

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005952.D
 Acq On : 09 Oct 2018 21:56
 Operator : SY/AP
 Sample : J5200-05RE
 Misc : 6.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-100818-A

Quant Time: Oct 10 01:21:37 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	273885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136796	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	131829	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	385341	38.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.70%	
62) 4-Bromofluorobenzene	12.62	95	157895	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	

Target Compounds

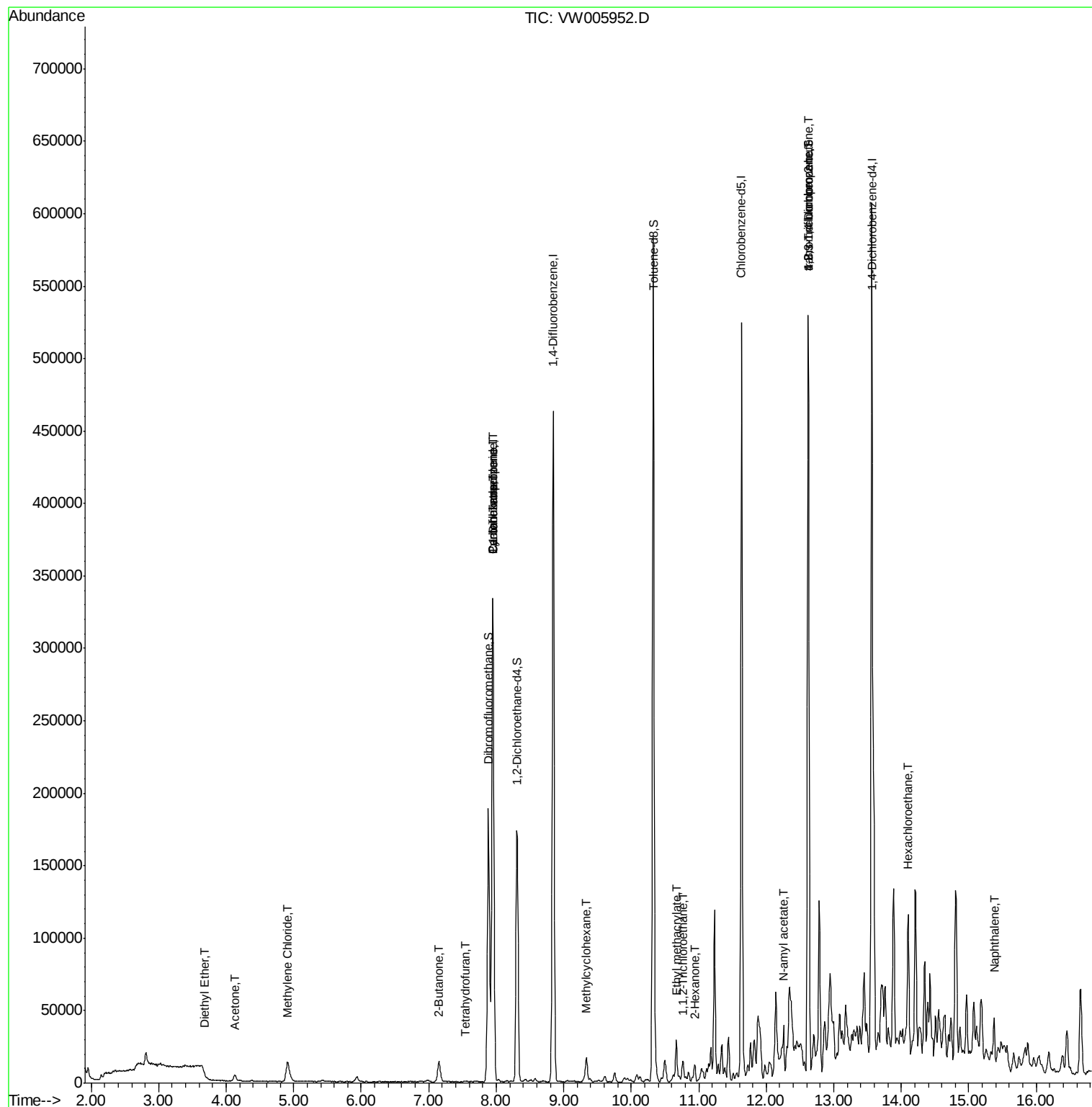
						Qvalue
8) Diethyl Ether	3.68	74	1749	1.428	ug/l	67
16) Acetone	4.13	43	7835	14.753	ug/l	92
20) Methylene Chloride	4.90	84	11981	4.503	ug/l	90
25) 2-Butanone	7.15	43	1444	1.912	ug/l #	49
29) Tetrahydrofuran	7.55	42	705	1.476	ug/l #	60
31) Cyclohexane	7.95	56	6543	1.406	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	18455	4.708	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25198	5.983	ug/l #	14
39) Methylcyclohexane	9.34	83	6582	1.273	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	5929	2.900	ug/l #	23
56) Ethyl methacrylate	10.66	69	3036	1.102	ug/l #	2
59) 2-Hexanone	10.94	43	4608	3.806	ug/l #	34
74) N-amyl acetate	12.26	43	7484	2.677	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	79247	55.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79247	116.190	ug/l #	11
90) Hexachloroethane	14.10	117	4618	2.200	ug/l #	5
95) Naphthalene	15.38	128	26437	4.021	ug/l	99

(#) = 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: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

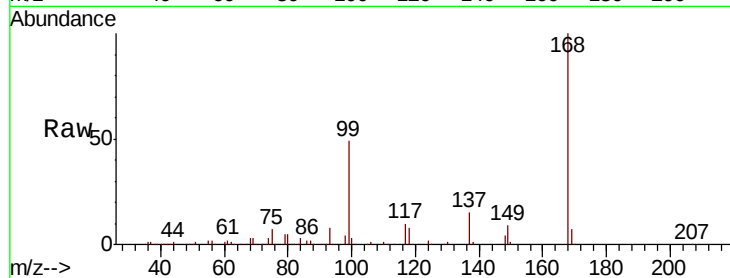
OR-03-100818-A

Tgt Ion:168 Resp: 273885

Ion Ratio Lower Upper

168 100

99 49.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

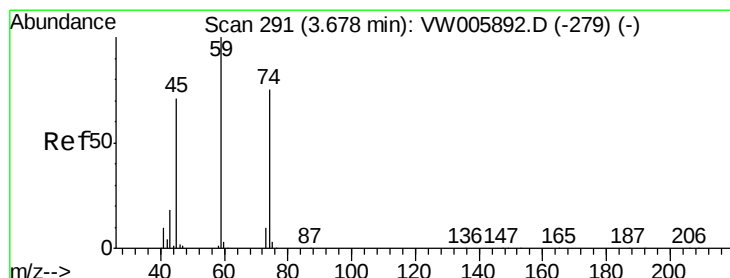
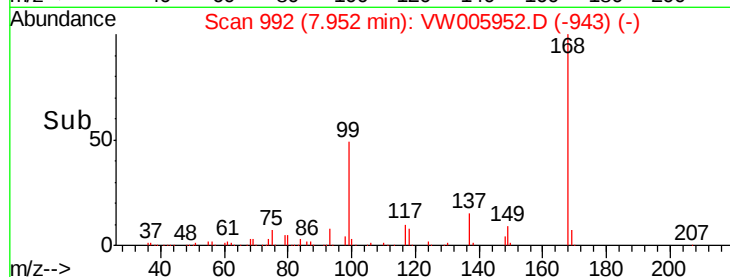
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.428 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005952.D

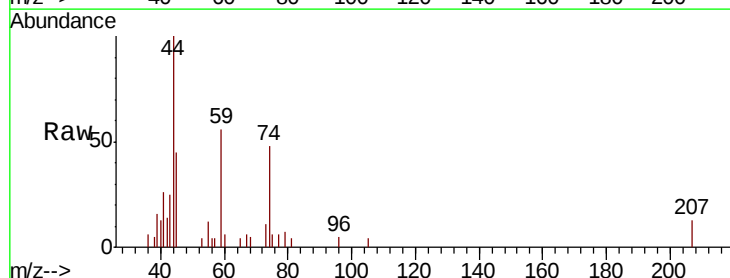
Acq: 09 Oct 2018 21:56

Tgt Ion: 74 Resp: 1749

Ion Ratio Lower Upper

74 100

45 125.8 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

800

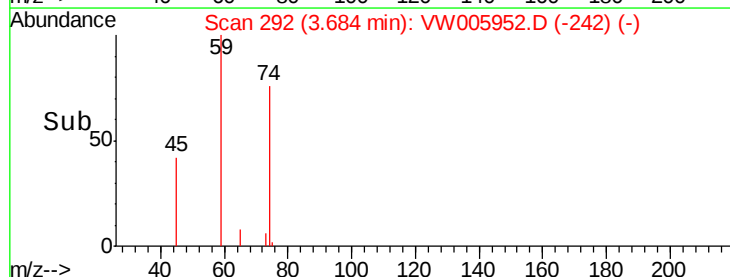
600

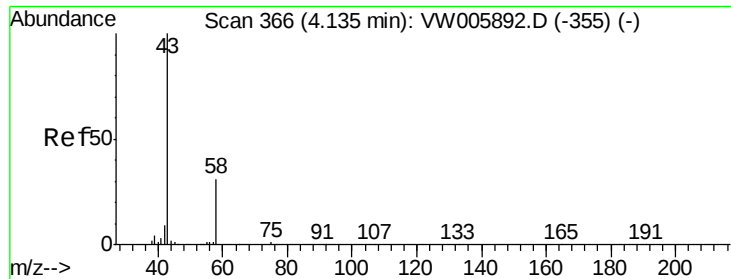
400

200

0

Time-->

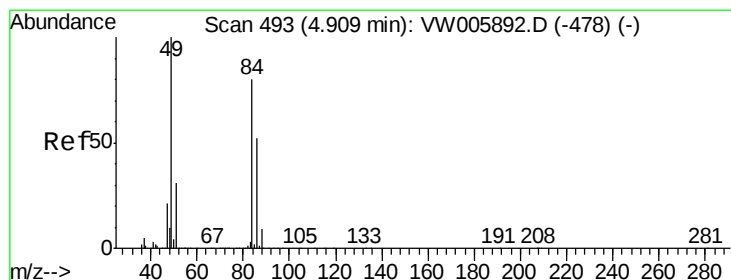
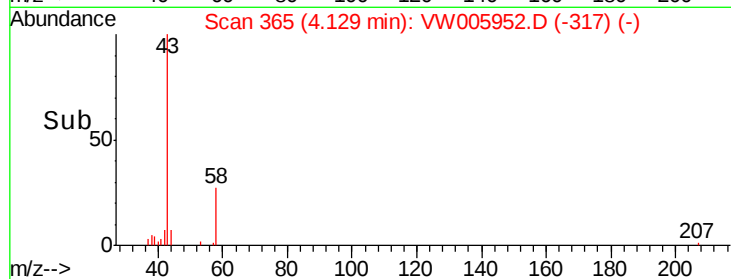
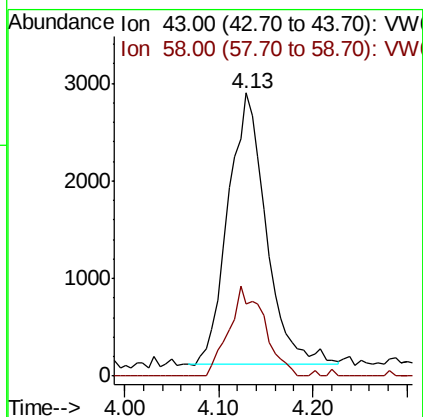
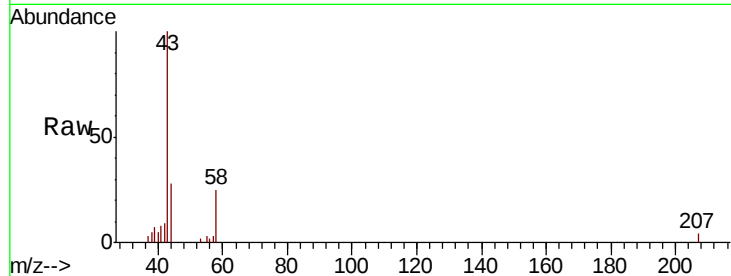




#16
Acetone
Concen: 14.753 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

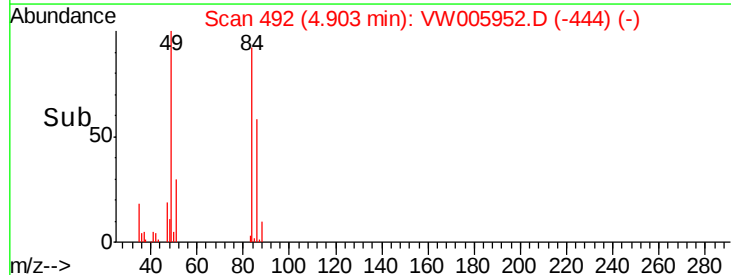
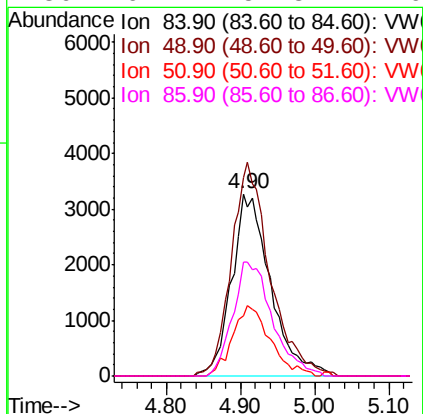
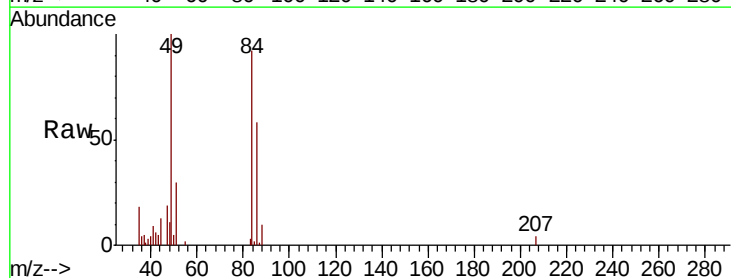
Instrument :
MSVOA_W
ClientSampleId :
OR-03-100818-A

Tgt Ion: 43 Resp: 7835
Ion Ratio Lower Upper
43 100
58 26.5 24.7 37.1



#20
Methylene Chloride
Concen: 4.503 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

Tgt Ion: 84 Resp: 11981
Ion Ratio Lower Upper
84 100
49 108.5 99.9 149.9
51 32.9 31.1 46.7
86 62.4 51.8 77.6





#25

2-Butanone

Concen: 1.912 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

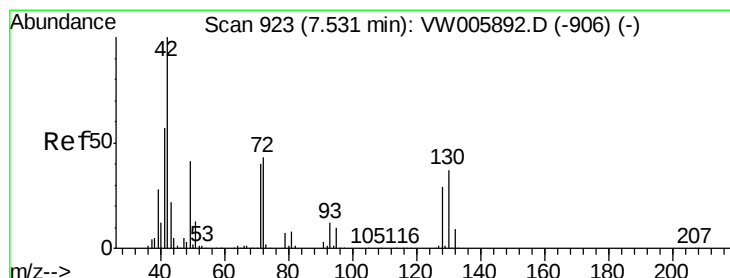
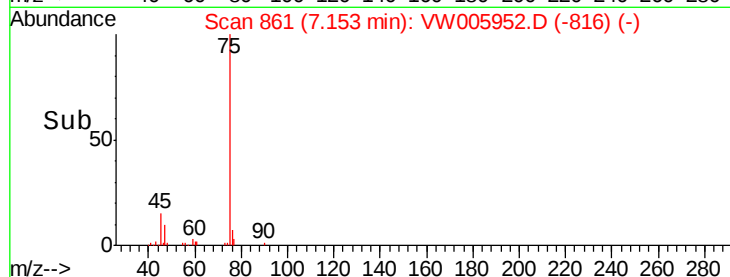
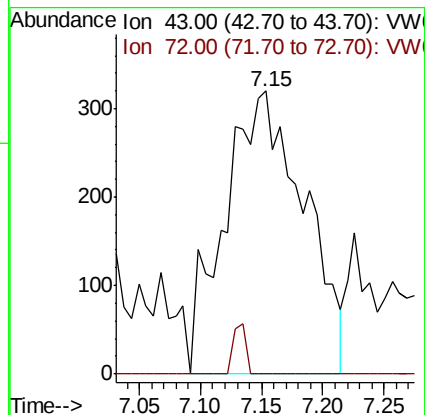
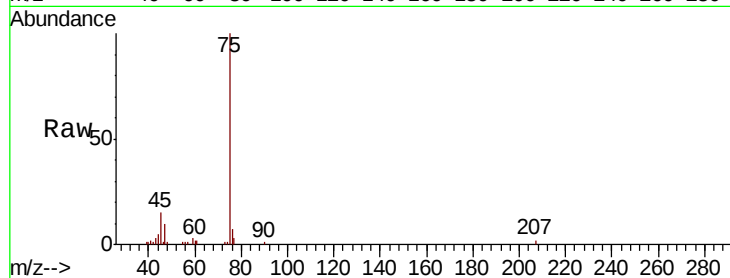
OR-03-100818-A

Tgt Ion: 43 Resp: 1444

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#29

Tetrahydrofuran

Concen: 1.476 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

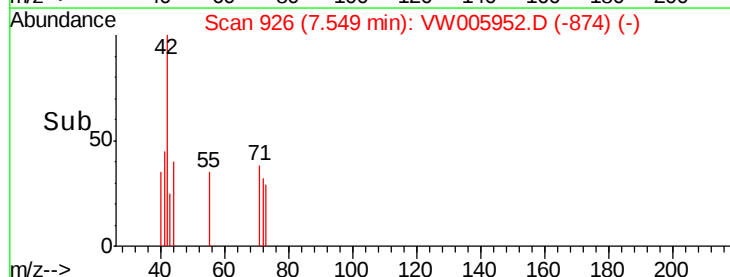
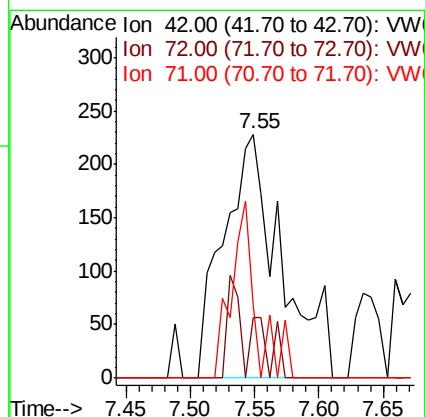
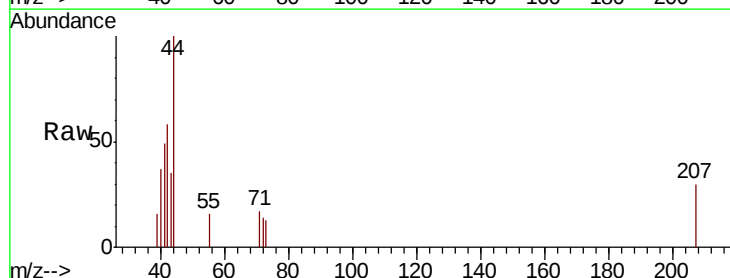
Tgt Ion: 42 Resp: 705

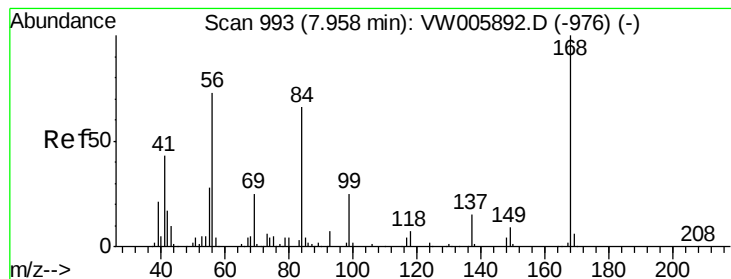
Ion Ratio Lower Upper

42 100

72 8.7 34.6 51.8#

71 25.5 32.6 49.0#





#31

Cyclohexane

Concen: 1.406 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

OR-03-100818-A

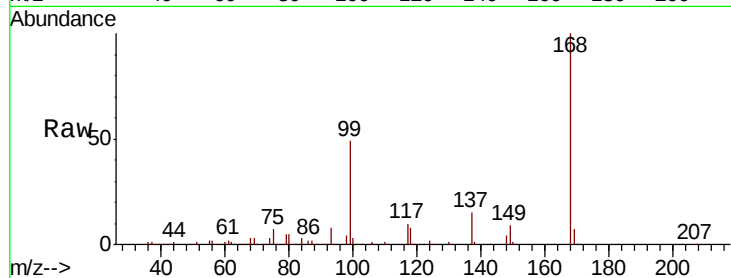
Tgt Ion: 56 Resp: 6543

Ion Ratio Lower Upper

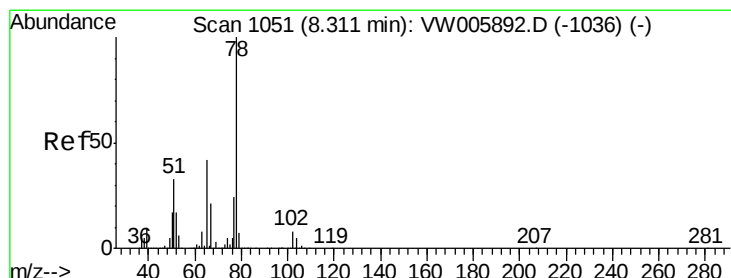
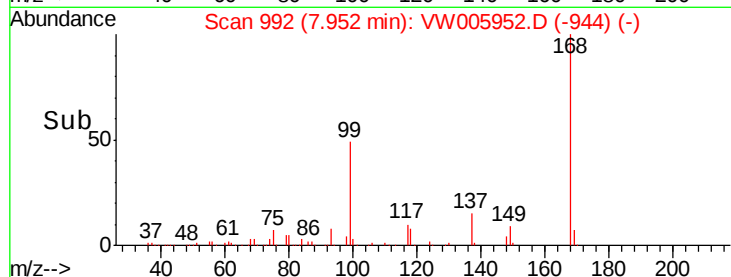
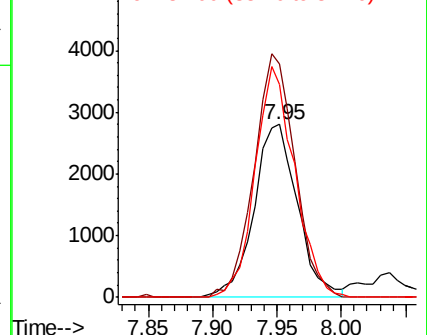
56 100

69 135.1 27.9 41.9#

84 123.3 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: 51.450 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005952.D

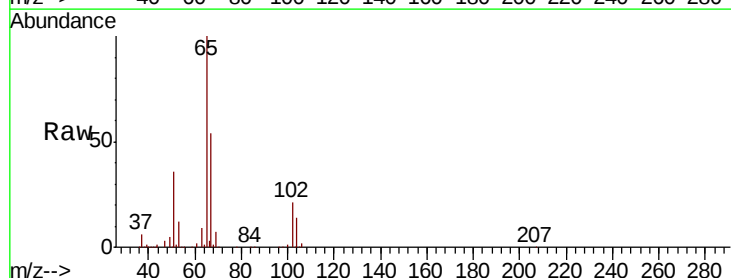
Acq: 09 Oct 2018 21:56

Tgt Ion: 65 Resp: 136796

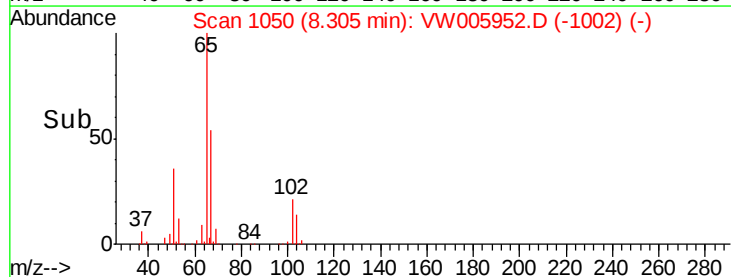
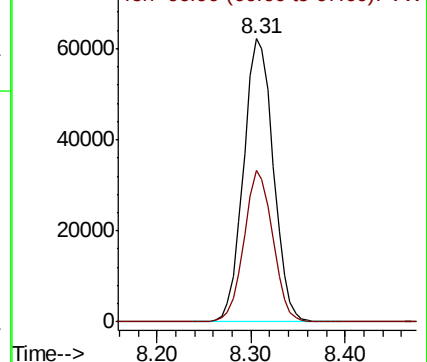
Ion Ratio Lower Upper

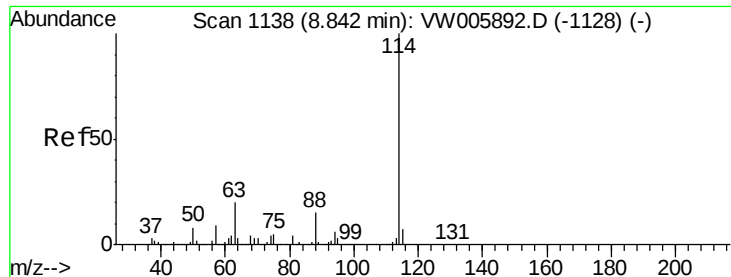
65 100

67 51.7 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: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

OR-03-100818-A

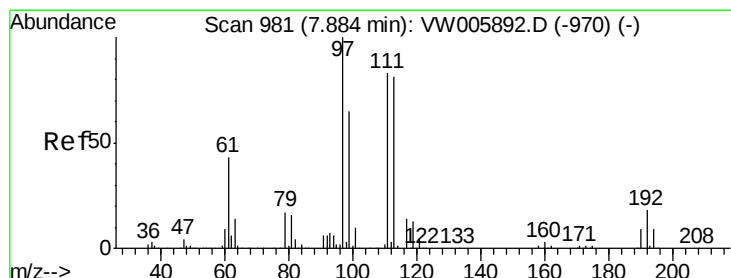
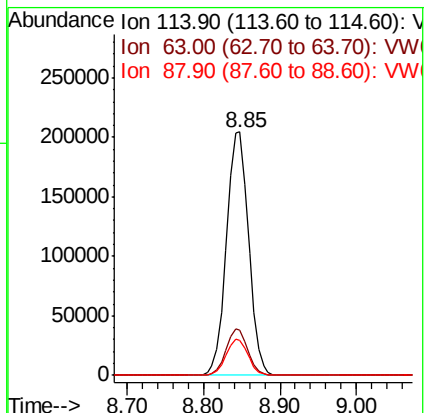
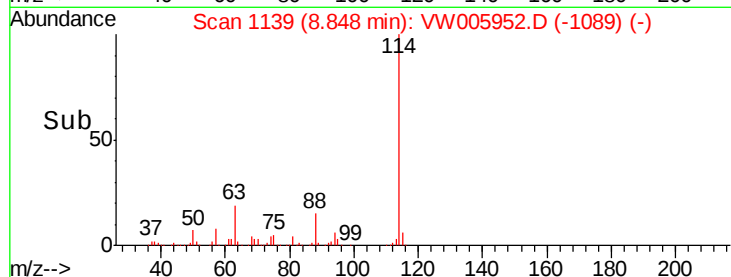
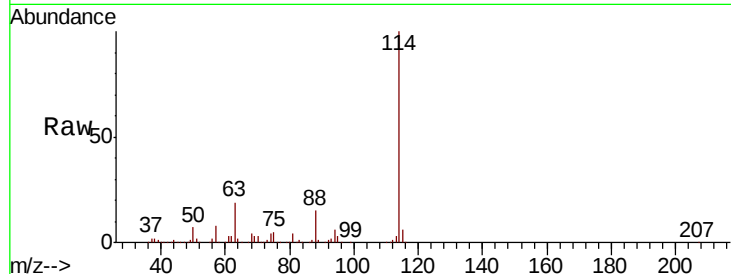
Tgt Ion:114 Resp: 409093

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 14.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.473 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

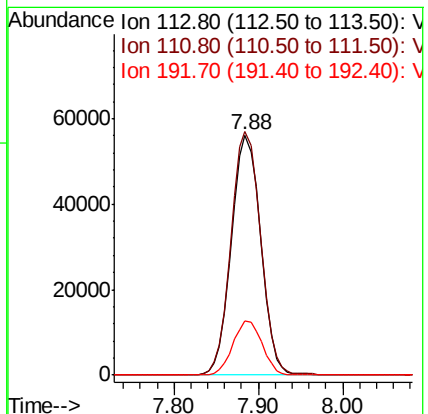
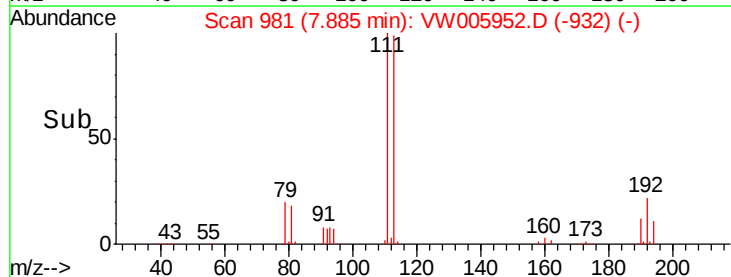
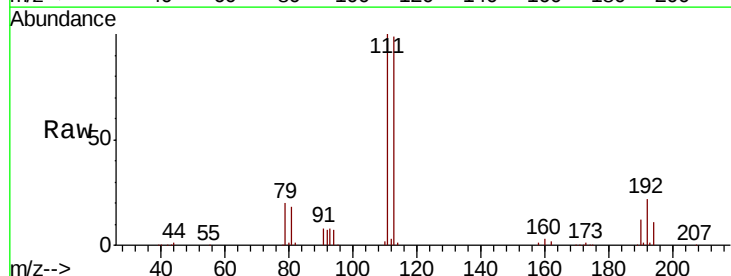
Tgt Ion:113 Resp: 131829

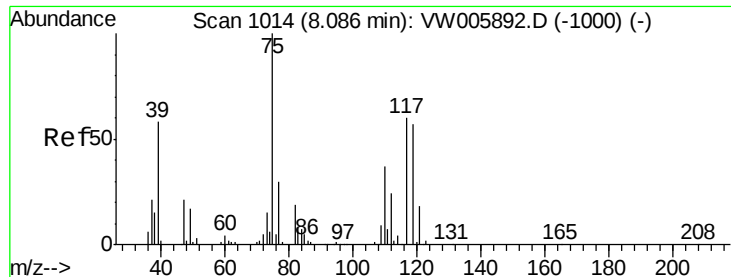
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 22.6 18.3 27.5

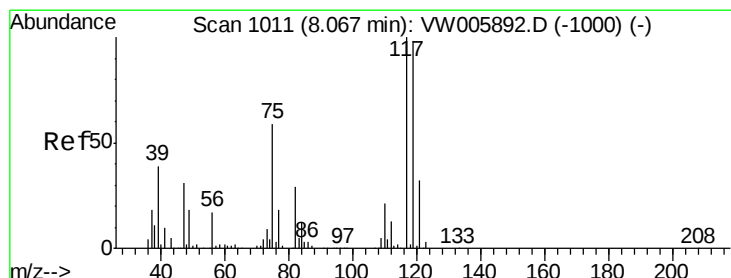
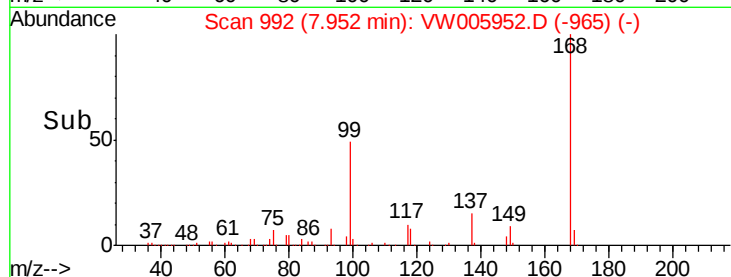
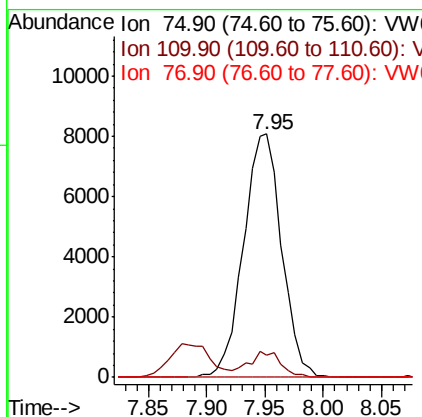
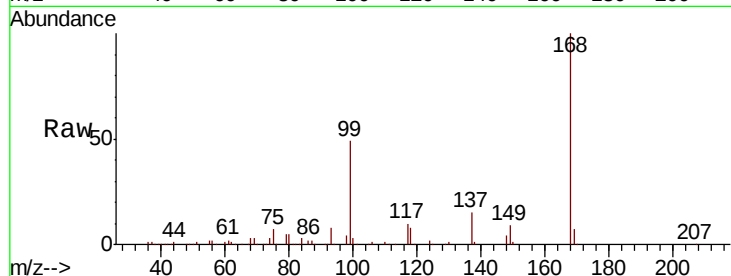




#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005952.D
 Acq: 09 Oct 2018 21:56

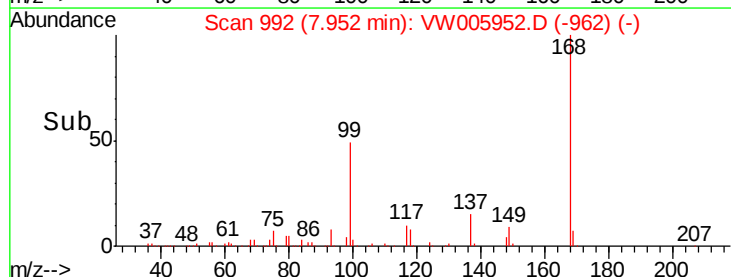
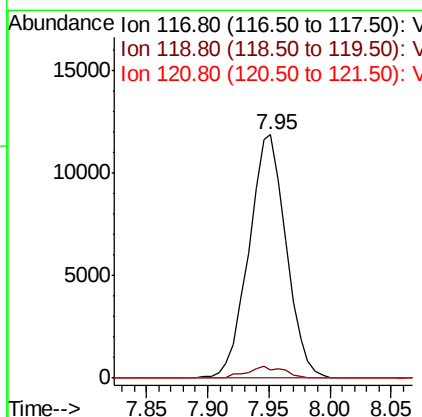
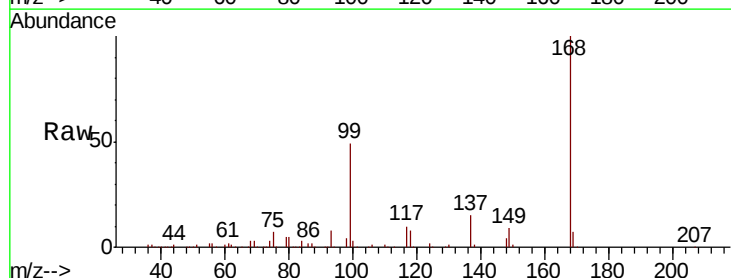
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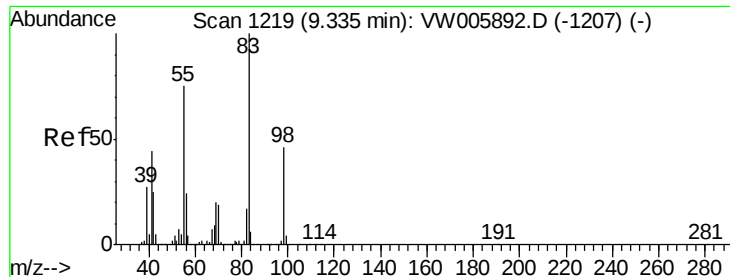
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.6	56.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.983 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005952.D
 Acq: 09 Oct 2018 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	78.6	117.8#
121	0.0	25.3	37.9#

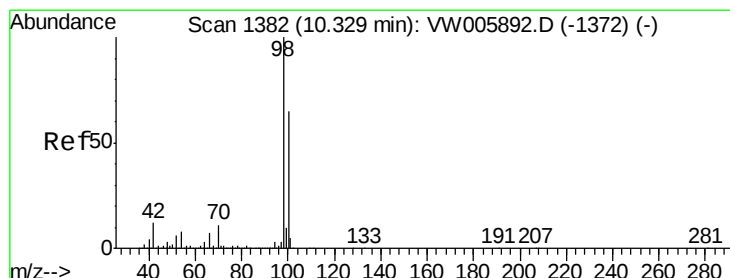
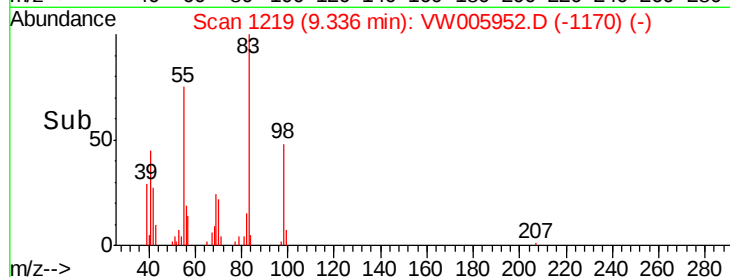
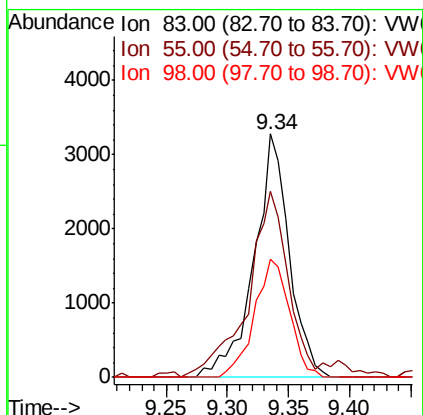
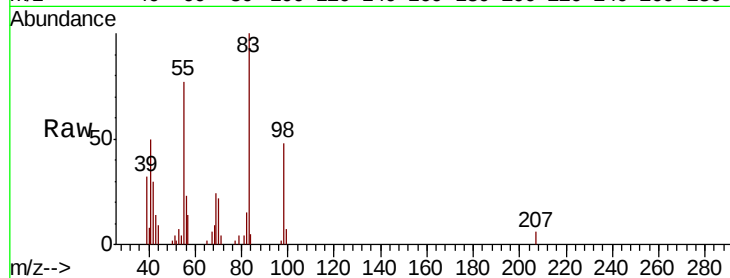




#39
Methylcyclohexane
Concen: 1.273 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

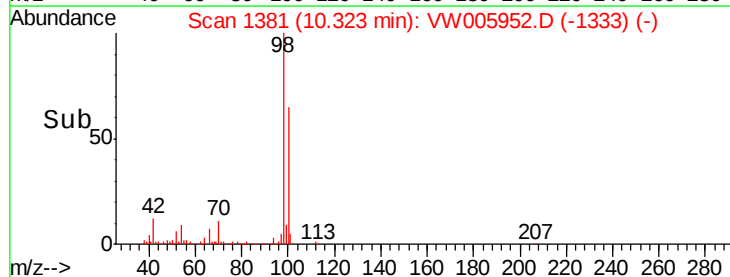
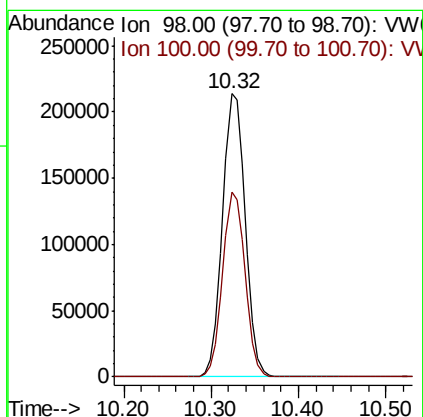
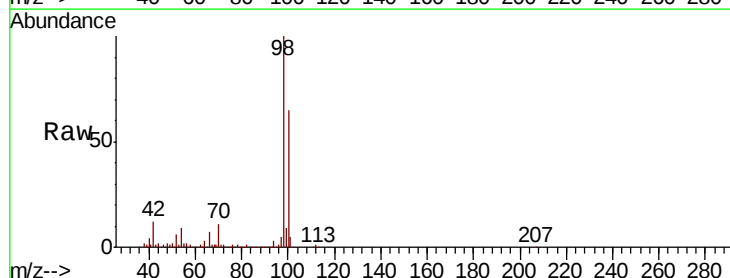
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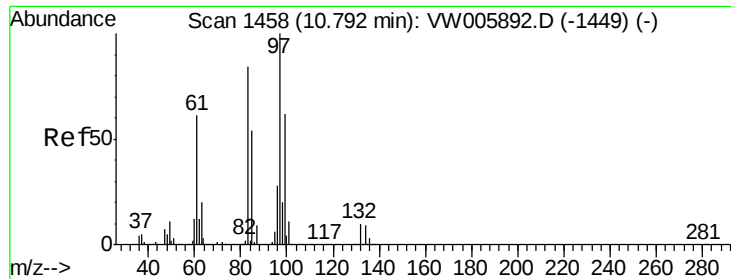
Tgt Ion: 83 Resp: 6582
Ion Ratio Lower Upper
83 100
55 74.7 59.8 89.6
98 48.4 37.1 55.7



#50
Toluene-d8
Concen: 38.346 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

Tgt Ion: 98 Resp: 385341
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

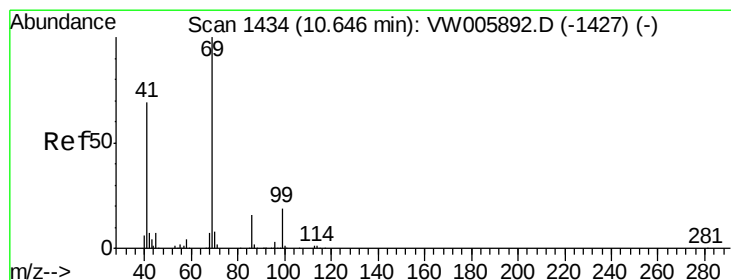
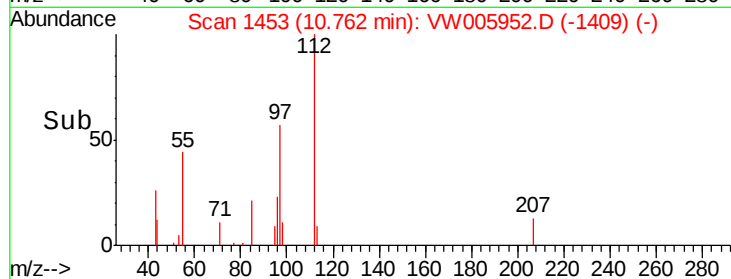
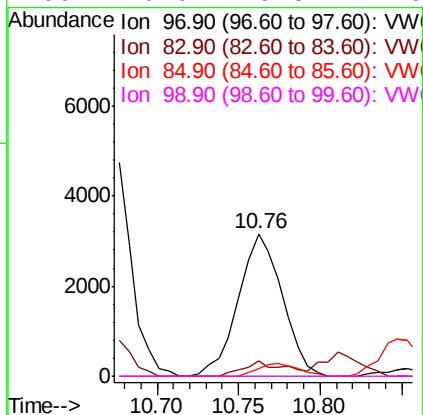
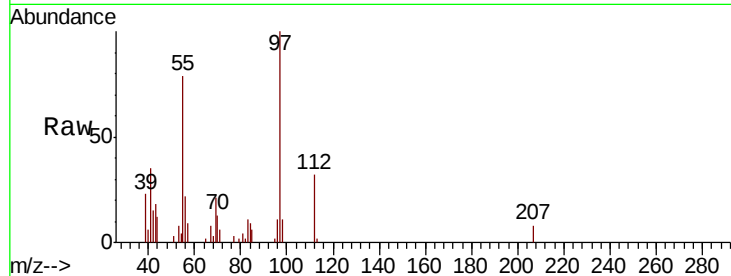




#55
 1,1,2-Trichloroethane
 Concen: 2.900 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VW005952.D
 Acq: 09 Oct 2018 21:56

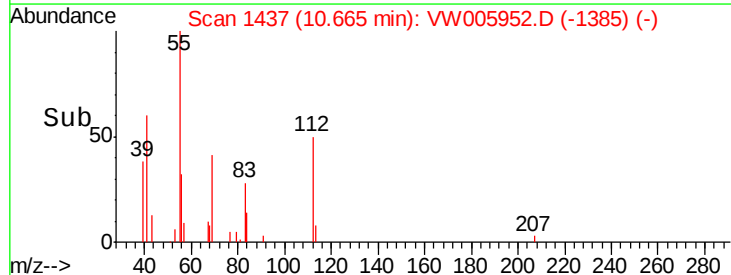
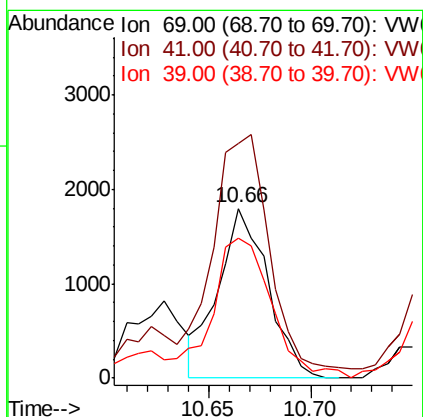
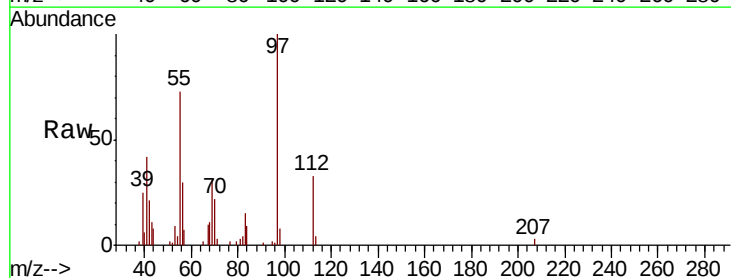
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-100818-A

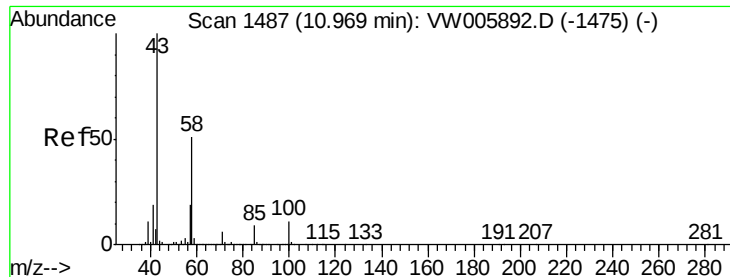
Tgt Ion:	97	Resp:	5929
Ion	Ratio	Lower	Upper
97	100		
83	10.6	66.9	100.3#
85	5.7	43.4	65.0#
99	0.0	49.8	74.6#



#56
 Ethyl methacrylate
 Concen: 1.102 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW005952.D
 Acq: 09 Oct 2018 21:56

Tgt Ion:	69	Resp:	3036
Ion	Ratio	Lower	Upper
69	100		
41	153.7	56.0	84.0#
39	99.6	33.5	50.3#

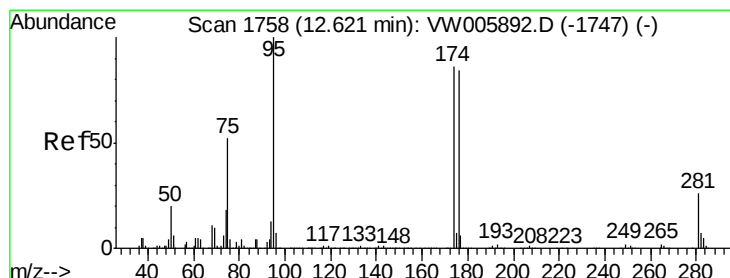
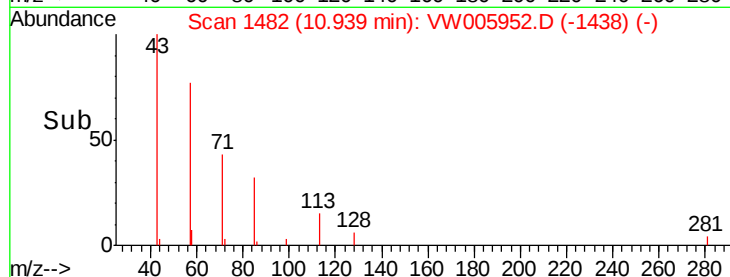
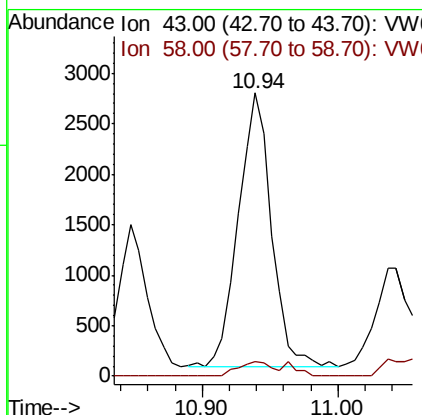
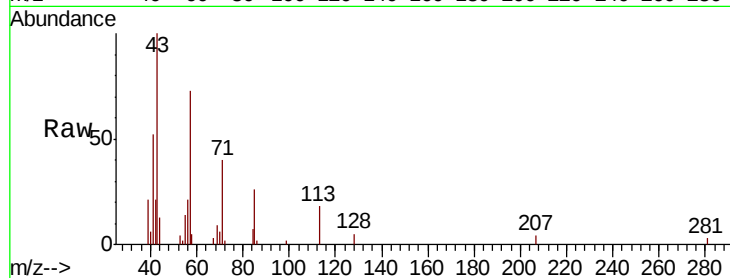




#59
2-Hexanone
Concen: 3.806 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

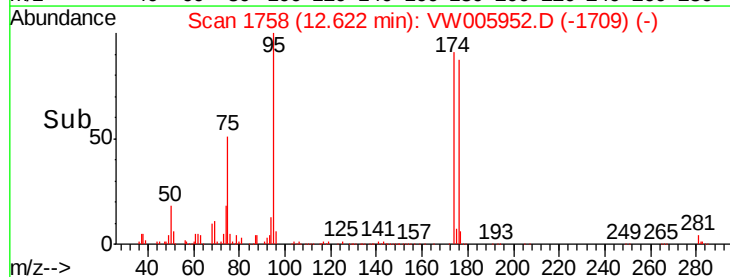
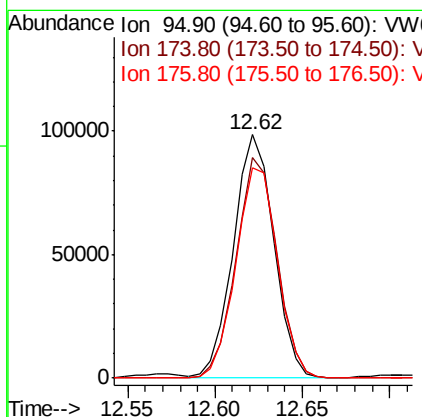
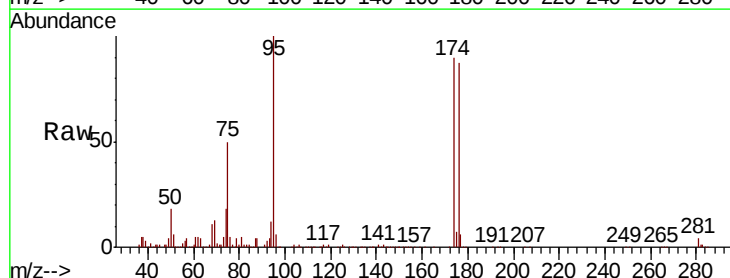
Instrument :
MSVOA_W
ClientSampleId :
OR-03-100818-A

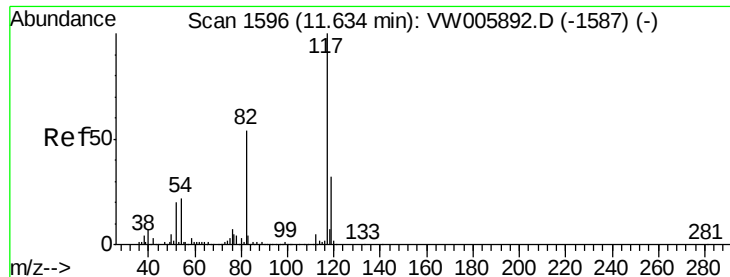
Tgt Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
58 5.5 25.7 77.1#



#62
4-Bromofluorobenzene
Concen: 41.298 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

Tgt Ion: 95 Resp: 157895
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.4
176 89.5 0.0 173.0

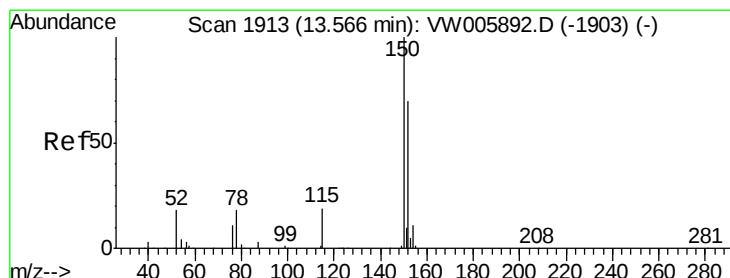
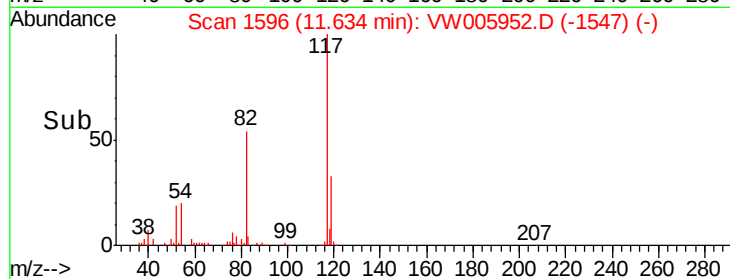
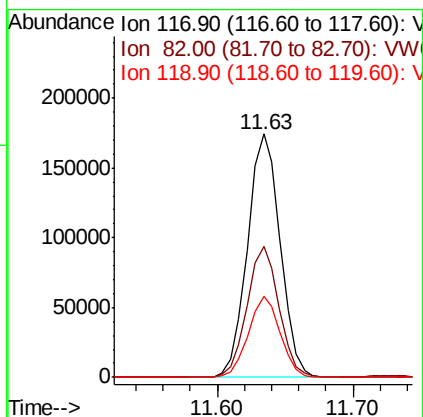
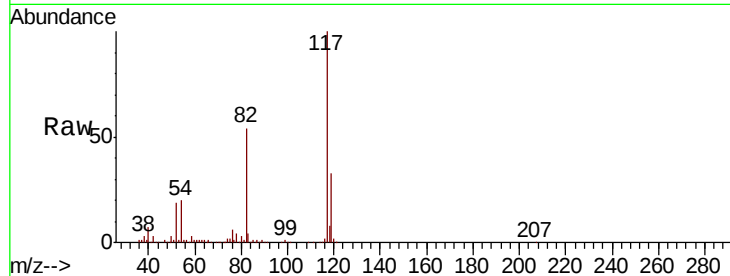




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

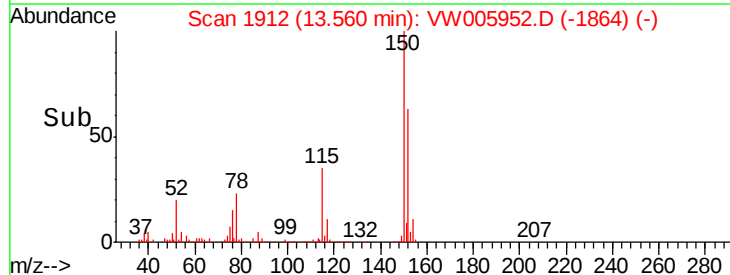
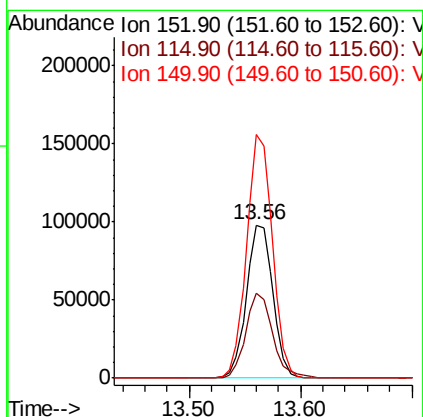
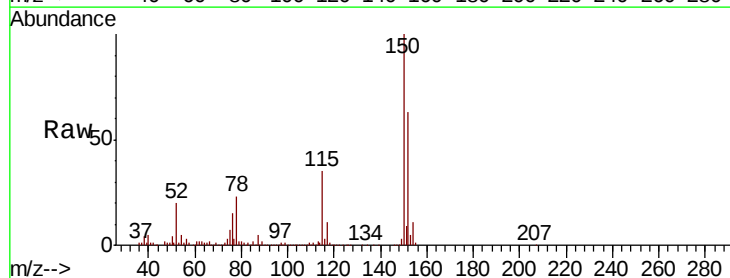
Instrument :
MSVOA_W
ClientSampleId :
OR-03-100818-A

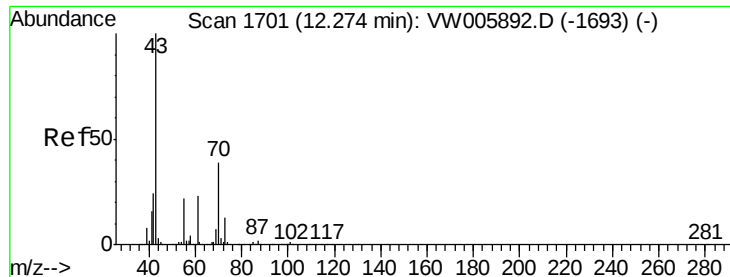
Tgt Ion:117 Resp: 293818
Ion Ratio Lower Upper
117 100
82 53.7 43.5 65.3
119 33.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

Tgt Ion:152 Resp: 161191
Ion Ratio Lower Upper
152 100
115 56.8 28.3 85.0
150 155.5 0.0 349.2

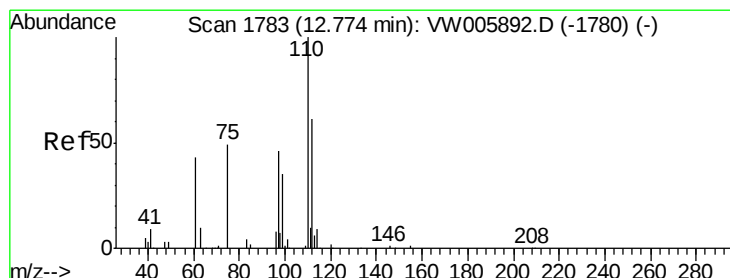
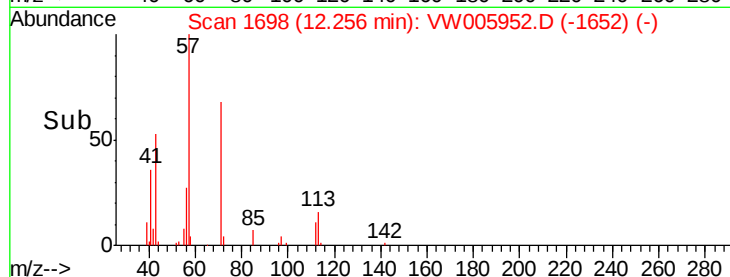
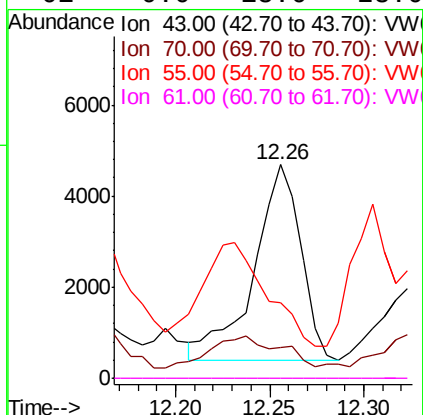
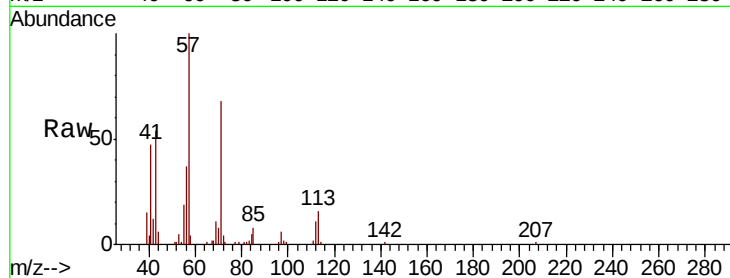




#74
N-ethyl acetate
Concen: 2.677 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

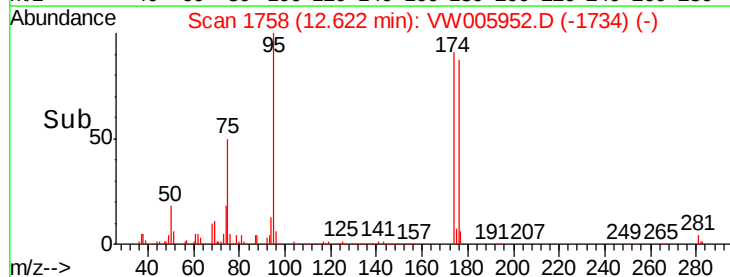
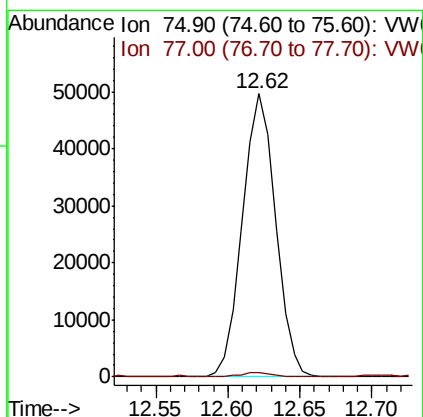
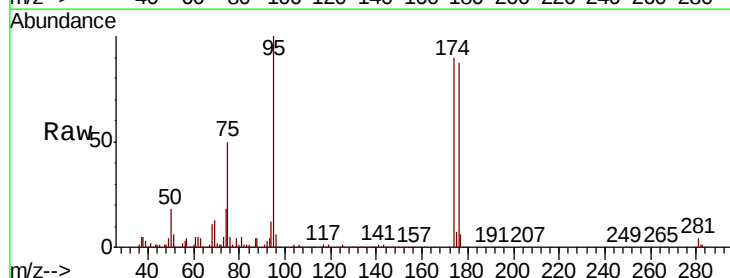
Instrument :
MSVOA_W
ClientSampleId :
OR-03-100818-A

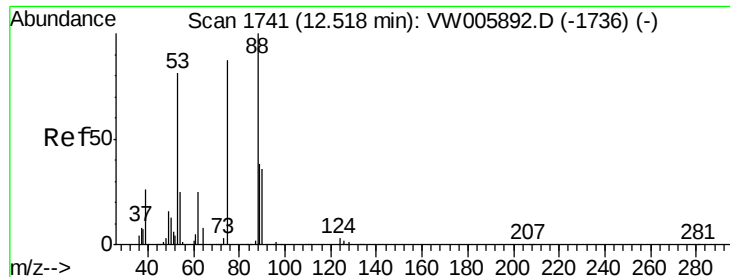
Tgt Ion: 43 Resp: 7484
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 17.9 26.9#
61 0.0 18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 55.037 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005952.D
Acq: 09 Oct 2018 21:56

Tgt Ion: 75 Resp: 79247
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 116.190 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

OR-03-100818-A

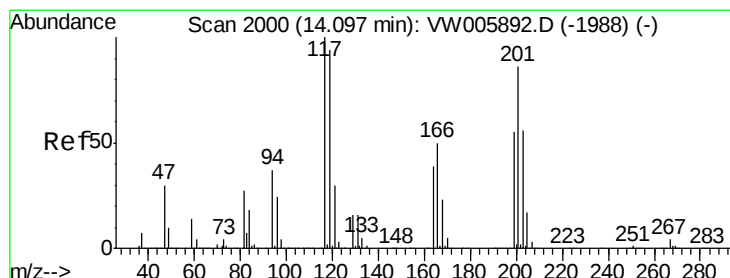
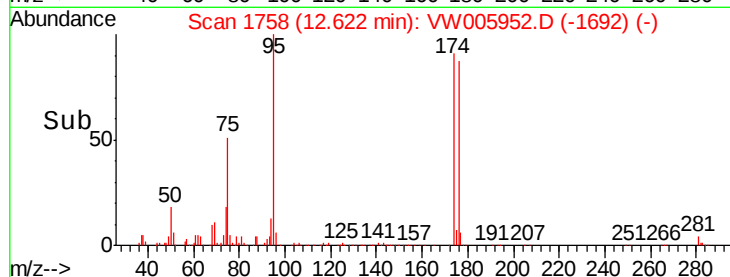
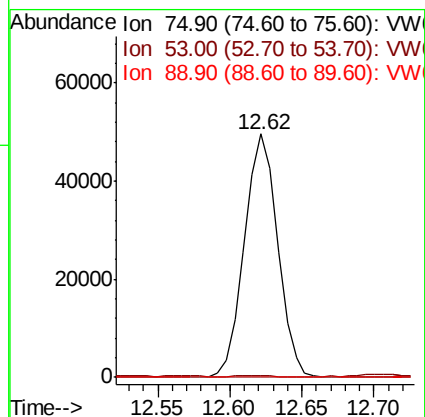
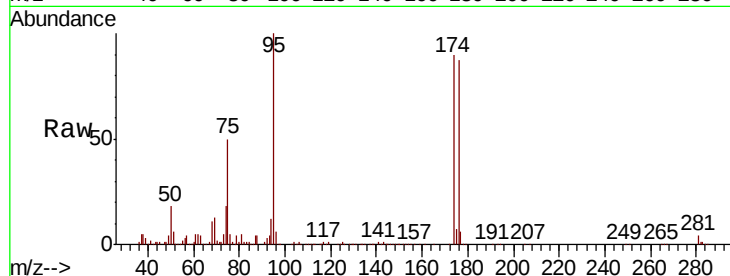
Tgt Ion: 75 Resp: 79247

Ion Ratio Lower Upper

75 100

53 0.5 76.5 114.7#

89 0.0 37.6 56.4#



#90

Hexachloroethane

Concen: 2.200 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW005952.D

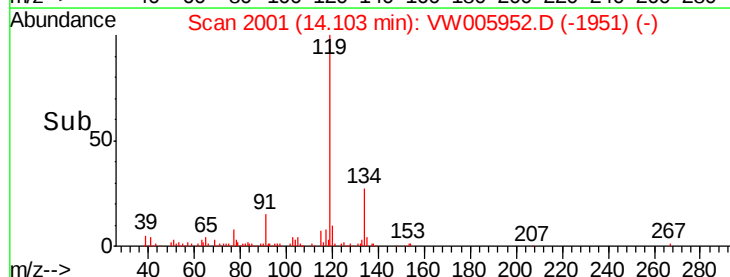
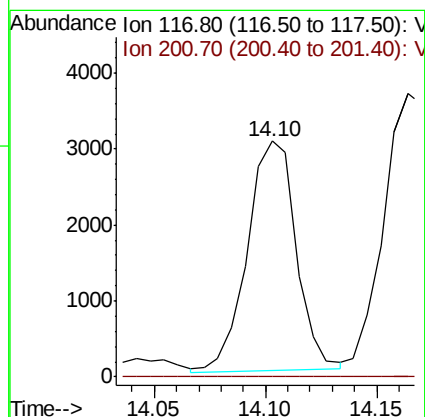
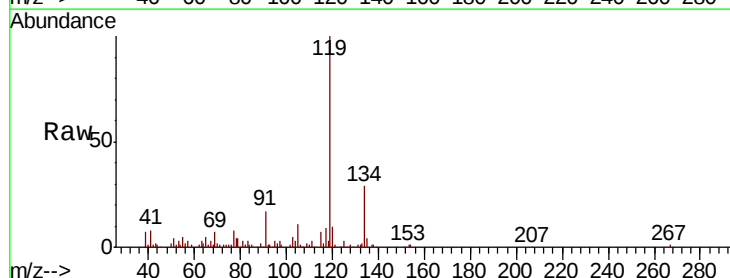
Acq: 09 Oct 2018 21:56

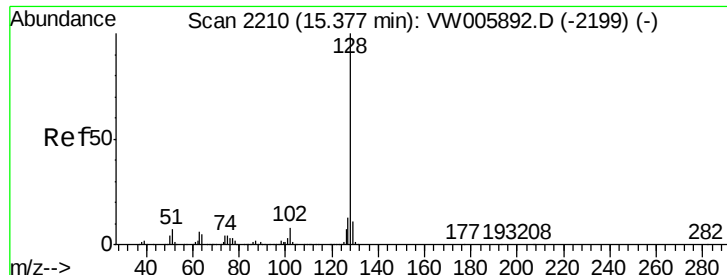
Tgt Ion: 117 Resp: 4618

Ion Ratio Lower Upper

117 100

201 0.0 44.5 133.5#





#95

Naphthalene

Concen: 4.021 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005952.D

Acq: 09 Oct 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

OR-03-100818-A

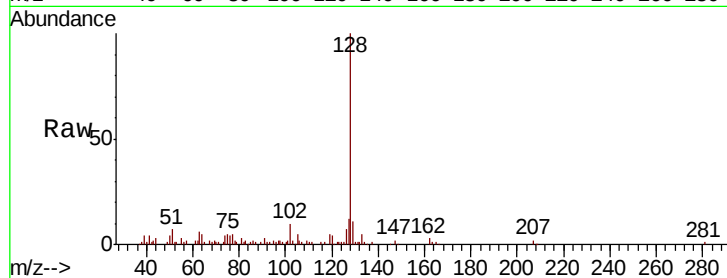
Tgt Ion:128 Resp: 26437

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 12.0 8.9 13.3



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

