

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003598.D
 Acq On : 27 Jun 2018 04:50
 Operator : SY/AP
 Sample : J3688-02
 Misc : 6.66G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-109-6(65-67)

Quant Time: Jun 27 07:58:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	143518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	79961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10090	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	26858	30.21	ug/l	0.00
Spiked Amount			Recovery	=	60.42%	
35) Dibromofluoromethane	7.89	113	25391	28.47	ug/l	0.00
Spiked Amount			Recovery	=	56.94%	
50) Toluene-d8	10.33	98	51072	14.44	ug/l	0.00
Spiked Amount			Recovery	=	28.88%	
62) 4-Bromofluorobenzene	12.63	95	6850	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	

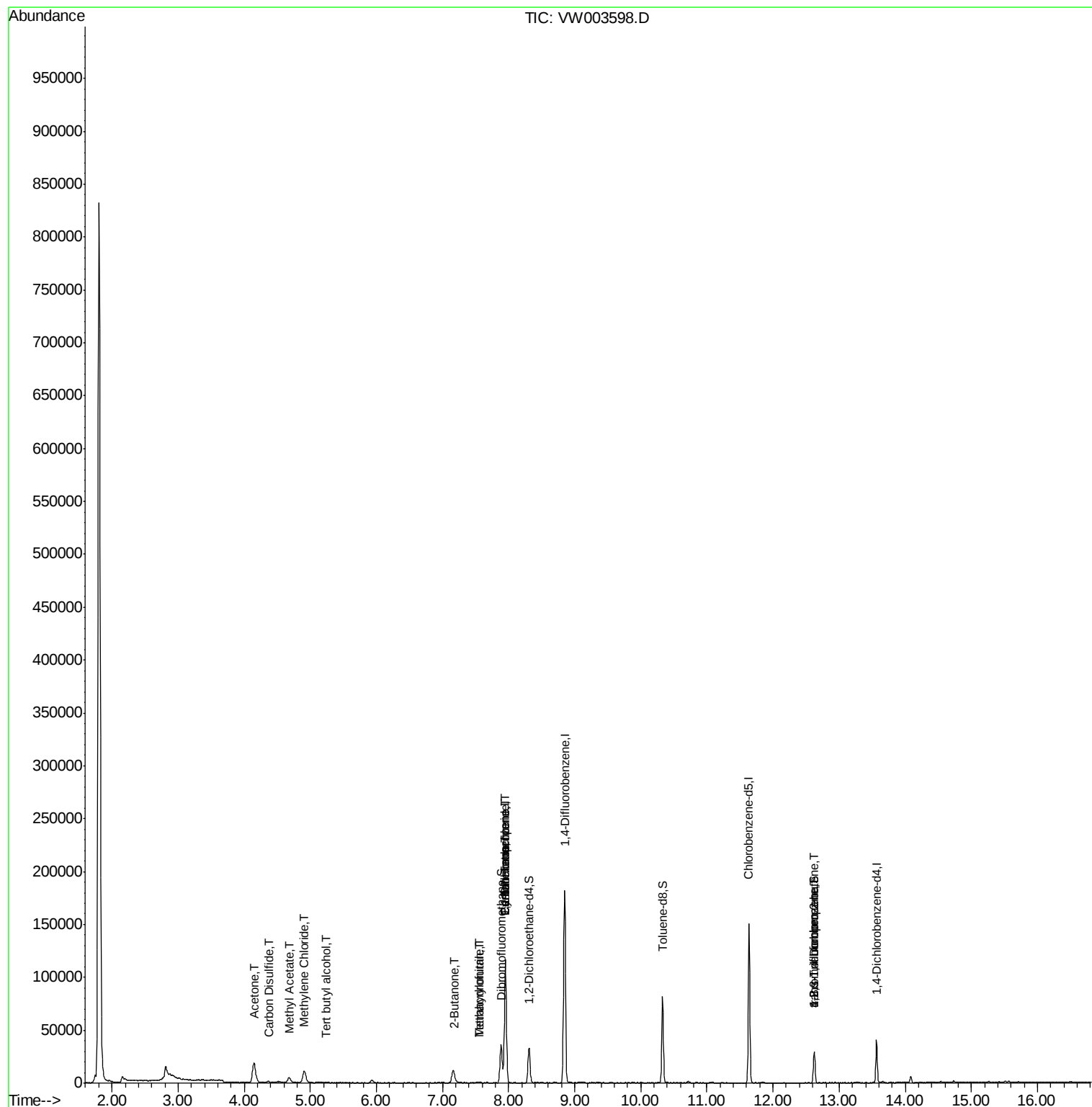
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	416	8.725	ug/l #	84
16) Acetone	4.15	43	39806	213.479	ug/l	100
17) Carbon Disulfide	4.37	76	2806	1.277	ug/l #	94
18) Methyl Acetate	4.68	43	9524	21.531	ug/l	99
20) Methylene Chloride	4.90	84	8525	7.654	ug/l	100
25) 2-Butanone	7.18	43	1822	7.858	ug/l #	69
29) Tetrahydrofuran	7.55	42	432	3.049	ug/l #	56
31) Cyclohexane	7.95	56	2305	1.604	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	7172	5.175	ug/l #	42
38) Carbon Tetrachloride	7.95	117	8380	6.164	ug/l #	17
41) Methacrylonitrile	7.54	41	466	1.323	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	3547	41.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	3547	94.621	ug/l #	8

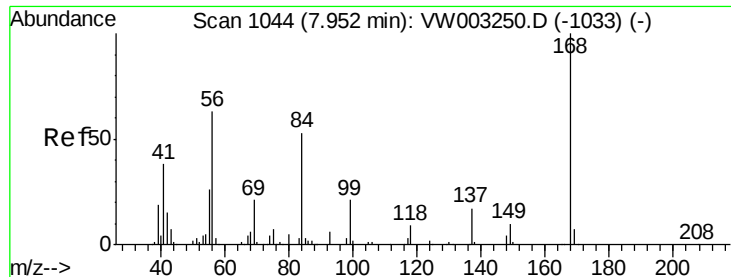
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

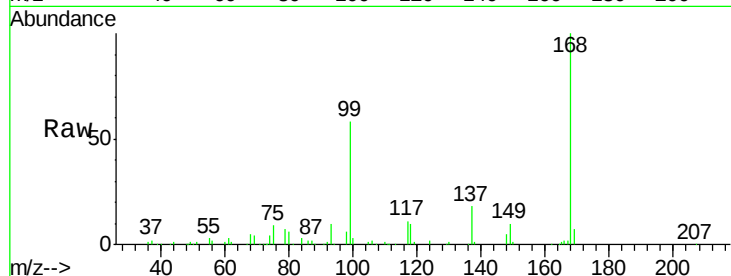
EPE-109-6(65-67)

Tgt Ion:168 Resp: 82081

Ion Ratio Lower Upper

168 100

99 58.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

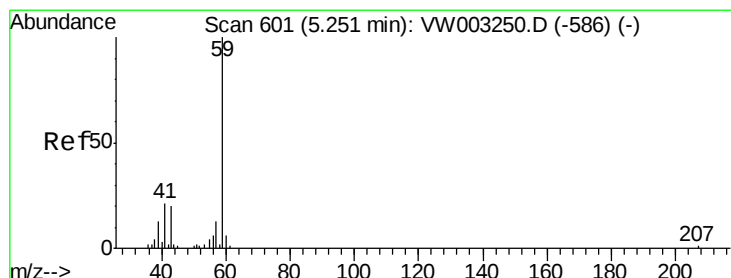
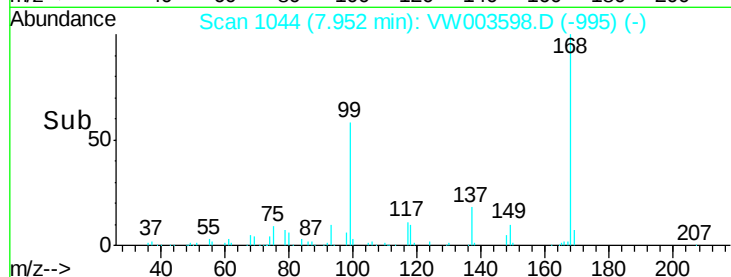
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 8.725 ug/l

RT: 5.24 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003598.D

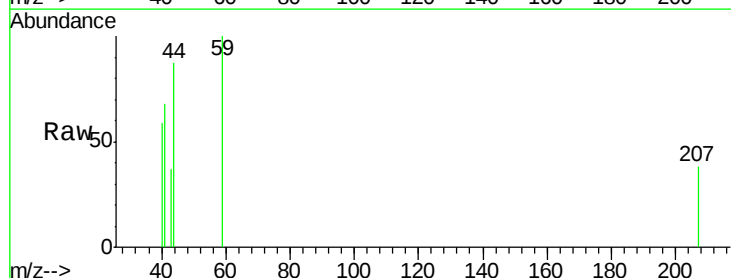
Acq: 27 Jun 2018 04:50

Tgt Ion: 59 Resp: 416

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

200

150

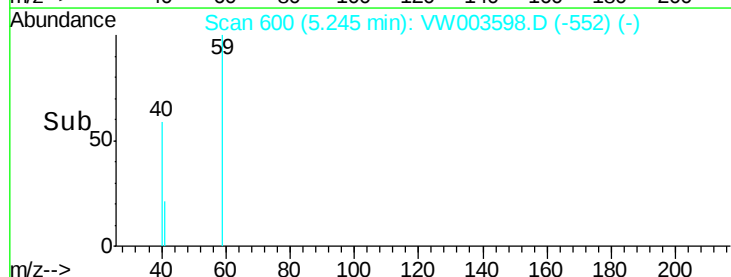
100

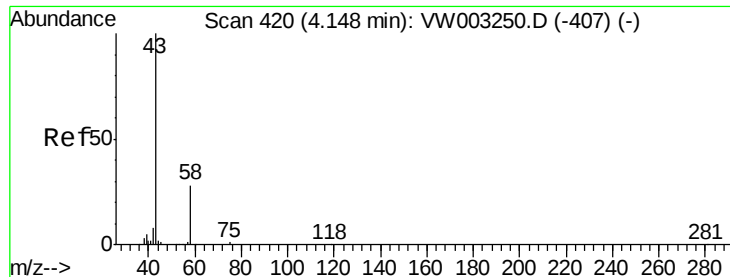
50

0

Time-->

5.20 5.25





#16

Acetone

Concen: 213.479 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

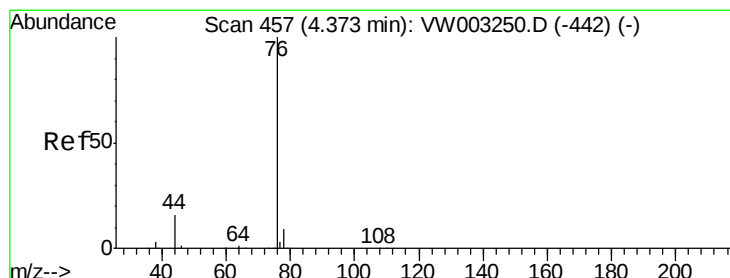
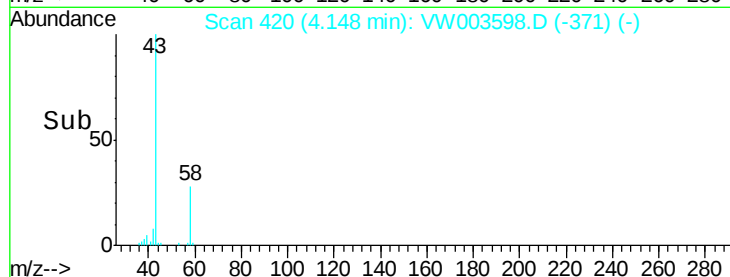
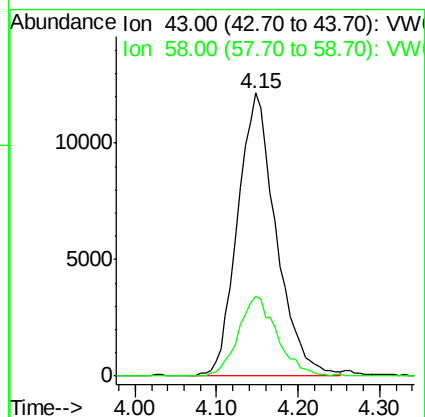
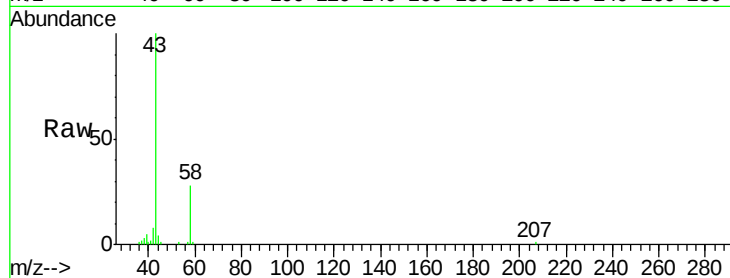
EPE-109-6(65-67)

Tgt Ion: 43 Resp: 39806

Ion Ratio Lower Upper

43 100

58 28.4 22.6 34.0



#17

Carbon Disulfide

Concen: 1.277 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003598.D

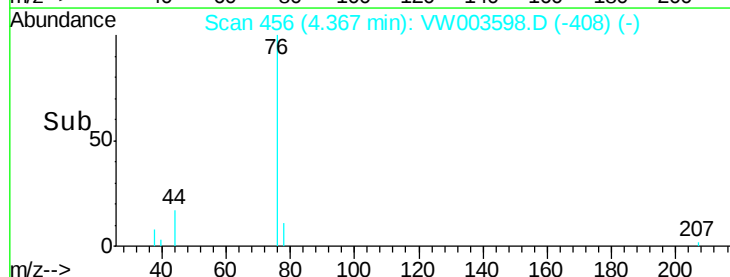
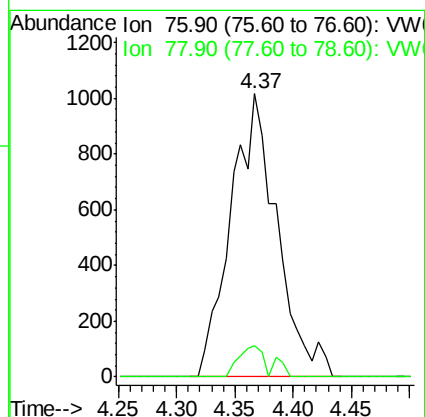
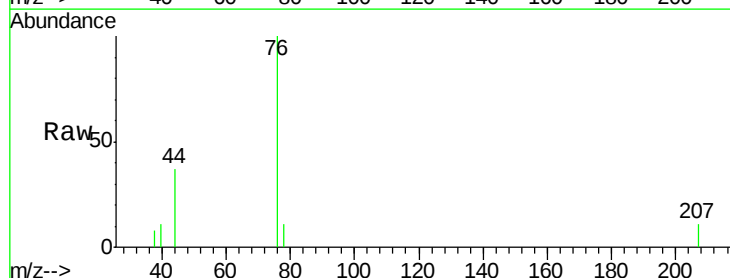
Acq: 27 Jun 2018 04:50

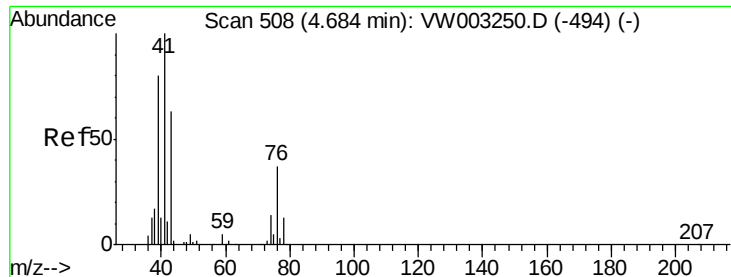
Tgt Ion: 76 Resp: 2806

Ion Ratio Lower Upper

76 100

78 11.1 7.1 10.7#

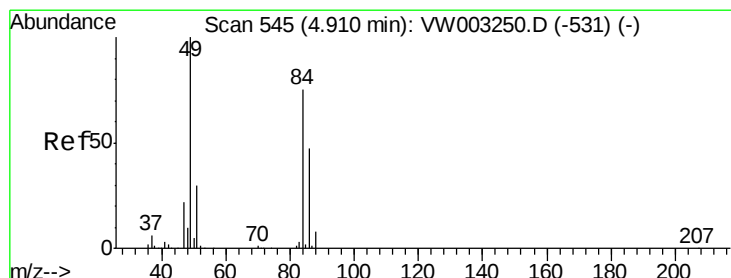
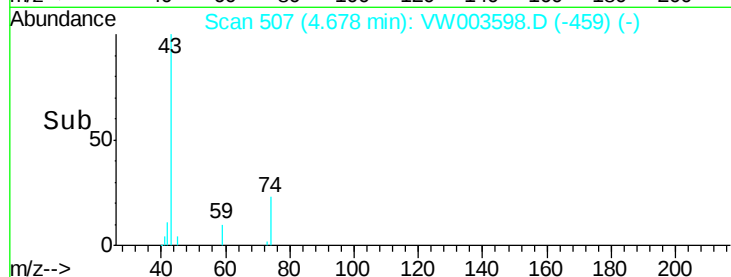
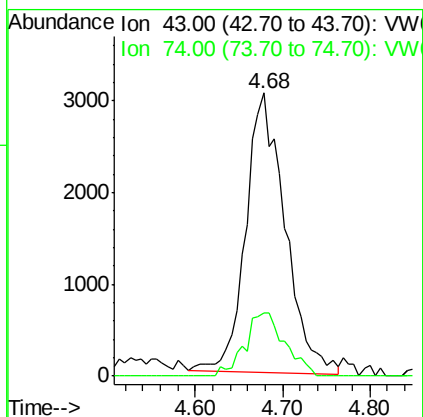
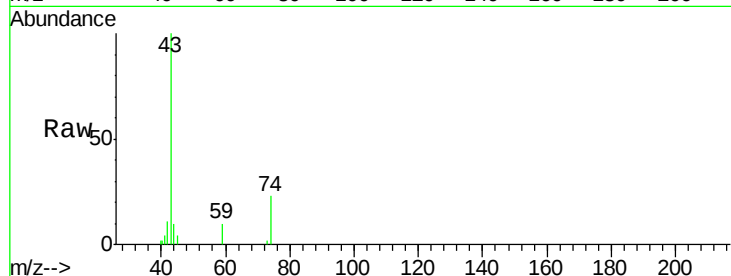




#18
Methyl Acetate
Concen: 21.531 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

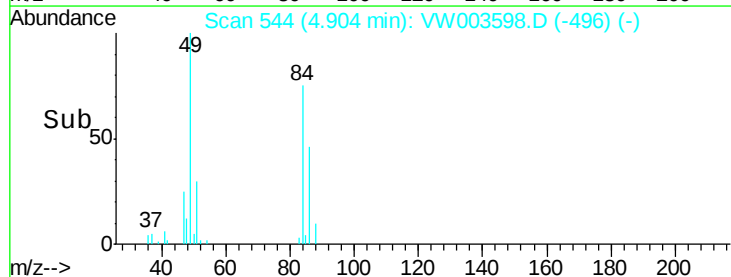
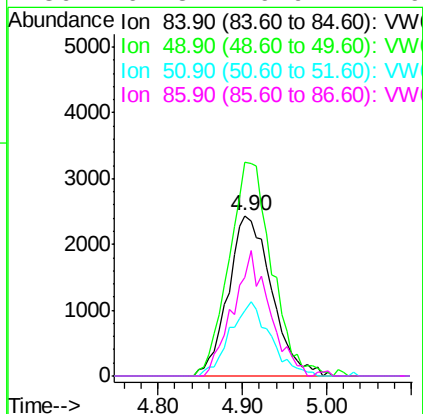
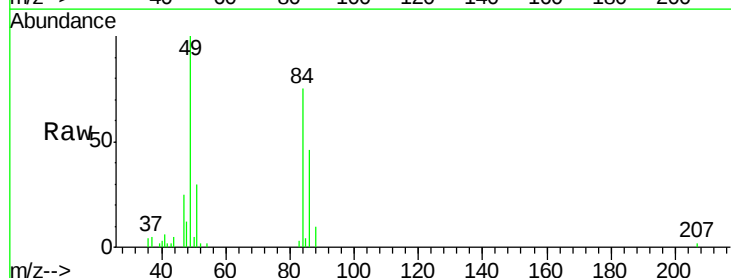
Instrument :
MSVOA_W
ClientSampleId :
EPE-109-6(65-67)

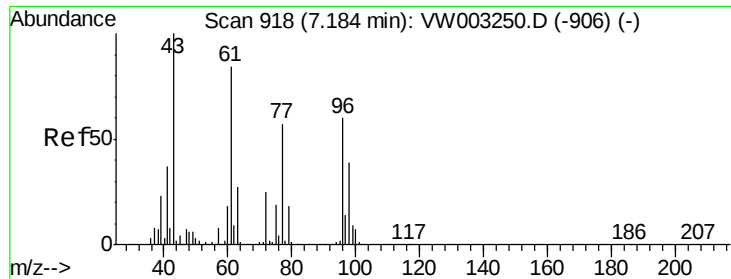
Tgt Ion: 43 Resp: 9524
Ion Ratio Lower Upper
43 100
74 23.0 18.7 28.1



#20
Methylene Chloride
Concen: 7.654 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

Tgt Ion: 84 Resp: 8525
Ion Ratio Lower Upper
84 100
49 133.2 106.3 159.5
51 40.4 32.0 48.0
86 61.8 49.9 74.9





#25

2-Butanone

Concen: 7.858 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

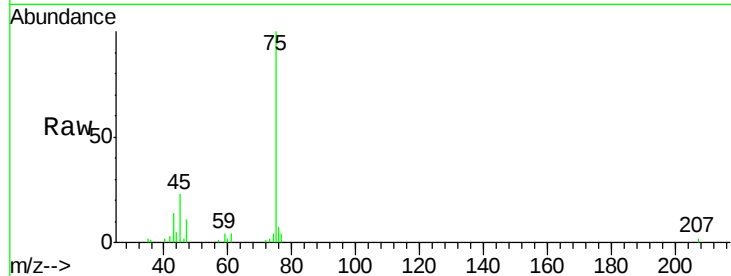
EPE-109-6(65-67)

Tgt Ion: 43 Resp: 1822

Ion Ratio Lower Upper

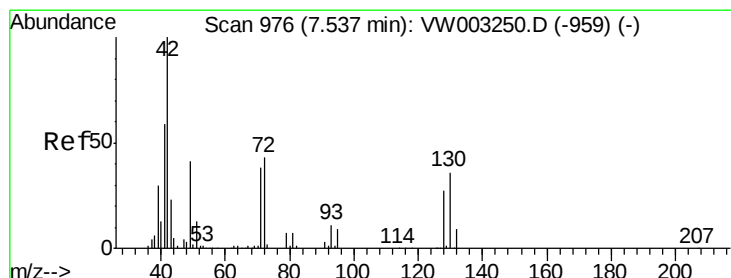
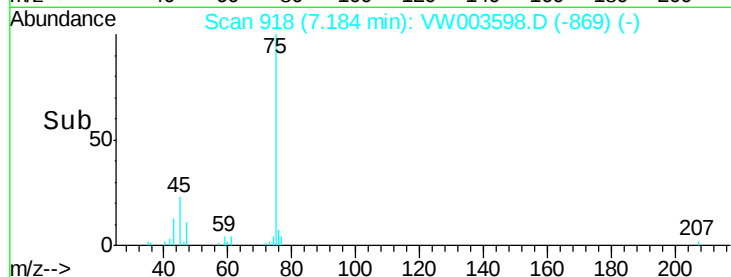
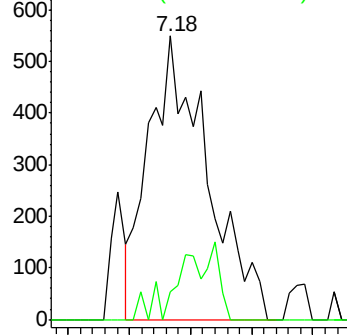
43 100

72 9.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 3.049 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

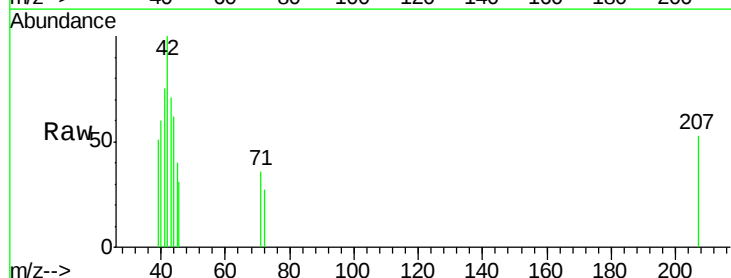
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 14.1 32.4 48.6#

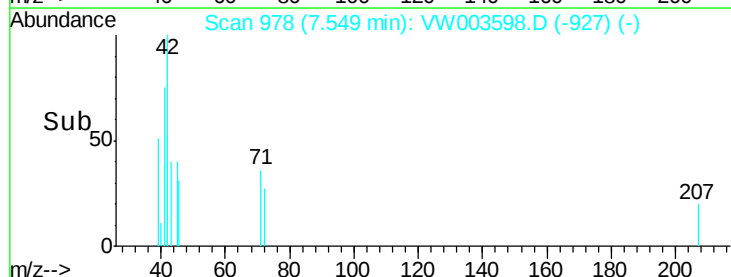
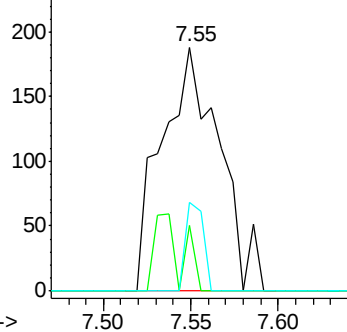
71 10.9 31.2 46.8#

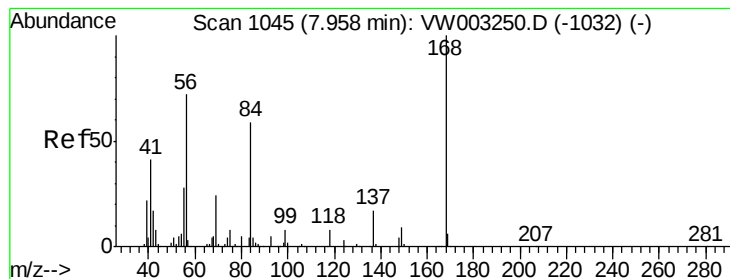


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.604 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

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ClientSampleId :

EPE-109-6(65-67)

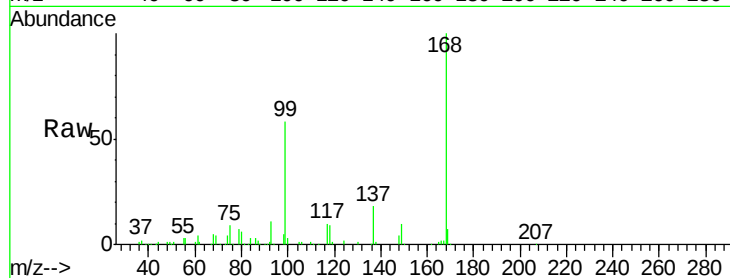
Tgt Ion: 56 Resp: 2305

Ion Ratio Lower Upper

56 100

69 133.5 26.3 39.5#

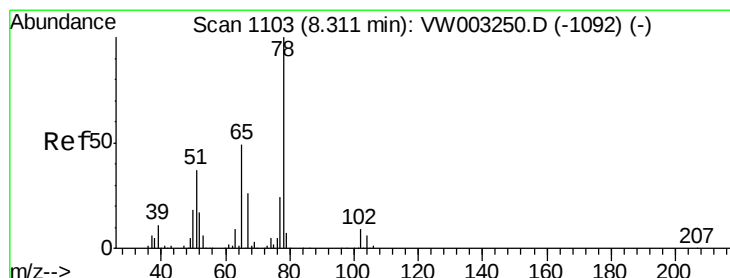
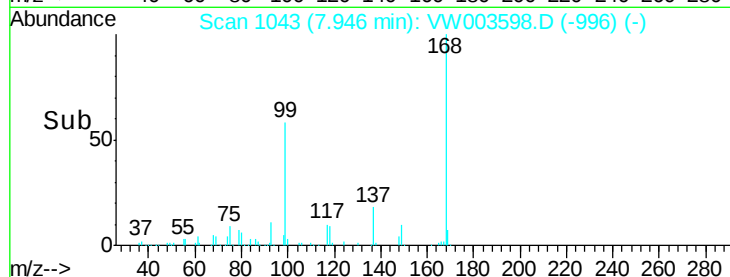
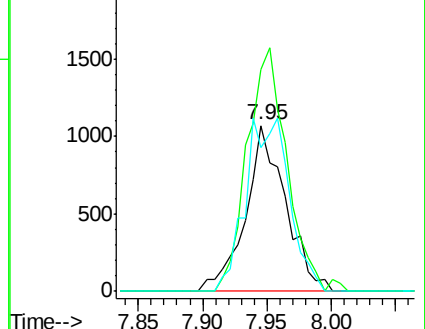
84 86.4 65.7 98.5



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: 30.209 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003598.D

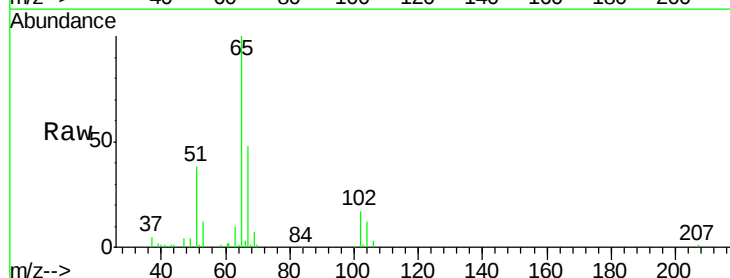
Acq: 27 Jun 2018 04:50

Tgt Ion: 65 Resp: 26858

Ion Ratio Lower Upper

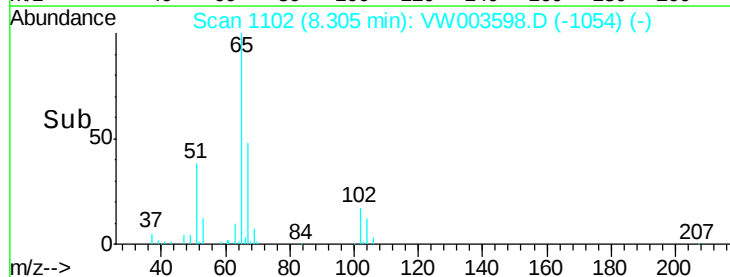
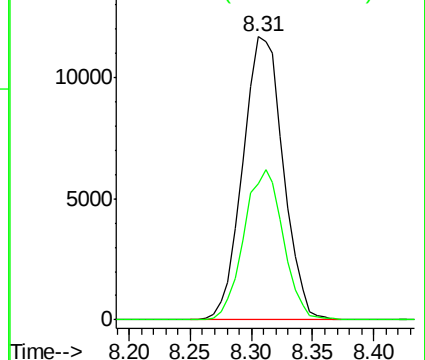
65 100

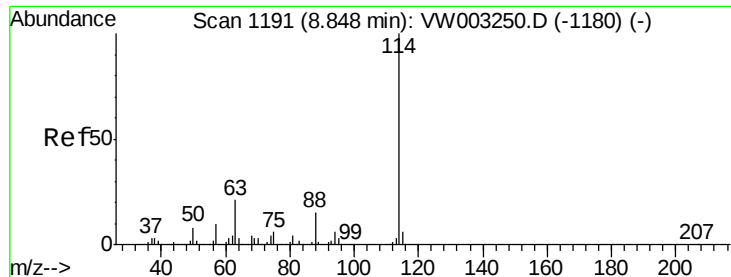
67 51.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

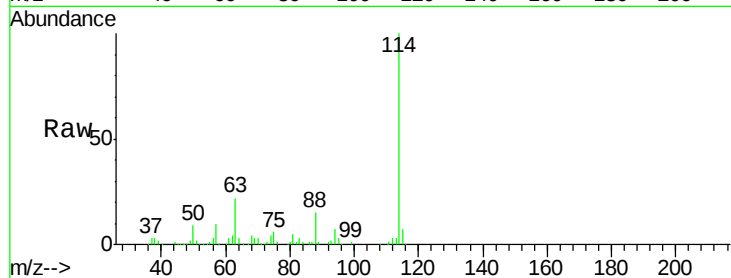




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003598.D
 Acq: 27 Jun 2018 04:50

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-109-6(65-67)

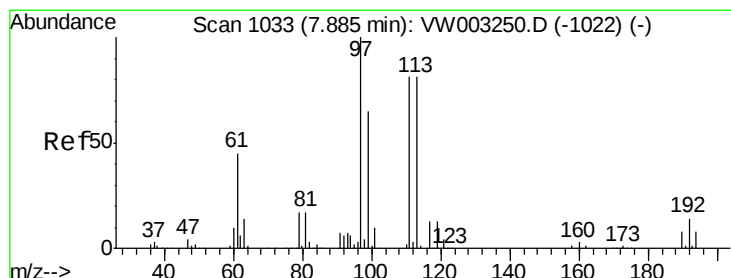
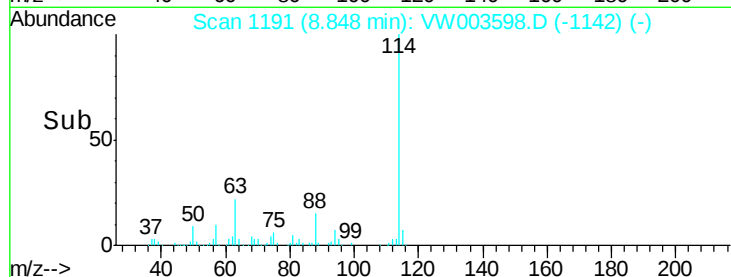
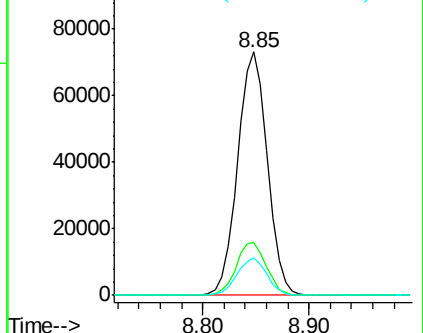
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	15.2	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

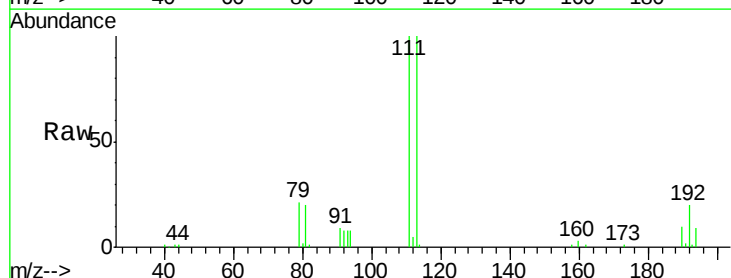
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 28.472 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003598.D
 Acq: 27 Jun 2018 04:50

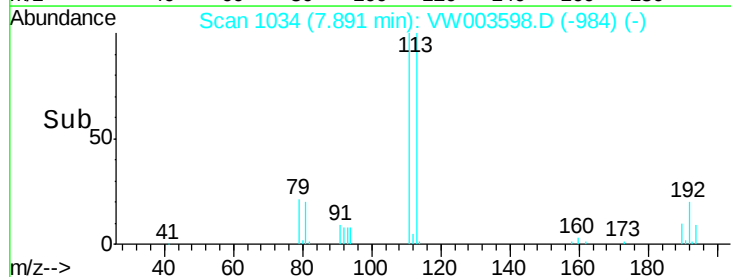
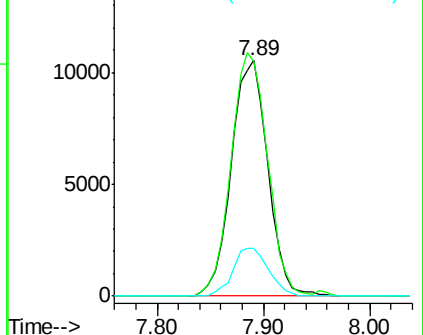
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	19.7	16.2	24.2

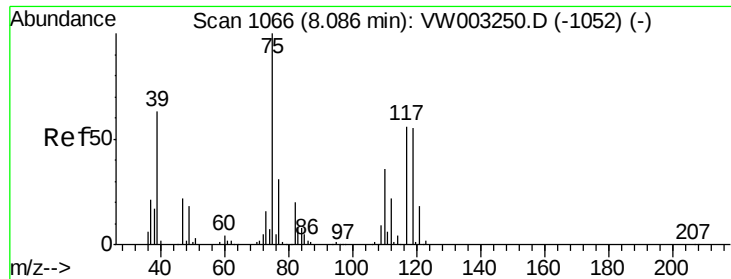


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

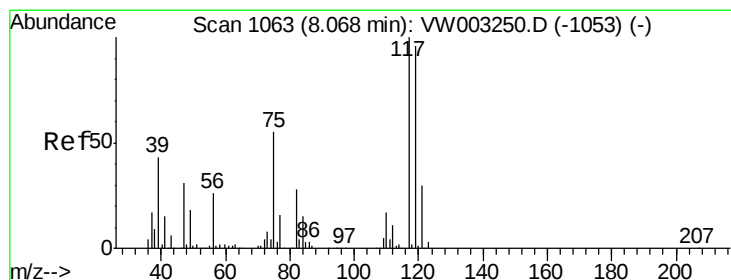
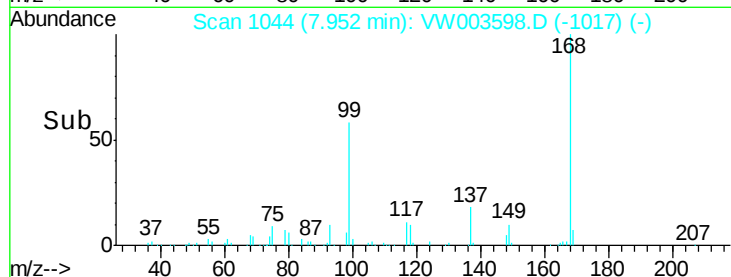
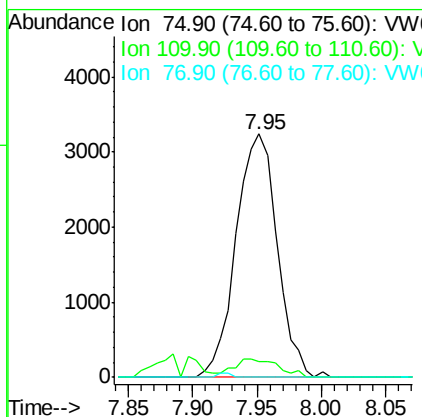
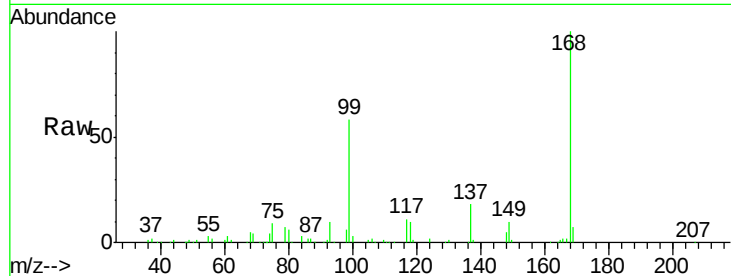




#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003598.D
 Acq: 27 Jun 2018 04:50

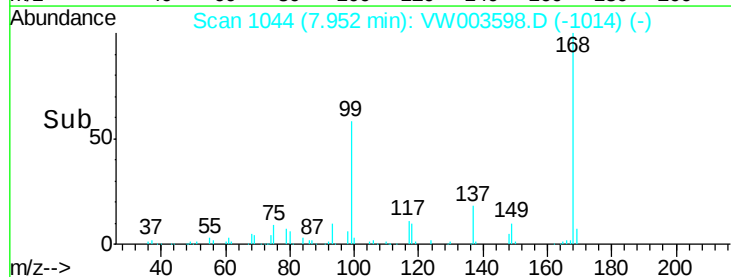
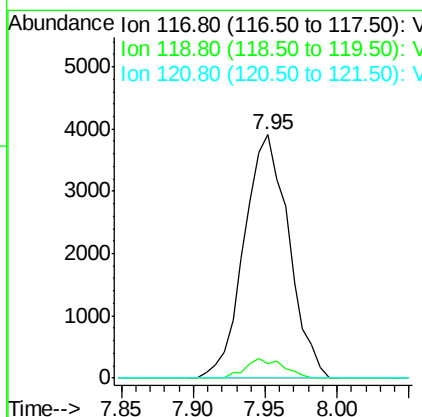
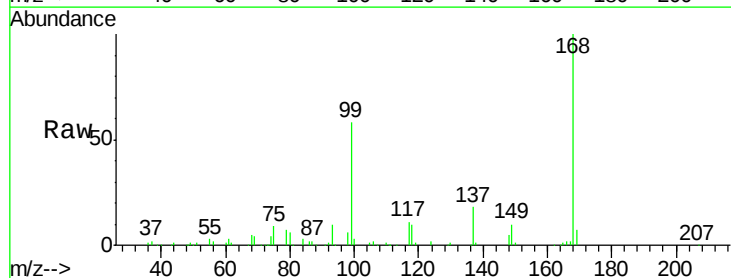
Instrument :
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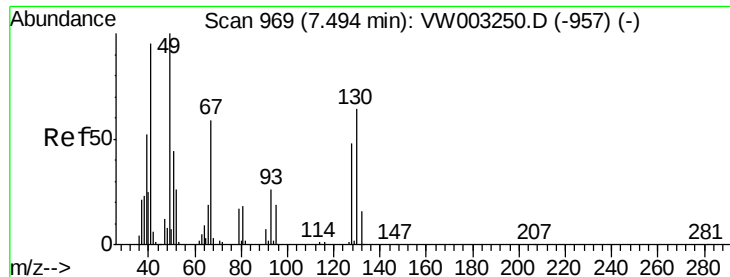
Tgt Ion: 75 Resp: 7172
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003598.D
 Acq: 27 Jun 2018 04:50

Tgt Ion: 117 Resp: 8380
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.6 115.0#
 121 0.0 23.9 35.9#

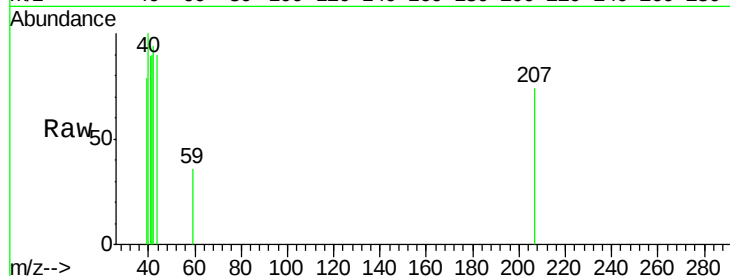




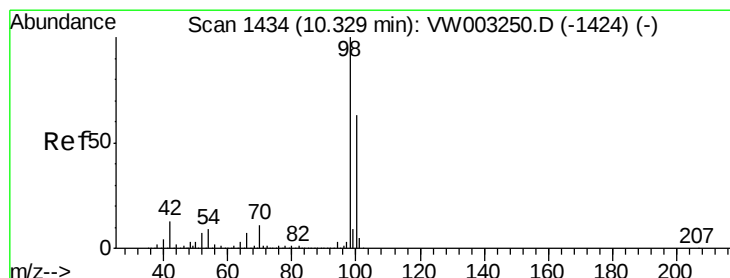
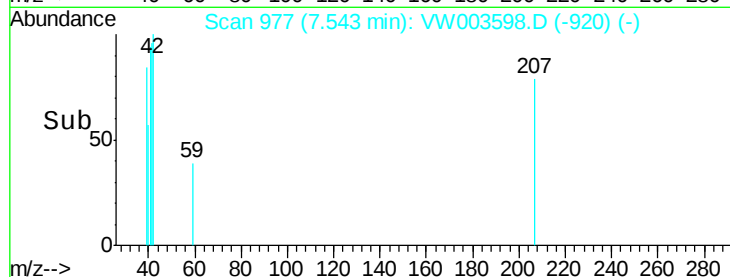
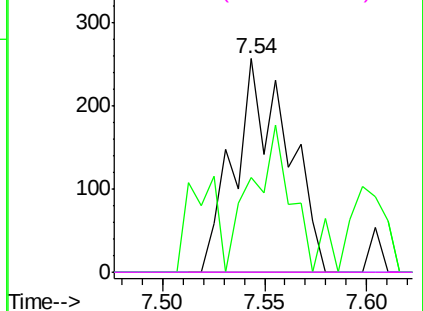
#41
Methacrylonitrile
Concen: 1.323 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.05 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

Instrument :
MSVOA_W
ClientSampleId :
EPE-109-6(65-67)

Tgt Ion: 41 Resp: 466
Ion Ratio Lower Upper
41 100
39 49.4 45.8 68.8
67 0.0 52.3 78.5#
52 0.0 24.1 36.1#

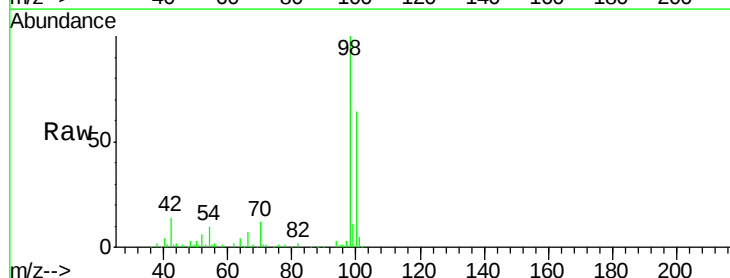


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

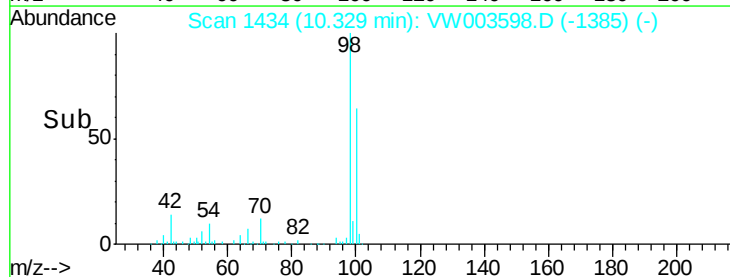
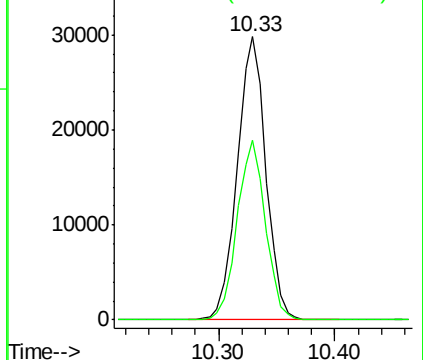


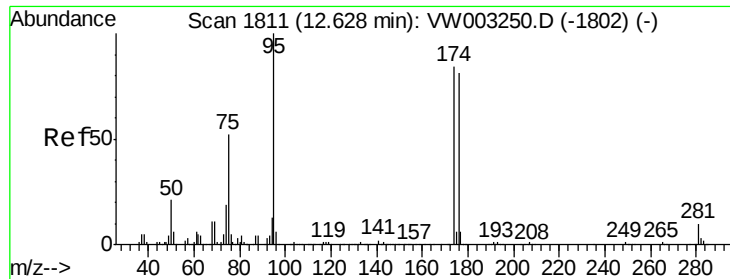
#50
Toluene-d8
Concen: 14.443 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

Tgt Ion: 98 Resp: 51072
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



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

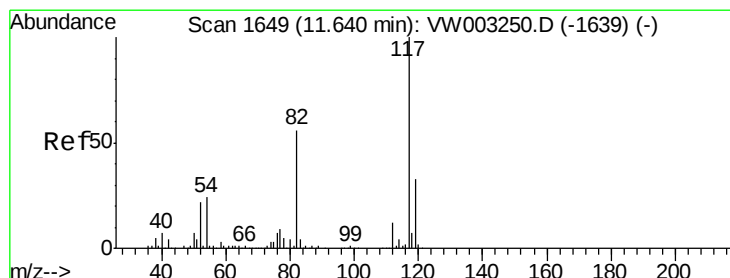
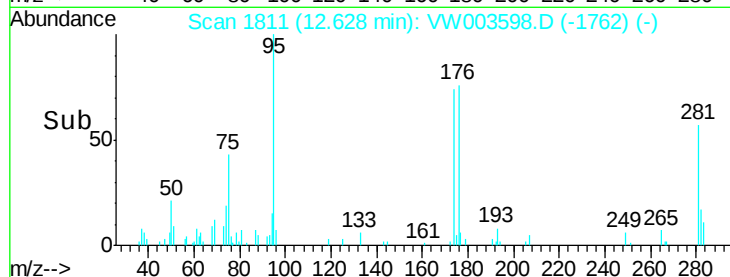
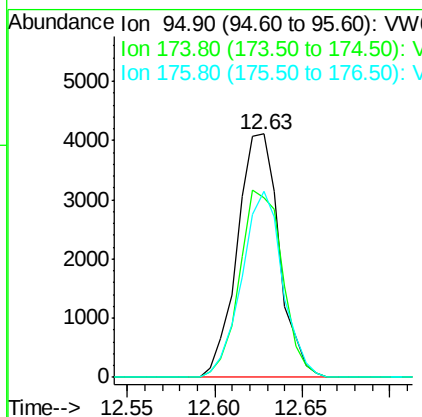
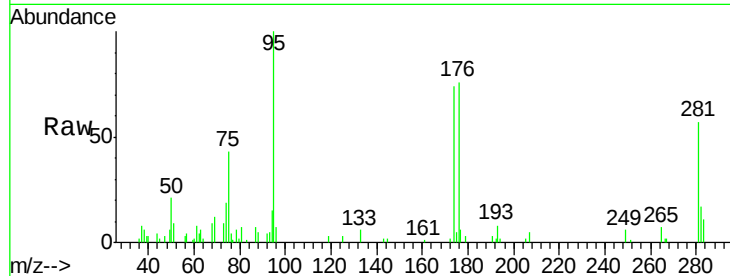




#62
4-Bromofluorobenzene
Concen: 5.474 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

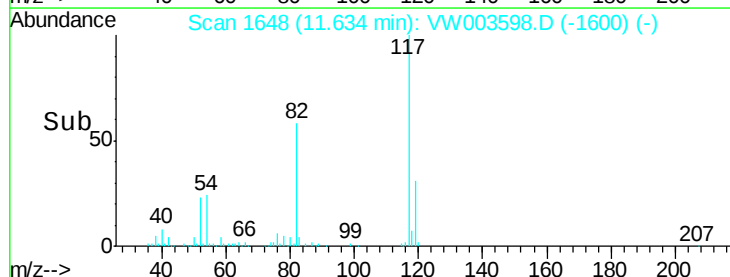
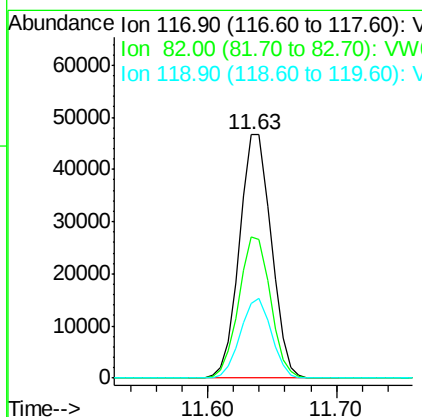
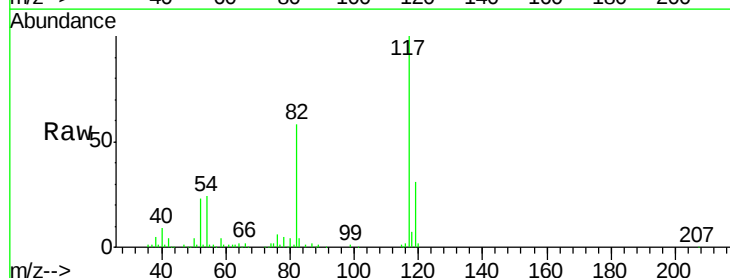
Instrument :
MSVOA_W
ClientSampleId :
EPE-109-6(65-67)

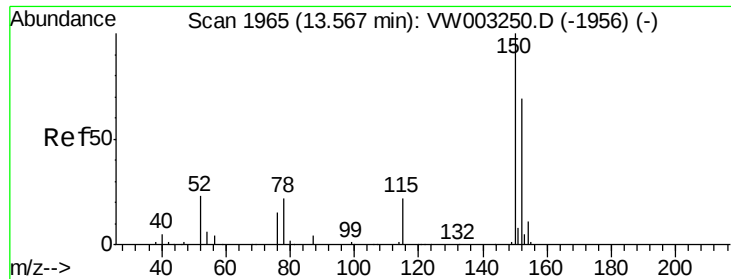
Tgt Ion: 95 Resp: 6850
Ion Ratio Lower Upper
95 100
174 78.7 0.0 166.4
176 74.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003598.D
Acq: 27 Jun 2018 04:50

Tgt Ion: 117 Resp: 79961
Ion Ratio Lower Upper
117 100
82 58.2 44.6 67.0
119 30.6 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

EPE-109-6(65-67)

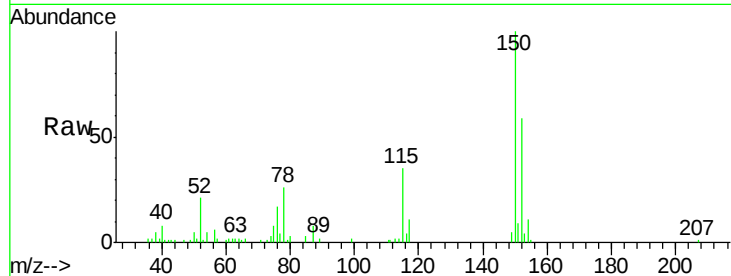
Tgt Ion:152 Resp: 10090

Ion Ratio Lower Upper

152 100

115 59.0 29.3 88.0

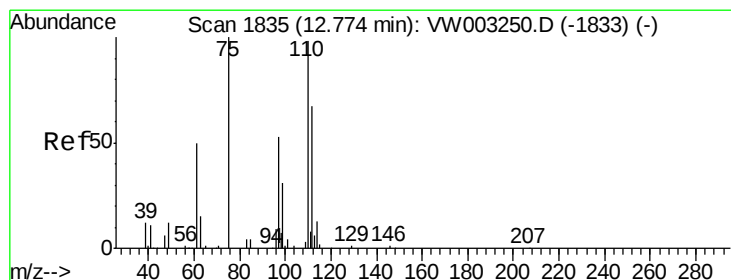
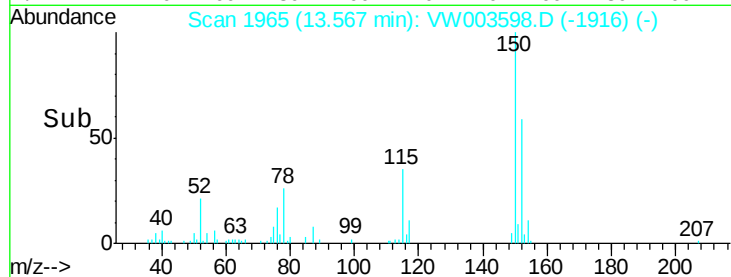
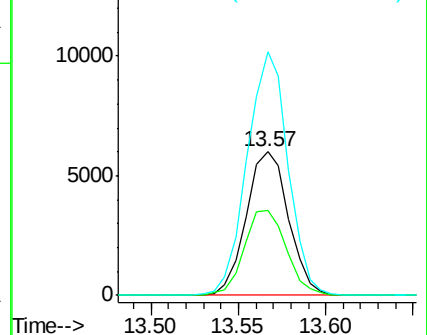
150 163.6 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 41.121 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003598.D

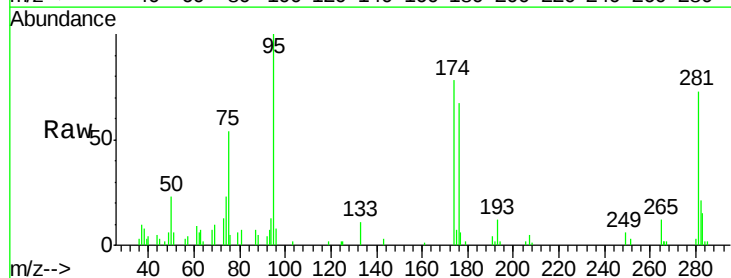
Acq: 27 Jun 2018 04:50

Tgt Ion: 75 Resp: 3547

Ion Ratio Lower Upper

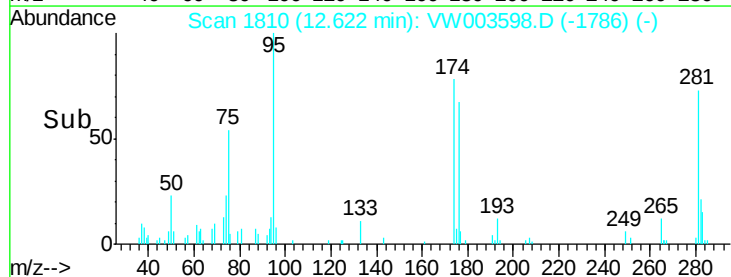
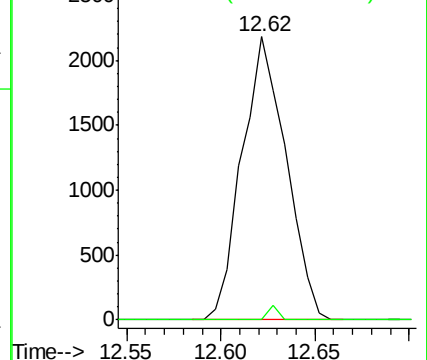
75 100

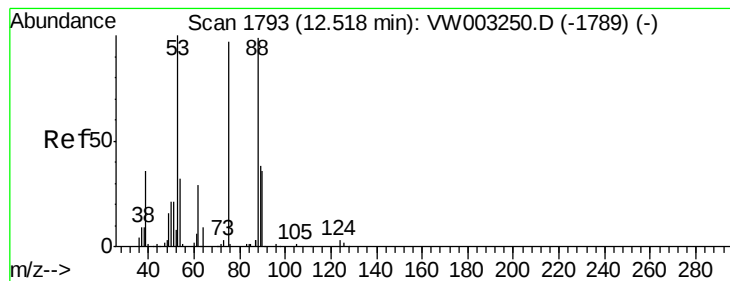
77 1.2 0.0 0.0#



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: 94.621 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003598.D

Acq: 27 Jun 2018 04:50

Instrument :

MSVOA_W

ClientSampleId :

EPE-109-6(65-67)

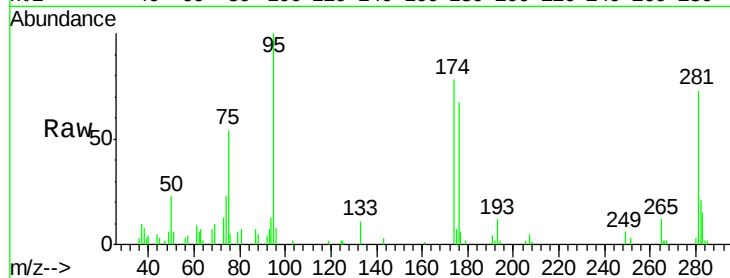
Tgt Ion: 75 Resp: 3547

Ion Ratio Lower Upper

75 100

53 0.0 82.9 124.3#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

