

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004537.D
 Acq On : 08 Aug 2018 19:51
 Operator : SY/AP
 Sample : J4310-01RE
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-080718-C

Quant Time: Aug 09 05:15:49 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	443972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	743750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	676768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	268006	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	405863	82.58	ug/l	0.00
Spiked Amount			Recovery	=	165.16%	
35) Dibromofluoromethane	7.88	113	378244	76.27	ug/l	0.00
Spiked Amount			Recovery	=	152.54%	
50) Toluene-d8	10.33	98	1290906	68.28	ug/l	0.00
Spiked Amount			Recovery	=	136.56%	
62) 4-Bromofluorobenzene	12.62	95	403418	59.24	ug/l	0.00
Spiked Amount			Recovery	=	118.48%	

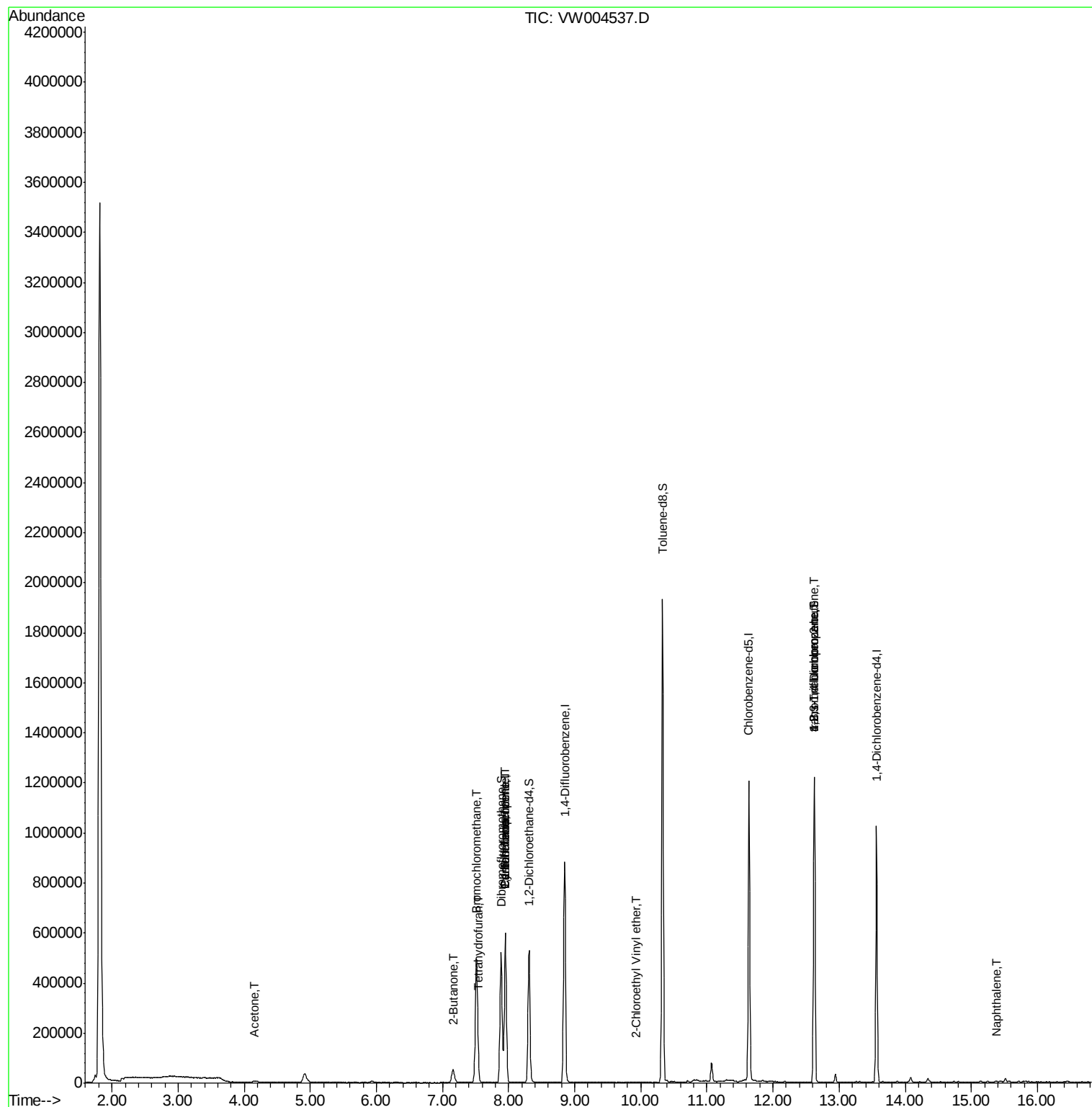
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	12069	9.833	ug/l	95
20) Methylene Chloride	4.91	84	33793	Below Cal		96
25) 2-Butanone	7.17	43	3622	1.835	ug/l	91
28) Bromochloromethane	7.51	49	313723	74.939	ug/l	100
29) Tetrahydrofuran	7.54	42	3025	2.964	ug/l #	78
31) Cyclohexane	7.95	56	9554	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	35541	4.438	ug/l #	49
38) Carbon Tetrachloride	7.95	117	42636	5.917	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	712	9.195	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	196540	70.869	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	196540	169.652	ug/l #	12
95) Naphthalene	15.38	128	3320	3.176	ug/l #	95

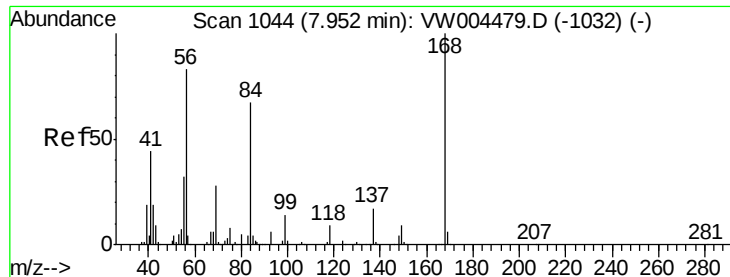
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW004537.D

Acq: 08 Aug 2018 19:51

Instrument :

MSVOA_W

ClientSampleId :

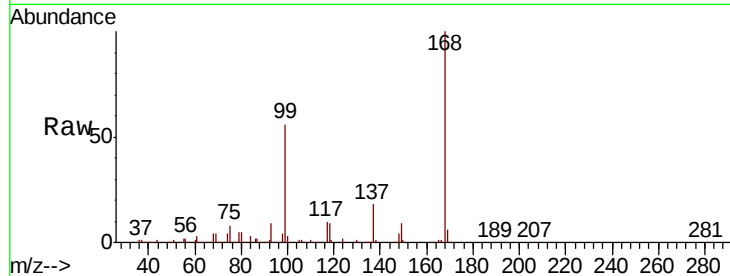
CL-02-080718-C

Tgt Ion:168 Resp: 443972

Ion Ratio Lower Upper

168 100

99 56.1 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

200000

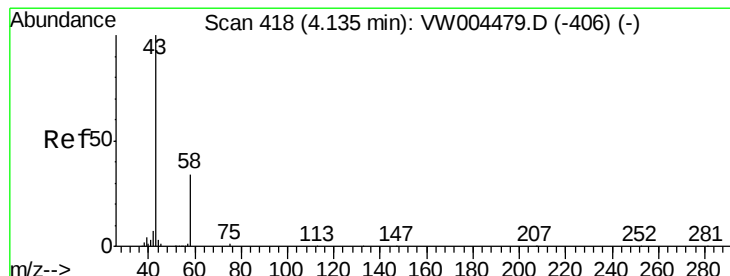
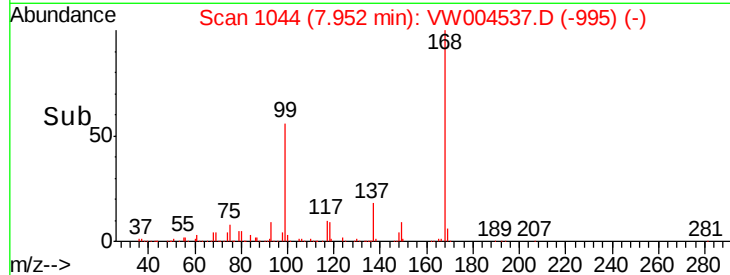
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.833 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.02 min

Lab File: VW004537.D

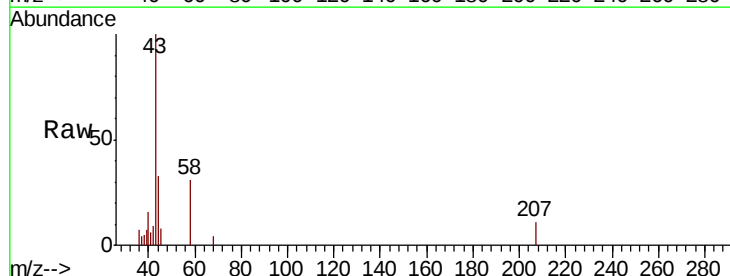
Acq: 08 Aug 2018 19:51

Tgt Ion: 43 Resp: 12069

Ion Ratio Lower Upper

43 100

58 30.7 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

3000

2500

2000

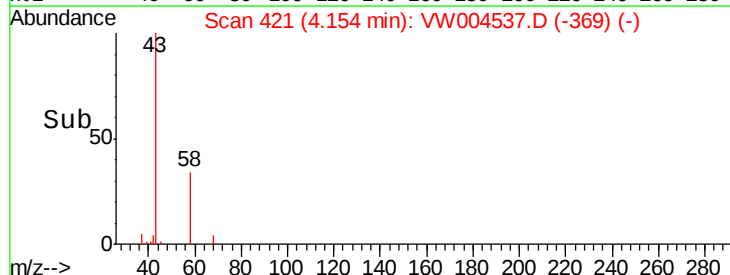
1500

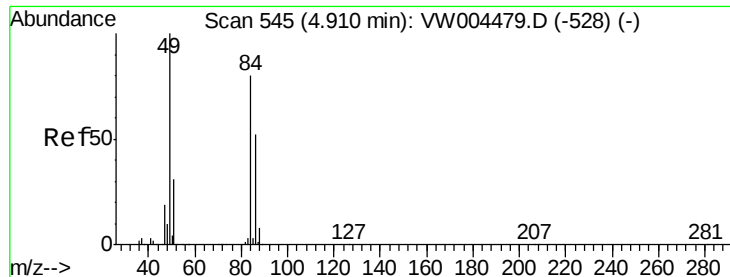
1000

500

0

Time-->

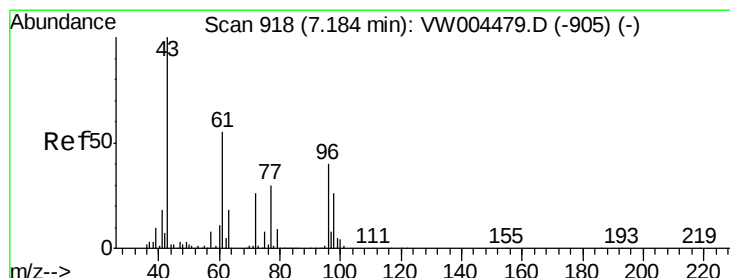
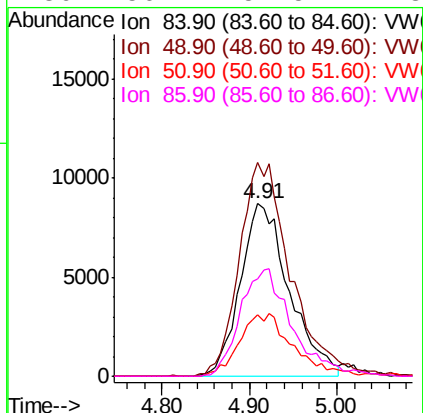
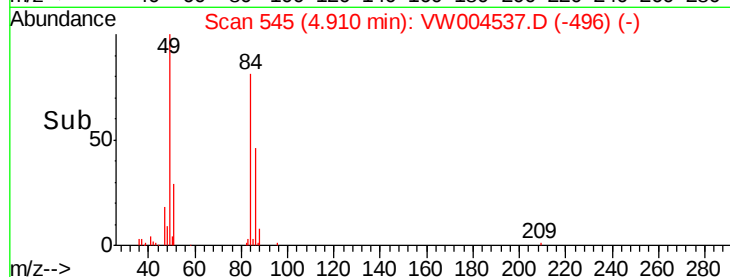
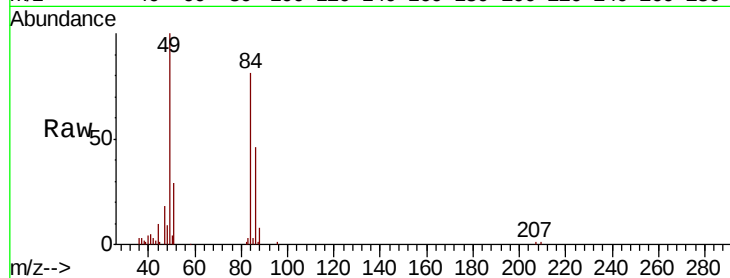




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

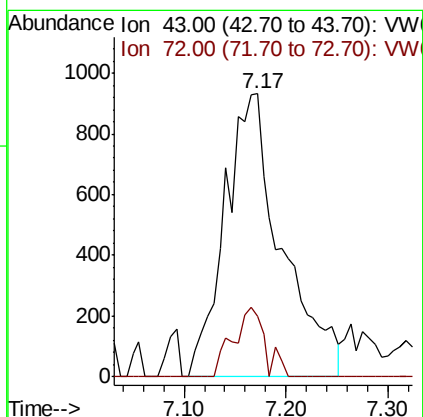
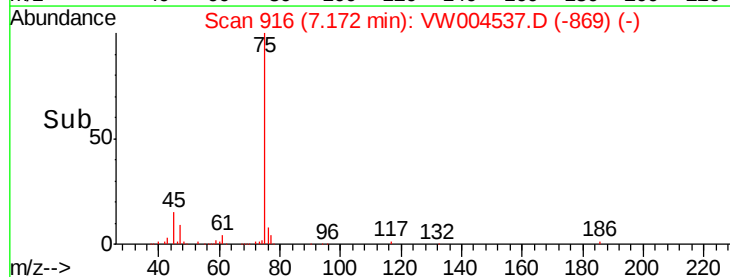
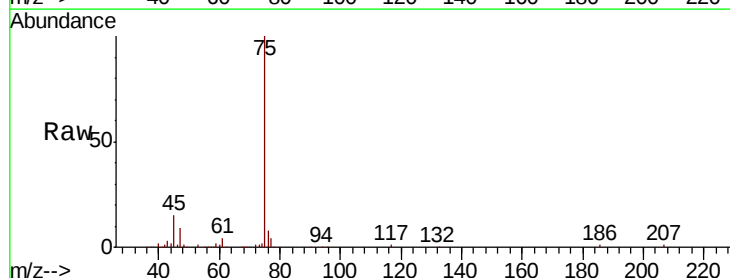
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-C

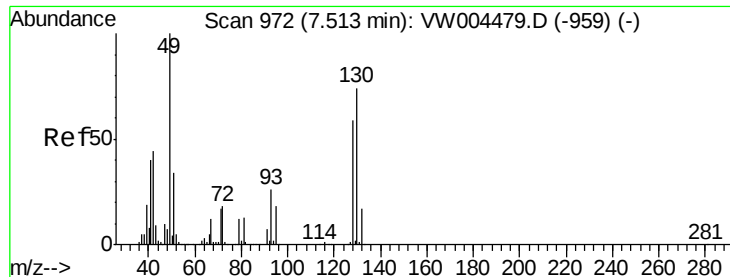
Tgt Ion: 84 Resp: 33793
Ion Ratio Lower Upper
84 100
49 123.8 99.6 149.4
51 35.6 31.0 46.4
86 56.4 51.5 77.3



#25
2-Butanone
Concen: 1.835 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
72 21.6 21.0 31.6

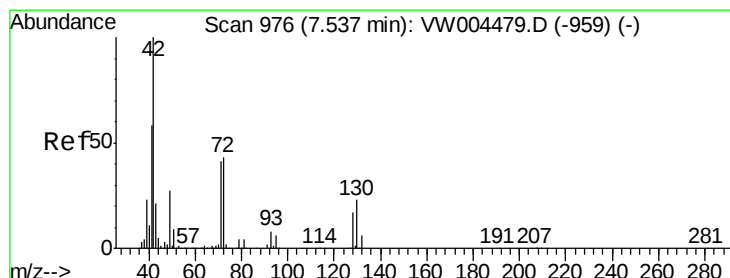
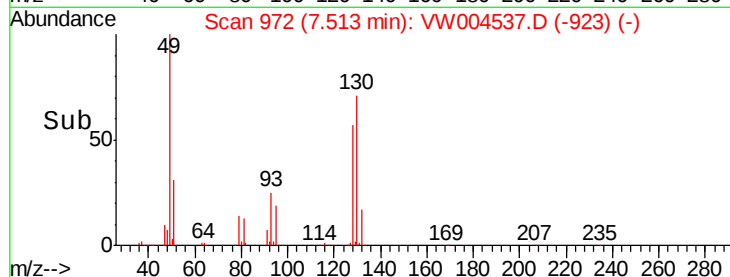
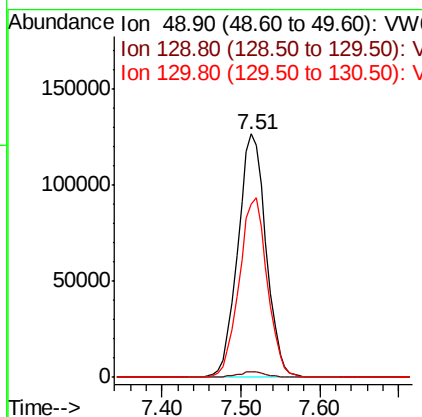
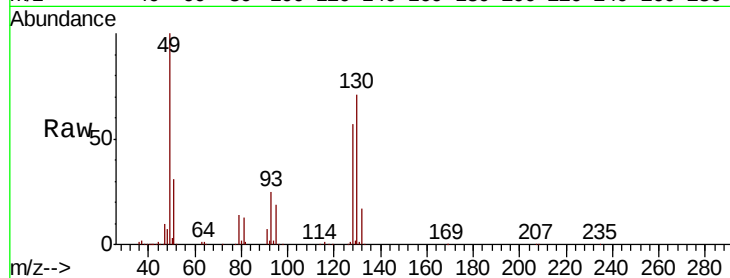




#28
Bromochloromethane
Concen: 74.939 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

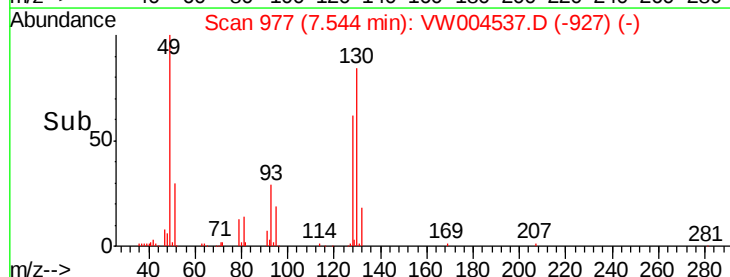
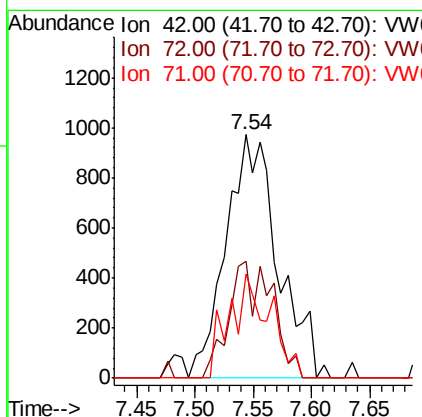
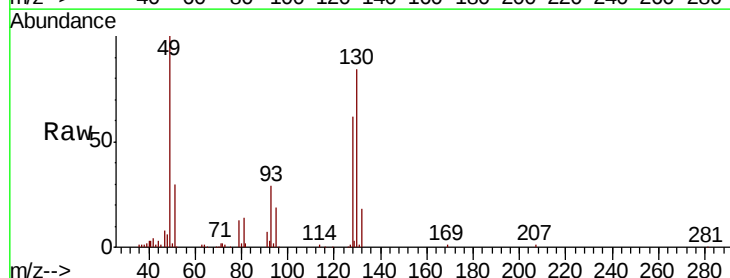
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-C

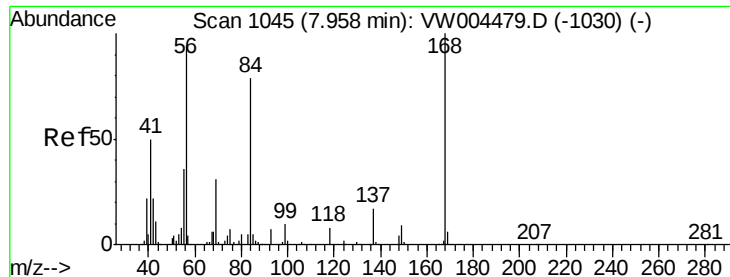
Tgt Ion: 49 Resp: 313723
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.0
130 73.7 58.8 88.2



#29
Tetrahydrofuran
Concen: 2.964 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Tgt Ion: 42 Resp: 3025
Ion Ratio Lower Upper
42 100
72 22.0 34.1 51.1#
71 33.4 32.5 48.7

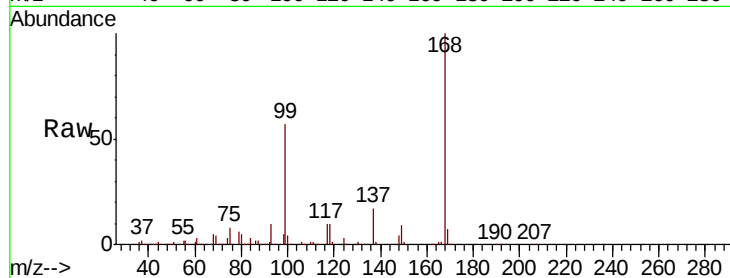




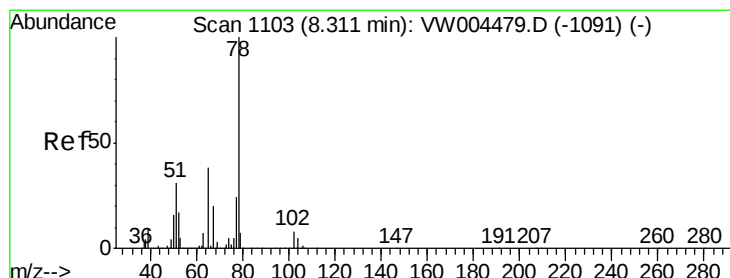
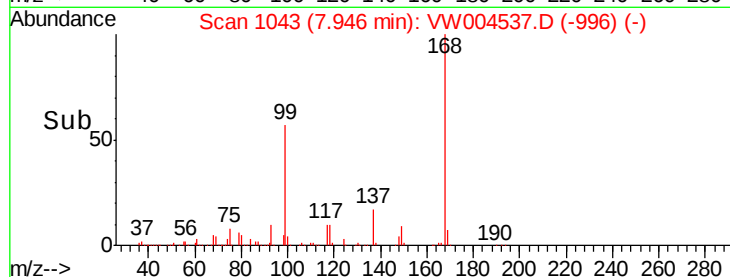
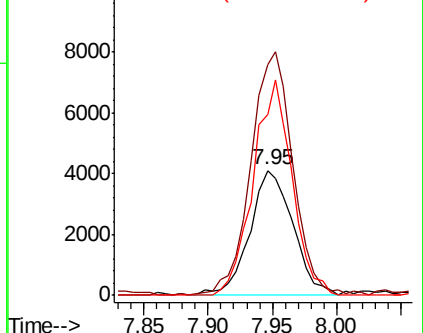
#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-C

Tgt Ion: 56 Resp: 9554
Ion Ratio Lower Upper
56 100
69 184.3 26.4 39.6#
84 145.2 66.9 100.3#

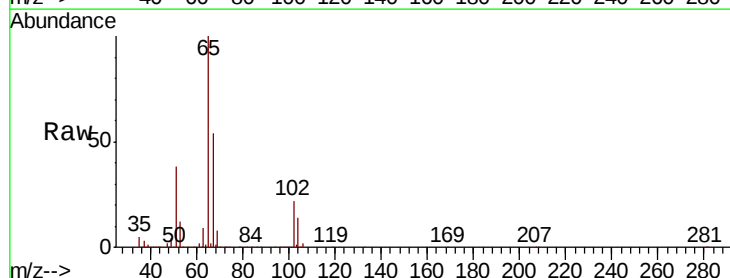


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

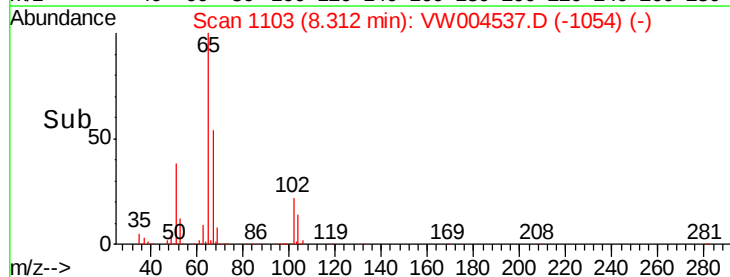
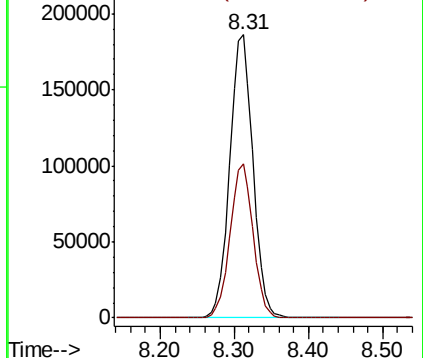


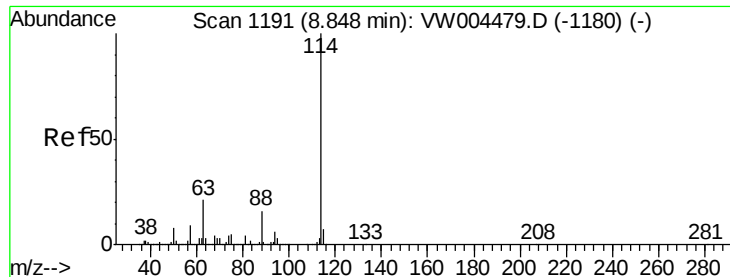
#33
1,2-Dichloroethane-d4
Concen: 82.583 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Tgt Ion: 65 Resp: 405863
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0



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: VW004537.D

Acq: 08 Aug 2018 19:51

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-C

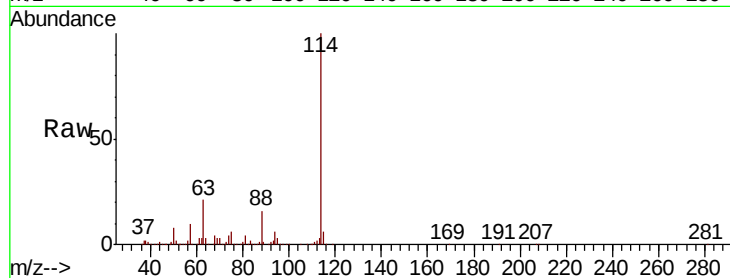
Tgt Ion:114 Resp: 743750

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

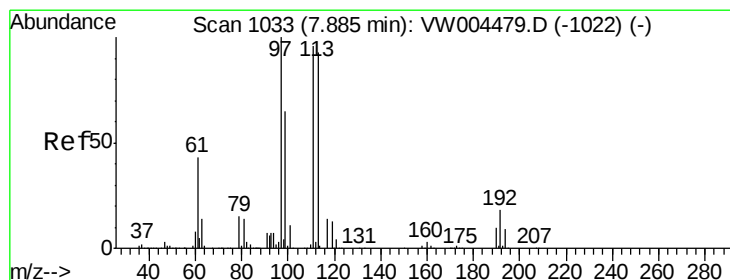
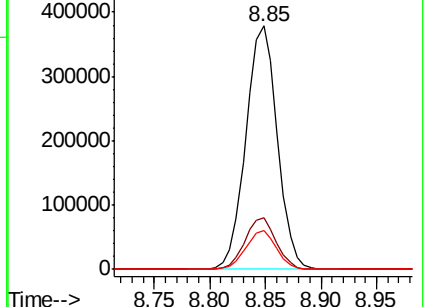
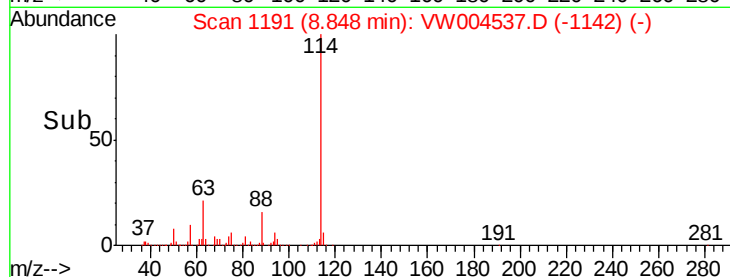
88 16.1 0.0 31.2



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: 76.273 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004537.D

Acq: 08 Aug 2018 19:51

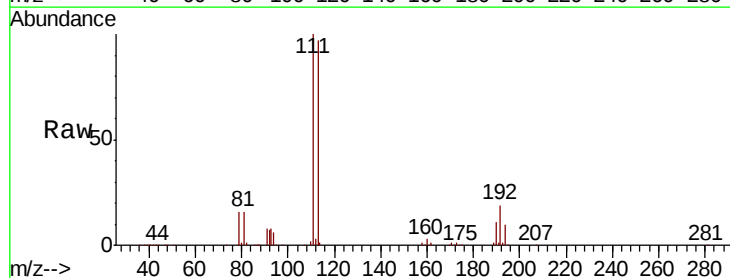
Tgt Ion:113 Resp: 378244

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

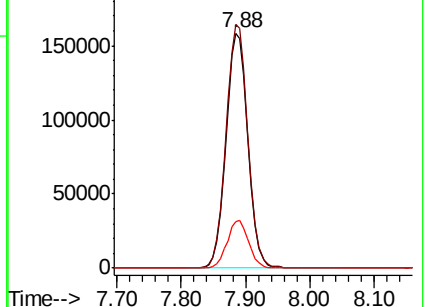
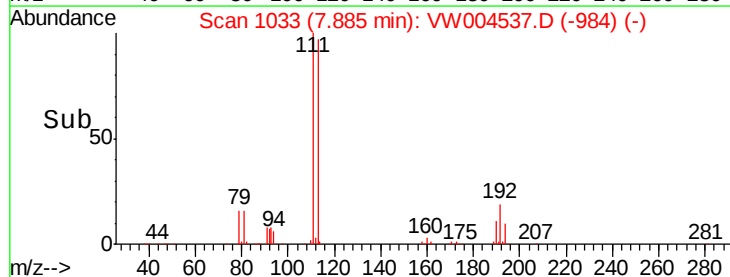
192 20.1 15.8 23.6

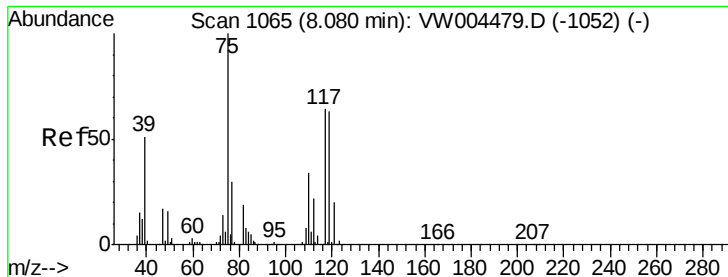


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004537.D

Acq: 08 Aug 2018 19:51

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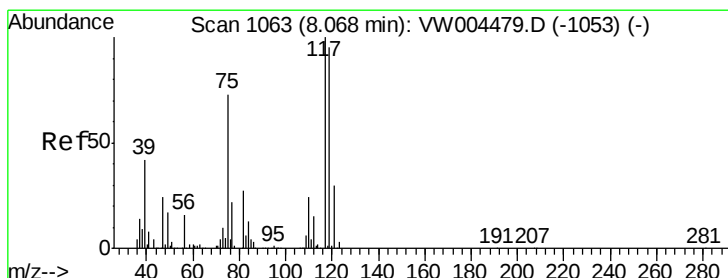
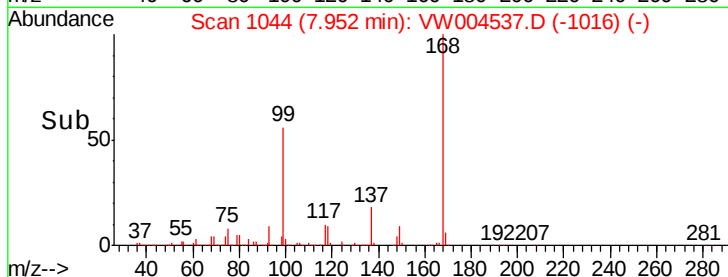
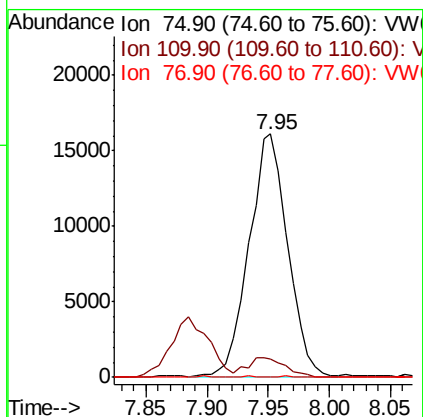
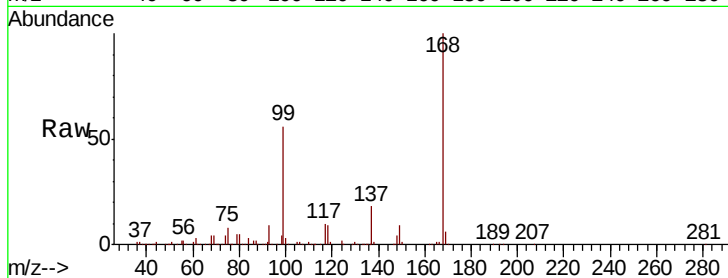
Tgt Ion: 75 Resp: 35541

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

77 0.2 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.917 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004537.D

Acq: 08 Aug 2018 19:51

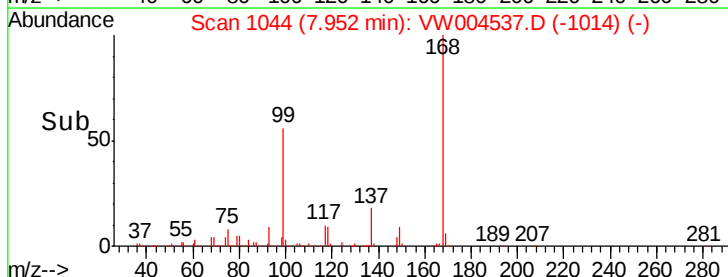
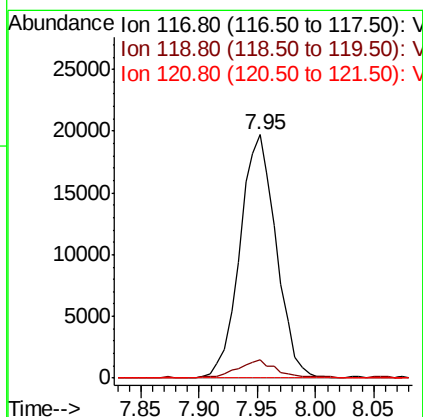
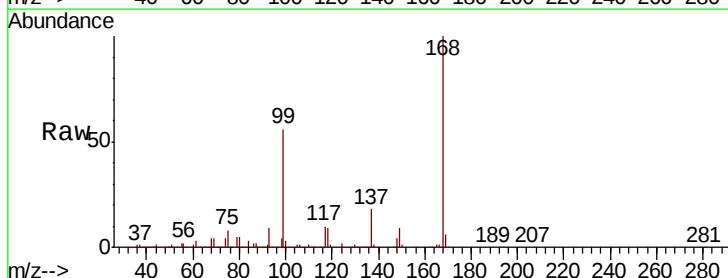
Tgt Ion: 117 Resp: 42636

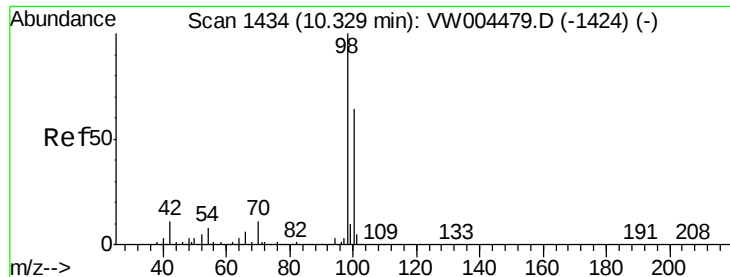
Ion Ratio Lower Upper

117 100

119 7.3 76.1 114.1#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 68.281 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004537.D

Acq: 08 Aug 2018 19:51

Instrument :

MSVOA_W

ClientSampleId :

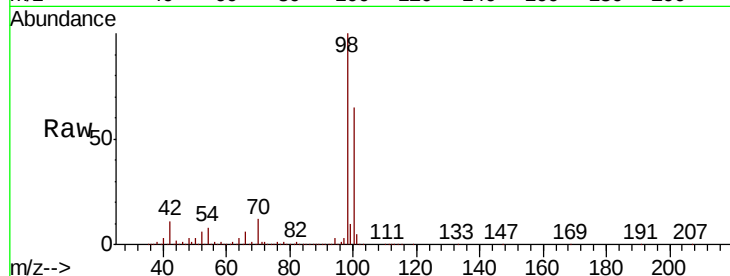
CL-02-080718-C

Tgt Ion: 98 Resp: 1290906

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

800000

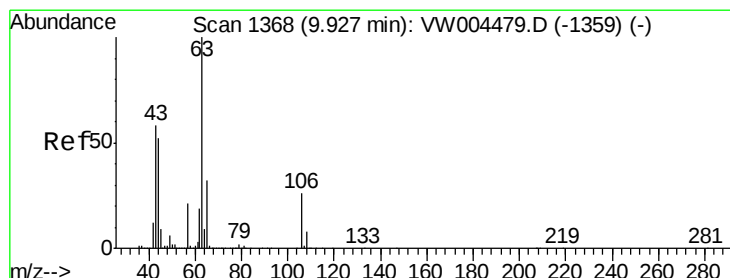
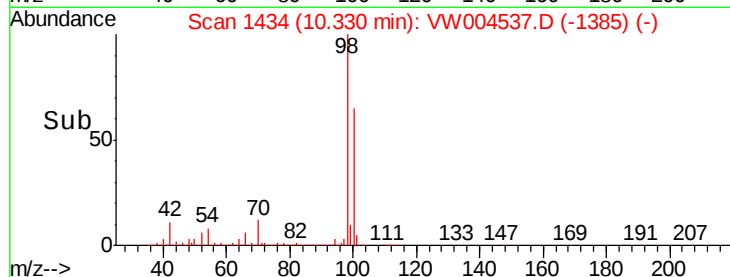
600000

400000

200000

0

Time--> 10.20 10.30 10.40



#58

2-Chloroethyl Vinyl ether

Concen: 9.195 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004537.D

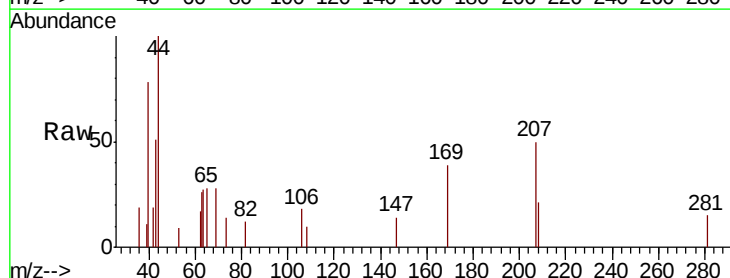
Acq: 08 Aug 2018 19:51

Tgt Ion: 63 Resp: 712

Ion Ratio Lower Upper

63 100

106 8.6 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

400

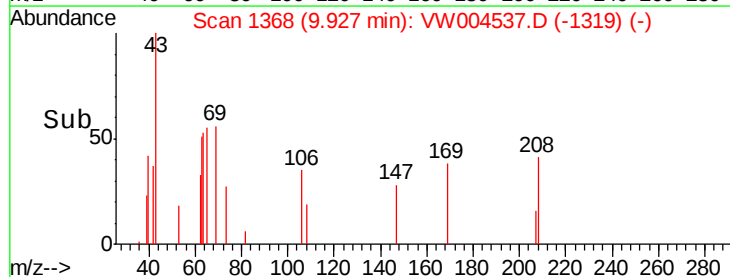
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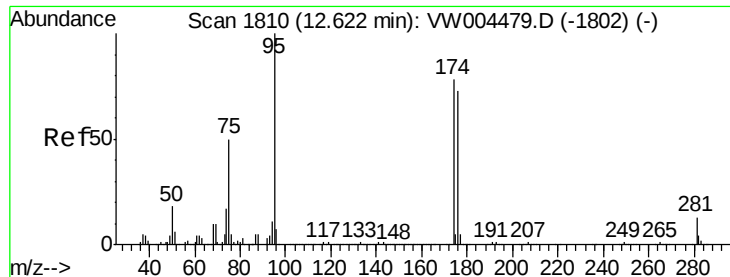
200

100

0

Time--> 9.85 9.90 9.95

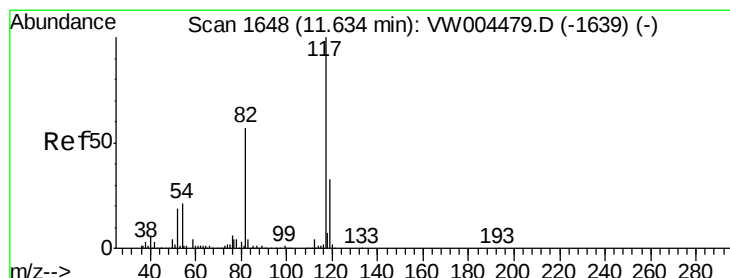
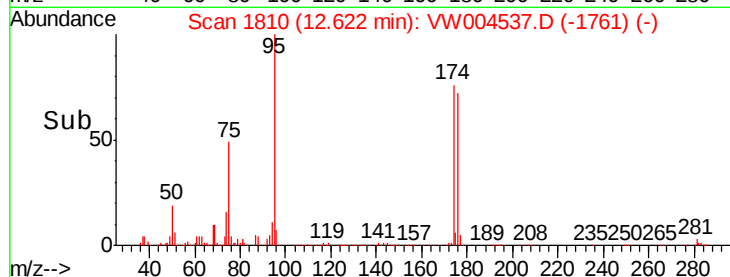
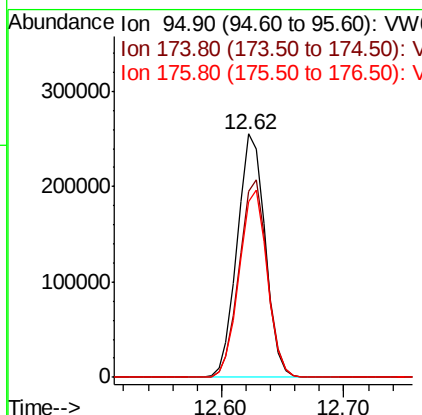
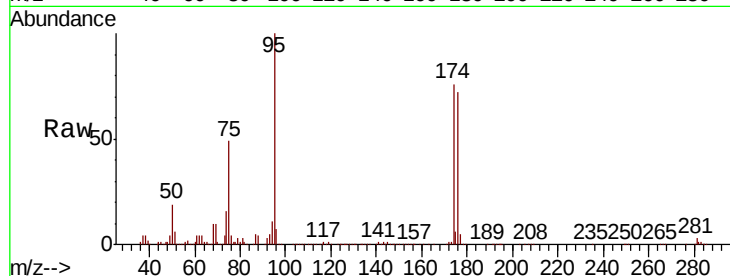




#62
4-Bromofluorobenzene
Concen: 59.237 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

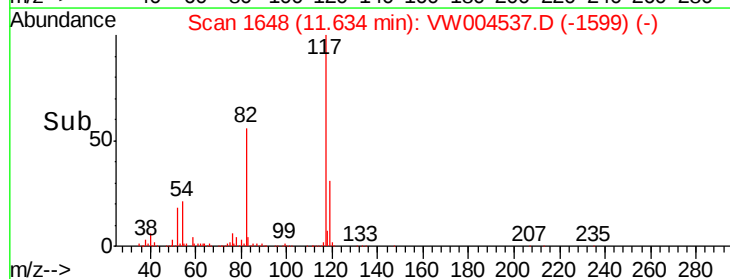
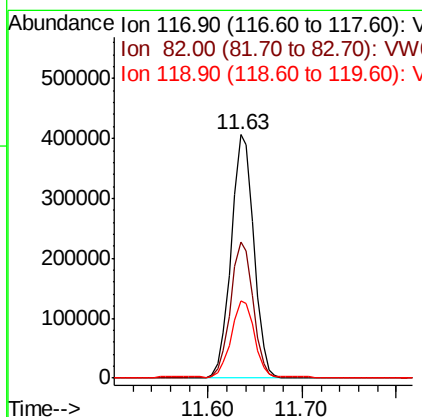
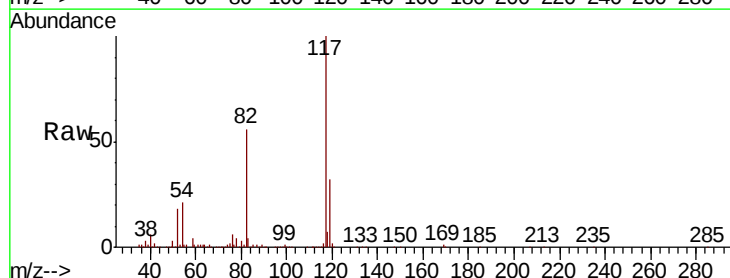
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-C

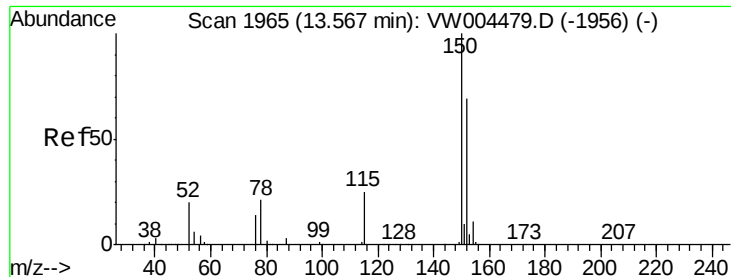
Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	160.4
176	77.4	0.0	153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.3	67.9
119	31.5	26.2	39.4



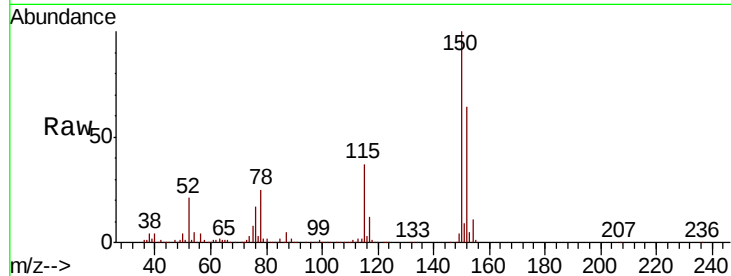


#72

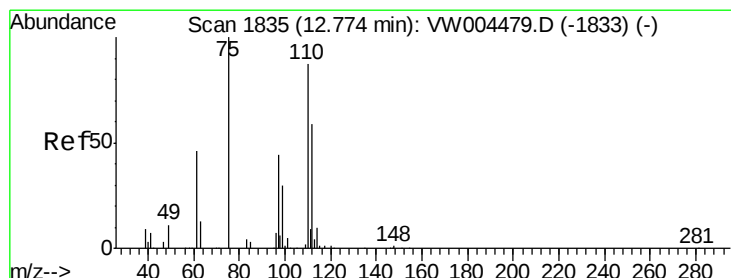
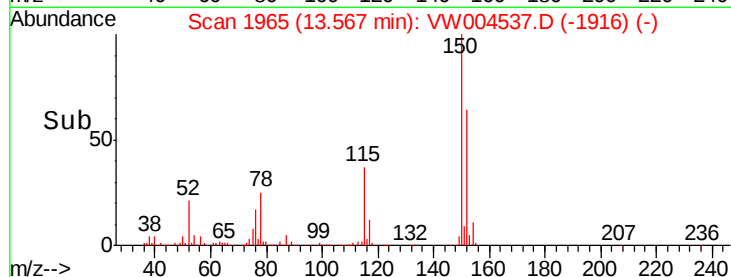
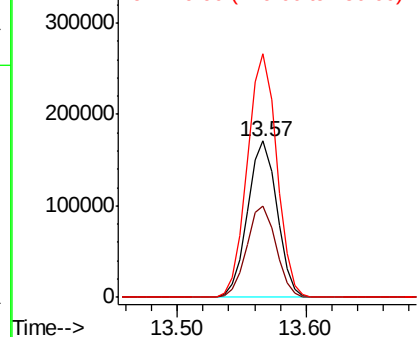
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-C

Tgt Ion: 152 Resp: 268006
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.3
150 155.6 0.0 349.6



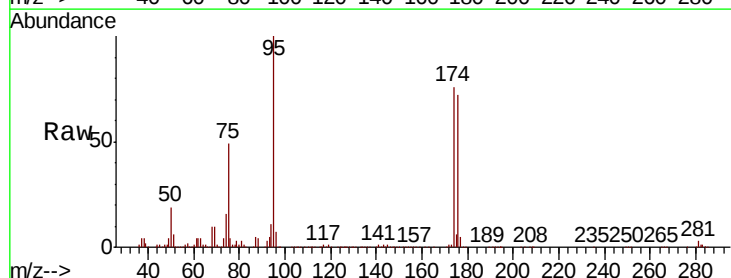
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



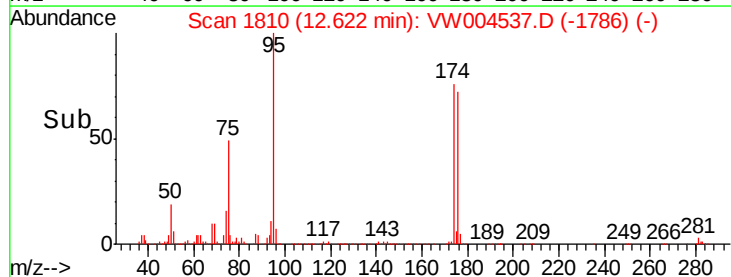
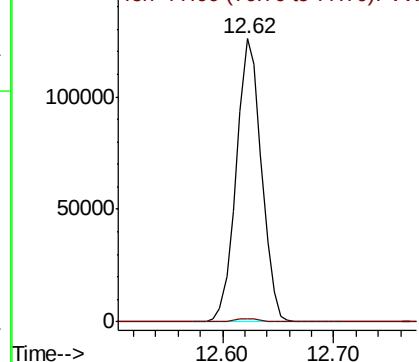
#76

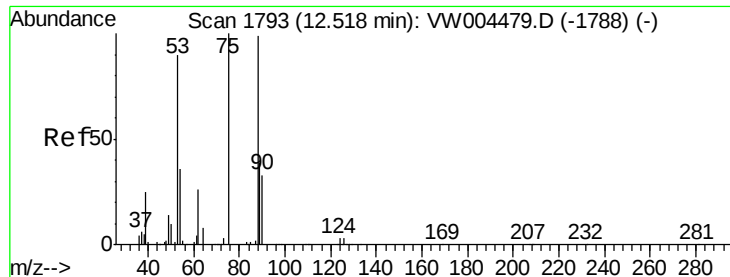
1,2,3-Trichloropropane
Concen: 70.869 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004537.D
Acq: 08 Aug 2018 19:51

Tgt Ion: 75 Resp: 196540
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

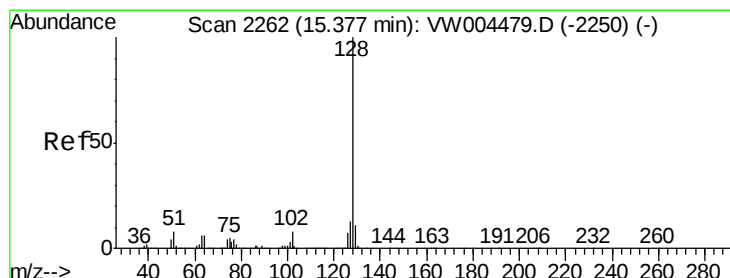
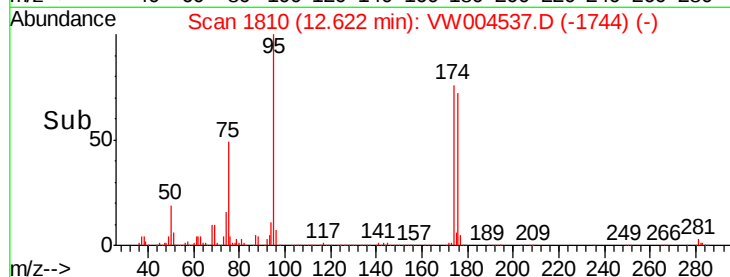
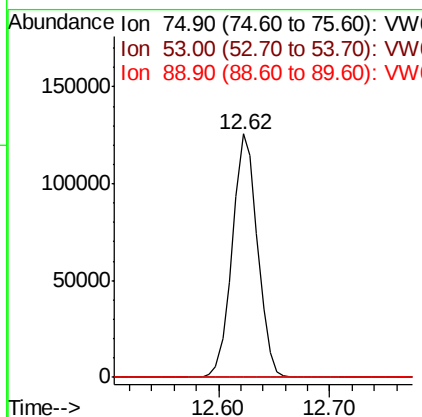
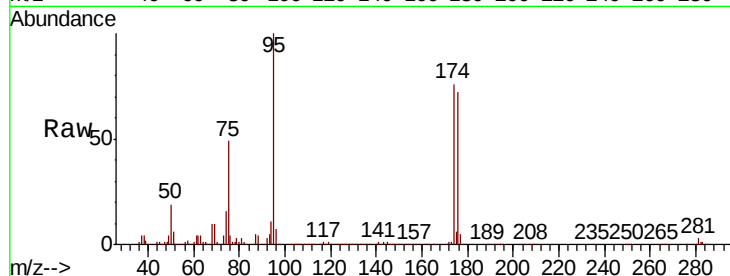




#81
 trans-1,4-Dichloro-2-butene
 Concen: 169.652 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004537.D
 Acq: 08 Aug 2018 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-080718-C

Tgt Ion: 75 Resp: 196540
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.4 111.6#
 89 0.0 35.9 53.9#



#95
 Naphthalene
 Concen: 3.176 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004537.D
 Acq: 08 Aug 2018 19:51

Tgt Ion: 128 Resp: 3320
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.3 15.5
 129 13.9 8.6 13.0#

