

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004554.D
 Acq On : 09 Aug 2018 03:11
 Operator : SY/AP
 Sample : J4275-07RE
 Misc : 5.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Aug 09 05:18:28 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	58806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	88242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	71117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	22128	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	40216	61.78	ug/l	0.00
Spiked Amount			Recovery	=	123.56%	
35) Dibromofluoromethane	7.88	113	36657	62.30	ug/l	0.00
Spiked Amount			Recovery	=	124.60%	
50) Toluene-d8	10.33	98	90152	40.19	ug/l	0.00
Spiked Amount			Recovery	=	80.38%	
62) 4-Bromofluorobenzene	12.62	95	22290	27.59	ug/l	0.00
Spiked Amount			Recovery	=	55.18%	

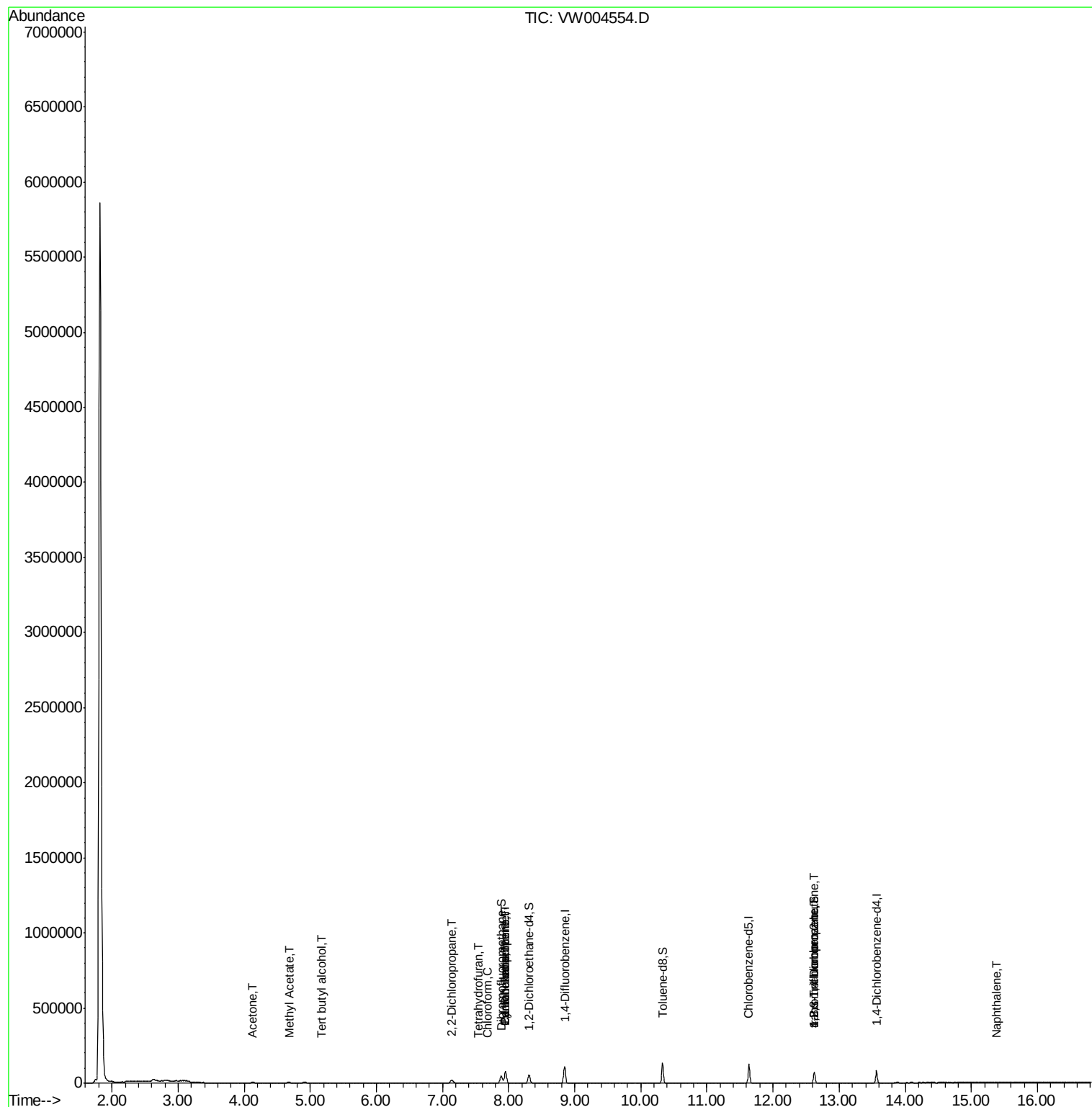
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	124	3.253	ug/l #	70
16) Acetone	4.12	43	5184	31.888	ug/l	92
18) Methyl Acetate	4.68	43	7368	18.176	ug/l #	89
20) Methylene Chloride	4.90	84	3892	Below Cal	#	83
26) 2,2-Dichloropropane	7.14	77	1472	2.201	ug/l #	50
29) Tetrahydrofuran	7.54	42	247	1.827	ug/l #	48
30) Chloroform	7.68	83	1332	1.064	ug/l #	79
31) Cyclohexane	7.95	56	1693	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5049	5.314	ug/l #	50
38) Carbon Tetrachloride	7.96	117	5681	6.645	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	11326	49.464	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11326	118.410	ug/l #	12
95) Naphthalene	15.38	128	576	3.463	ug/l #	74

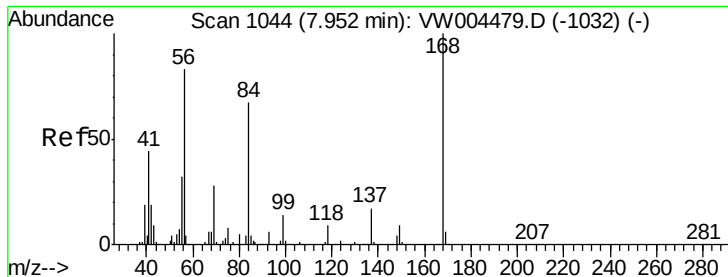
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

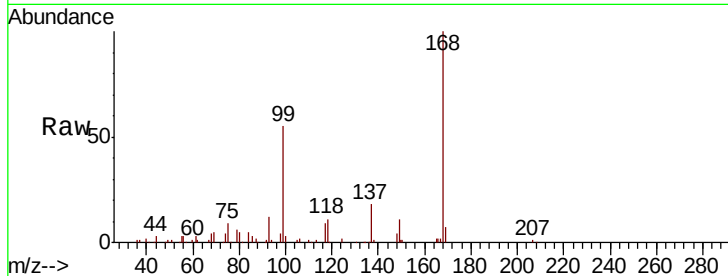
CL-02-080718-D

Tgt Ion:168 Resp: 58806

Ion Ratio Lower Upper

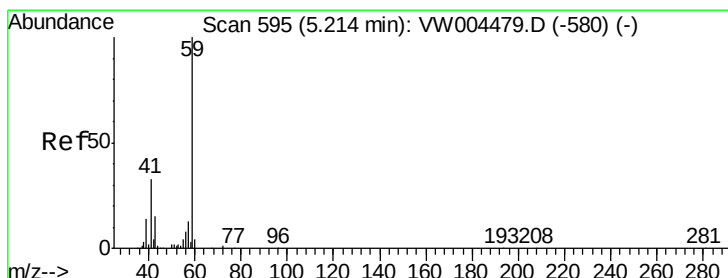
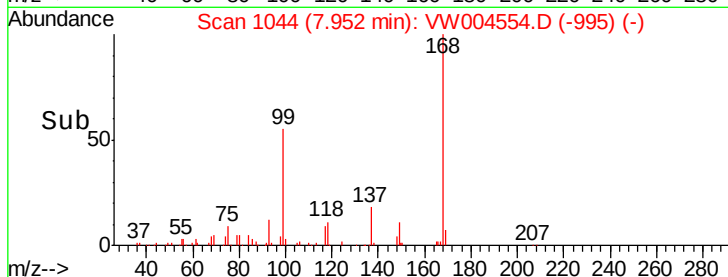
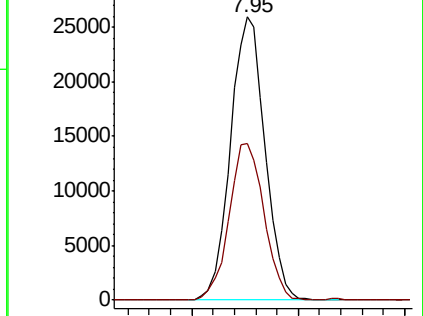
168 100

99 55.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.253 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.04 min

Lab File: VW004554.D

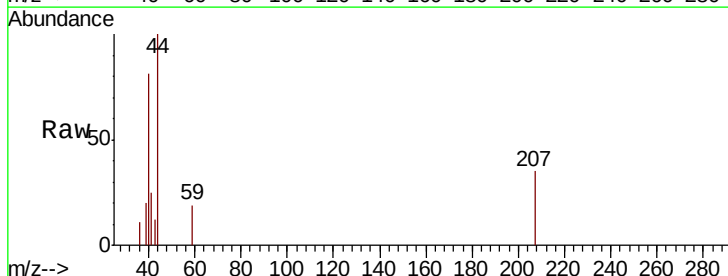
Acq: 09 Aug 2018 03:11

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

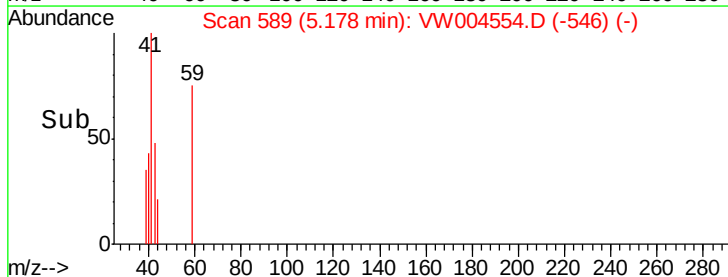
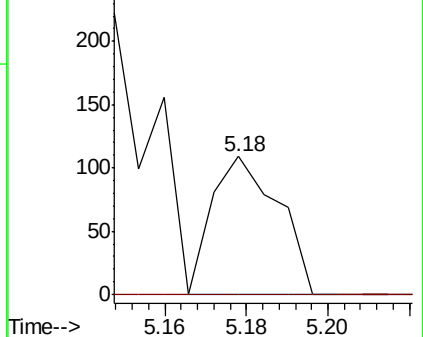
59 100

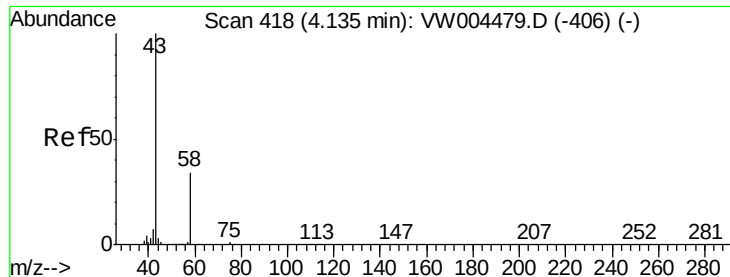
57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 31.888 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

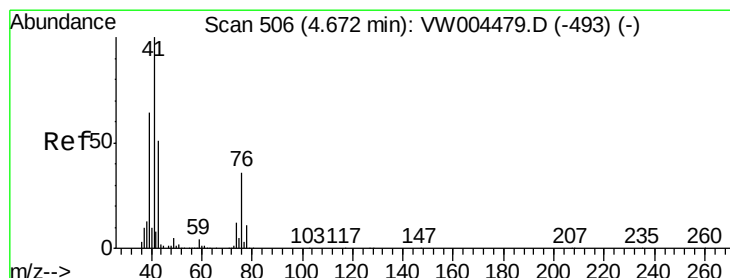
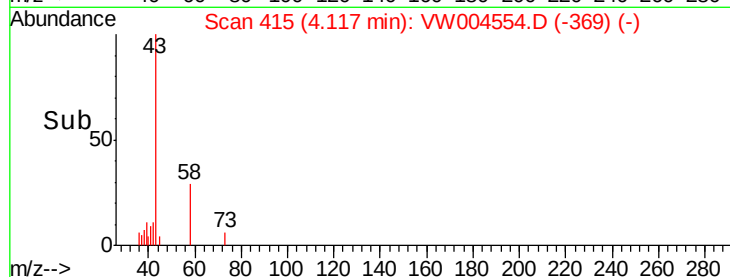
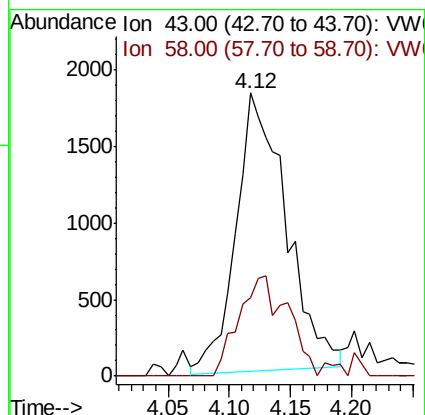
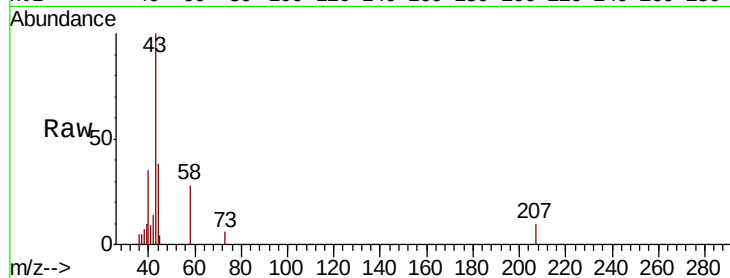
CL-02-080718-D

Tgt Ion: 43 Resp: 5184

Ion Ratio Lower Upper

43 100

58 28.9 26.8 40.2



#18

Methyl Acetate

Concen: 18.176 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004554.D

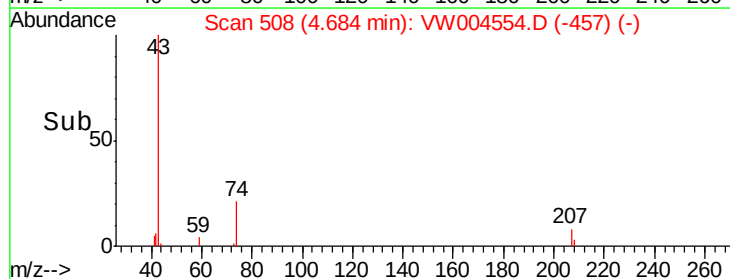
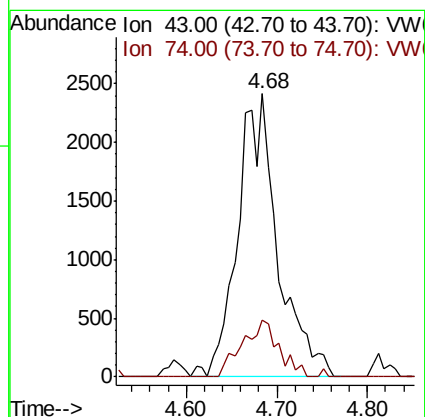
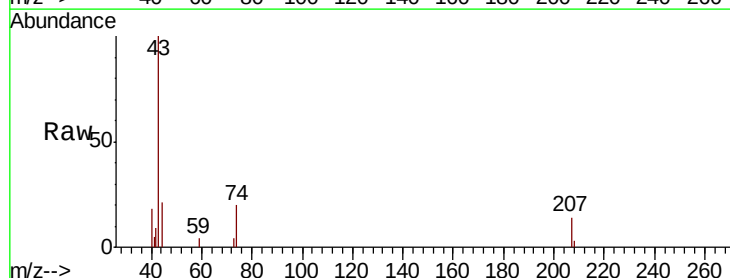
Acq: 09 Aug 2018 03:11

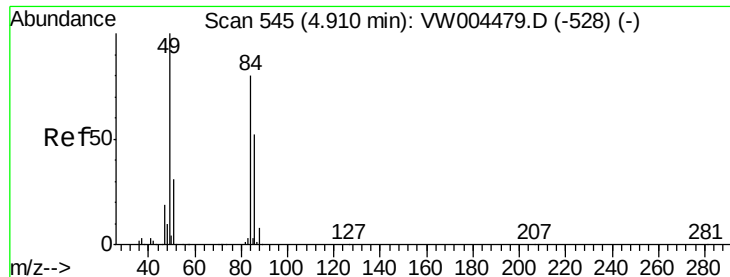
Tgt Ion: 43 Resp: 7368

Ion Ratio Lower Upper

43 100

74 18.3 19.1 28.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-D

Tgt Ion: 84 Resp: 3892

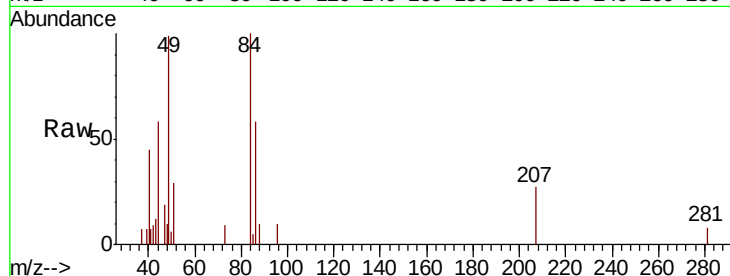
Ion Ratio Lower Upper

84 100

49 98.6 99.6 149.4#

51 29.1 31.0 46.4#

86 58.0 51.5 77.3

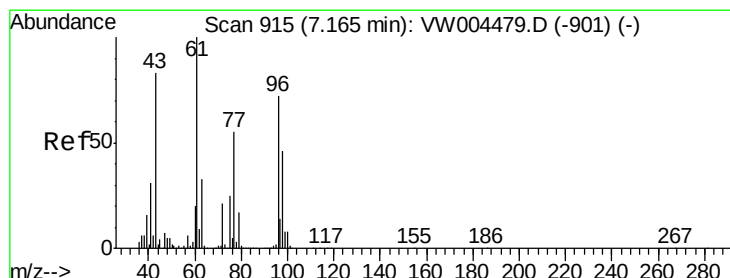
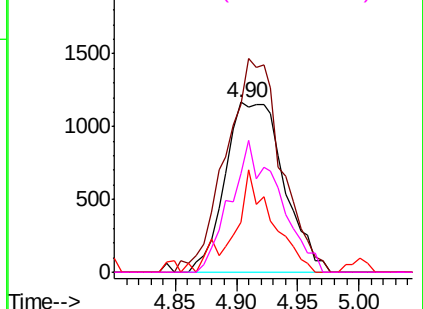
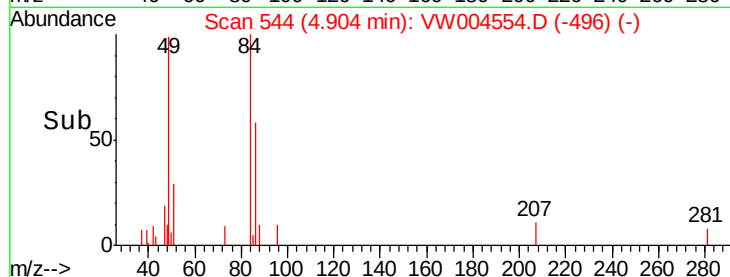


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#26

2,2-Dichloropropane

Concen: 2.201 ug/l

RT: 7.14 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW004554.D

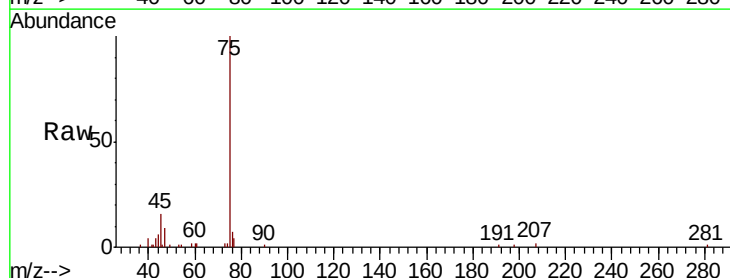
Acq: 09 Aug 2018 03:11

Tgt Ion: 77 Resp: 1472

Ion Ratio Lower Upper

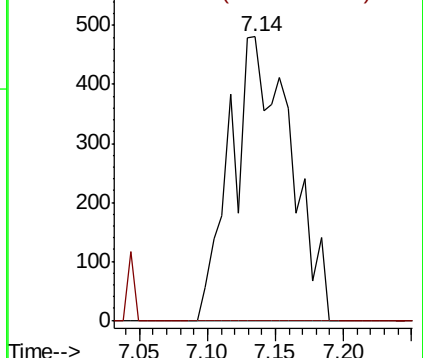
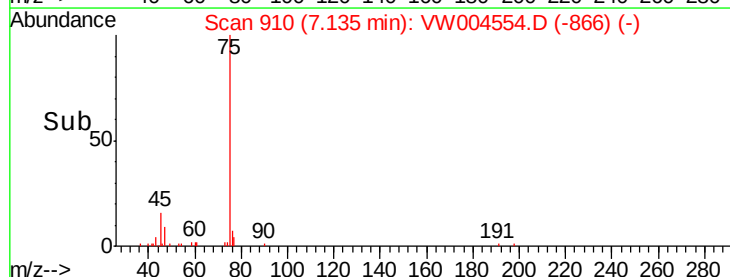
77 100

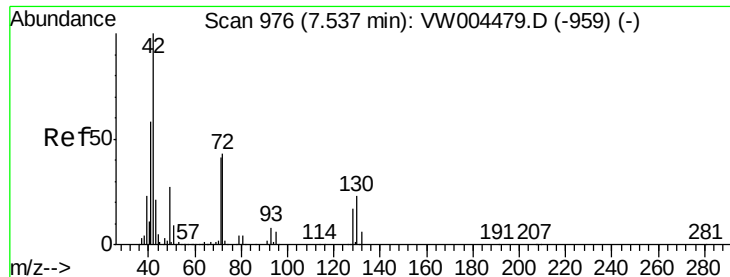
97 0.0 12.5 37.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

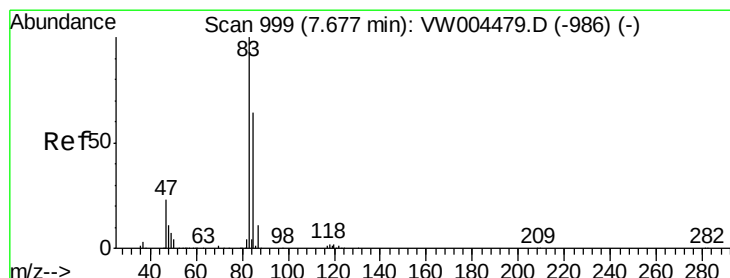
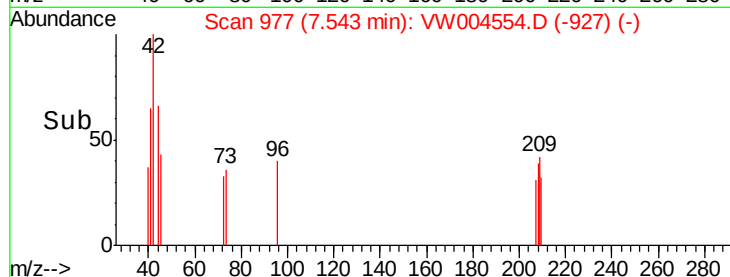
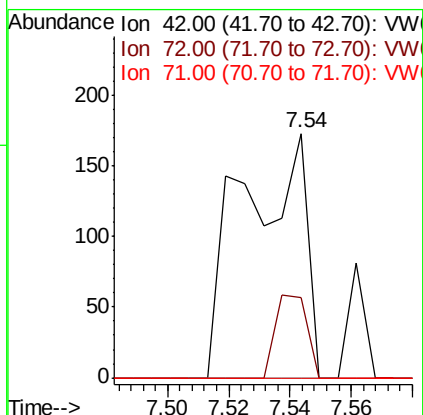
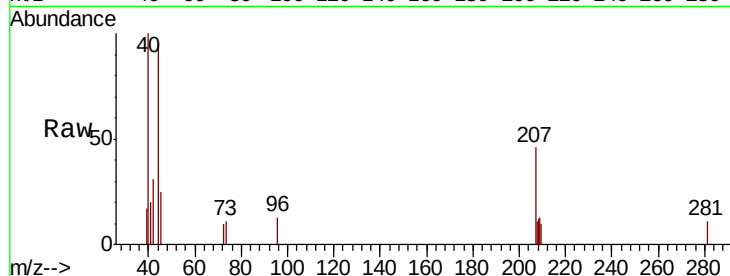




#29
Tetrahydrofuran
Concen: 1.827 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

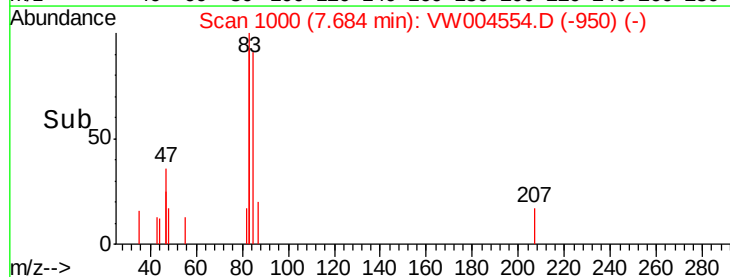
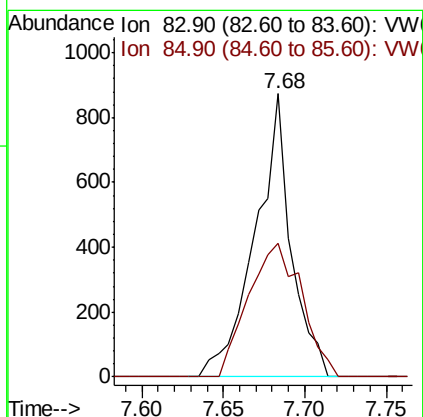
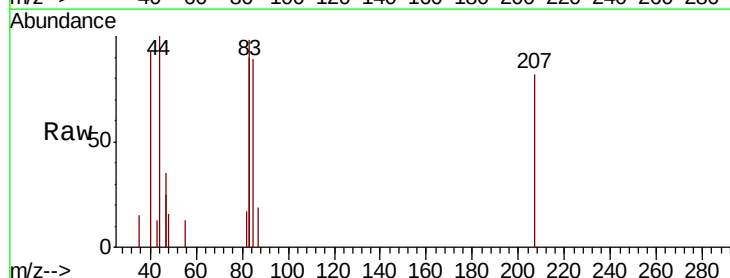
Instrument :
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ClientSampleId :
CL-02-080718-D

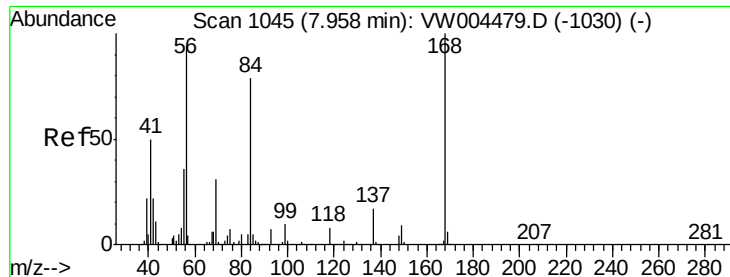
Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 17.0 34.1 51.1#
71 0.0 32.5 48.7#



#30
Chloroform
Concen: 1.064 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

Tgt Ion: 83 Resp: 1332
Ion Ratio Lower Upper
83 100
85 47.3 51.3 76.9#

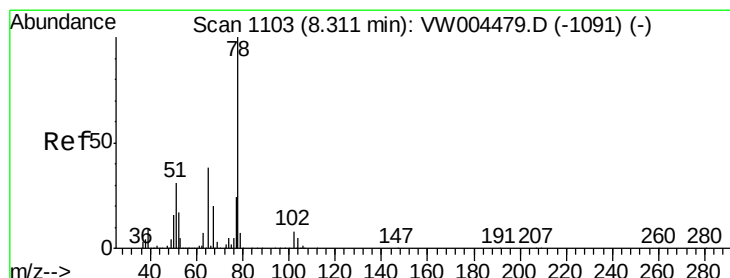
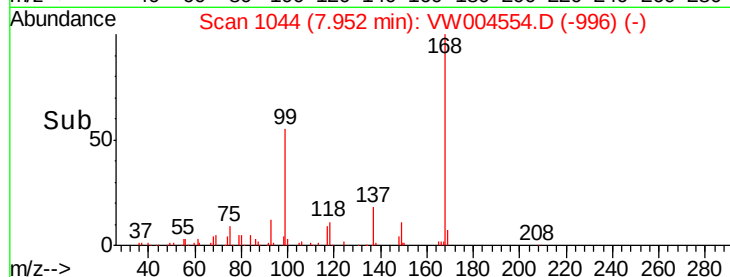
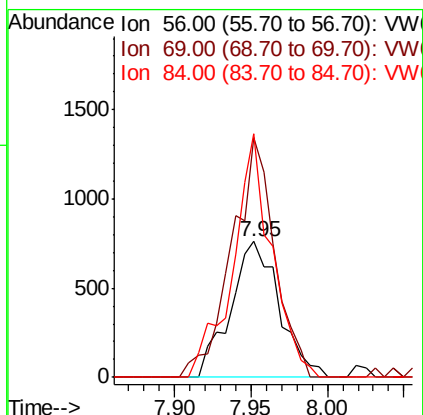
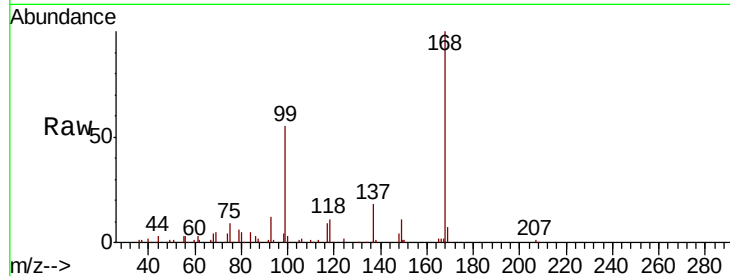




#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

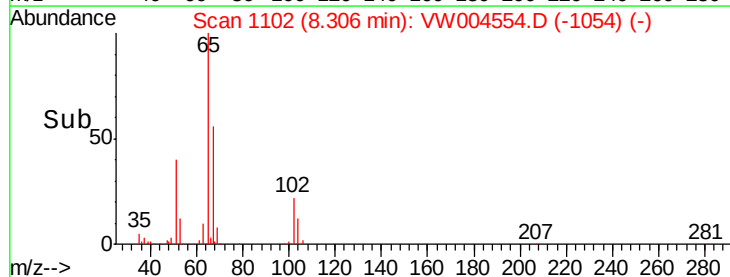
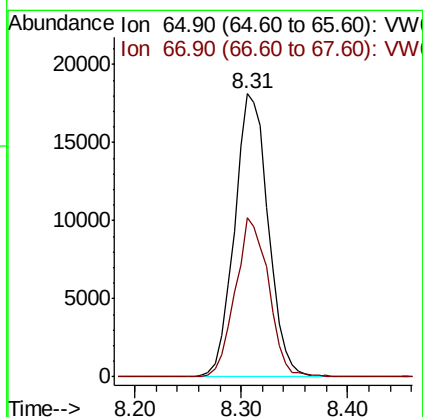
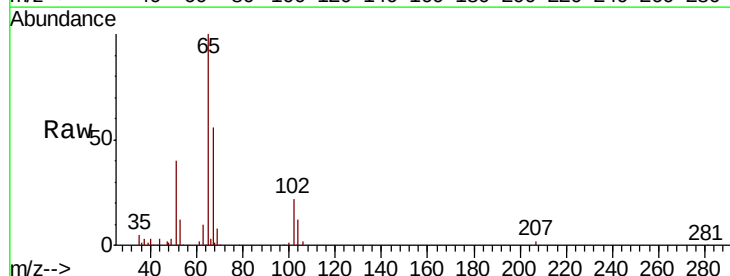
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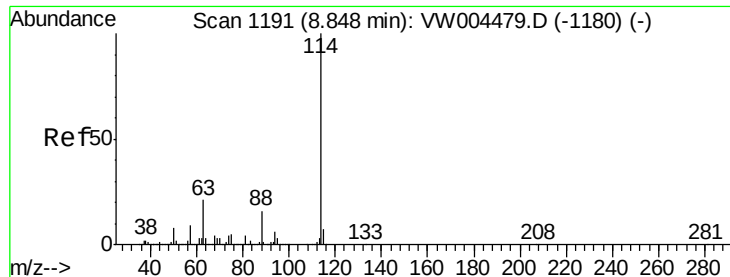
Tgt Ion: 56 Resp: 1693
Ion Ratio Lower Upper
56 100
69 176.2 26.4 39.6#
84 179.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 61.779 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

Tgt Ion: 65 Resp: 40216
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.0

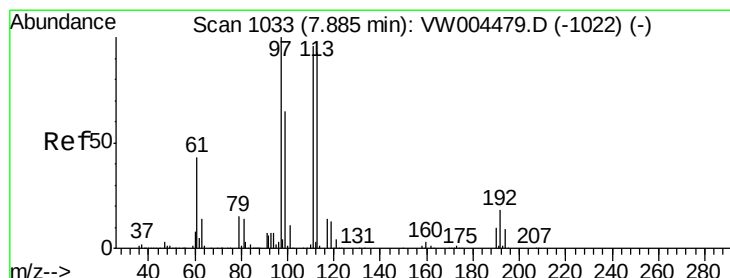
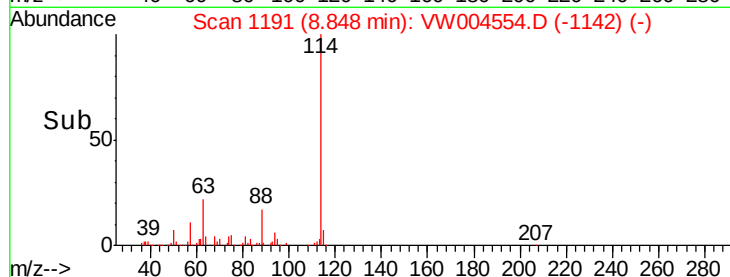
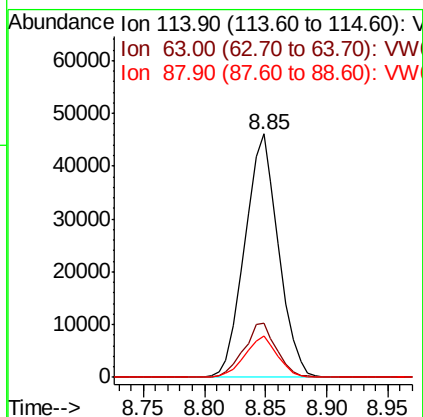
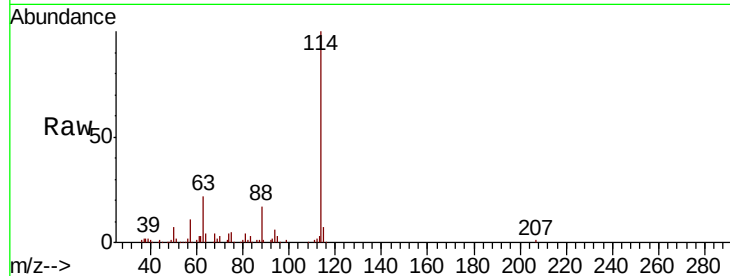




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004554.D
 Acq: 09 Aug 2018 03:11

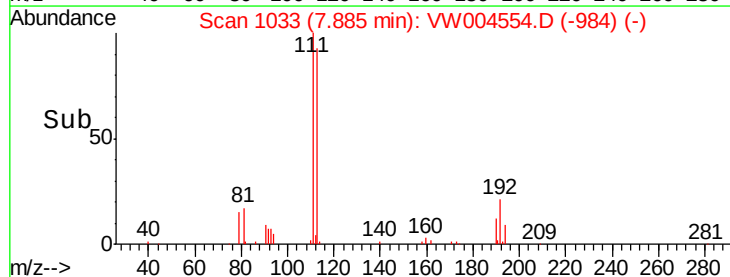
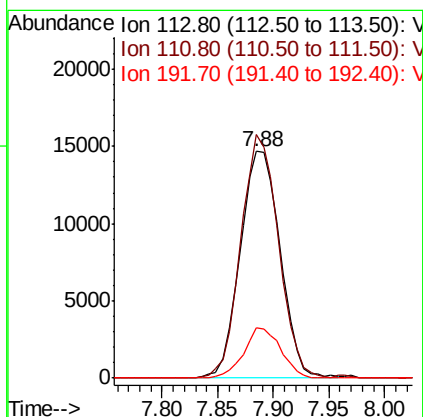
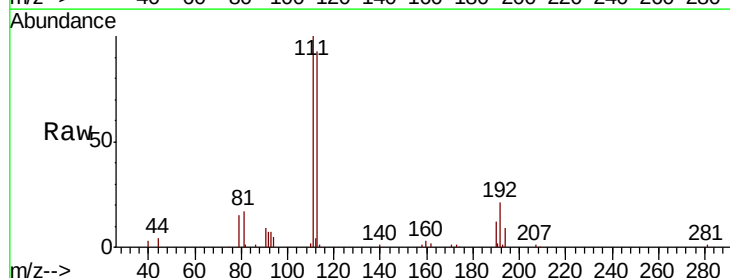
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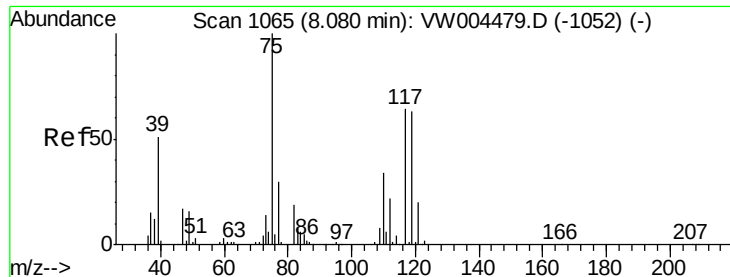
Tgt Ion:114 Resp: 88242
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.4
 88 17.0 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 62.303 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004554.D
 Acq: 09 Aug 2018 03:11

Tgt Ion:113 Resp: 36657
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 20.5 15.8 23.6





#36

1,1-Dichloropropene

Concen: 5.314 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-D

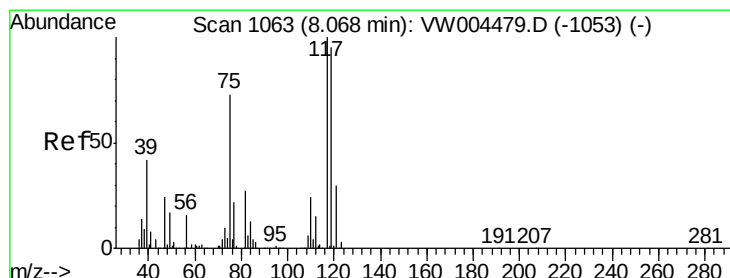
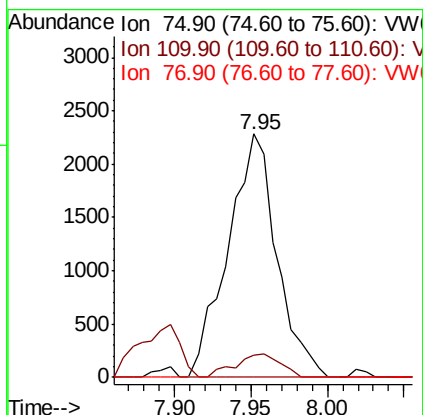
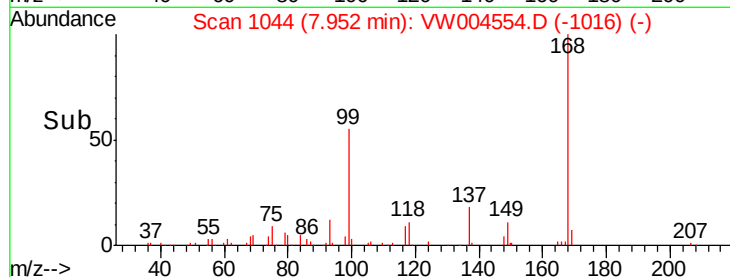
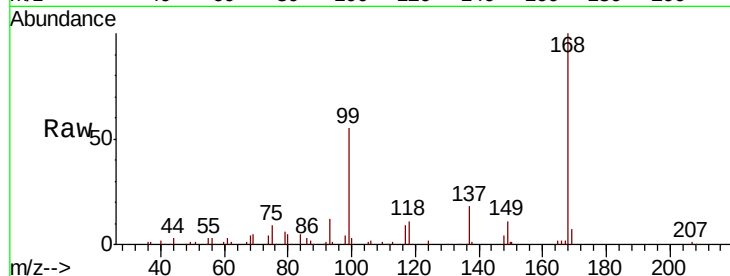
Tgt Ion: 75 Resp: 5049

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

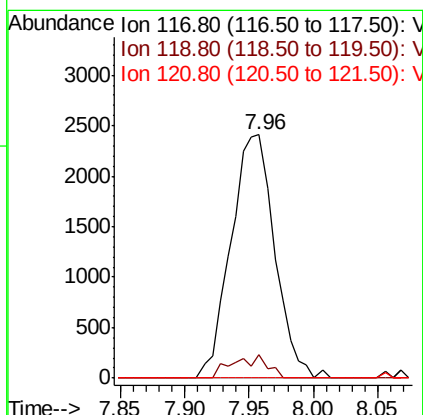
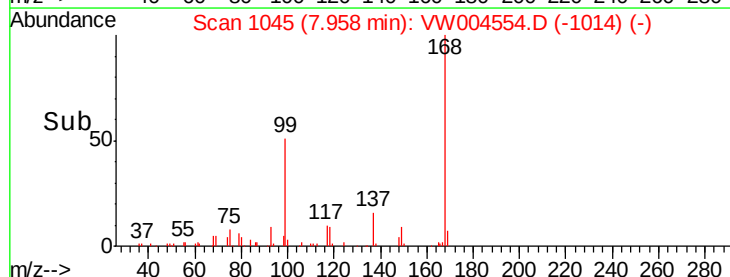
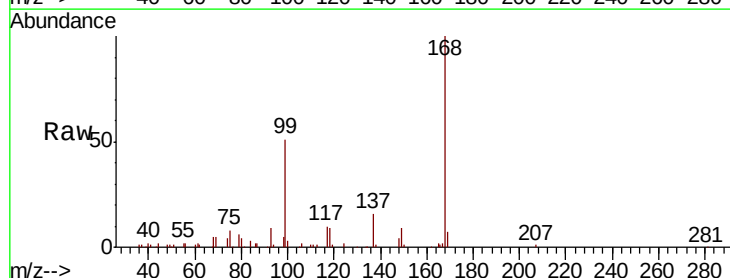
Tgt Ion: 117 Resp: 5681

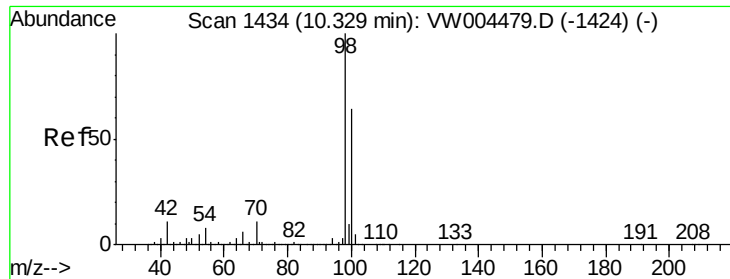
Ion Ratio Lower Upper

117 100

119 9.7 76.1 114.1#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 40.191 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

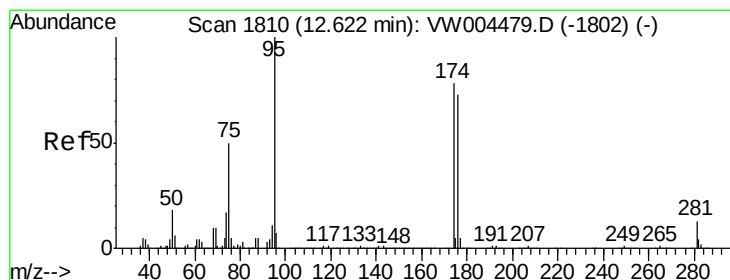
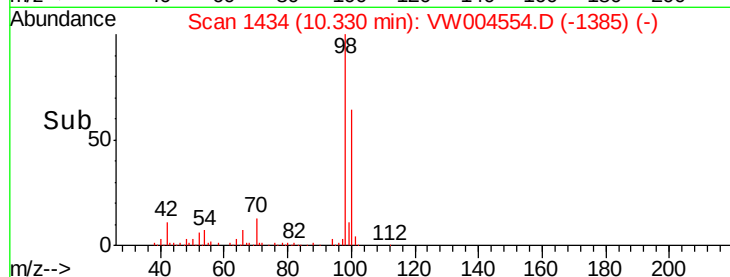
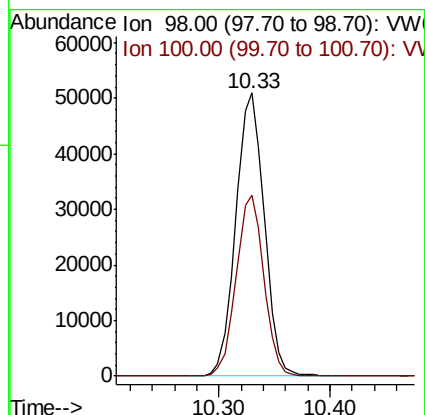
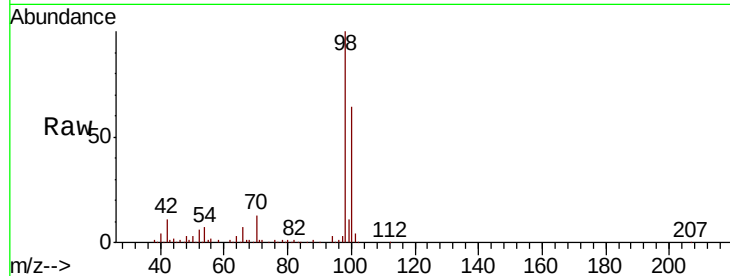
CL-02-080718-D

Tgt Ion: 98 Resp: 90152

Ion Ratio Lower Upper

98 100

100 62.2 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 27.587 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

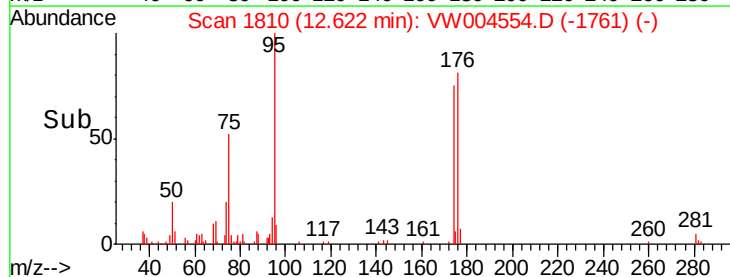
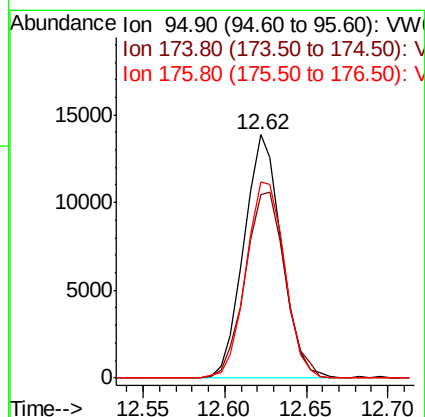
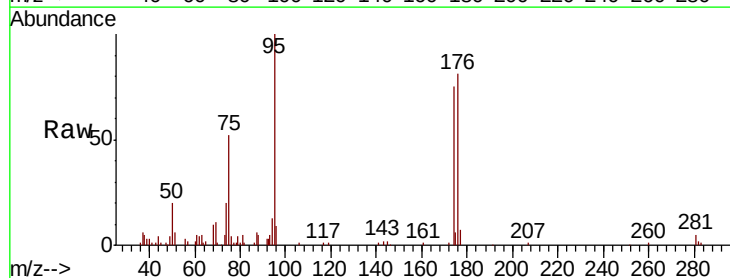
Tgt Ion: 95 Resp: 22290

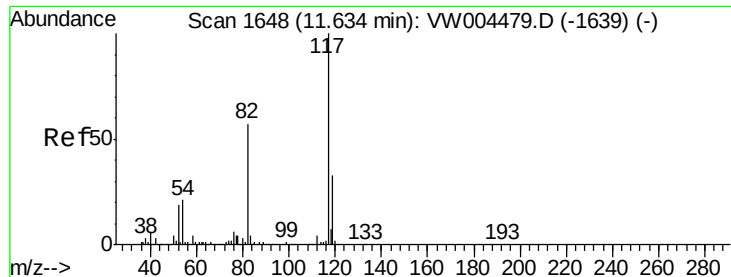
Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.4

176 82.9 0.0 153.2

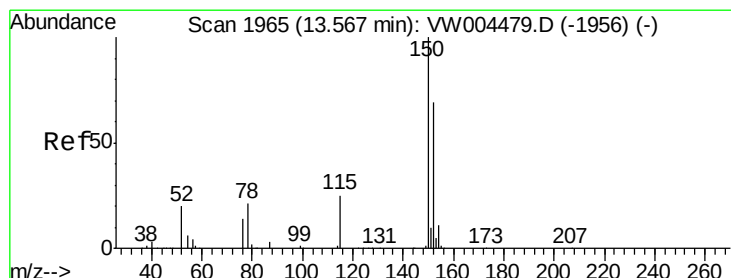
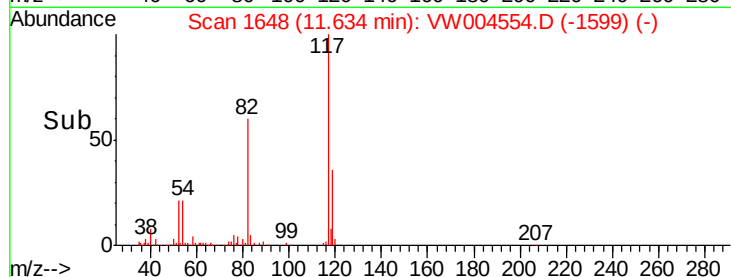
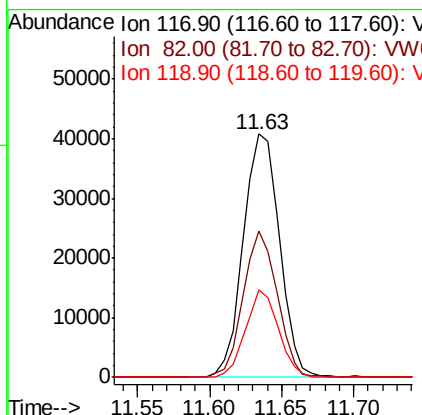
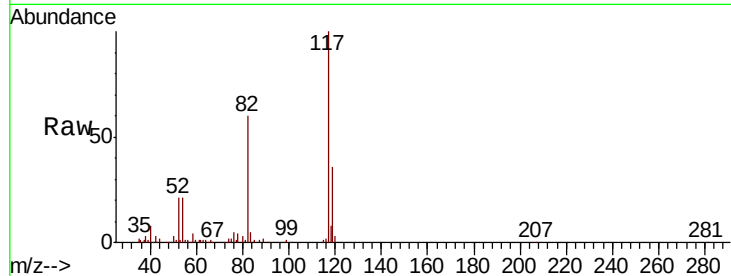




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

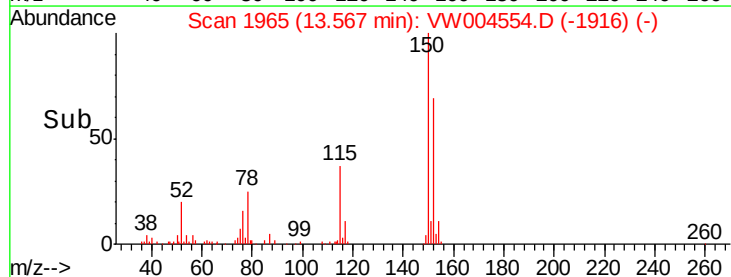
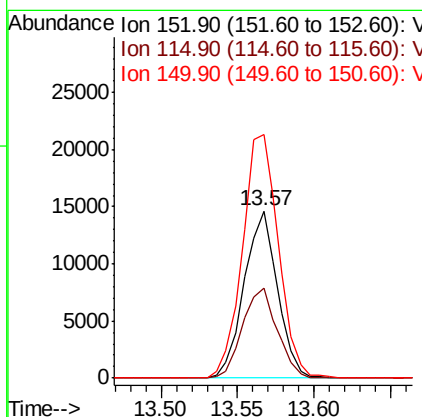
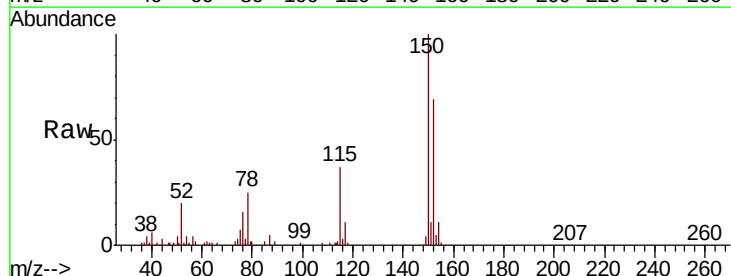
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-D

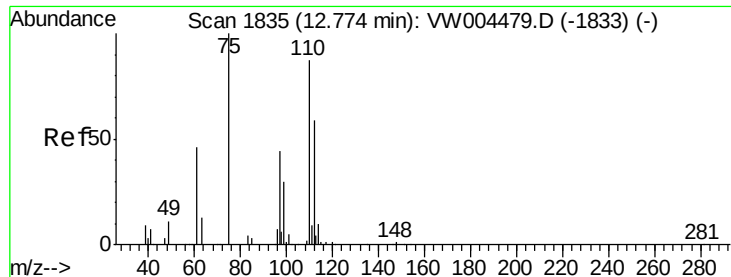
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	45.3	67.9
119	36.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	29.1	87.3
150	156.9	0.0	349.6





#76

1,2,3-Trichloropropane

Concen: 49.464 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

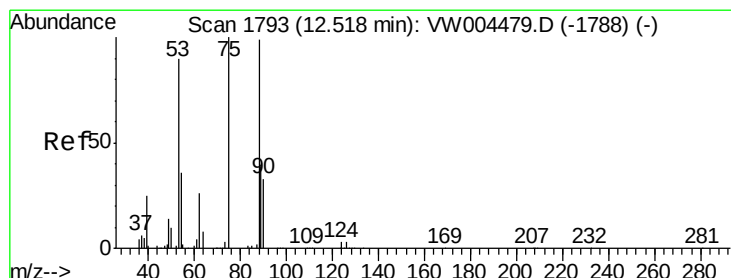
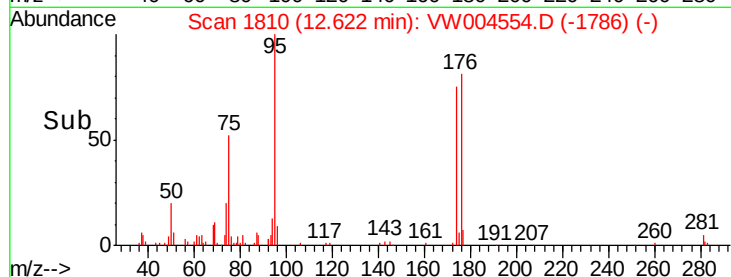
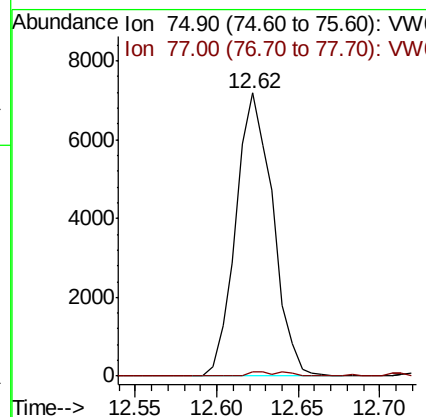
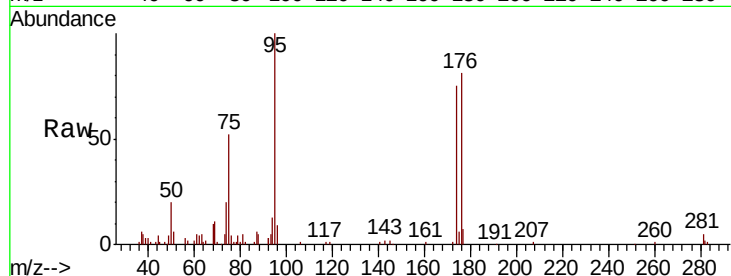
CL-02-080718-D

Tgt Ion: 75 Resp: 11326

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.410 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004554.D

Acq: 09 Aug 2018 03:11

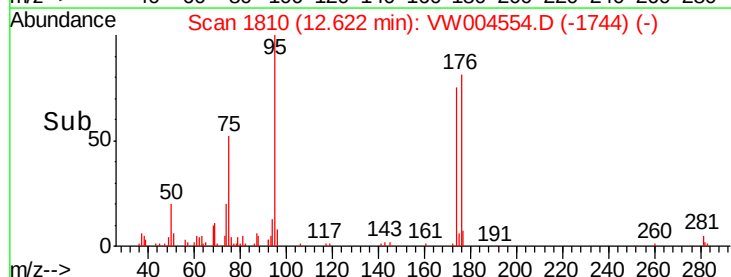
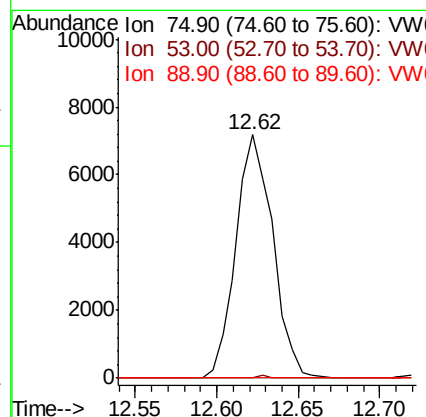
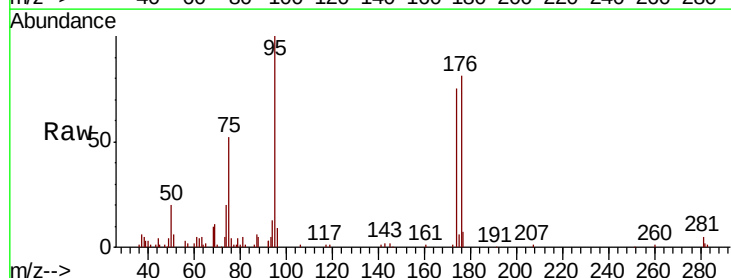
Tgt Ion: 75 Resp: 11326

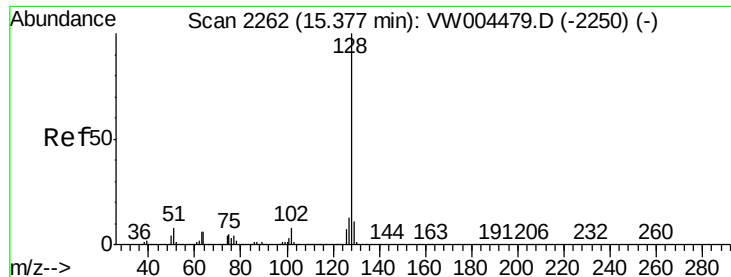
Ion Ratio Lower Upper

75 100

53 0.3 74.4 111.6#

89 0.0 35.9 53.9#





#95
Naphthalene
Concen: 3.463 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004554.D
Acq: 09 Aug 2018 03:11

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.3	15.5#
129	0.0	8.6	13.0#

