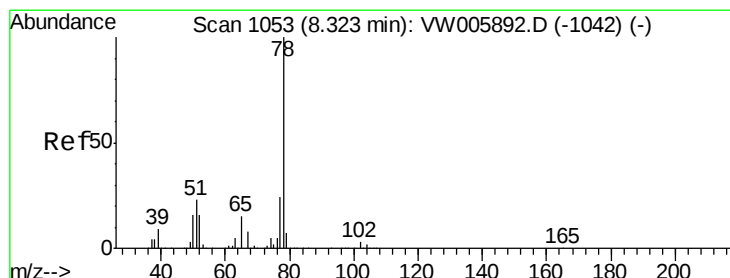
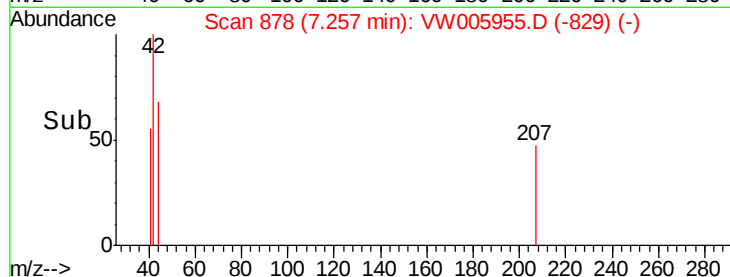
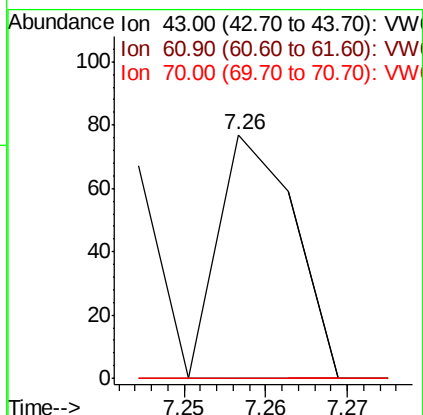
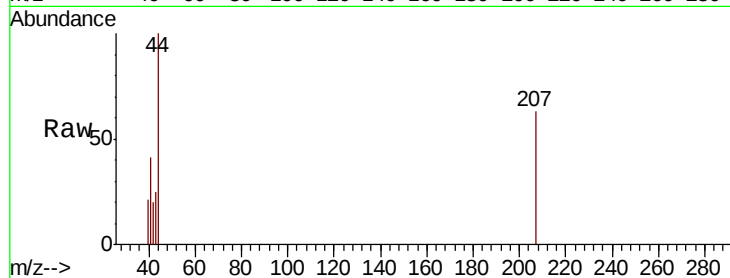




#37
 Ethyl Acetate
 Concen: 19.939 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

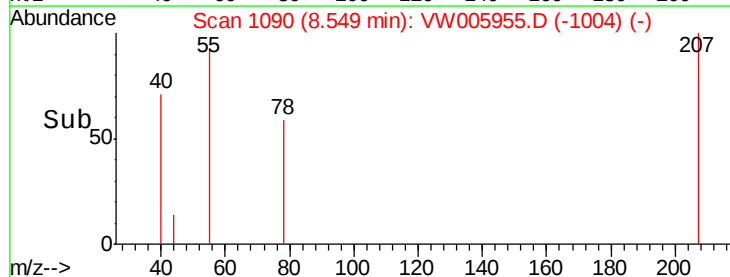
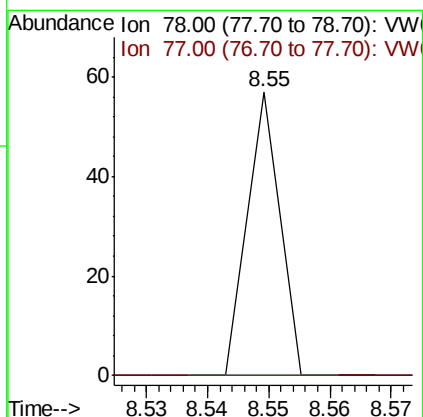
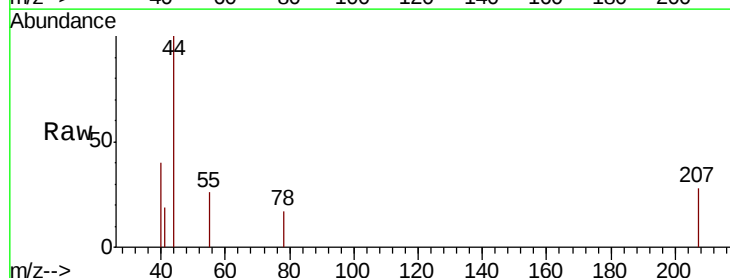
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-100818-BRE

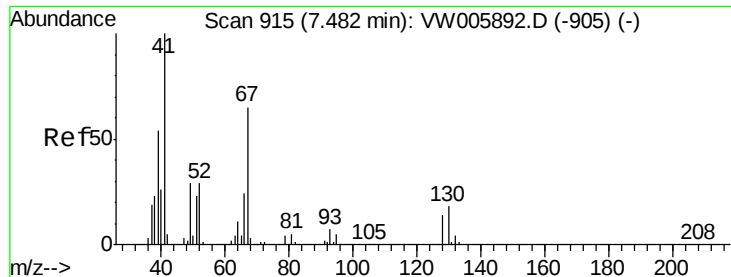
Tgt Ion: 43 Resp: 50
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.6 13.0#



#40
 Benzene
 Concen: 1.296 ug/l
 RT: 8.55 min Scan# 1090
 Delta R.T. 0.23 min
 Lab File: VW005955.D
 Acq: 09 Oct 2018 23:13

Tgt Ion: 78 Resp: 21
 Ion Ratio Lower Upper
 78 100
 77 0.0 19.1 28.7#





#41

Methacrylonitrile

Concen: 163.061 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-BRE

Tgt Ion: 41 Resp: 256

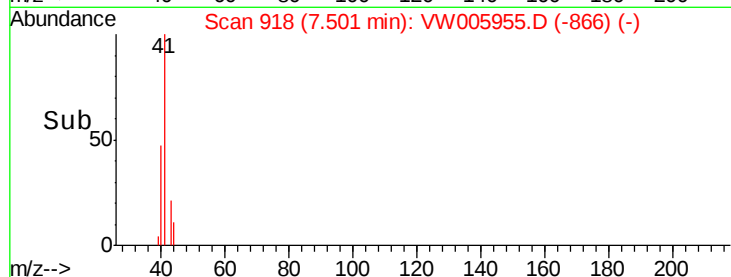
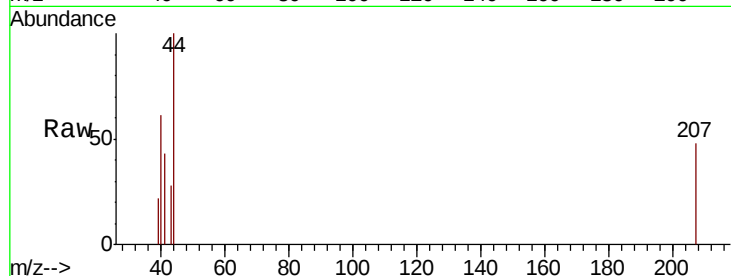
Ion Ratio Lower Upper

41 100

39 39.8 45.0 67.4#

67 0.0 55.8 83.8#

52 0.0 25.3 37.9#

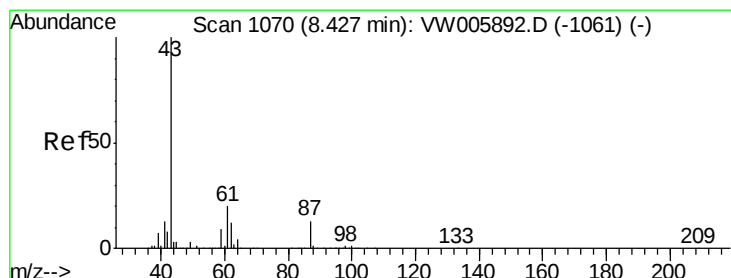
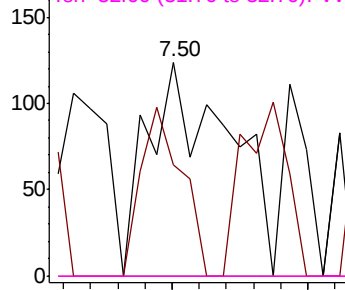


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#43

Isopropyl Acetate

Concen: 27.108 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

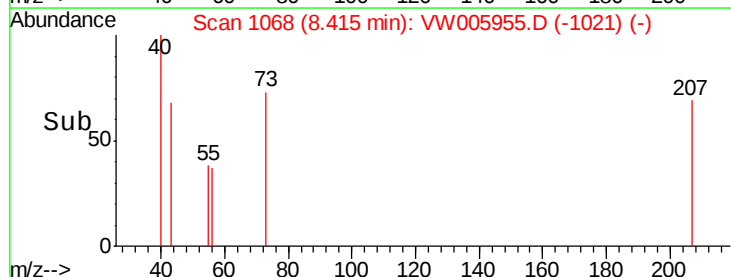
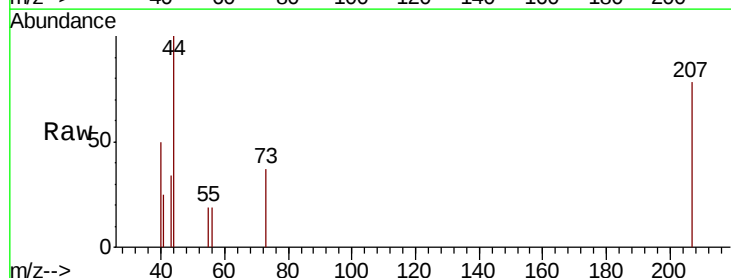
Tgt Ion: 43 Resp: 142

Ion Ratio Lower Upper

43 100

61 0.0 23.1 34.7#

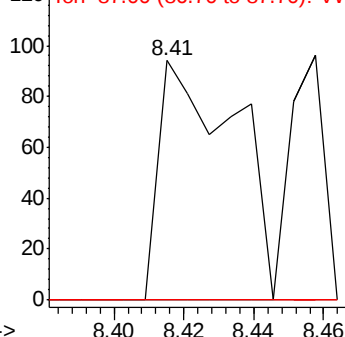
87 0.0 10.7 16.1#

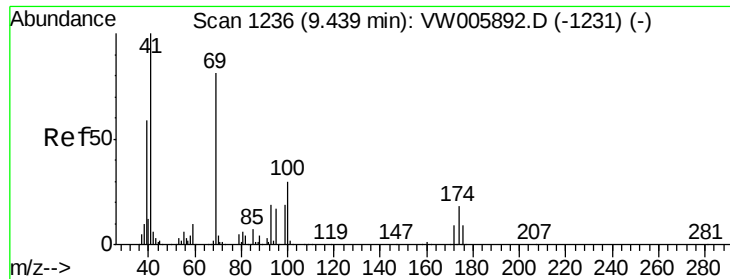


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

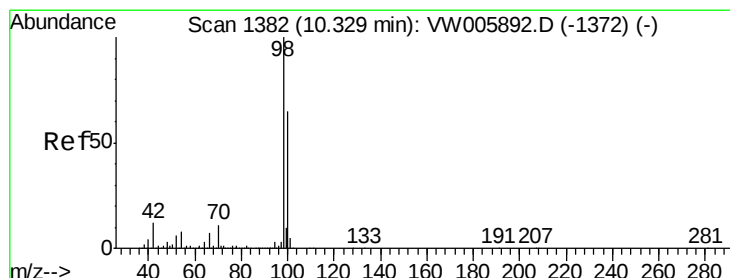
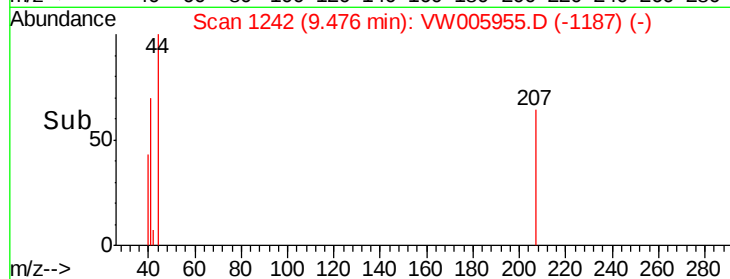
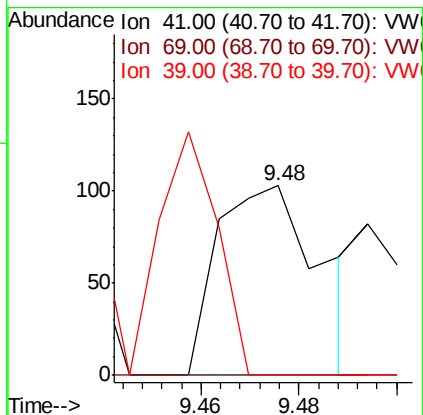
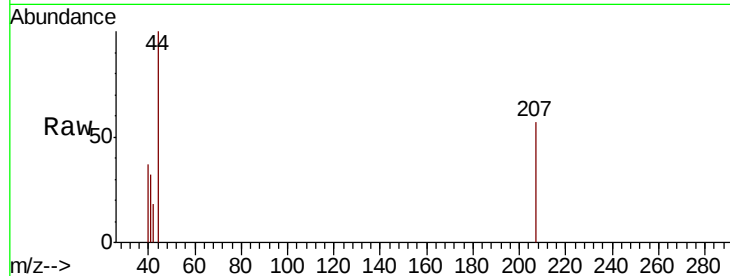




#48
Methyl methacrylate
Concen: 59.711 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.04 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

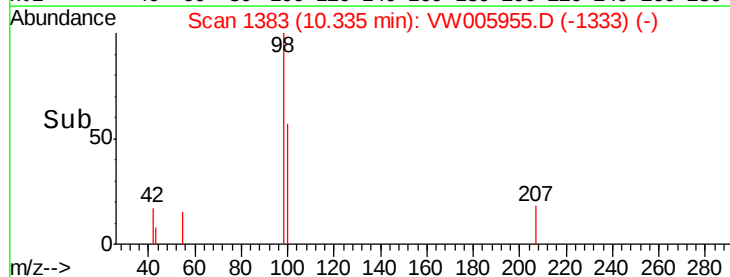
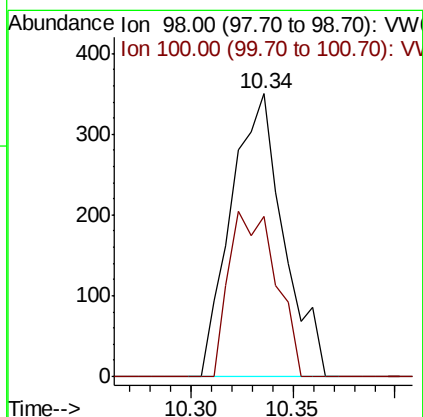
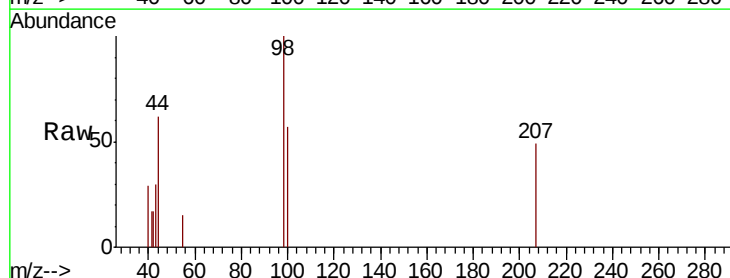
Instrument :
MSVOA_W
ClientSampleId :
EO-02-100818-BRE

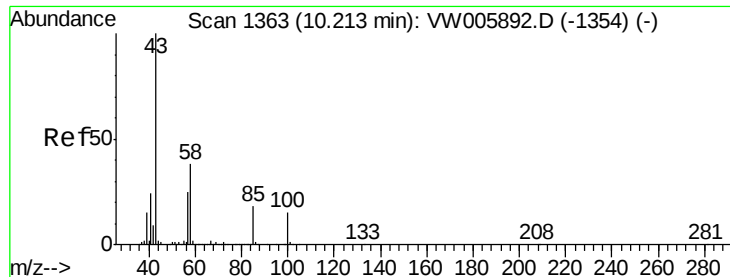
Tgt Ion: 41 Resp: 149
Ion Ratio Lower Upper
41 100
69 0.0 68.7 103.1#
39 72.5 50.0 75.0



#50
Toluene-d8
Concen: 41.303 ug/l
RT: 10.34 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

Tgt Ion: 98 Resp: 627
Ion Ratio Lower Upper
98 100
100 52.2 51.9 77.9

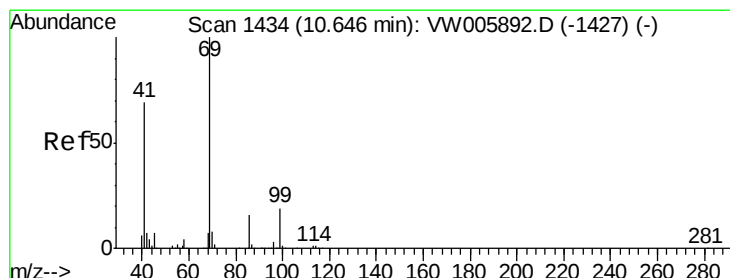
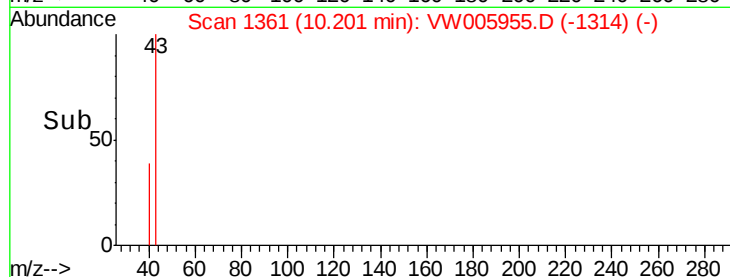
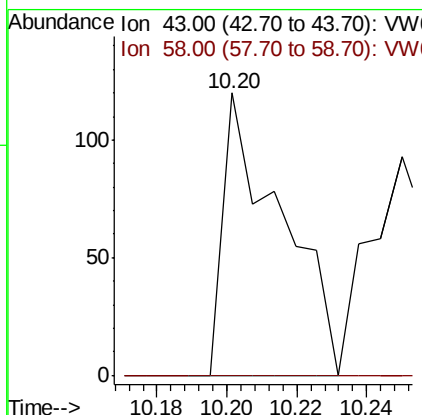
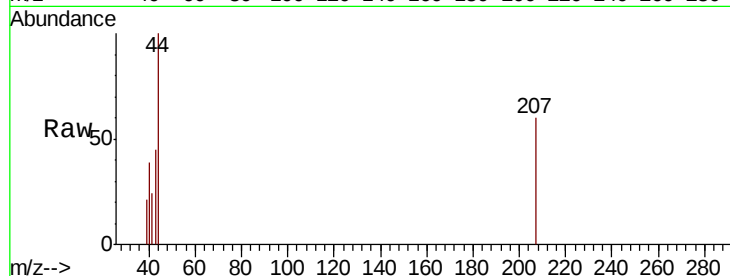




#51
4-Methyl-2-Pentanone
Concen: 54.492 ug/l
RT: 10.20 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

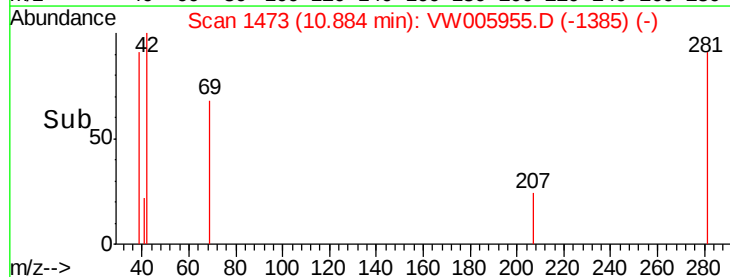
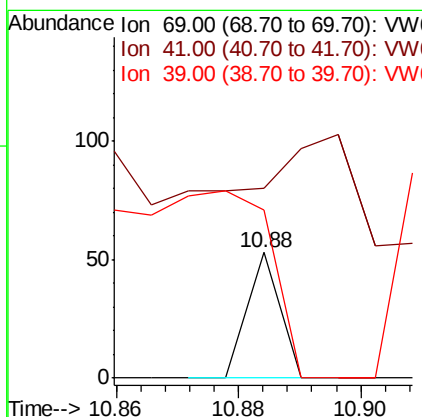
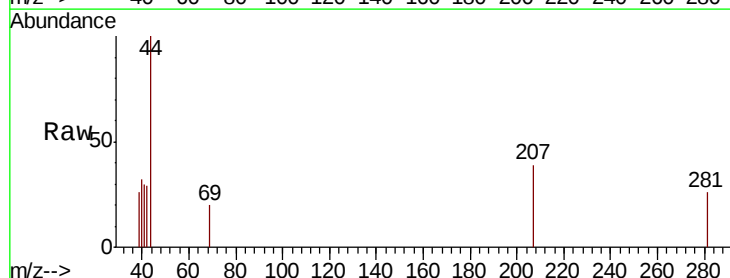
Instrument :
MSVOA_W
ClientSampleId :
EO-02-100818-BRE

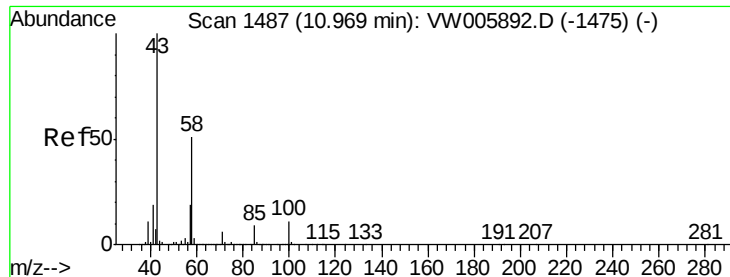
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.4#



#56
Ethyl methacrylate
Concen: 4.565 ug/l
RT: 10.88 min Scan# 1473
Delta R.T. 0.24 min
Lab File: VW005955.D
Acq: 09 Oct 2018 23:13

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 56.0 84.0#
39 0.0 33.5 50.3#





#59

2-Hexanone

Concen: 11.482 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

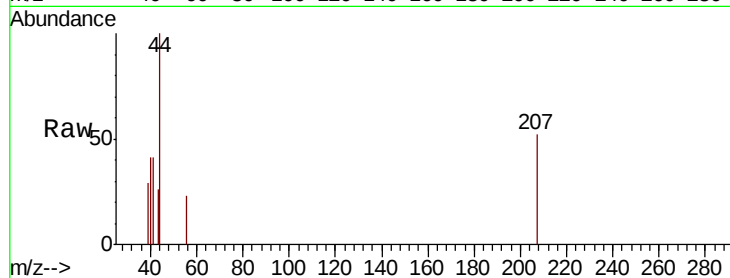
EO-02-100818-BRE

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

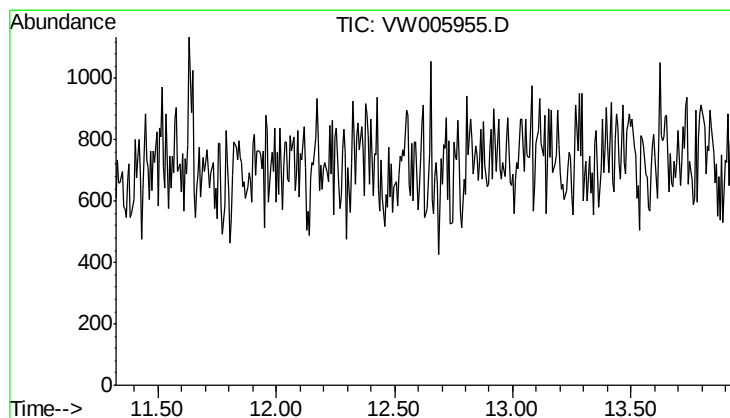
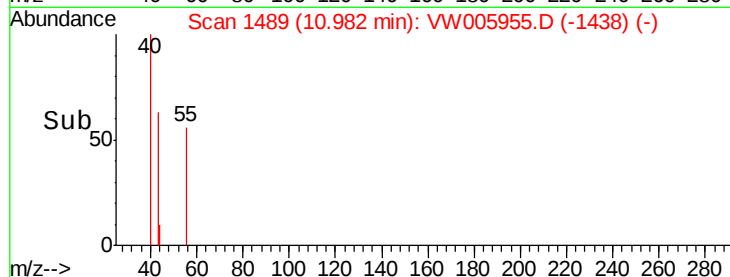
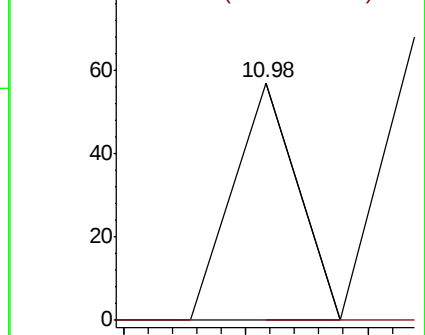
43 100

58 0.0 25.7 77.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.62 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

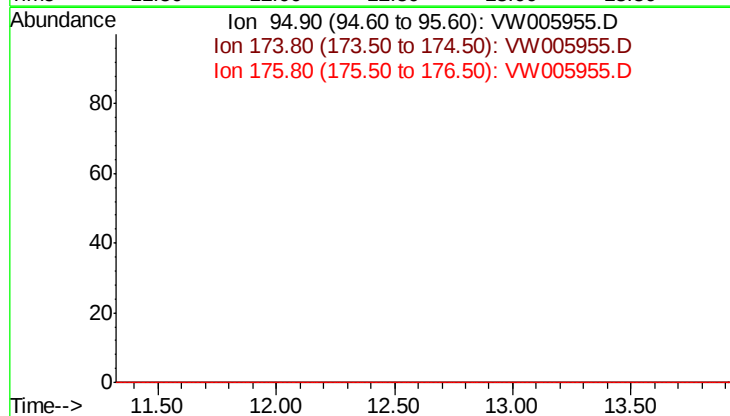
Tgt Ion: 95

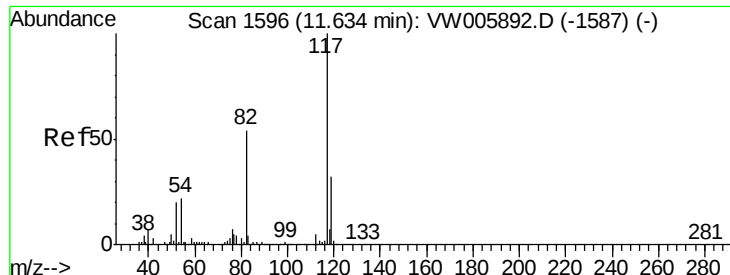
Sig Exp Ratio

95 100

174 88.2

176 86.5





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-BRE

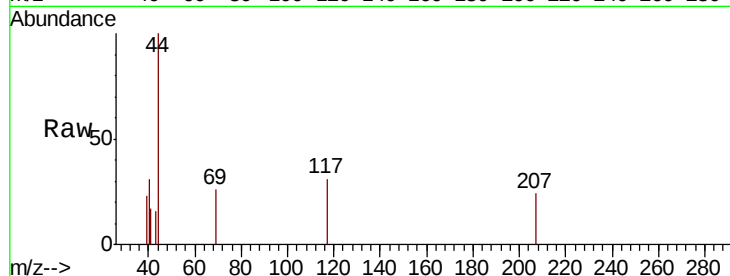
Tgt Ion:117 Resp: 105

Ion Ratio Lower Upper

117 100

82 0.0 43.5 65.3#

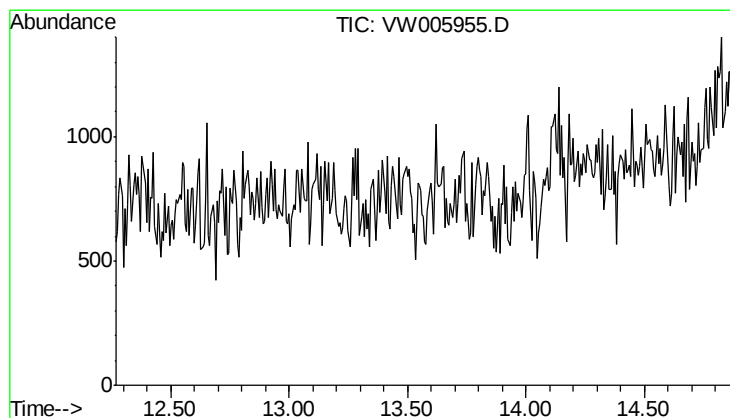
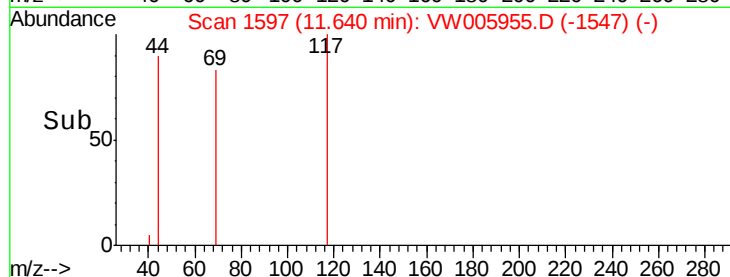
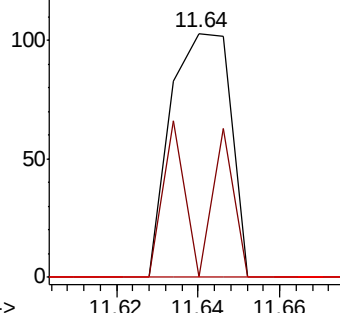
119 0.0 25.4 38.2#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 13.57 min

Lab File: VW005955.D

Acq: 09 Oct 2018 23:13

Tgt Ion: 152

Sig Exp Ratio

152 100

115 56.7

150 174.6

