

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004573.D
 Acq On : 10 Aug 2018 01:34
 Operator : SY/AP
 Sample : J4271-05
 Misc : 6.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-080818-C

Quant Time: Aug 10 03:52:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	610121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1055110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	755543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	345481	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	366200	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.88	113	349758	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.33	98	900313	33.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.14%	
62) 4-Bromofluorobenzene	12.62	95	372344	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	

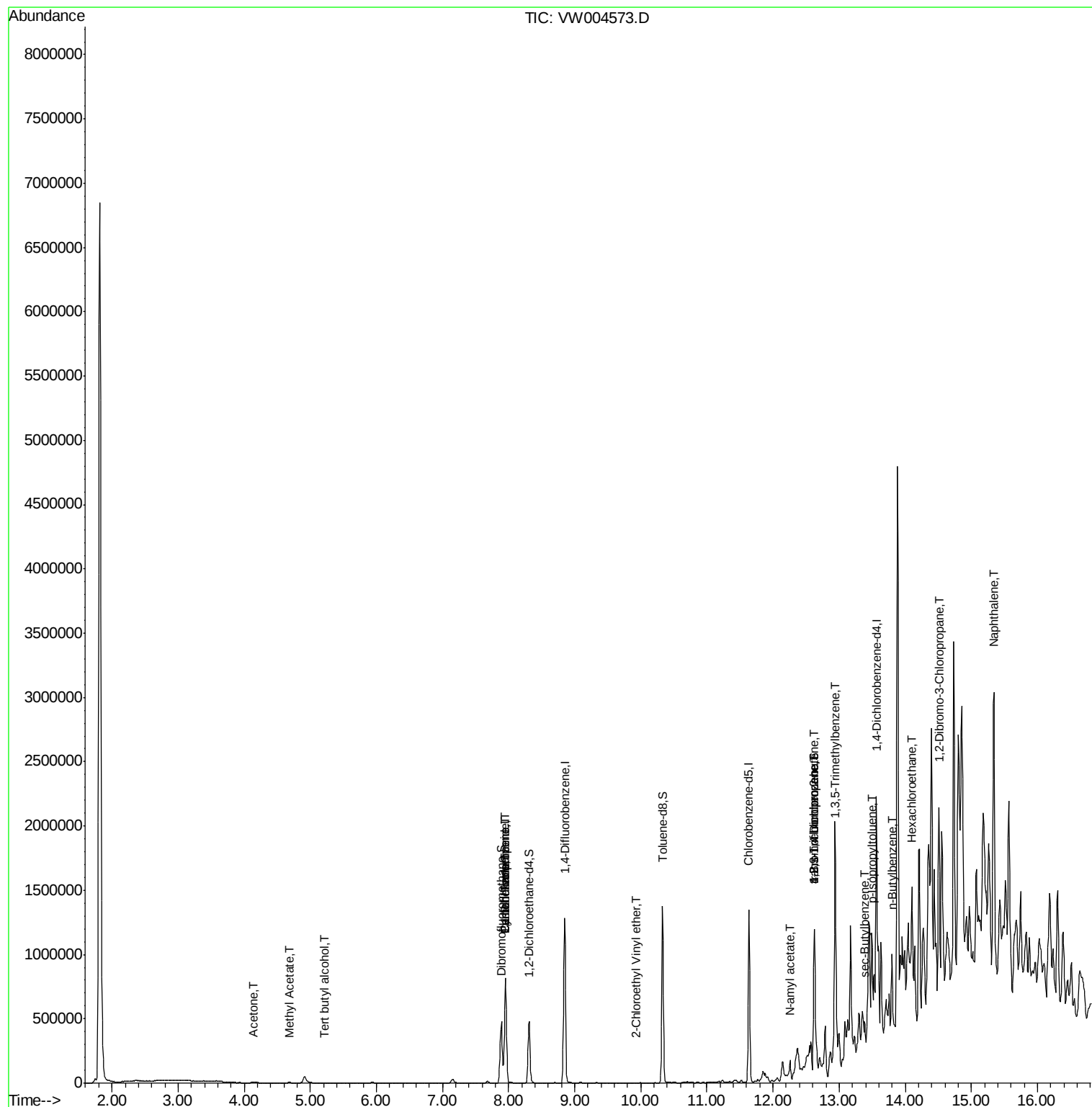
Target Compounds						Qvalue
11) Tert butyl alcohol	5.21	59	472	1.194	ug/l #	70
16) Acetone	4.14	43	13055	7.740	ug/l	95
18) Methyl Acetate	4.68	43	6504	1.546	ug/l	96
20) Methylene Chloride	4.92	84	40699	Below Cal		97
31) Cyclohexane	7.96	56	13075	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	48163	4.240	ug/l #	49
38) Carbon Tetrachloride	7.95	117	57736	5.648	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	159	8.984	ug/l #	48
74) N-amyl acetate	12.26	43	31851	5.497	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	178565	49.949	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	93001	4.562	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	178565	119.571	ug/l #	13
85) sec-Butylbenzene	13.39	105	40771	1.581	ug/l	82
86) p-Isopropyltoluene	13.51	119	66841	2.990	ug/l	99
89) n-Butylbenzene	13.80	91	79218	3.607	ug/l #	1
90) Hexachloroethane	14.10	117	28991	7.010	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2717	3.333	ug/l #	25
95) Naphthalene	15.33	128	21184	4.207	ug/l #	1

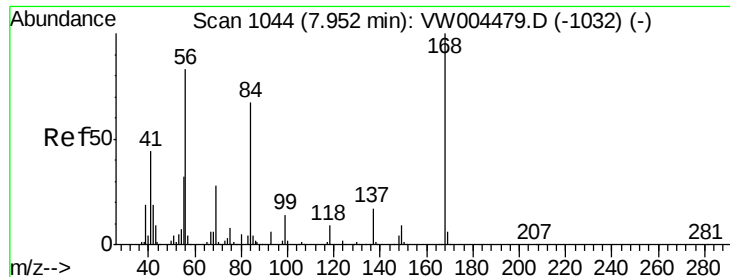
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

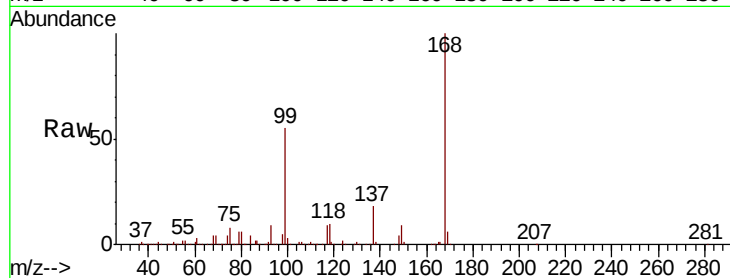
HR-05-080818-C

Tgt Ion:168 Resp: 610121

Ion Ratio Lower Upper

168 100

99 55.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

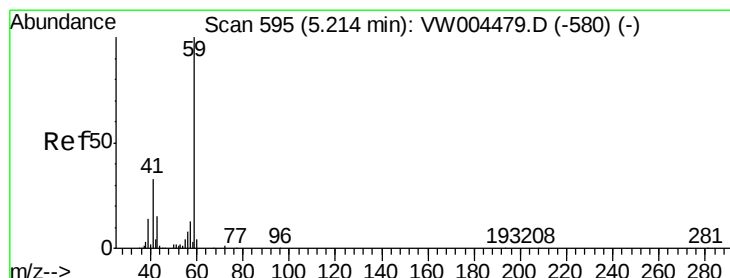
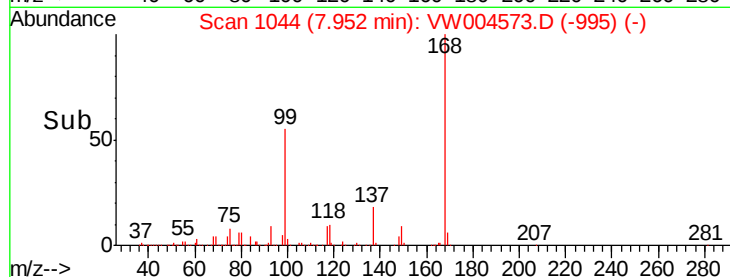
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.194 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW004573.D

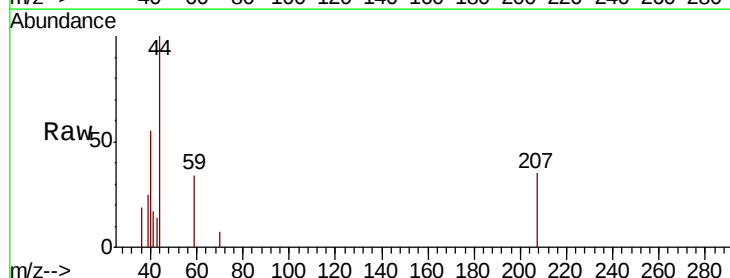
Acq: 10 Aug 2018 01:34

Tgt Ion: 59 Resp: 472

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

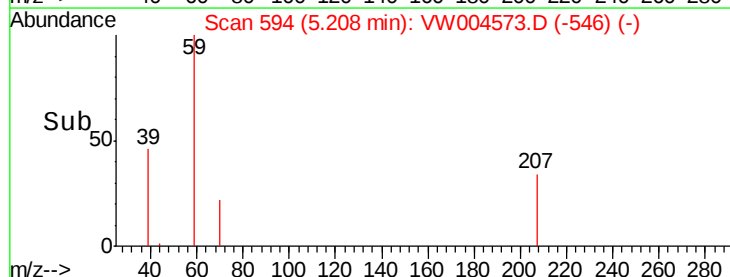
300

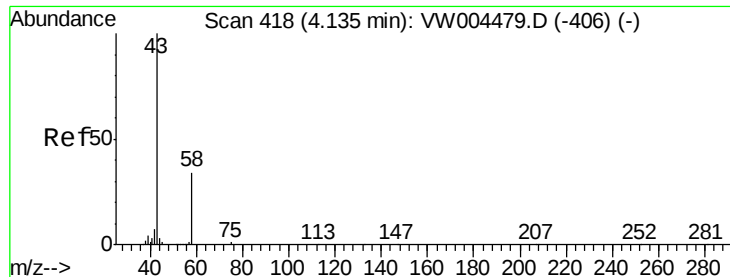
200

100

0

Time-->

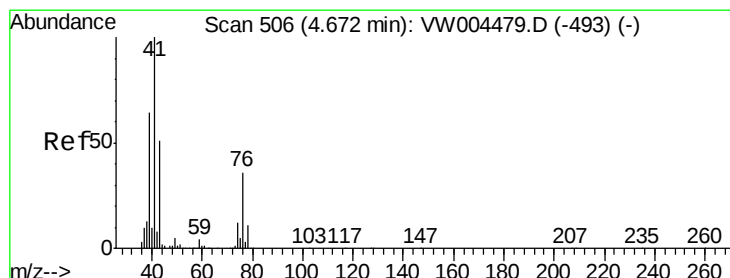
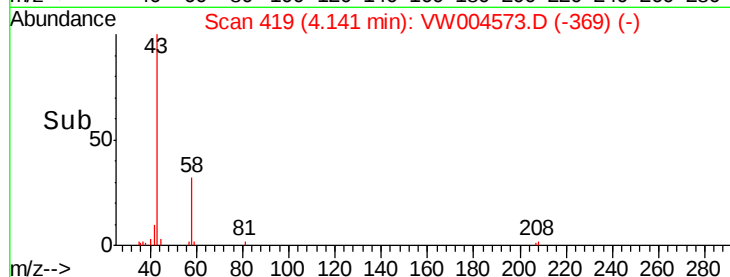
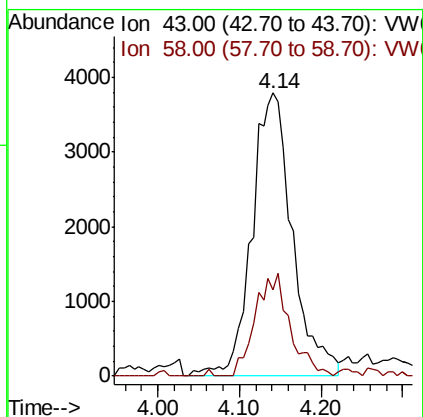
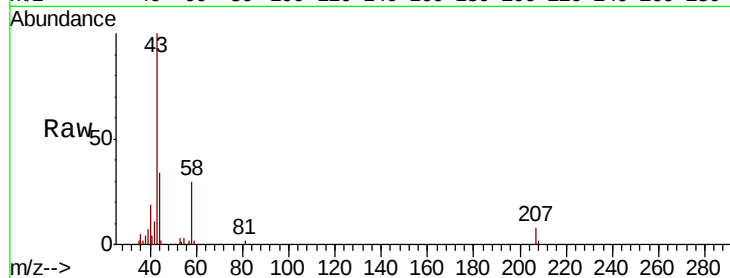




#16
Acetone
Concen: 7.740 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

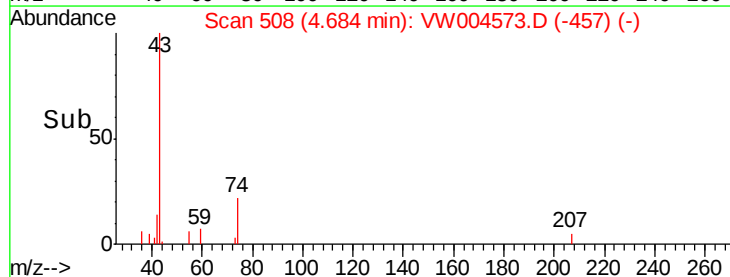
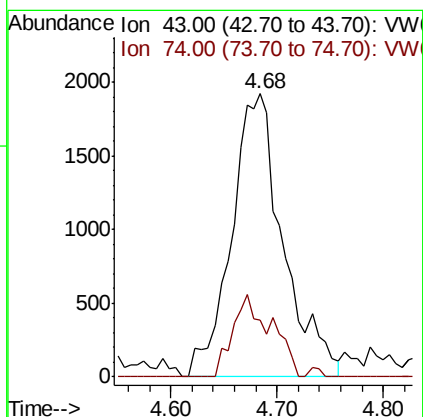
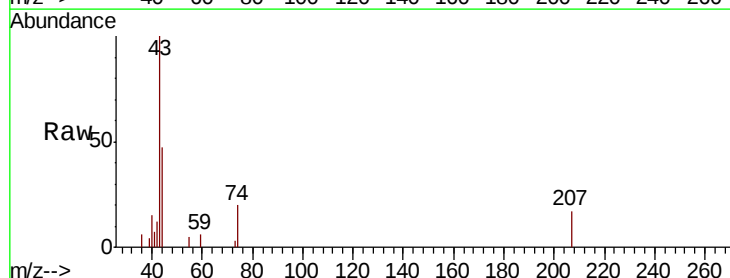
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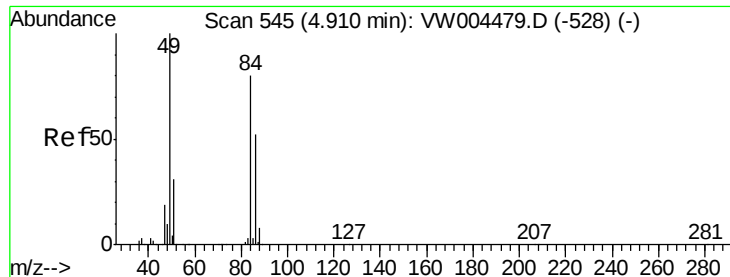
Tgt Ion: 43 Resp: 13055
Ion Ratio Lower Upper
43 100
58 30.4 26.8 40.2



#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

Tgt Ion: 43 Resp: 6504
Ion Ratio Lower Upper
43 100
74 21.9 19.1 28.7

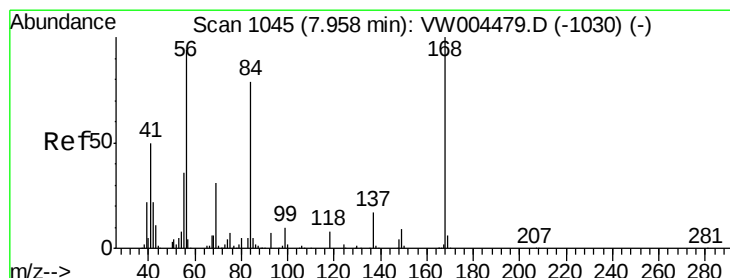
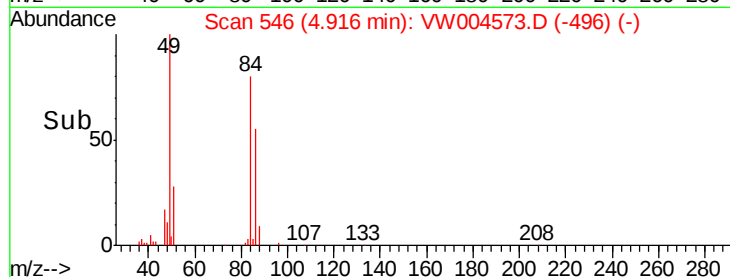
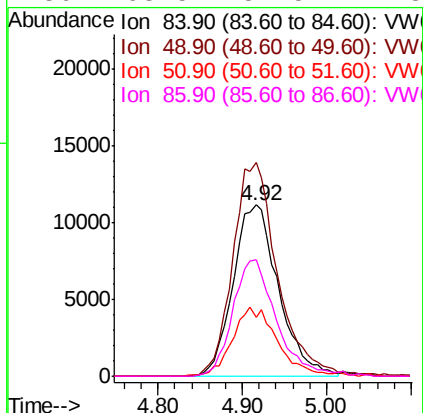
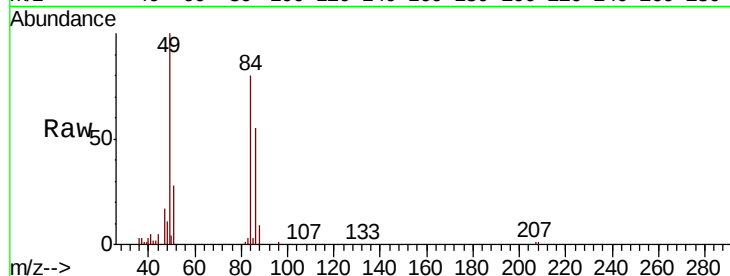




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

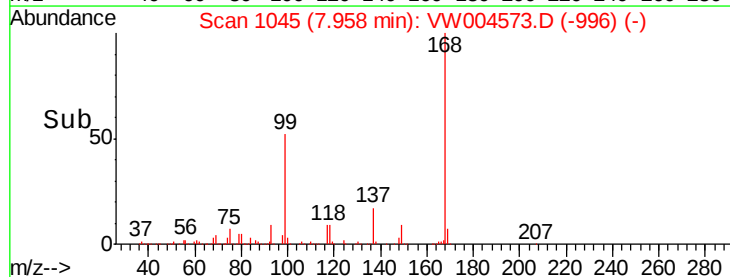
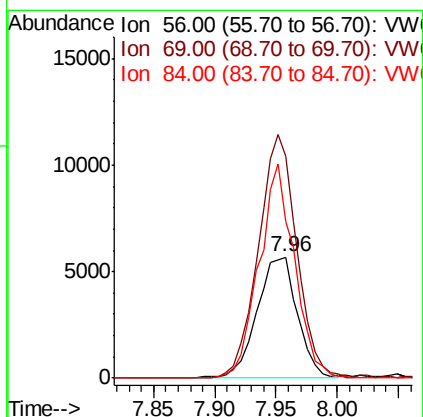
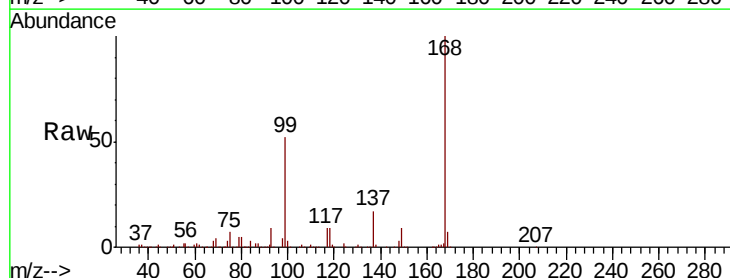
Instrument :
MSVOA_W
ClientSampleId :
HR-05-080818-C

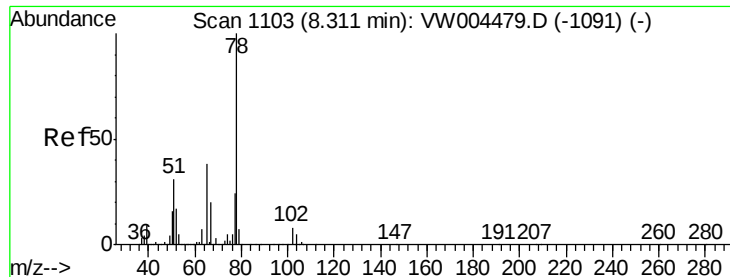
Tgt Ion:	84	Resp:	40699
Ion	Ratio	Lower	Upper
84	100		
49	124.9	99.6	149.4
51	34.1	31.0	46.4
86	68.5	51.5	77.3



#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

Tgt Ion:	56	Resp:	13075
Ion	Ratio	Lower	Upper
56	100		
69	184.1	26.4	39.6#
84	129.6	66.9	100.3#

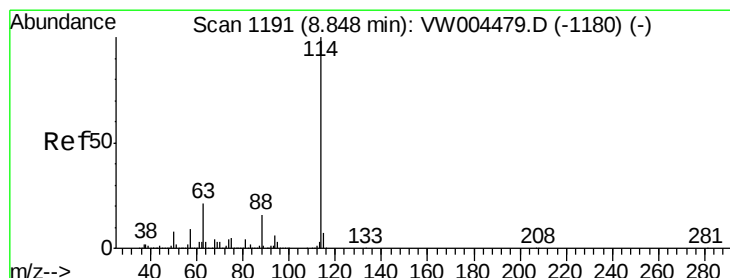
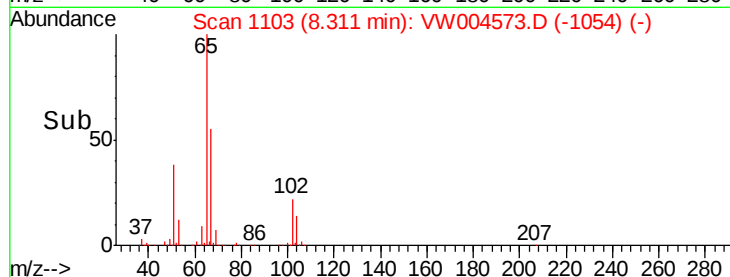
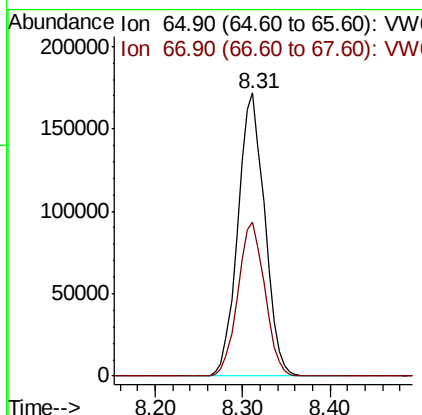
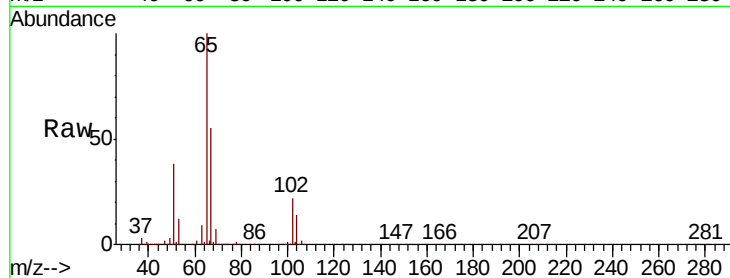




#33
 1,2-Dichloroethane-d4
 Concen: 54.221 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

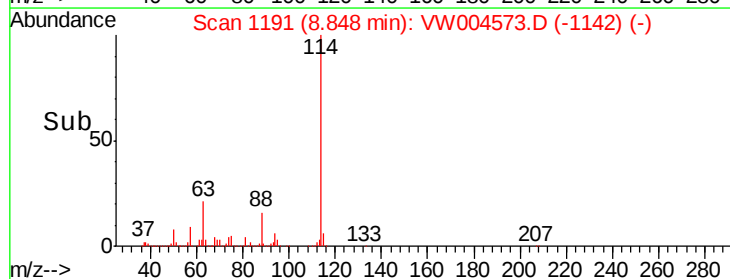
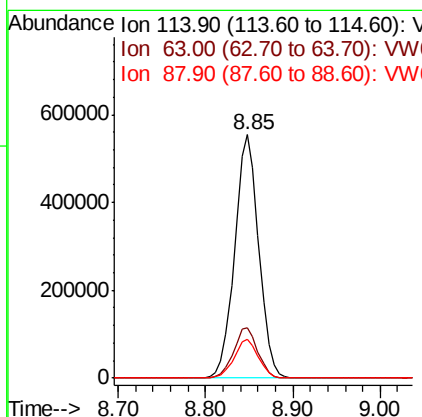
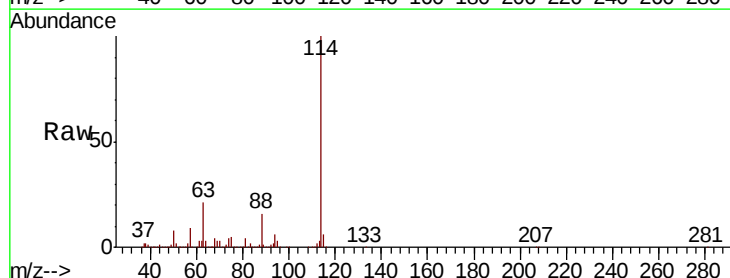
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-080818-C

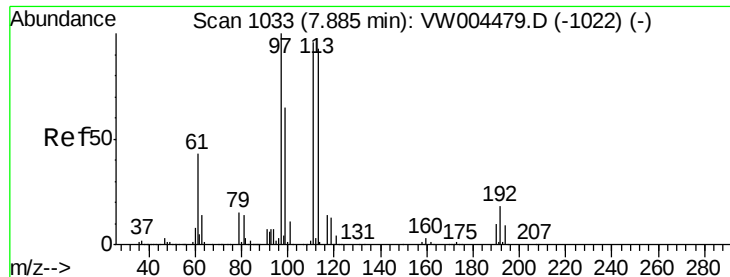
Tgt Ion: 65 Resp: 366200
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

Tgt Ion: 114 Resp: 1055110
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 16.1 0.0 31.2

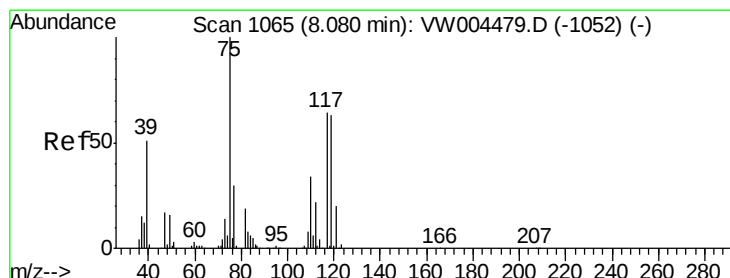
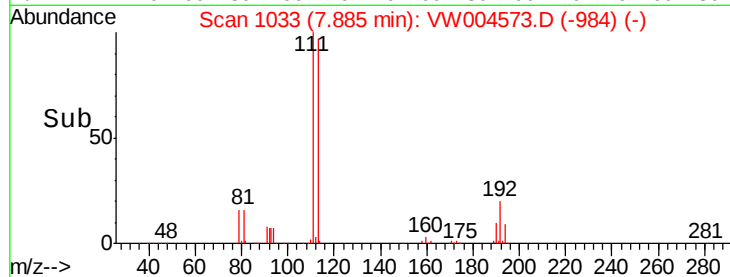
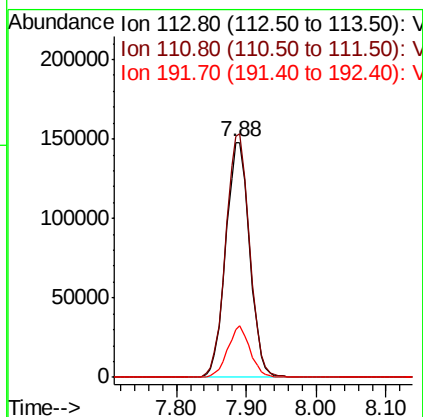
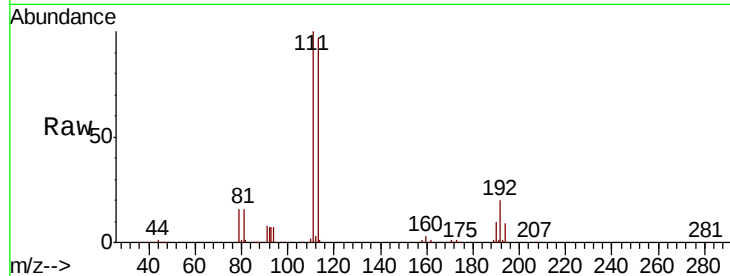




#35
 Dibromofluoromethane
 Concen: 49.716 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

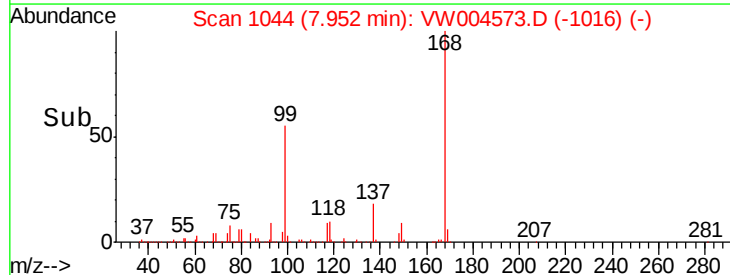
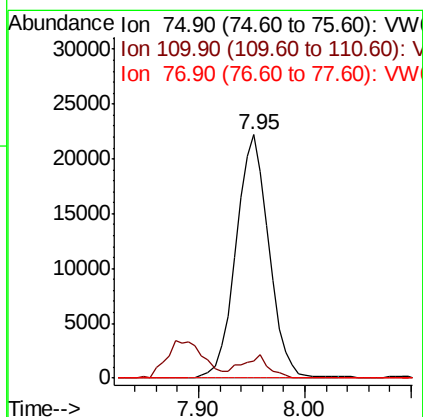
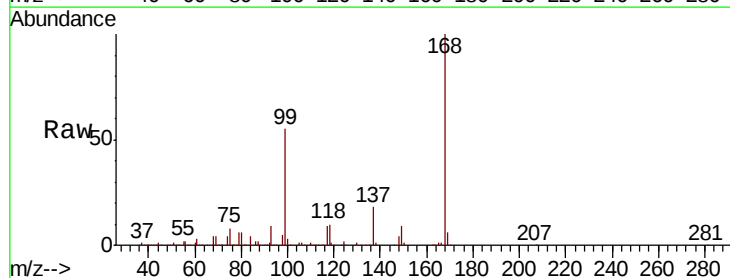
Instrument :
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 ClientSampleId :
 HR-05-080818-C

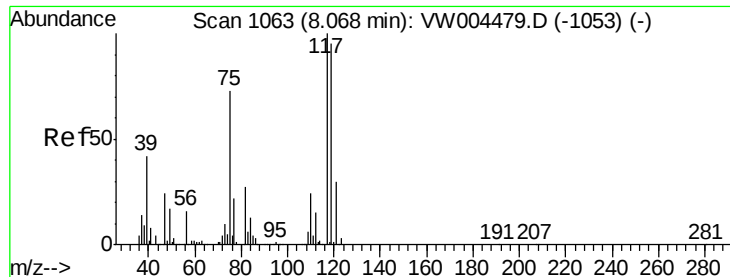
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	20.3	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.240 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.4	52.2#
77	0.1	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampled :

HR-05-080818-C

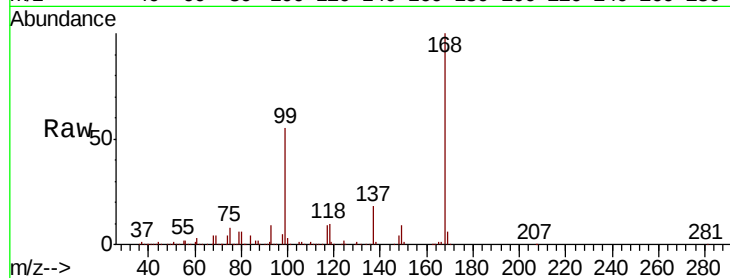
Tgt Ion:117 Resp: 57736

Ion Ratio Lower Upper

117 100

119 7.5 76.1 114.1#

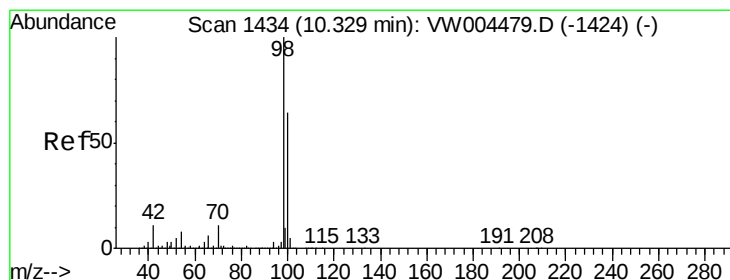
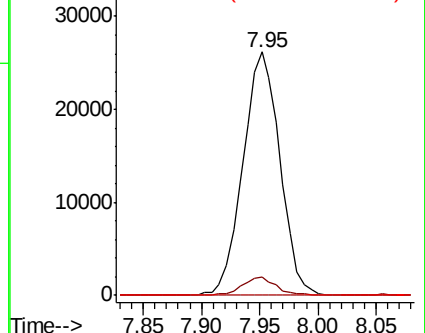
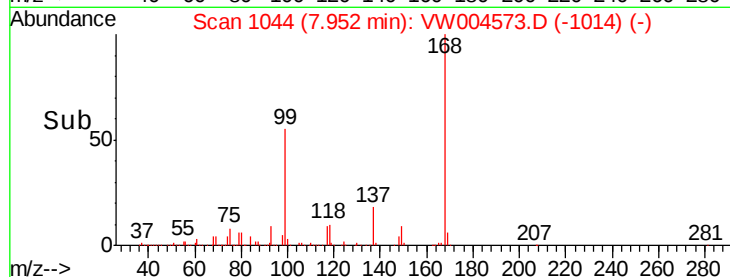
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 33.568 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004573.D

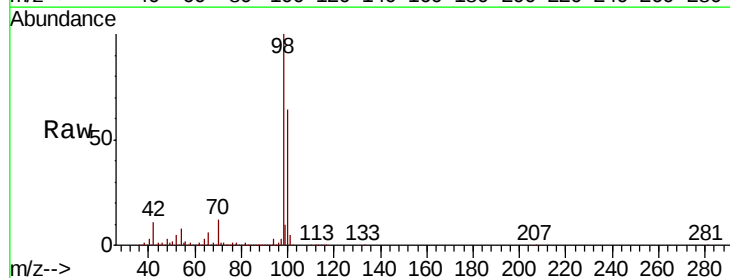
Acq: 10 Aug 2018 01:34

Tgt Ion: 98 Resp: 900313

Ion Ratio Lower Upper

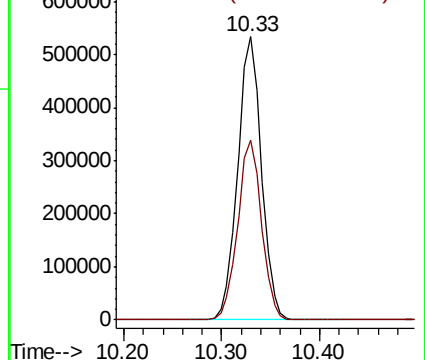
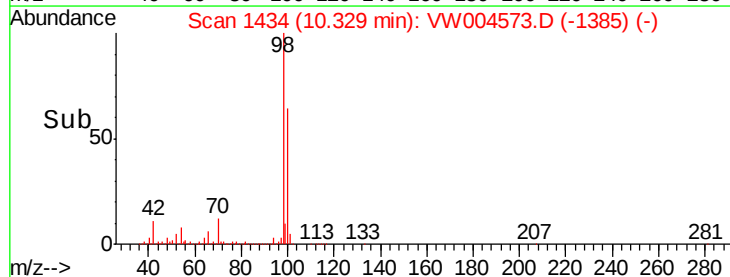
98 100

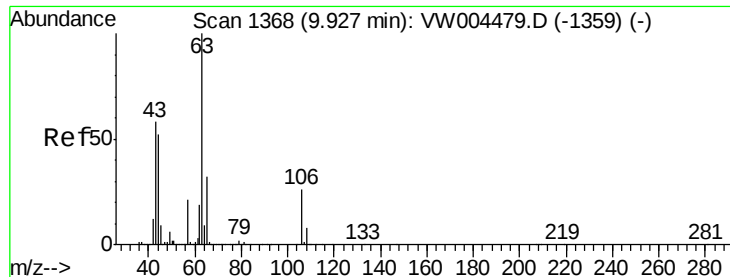
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

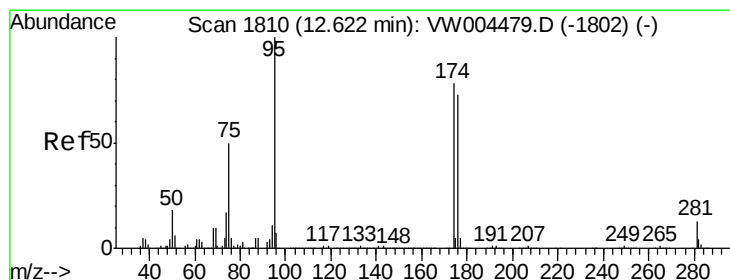
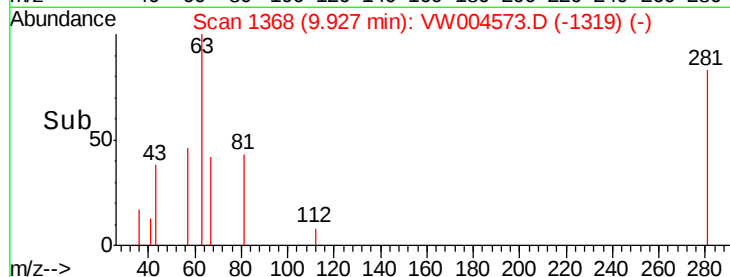
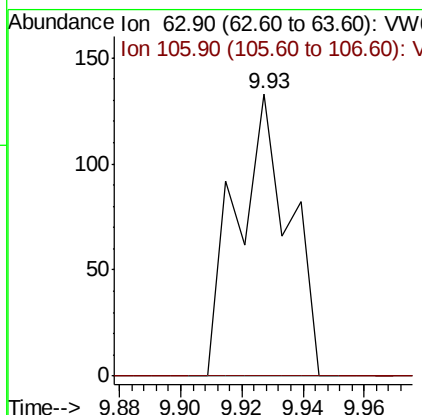
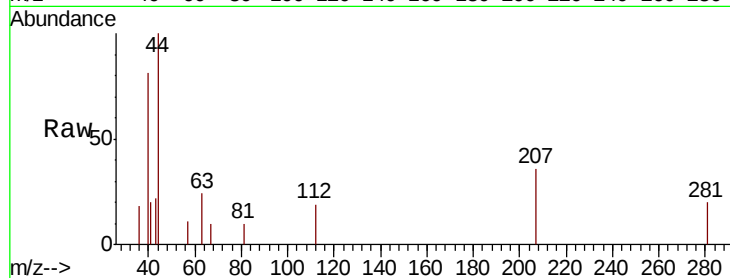




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.984 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

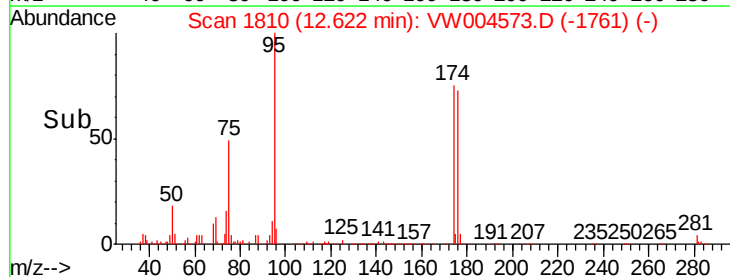
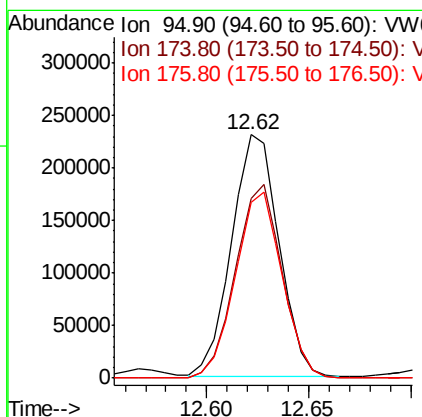
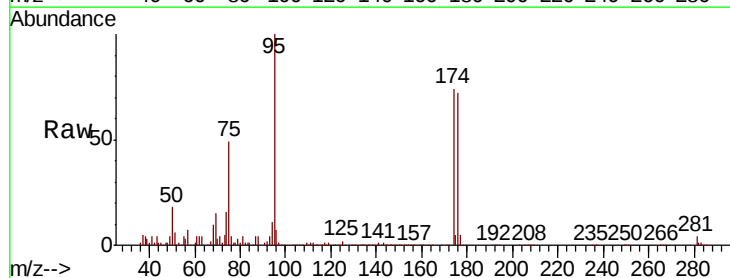
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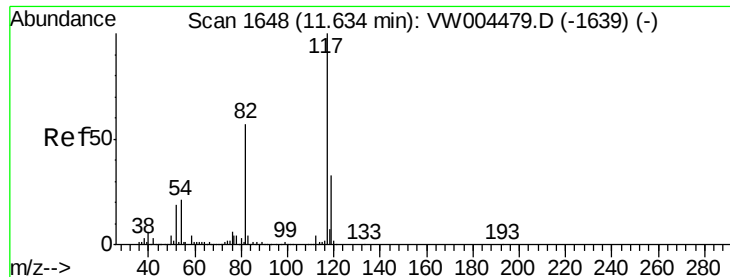
Tgt Ion: 63 Resp: 159
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 38.540 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

Tgt Ion: 95 Resp: 372344
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 160.4
 176 75.8 0.0 153.2

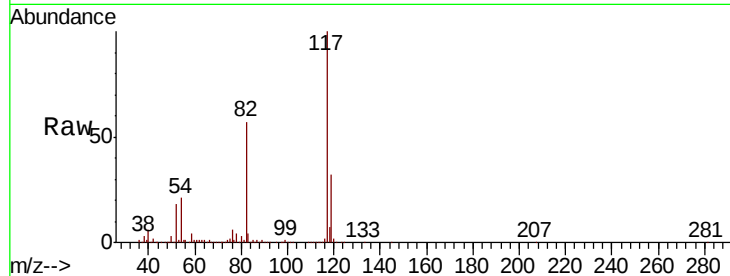




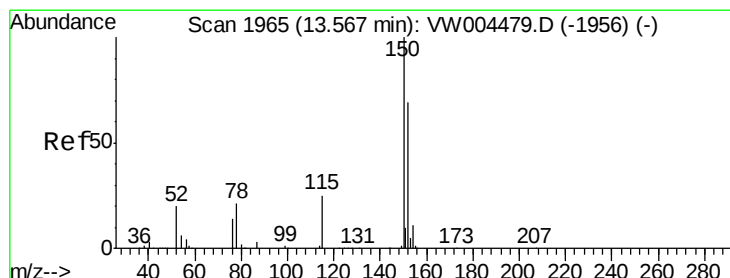
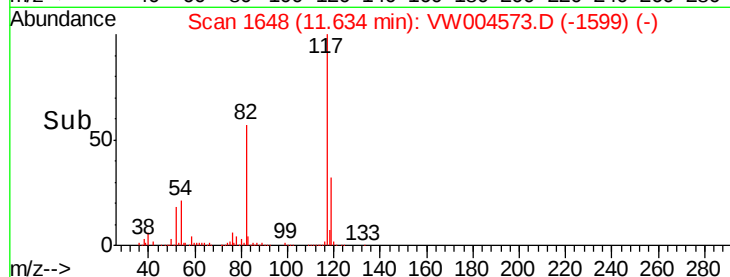
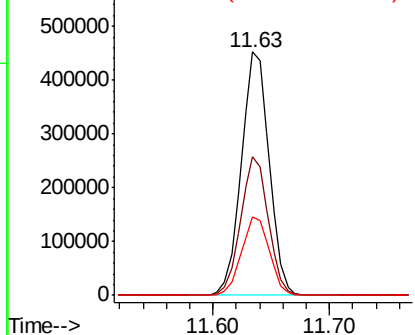
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
HR-05-080818-C

Tgt Ion:117 Resp: 755543
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 32.1 26.2 39.4

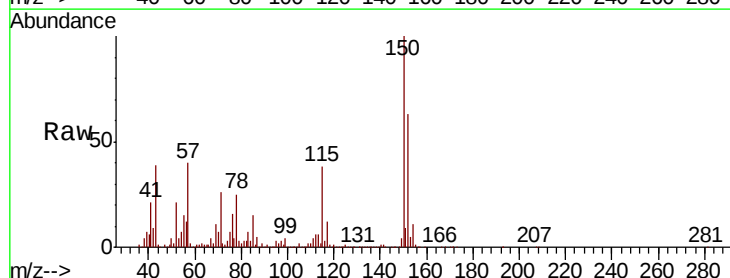


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

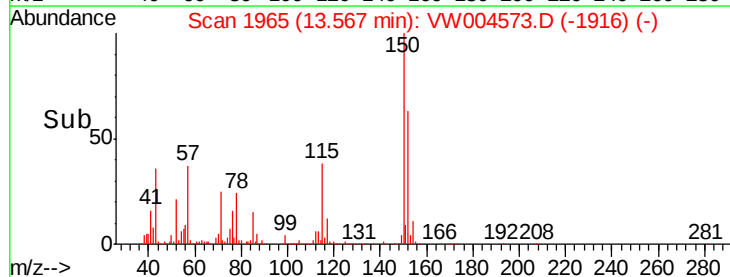
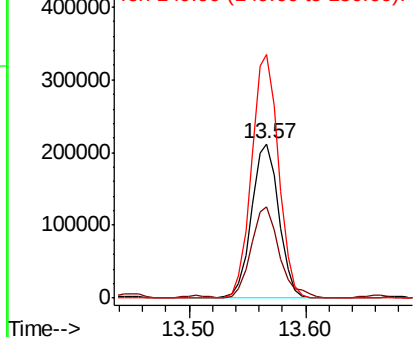


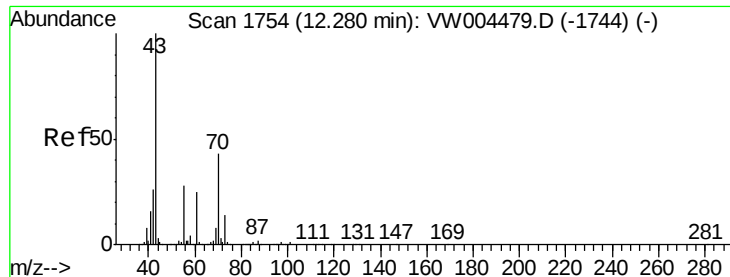
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004573.D
Acq: 10 Aug 2018 01:34

Tgt Ion:152 Resp: 345481
Ion Ratio Lower Upper
152 100
115 61.6 29.1 87.3
150 155.7 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





#74

N-ethyl acetate

Concen: 5.497 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

HR-05-080818-C

Tgt Ion: 43 Resp: 31851

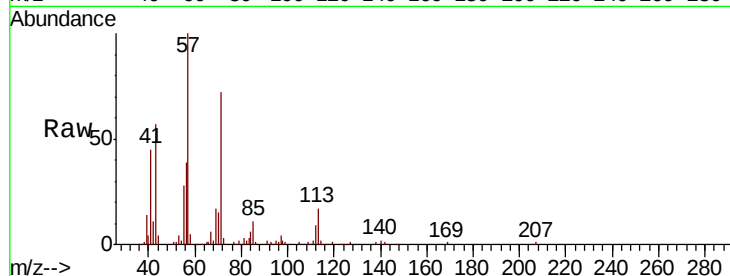
Ion Ratio Lower Upper

43 100

70 33.9 35.3 52.9#

55 0.0 22.9 34.3#

61 0.0 19.7 29.5#

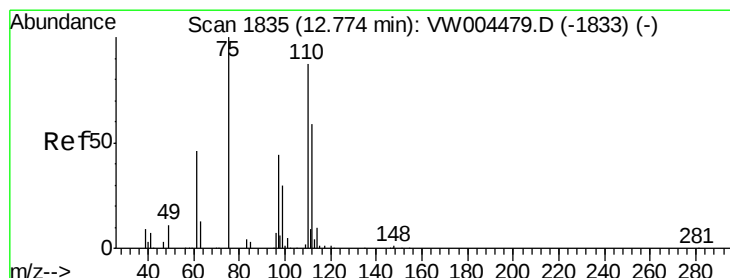
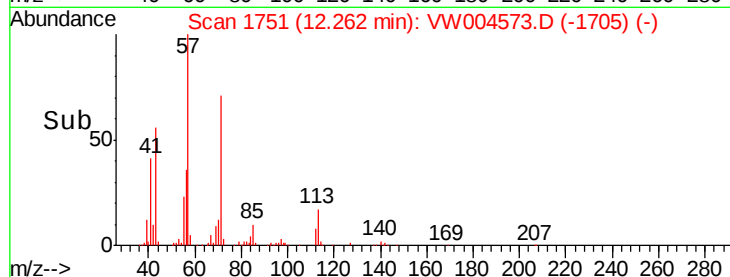
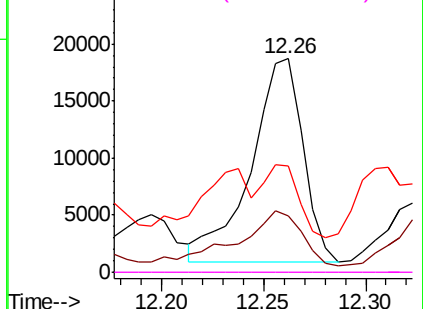


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 49.949 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004573.D

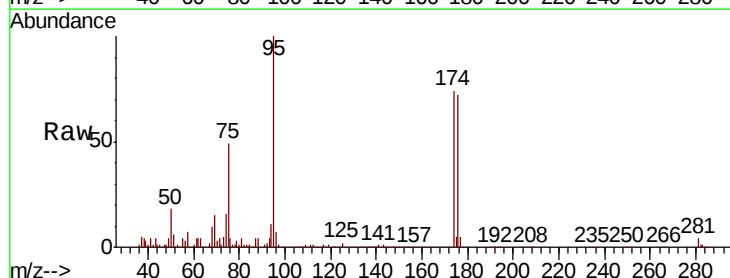
Acq: 10 Aug 2018 01:34

Tgt Ion: 75 Resp: 178565

Ion Ratio Lower Upper

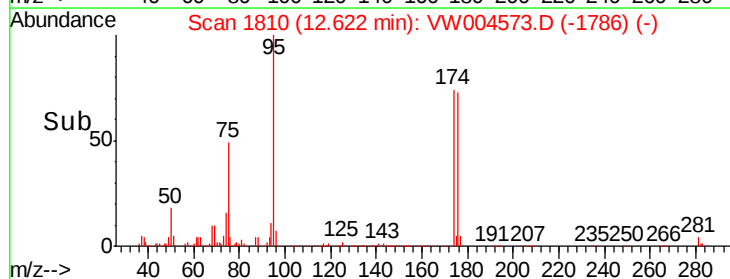
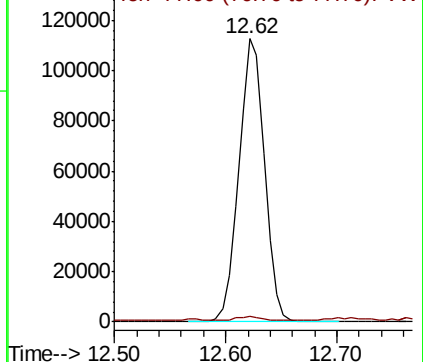
75 100

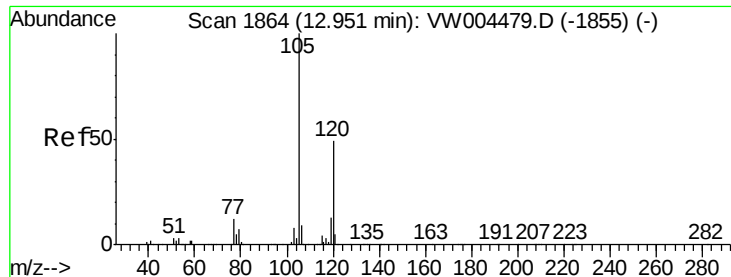
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

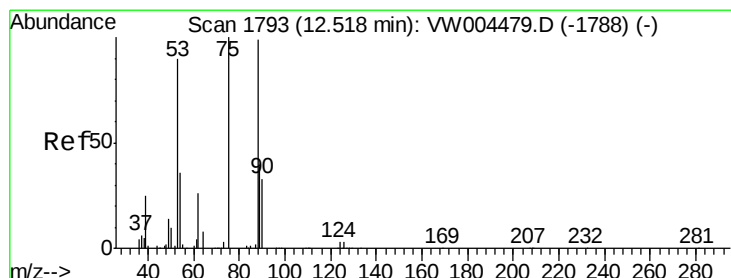
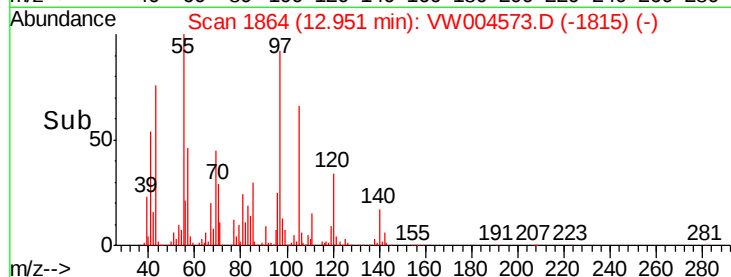
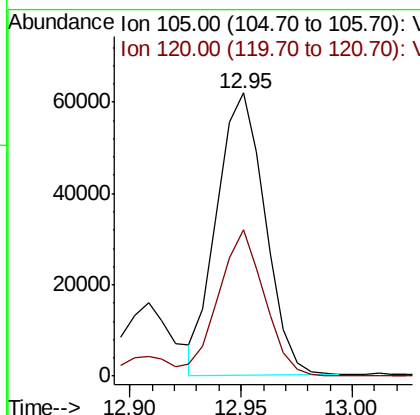
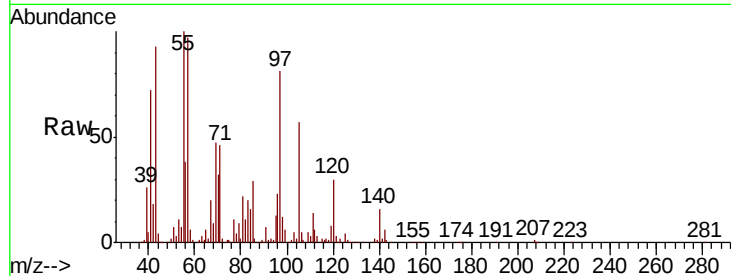




#80
 1,3,5-Trimethylbenzene
 Concen: 4.562 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

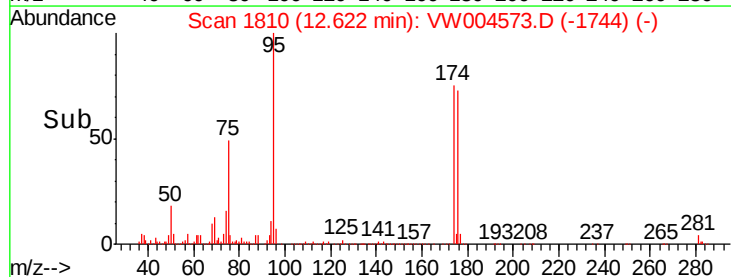
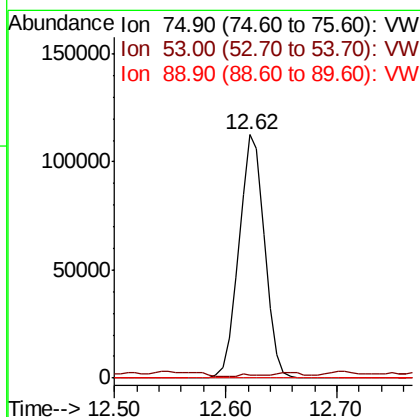
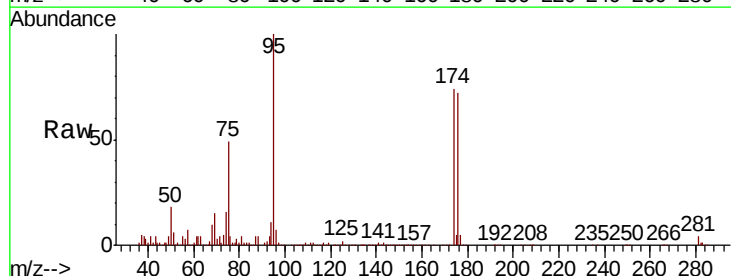
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-080818-C

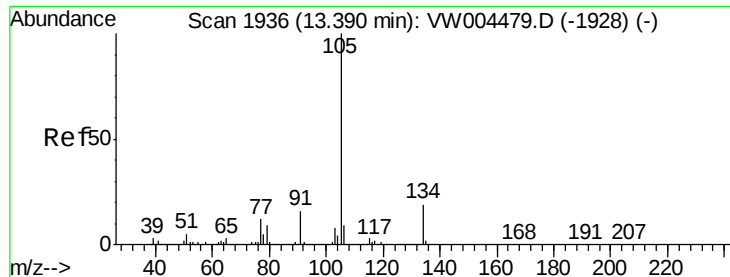
Tgt Ion: 105 Resp: 93001
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.571 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004573.D
 Acq: 10 Aug 2018 01:34

Tgt Ion: 75 Resp: 178565
 Ion Ratio Lower Upper
 75 100
 53 0.8 74.4 111.6#
 89 0.1 35.9 53.9#





#85

sec-Butylbenzene

Concen: 1.581 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

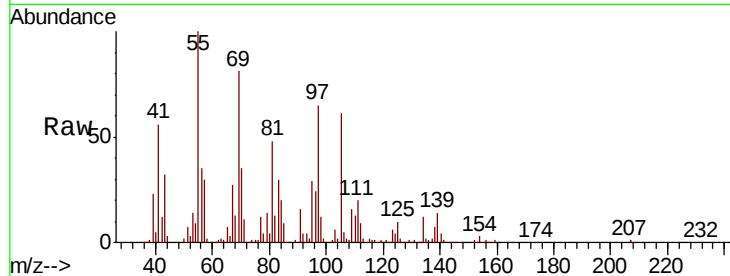
HR-05-080818-C

Tgt Ion:105 Resp: 40771

Ion Ratio Lower Upper

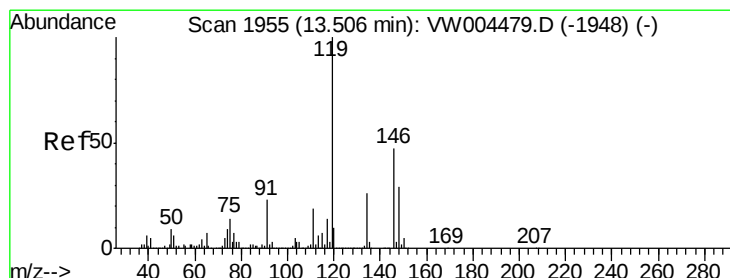
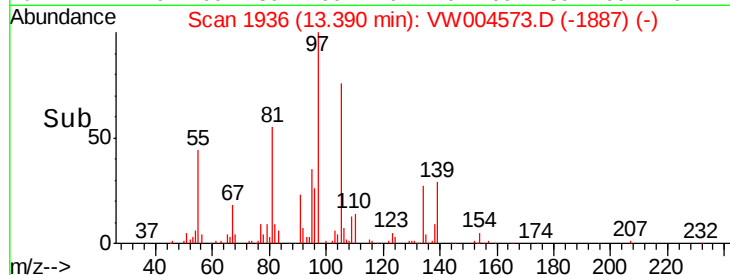
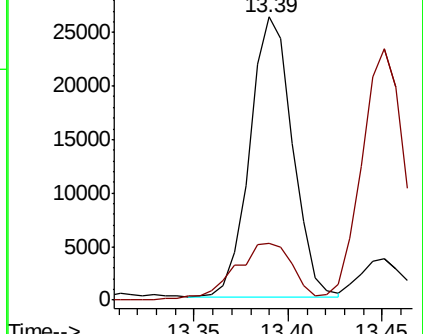
105 100

134 27.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.990 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

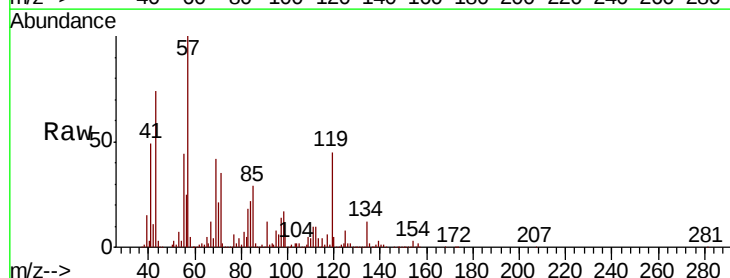
Tgt Ion:119 Resp: 66841

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

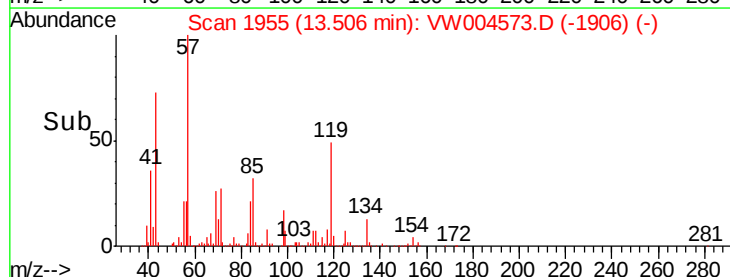
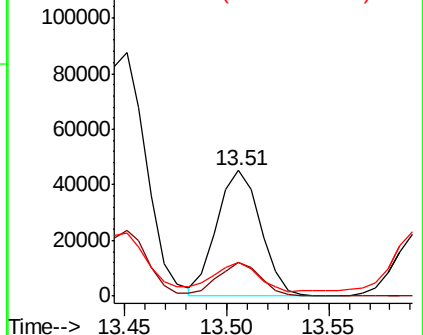
91 22.2 11.4 34.1

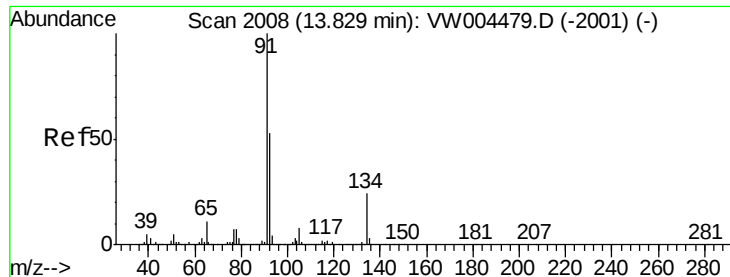


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW





#89

n-Butylbenzene

Concen: 3.607 ug/l

RT: 13.80 min Scan# 2003

Delta R.T. -0.03 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

HR-05-080818-C

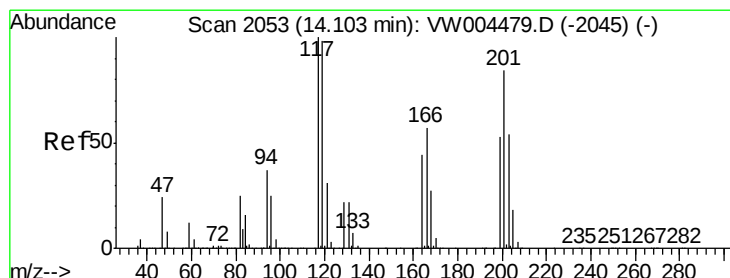
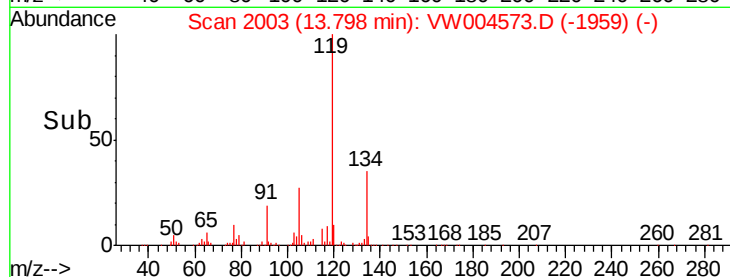
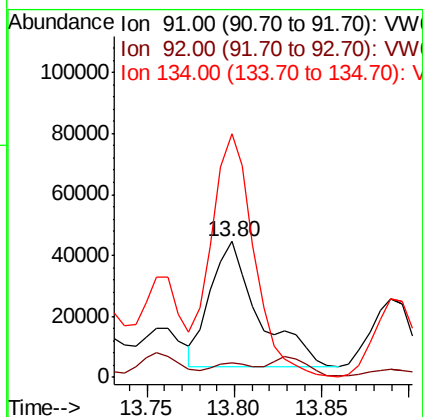
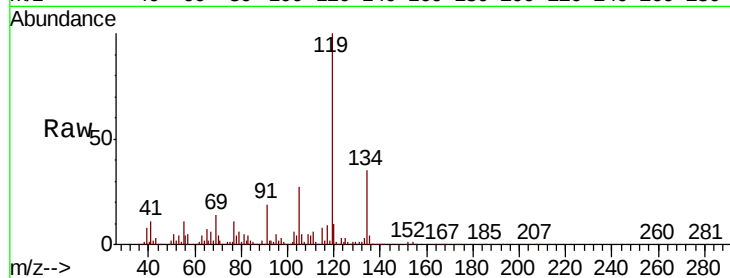
Tgt Ion: 91 Resp: 79218

Ion Ratio Lower Upper

91 100

92 8.1 26.4 79.0#

134 171.3 12.4 37.2#



#90

Hexachloroethane

Concen: 7.010 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004573.D

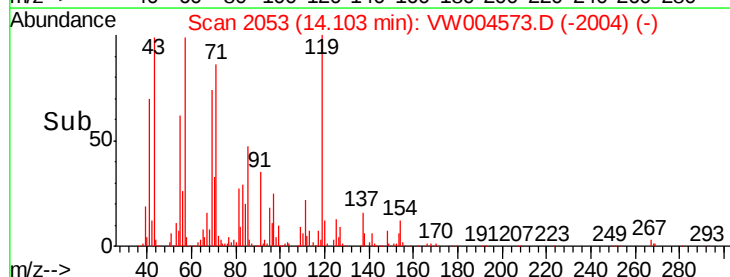
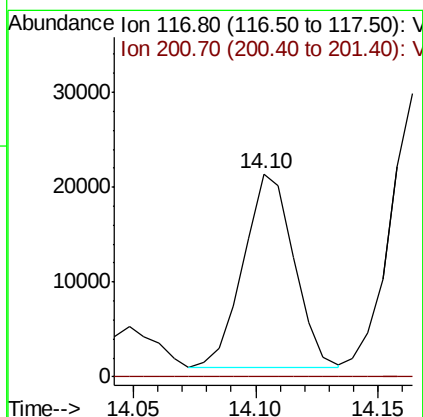
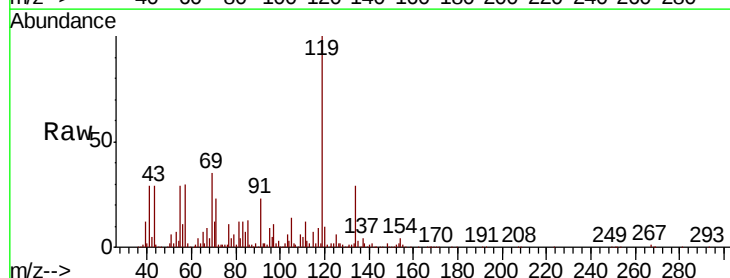
Acq: 10 Aug 2018 01:34

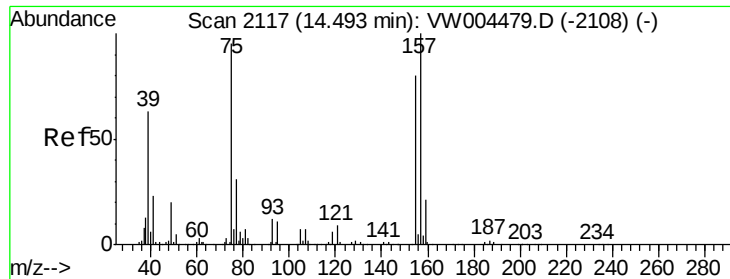
Tgt Ion: 117 Resp: 28991

Ion Ratio Lower Upper

117 100

201 0.2 40.1 120.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.333 ug/l

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

HR-05-080818-C

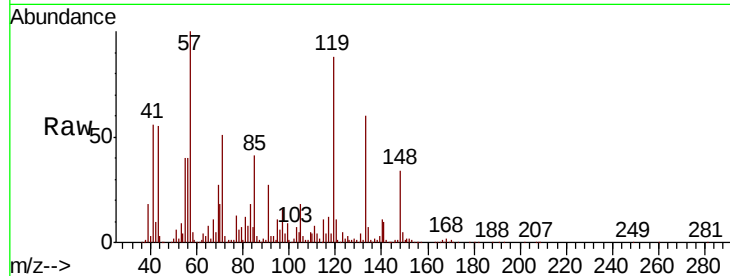
Tgt Ion: 75 Resp: 2717

Ion Ratio Lower Upper

75 100

155 43.7 41.3 123.7

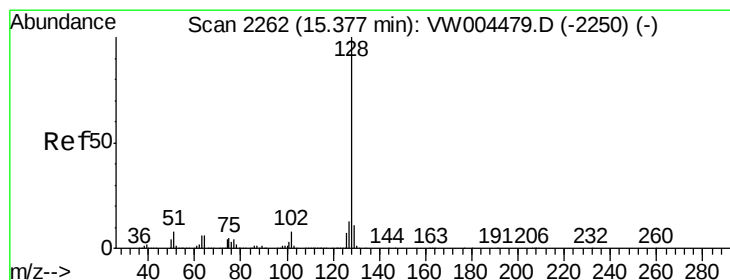
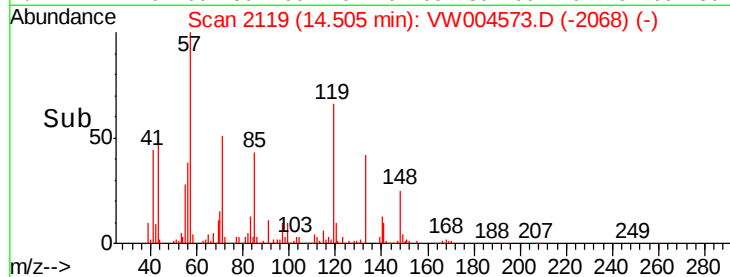
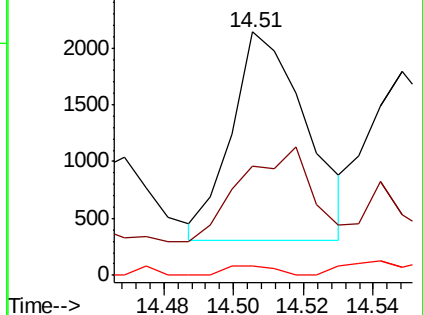
157 3.1 52.6 157.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.207 ug/l

RT: 15.33 min Scan# 2255

Delta R.T. -0.04 min

Lab File: VW004573.D

Acq: 10 Aug 2018 01:34

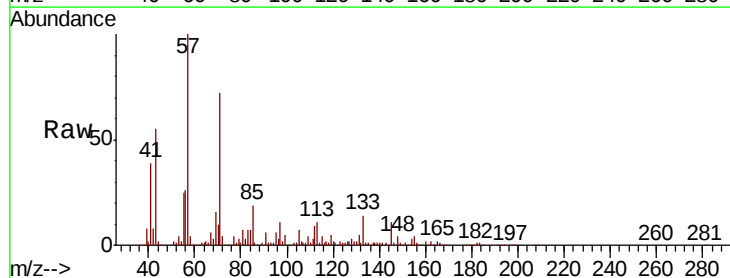
Tgt Ion: 128 Resp: 21184

Ion Ratio Lower Upper

128 100

127 86.9 10.3 15.5#

129 70.9 8.6 13.0#



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

