

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005954.D
 Acq On : 09 Oct 2018 22:47
 Operator : SY/AP
 Sample : J5201-01RE
 Misc : 7.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 10 01:21:59 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	7.95	168	237131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	363579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	135138	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
35) Dibromofluoromethane	7.88	113	129257	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
50) Toluene-d8	10.33	98	448324	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.62	95	145449	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	

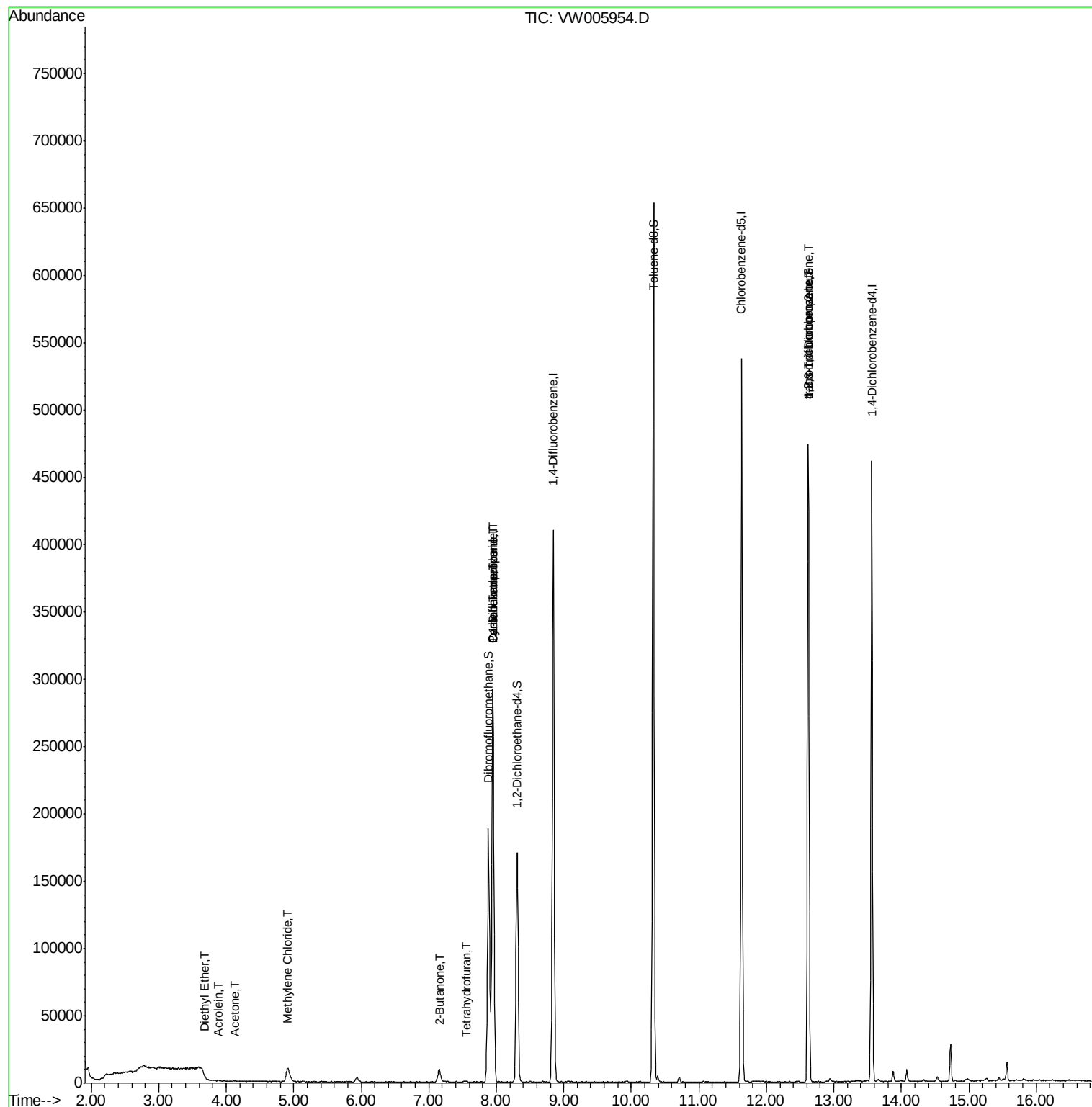
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1126	1.062	ug/l	73
13) Acrolein	3.88	56	159	1.058	ug/l #	33
16) Acetone	4.13	43	1093	2.377	ug/l	94
20) Methylene Chloride	4.91	84	10089	4.379	ug/l	92
25) 2-Butanone	7.16	43	994	1.520	ug/l #	49
29) Tetrahydrofuran	7.55	42	564	1.364	ug/l #	62
31) Cyclohexane	7.95	56	4396	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15841	4.547	ug/l #	48
38) Carbon Tetrachloride	7.95	117	21622	5.777	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	74347	64.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74347	135.881	ug/l #	11

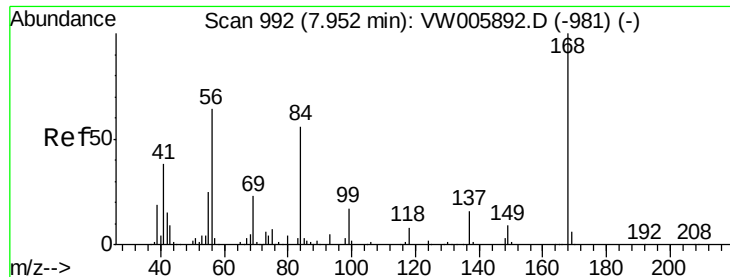
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

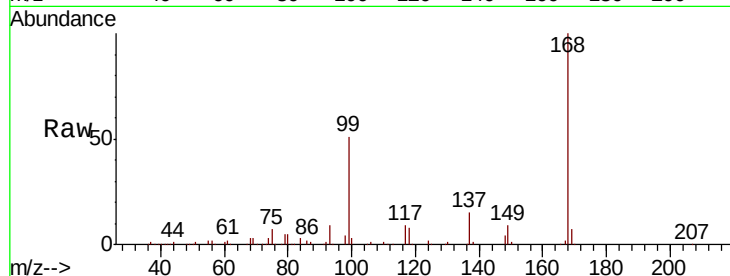
EO-02-100818-A

Tgt Ion:168 Resp: 237131

Ion Ratio Lower Upper

168 100

99 51.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

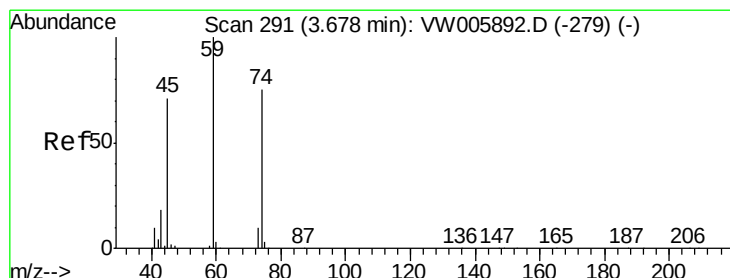
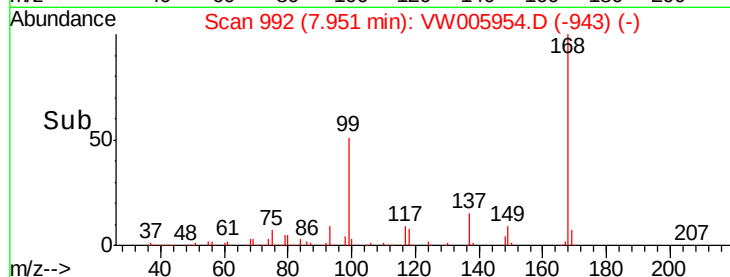
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.062 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005954.D

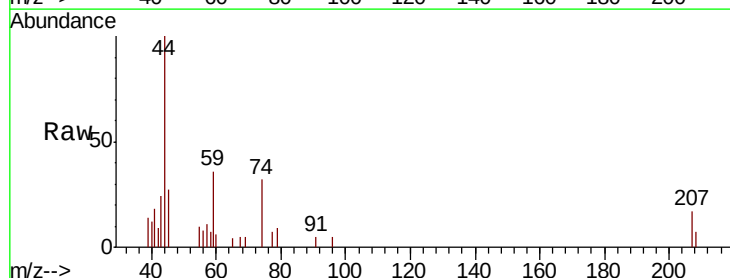
Acq: 09 Oct 2018 22:47

Tgt Ion: 74 Resp: 1126

Ion Ratio Lower Upper

74 100

45 119.9 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

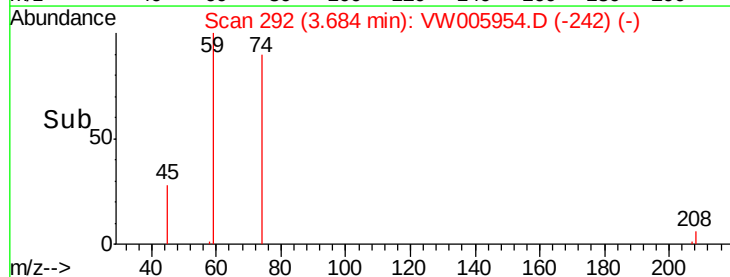
300

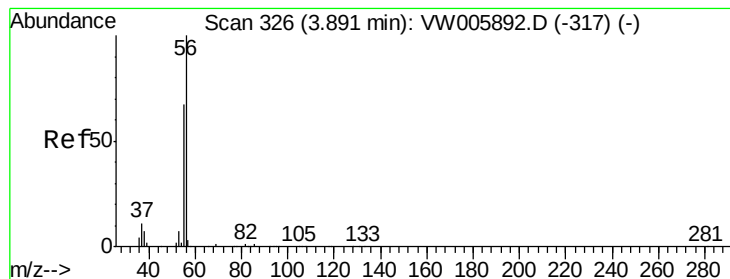
200

100

0

Time--> 3.60 3.65 3.70 3.75





#13

Acrolein

Concen: 1.058 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

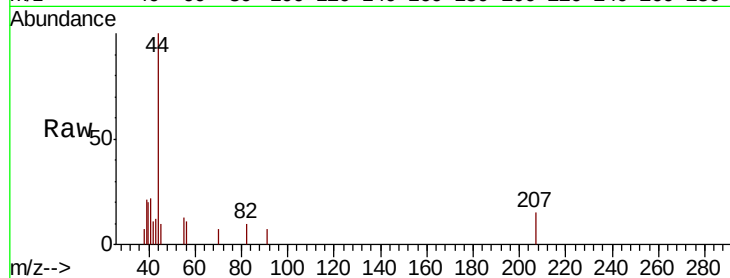
EO-02-100818-A

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

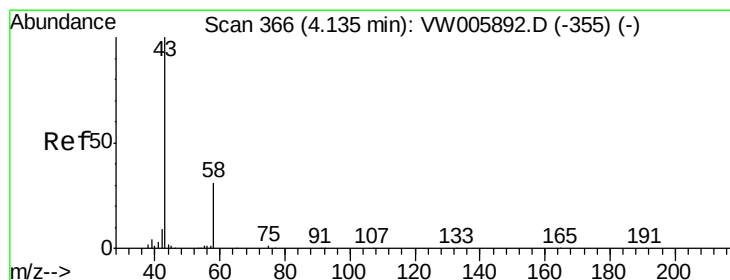
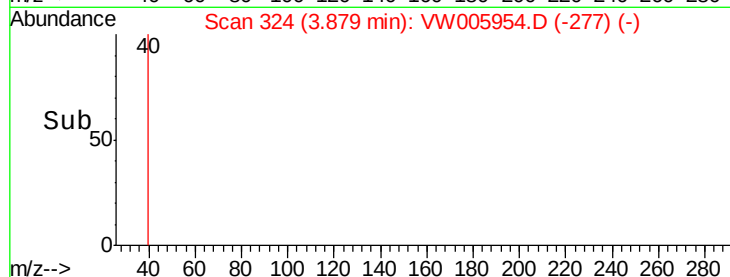
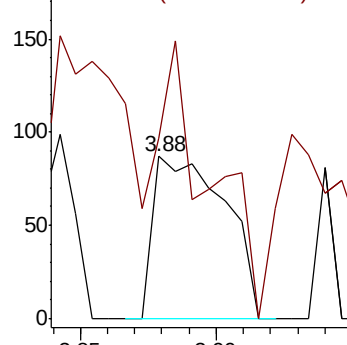
56 100

55 122.6 54.6 82.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 2.377 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005954.D

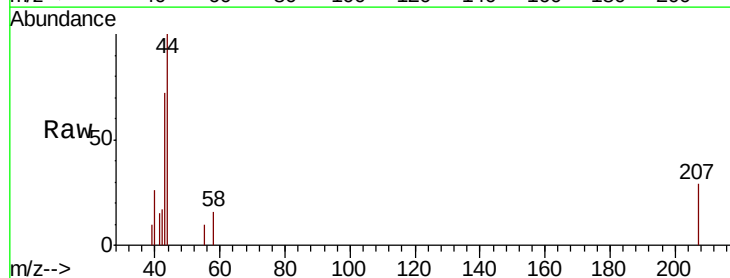
Acq: 09 Oct 2018 22:47

Tgt Ion: 43 Resp: 1093

Ion Ratio Lower Upper

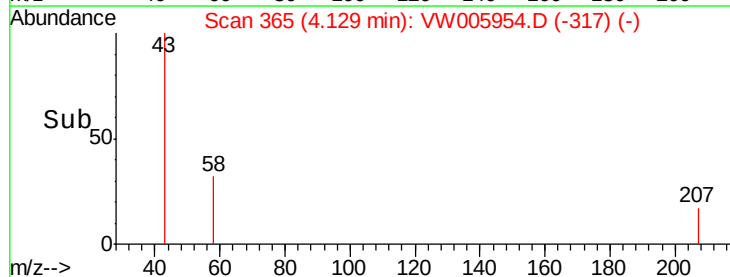
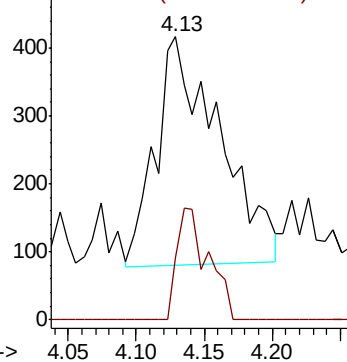
43 100

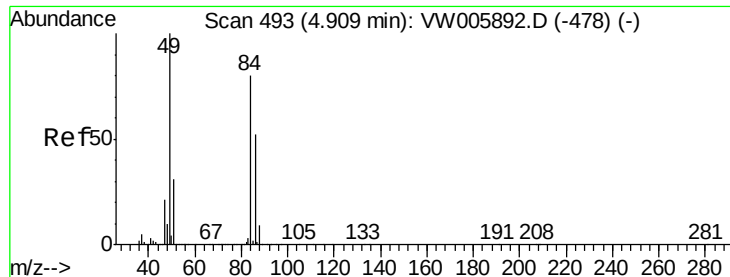
58 27.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

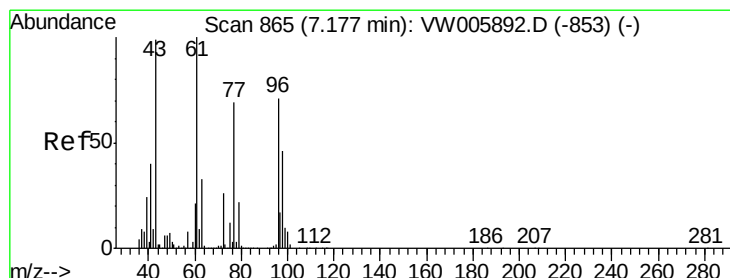
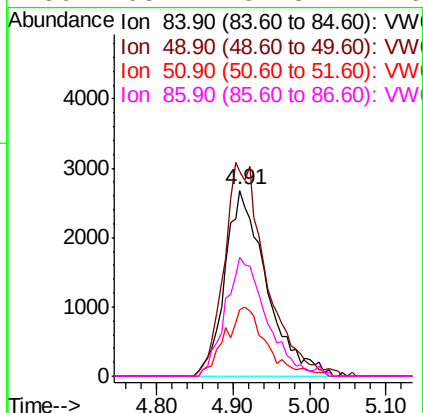
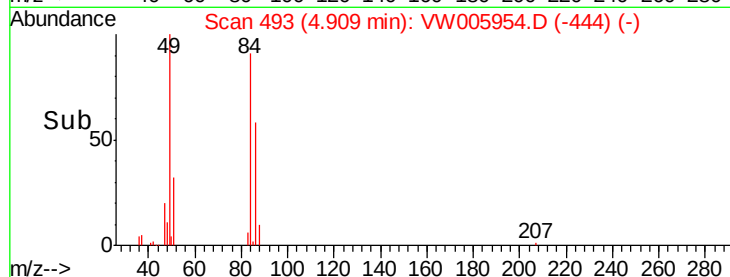
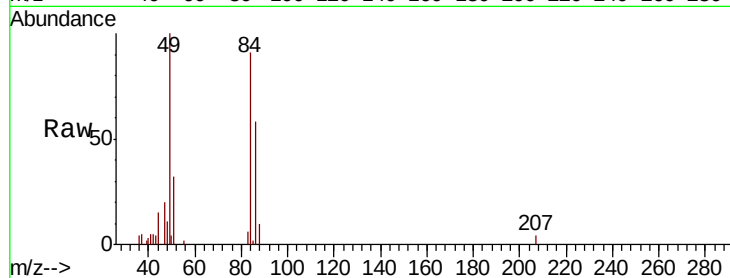




#20
Methylene Chloride
Concen: 4.379 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW005954.D
Acq: 09 Oct 2018 22:47

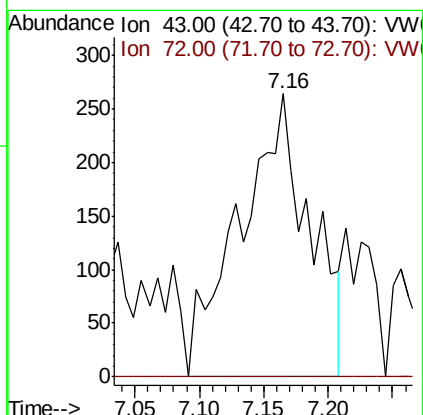
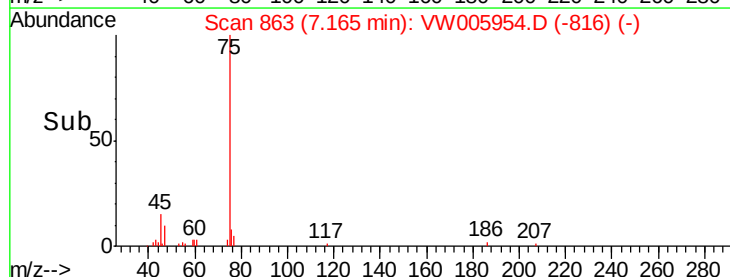
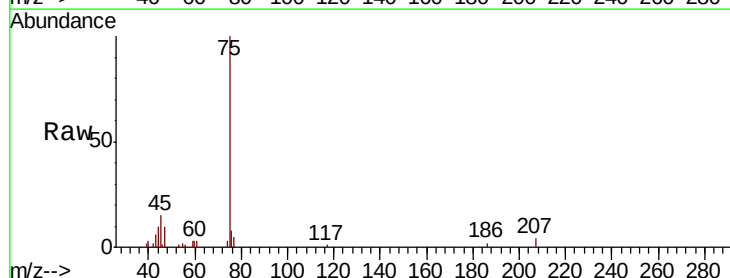
Instrument :
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EO-02-100818-A

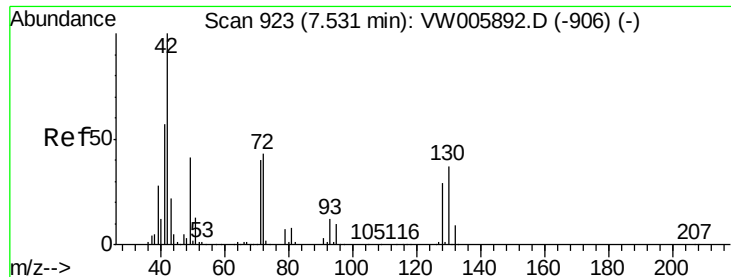
Tgt Ion:	84	Resp:	10089
Ion	Ratio	Lower	Upper
84	100		
49	110.3	99.9	149.9
51	35.5	31.1	46.7
86	63.7	51.8	77.6



#25
2-Butanone
Concen: 1.520 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW005954.D
Acq: 09 Oct 2018 22:47

Tgt Ion:	43	Resp:	994
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#





#29

Tetrahydrofuran

Concen: 1.364 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-A

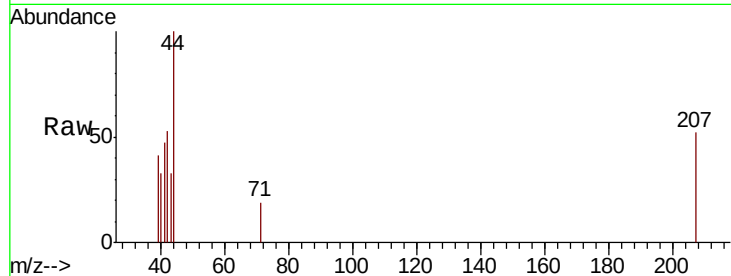
Tgt Ion: 42 Resp: 564

Ion Ratio Lower Upper

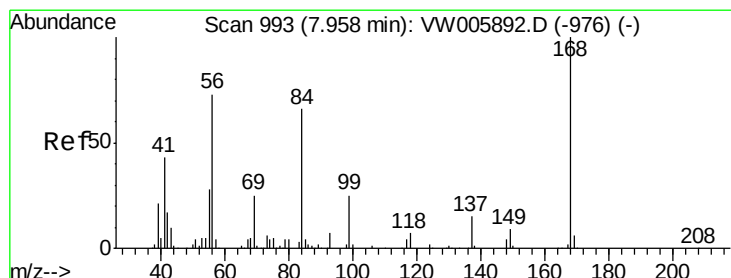
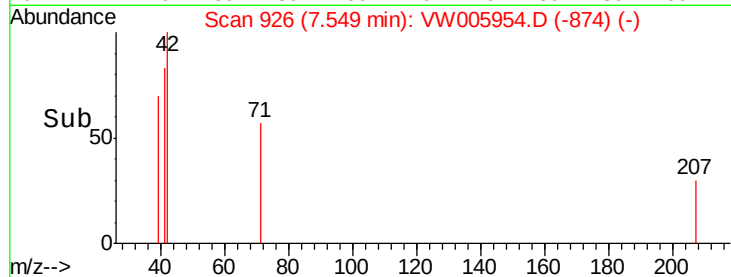
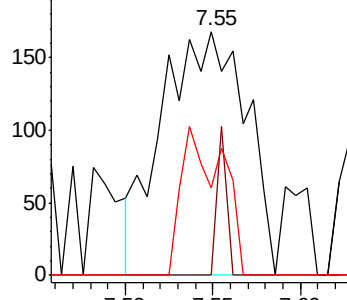
42 100

72 6.7 34.6 51.8#

71 29.4 32.6 49.0#



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: 1.091 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

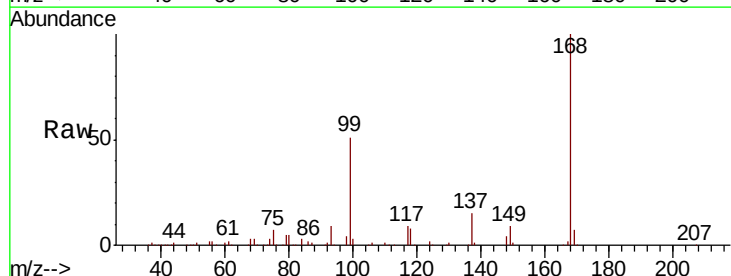
Tgt Ion: 56 Resp: 4396

Ion Ratio Lower Upper

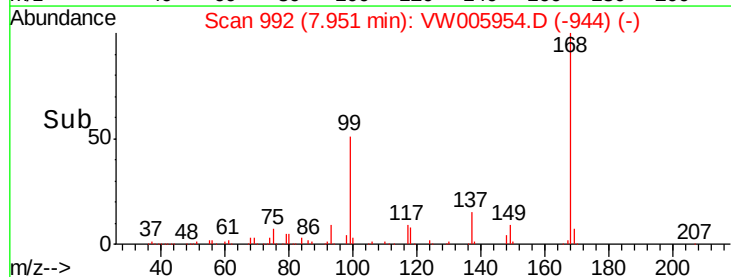
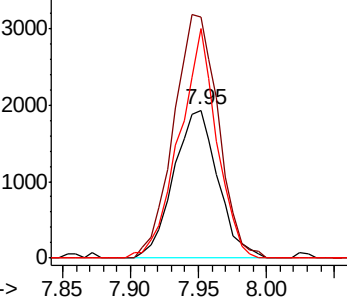
56 100

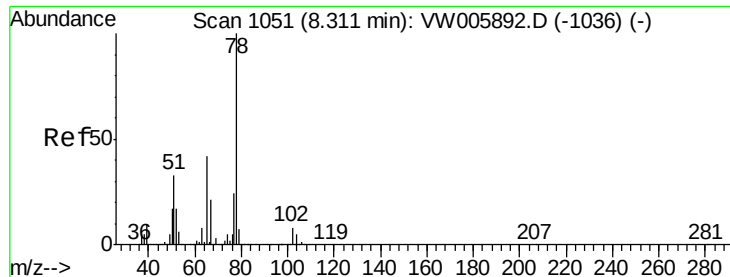
69 162.3 27.9 41.9#

84 155.2 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

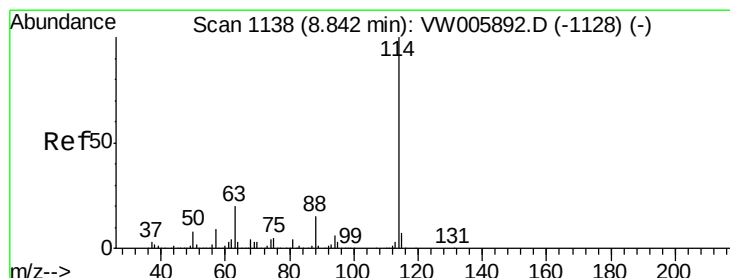
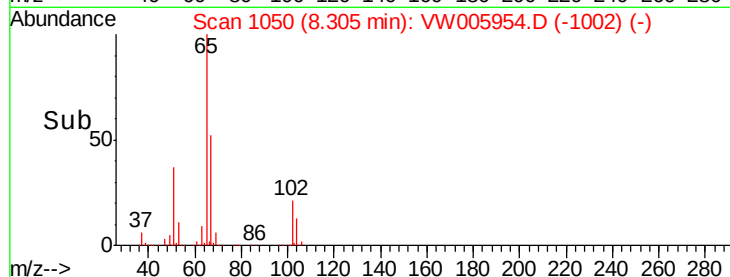
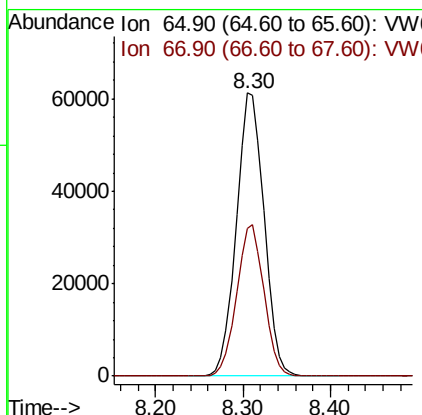
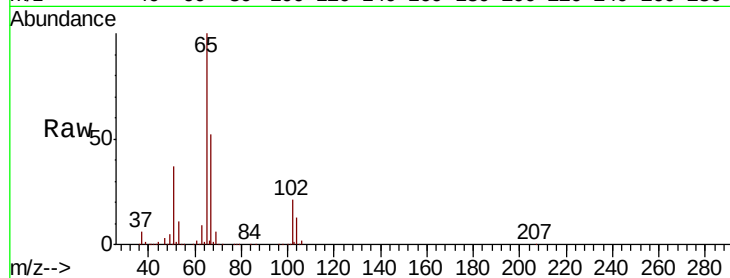




#33
 1,2-Dichloroethane-d4
 Concen: 58.704 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

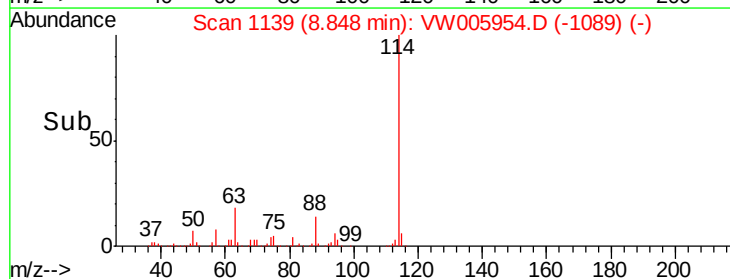
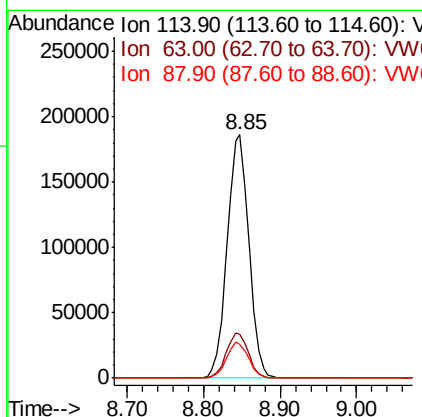
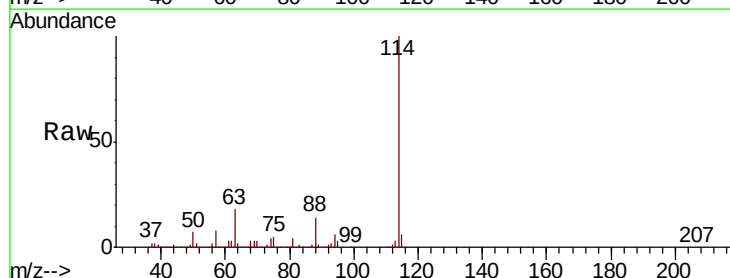
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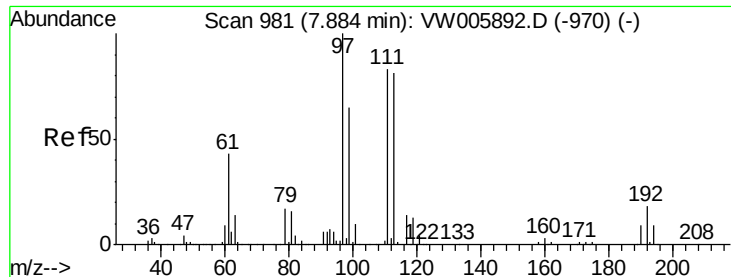
Tgt Ion: 65 Resp: 135138
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

Tgt Ion: 114 Resp: 363579
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.2
 88 14.0 0.0 30.8

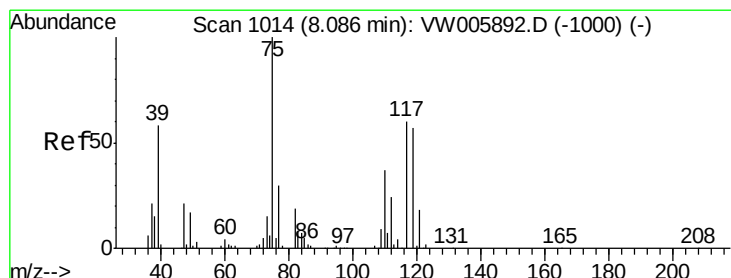
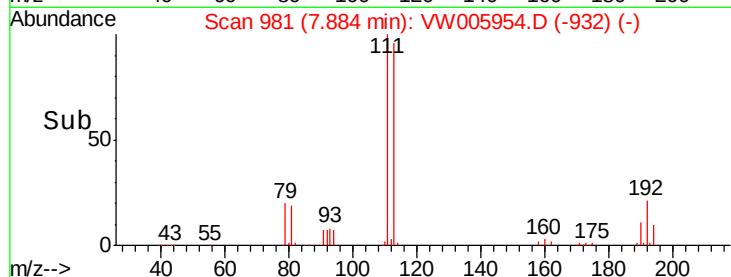
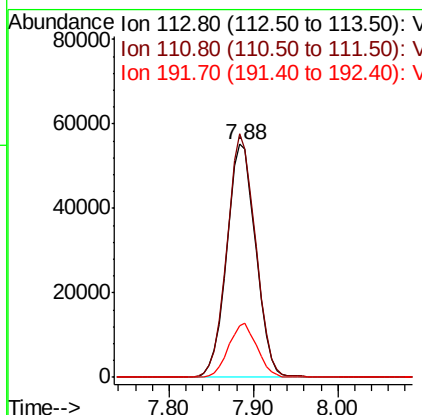
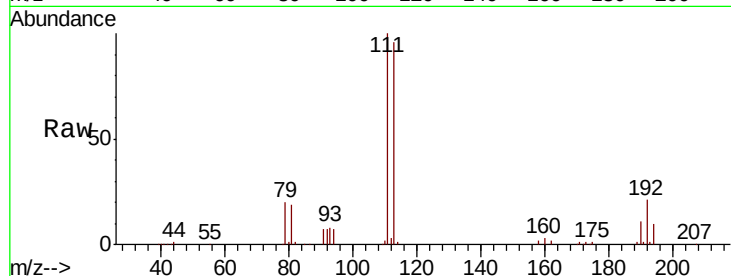




#35
 Dibromofluoromethane
 Concen: 55.683 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

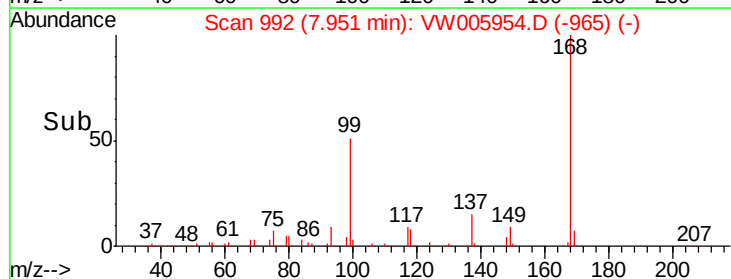
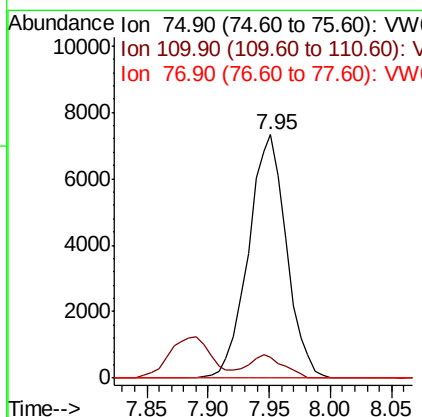
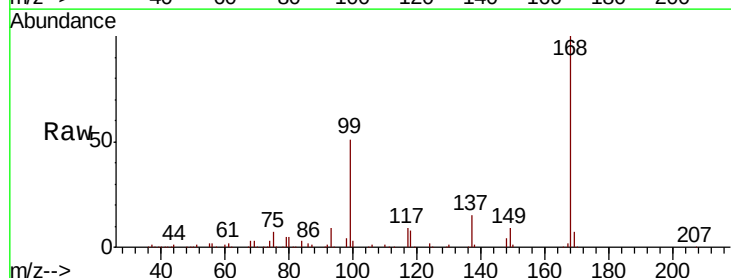
Instrument :
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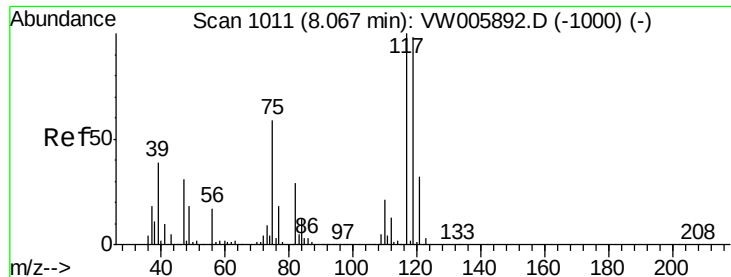
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	22.6	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.6	56.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-A

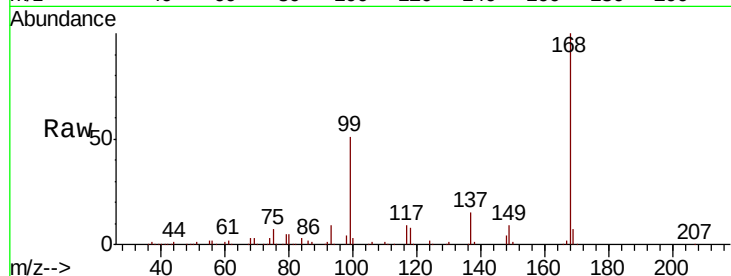
Tgt Ion:117 Resp: 21622

Ion Ratio Lower Upper

117 100

119 4.3 78.6 117.8#

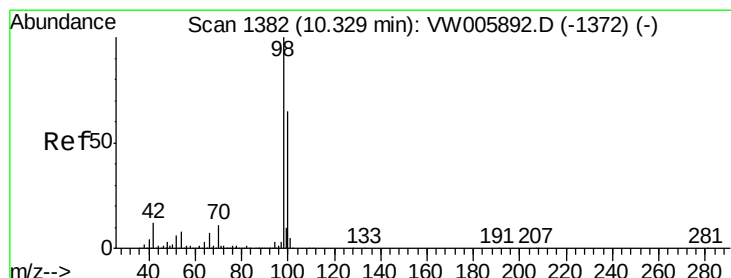
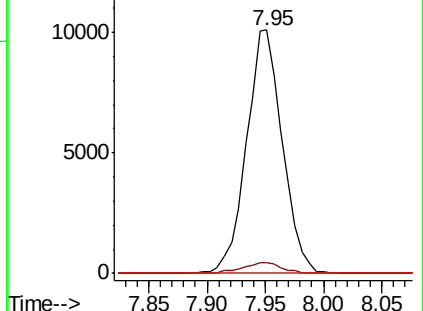
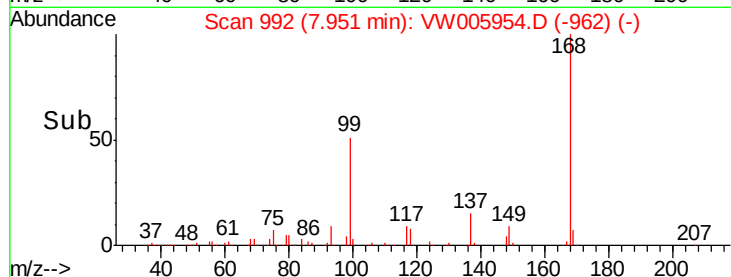
121 0.0 25.3 37.9#



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



#50

Toluene-d8

Concen: 50.199 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005954.D

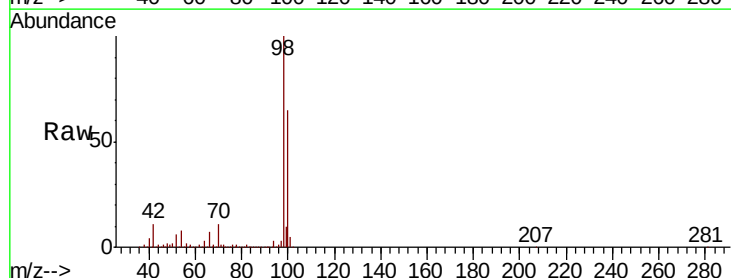
Acq: 09 Oct 2018 22:47

Tgt Ion: 98 Resp: 448324

Ion Ratio Lower Upper

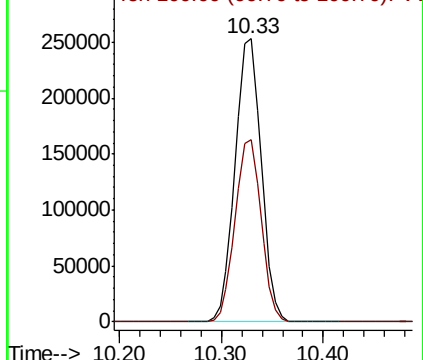
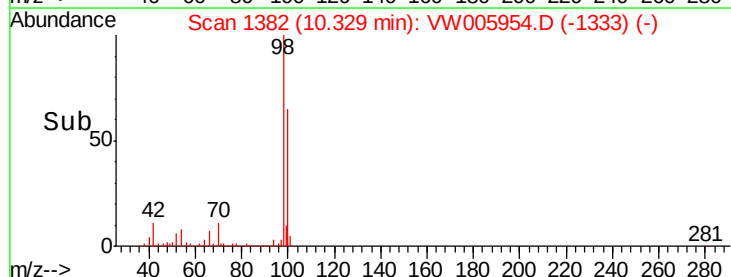
98 100

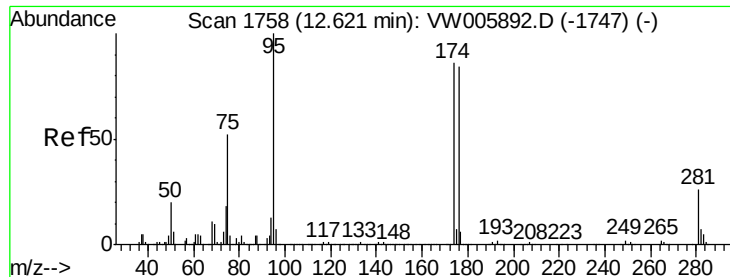
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.805 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-A

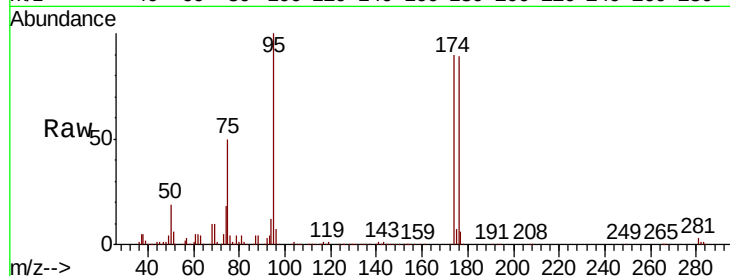
Tgt Ion: 95 Resp: 145449

Ion Ratio Lower Upper

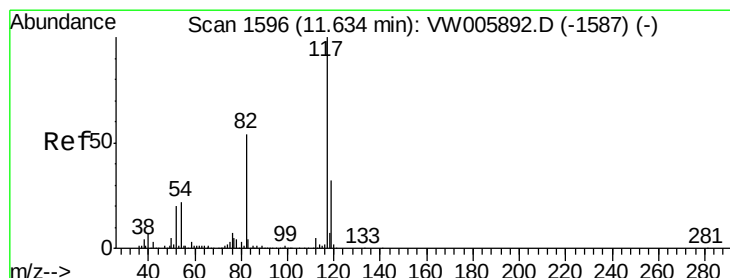
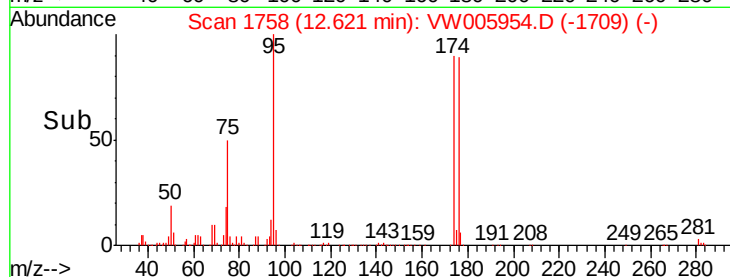
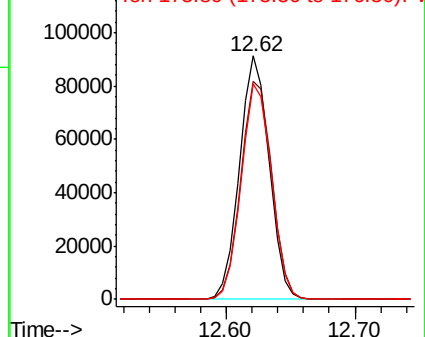
95 100

174 93.0 0.0 176.4

176 90.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

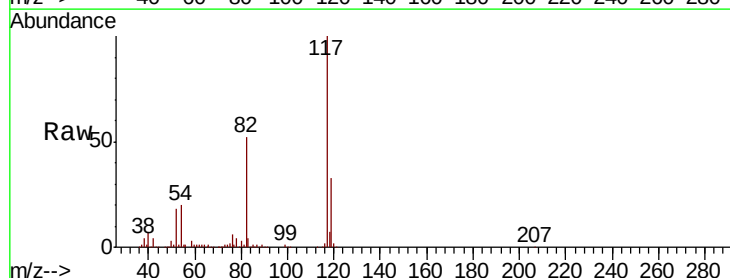
Tgt Ion: 117 Resp: 305271

Ion Ratio Lower Upper

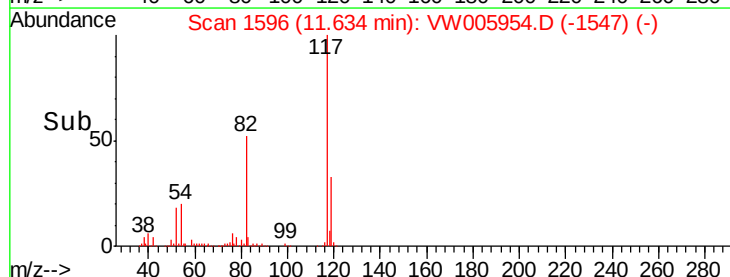
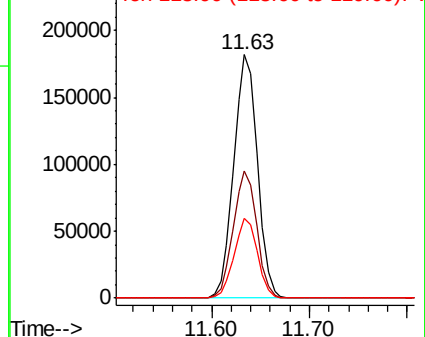
117 100

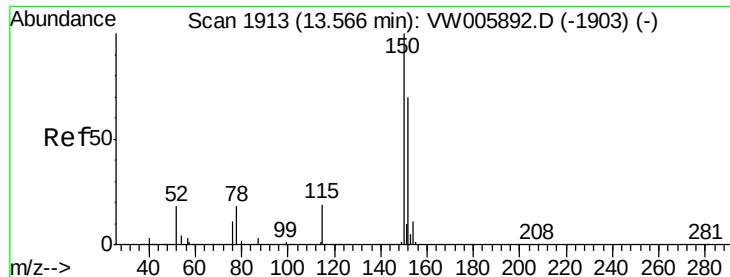
82 52.4 43.5 65.3

119 32.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW

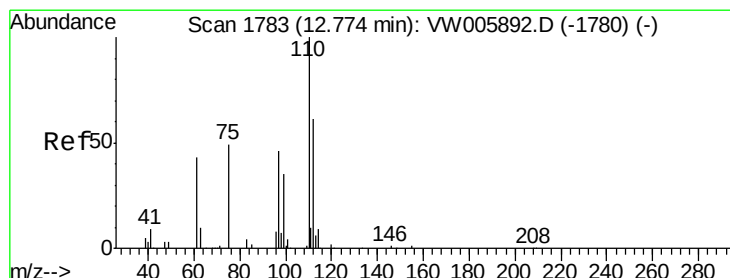
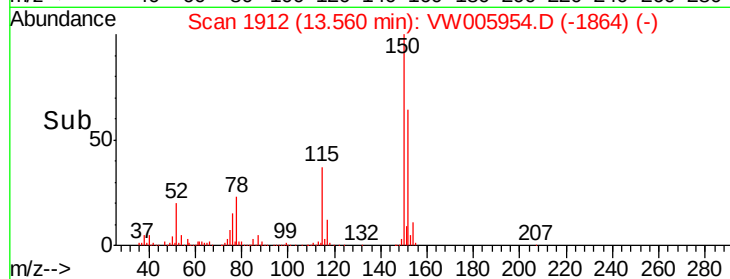
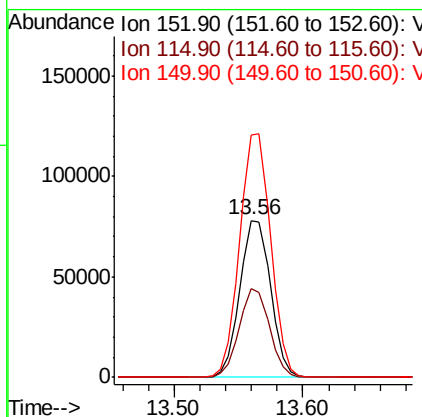
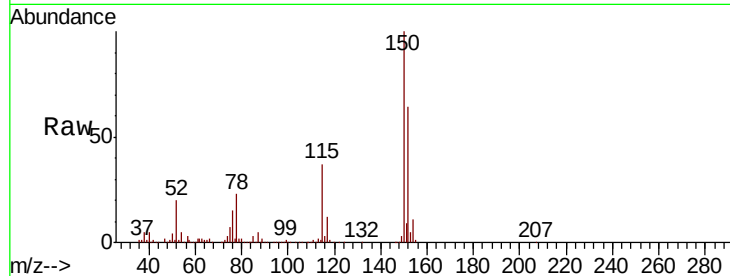




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

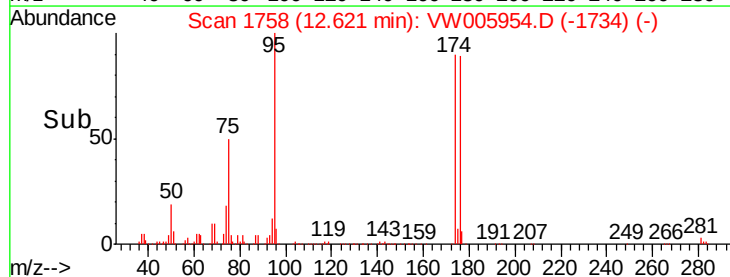
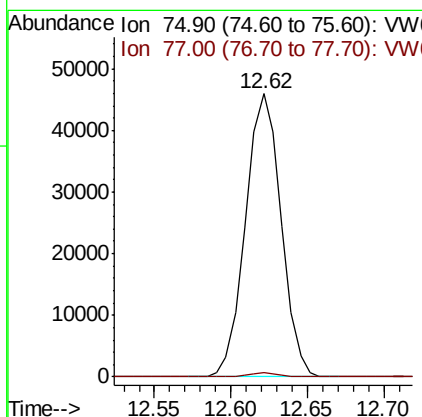
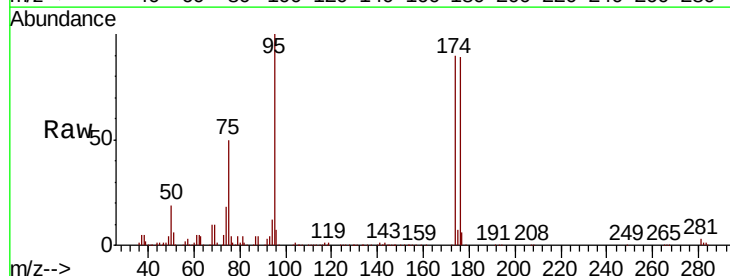
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-100818-A

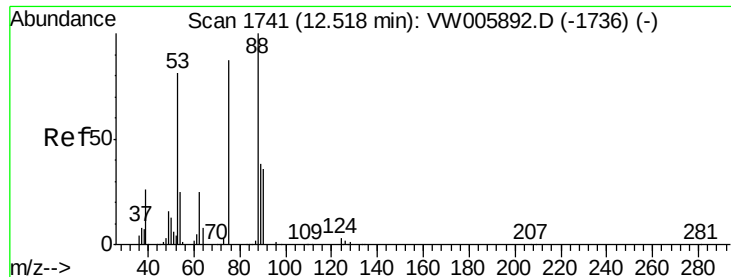
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.3	85.0
150	156.2	0.0	349.2



#76
 1,2,3-Trichloropropane
 Concen: 64.365 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005954.D
 Acq: 09 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.881 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005954.D

Acq: 09 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-100818-A

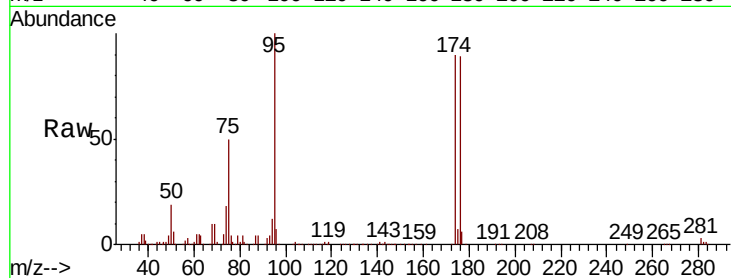
Tgt Ion: 75 Resp: 74347

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#



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

