

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080818\
 Data File : VW004507.D
 Acq On : 07 Aug 2018 22:03
 Operator : SY/AP
 Sample : J4310-05
 Misc : 4.18G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-3

Quant Time: Aug 08 08:38:30 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	546996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	964329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	890458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	359411	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	283439	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	7.89	113	262724	40.86	ug/l	0.00
Spiked Amount			Recovery	=	81.72%	
50) Toluene-d8	10.33	98	806716	32.91	ug/l	0.00
Spiked Amount			Recovery	=	65.82%	
62) 4-Bromofluorobenzene	12.62	95	242657	27.48	ug/l	0.00
Spiked Amount			Recovery	=	54.96%	

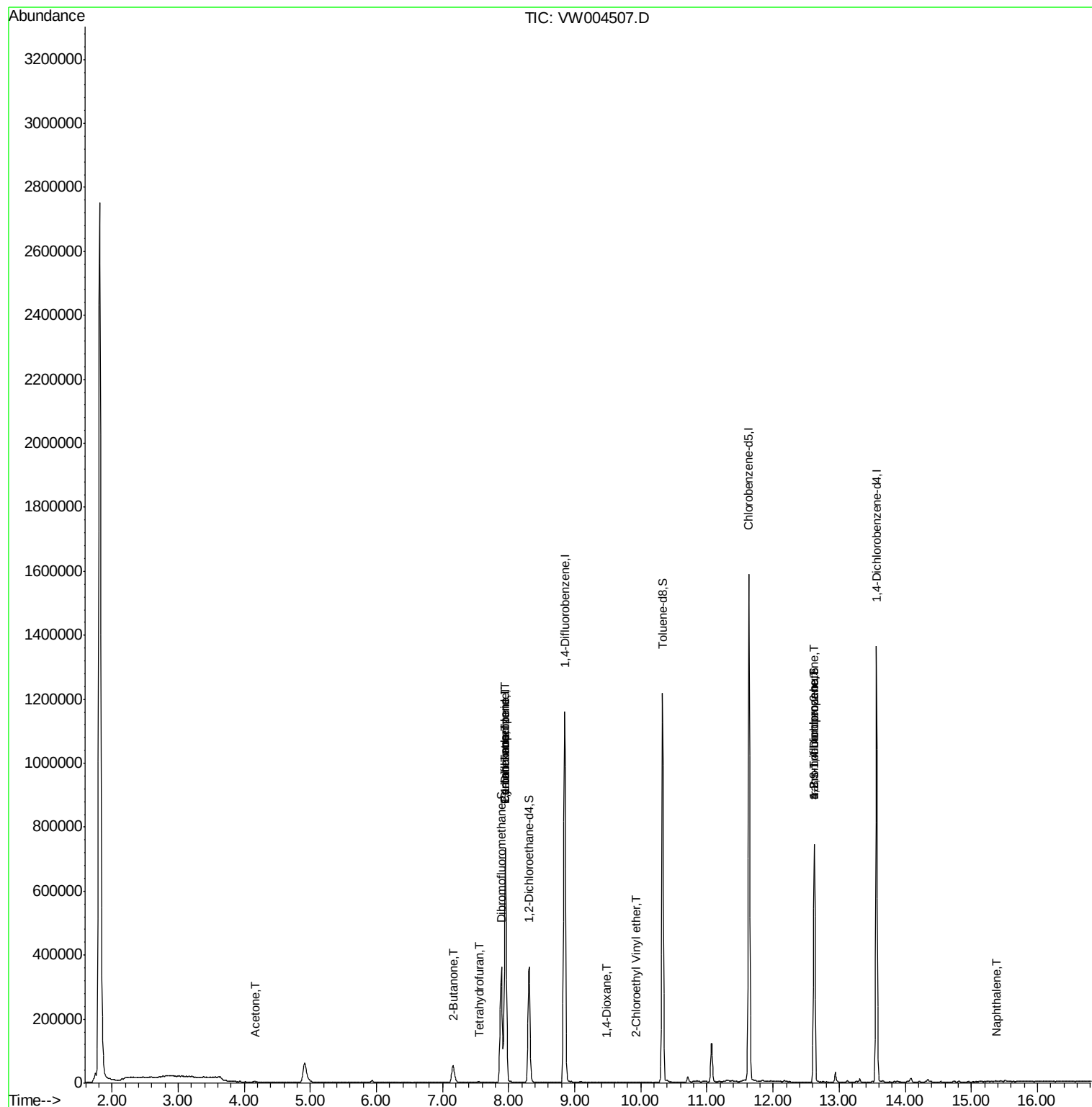
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	4172	2.759	ug/l #	86
20) Methylene Chloride	4.91	84	60275	Below Cal		94
25) 2-Butanone	7.16	43	3401	1.398	ug/l #	77
29) Tetrahydrofuran	7.55	42	1978	1.573	ug/l	95
31) Cyclohexane	7.95	56	11498	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	42891	4.131	ug/l #	50
38) Carbon Tetrachloride	7.95	117	52558	5.625	ug/l #	19
49) 1,4-Dioxane	9.48	88	72	1.214	ug/l #	97
58) 2-Chloroethyl Vinyl ether	9.93	63	713	9.138	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	122784	33.014	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122784	79.032	ug/l #	13
95) Naphthalene	15.38	128	2055	3.035	ug/l	97

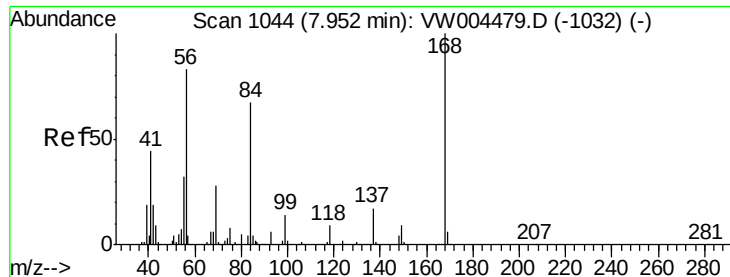
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004507.D

Acq: 07 Aug 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

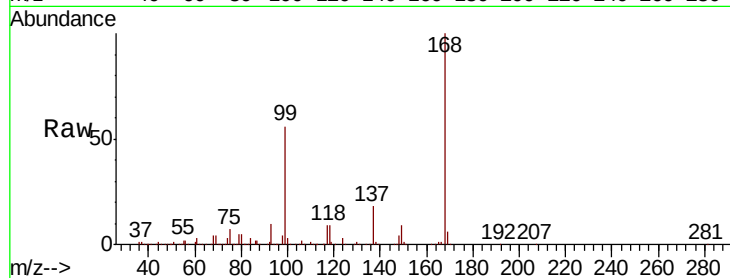
C-3

Tgt Ion:168 Resp: 546996

Ion Ratio Lower Upper

168 100

99 56.0 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

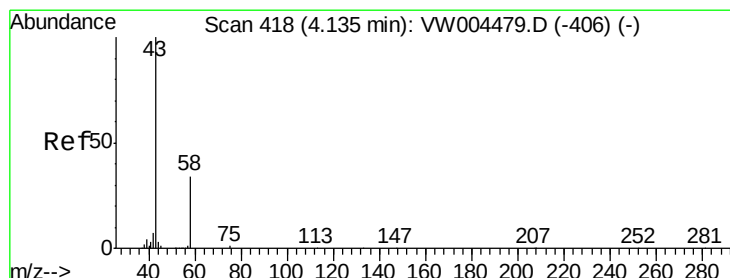
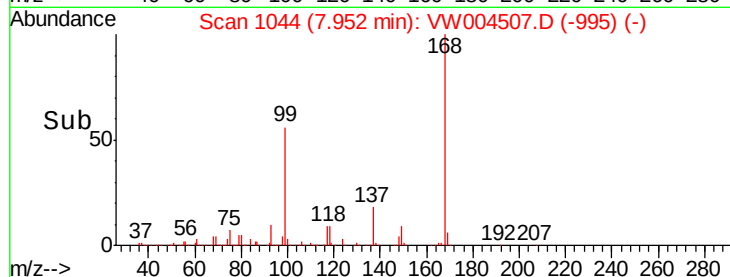
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.759 ug/l

RT: 4.16 min Scan# 422

Delta R.T. 0.02 min

Lab File: VW004507.D

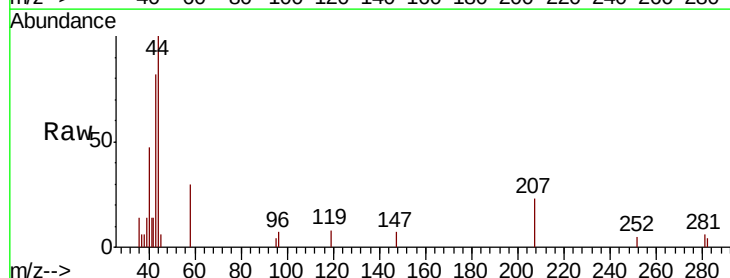
Acq: 07 Aug 2018 22:03

Tgt Ion: 43 Resp: 4172

Ion Ratio Lower Upper

43 100

58 41.7 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

1200

1000

800

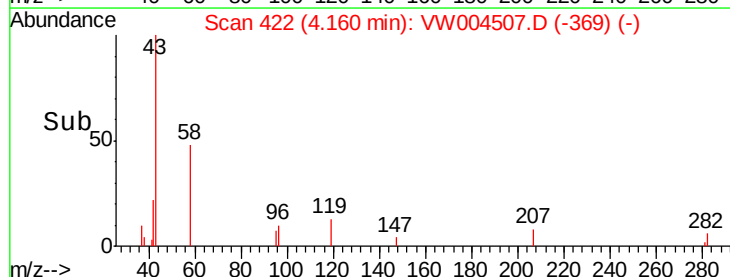
600

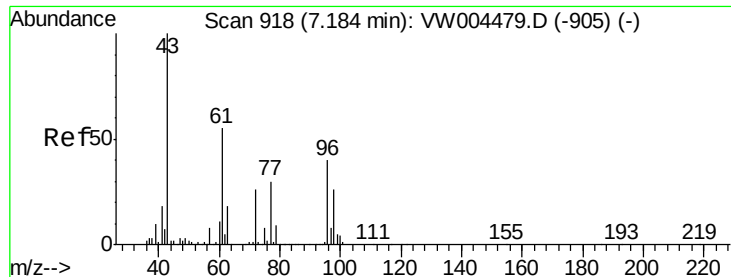
400

200

0

Time--> 4.10 4.20





#25

2-Butanone

Concen: 1.398 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

Instrument :

MSVOA_W

ClientSampled :

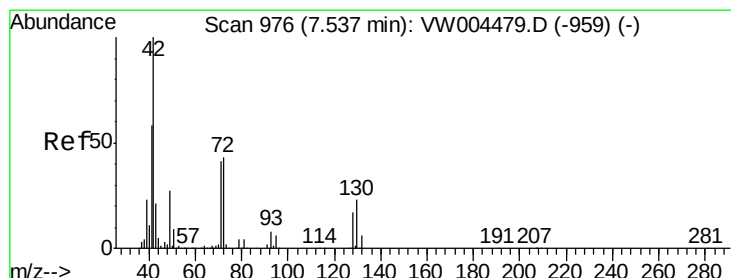
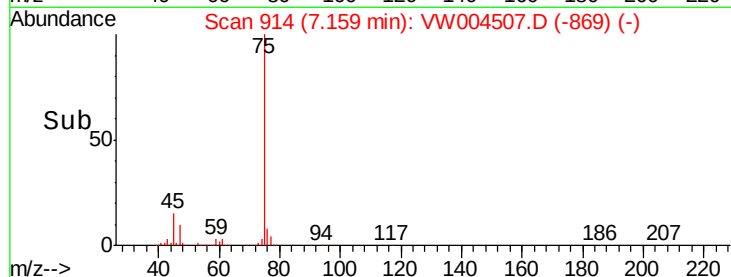
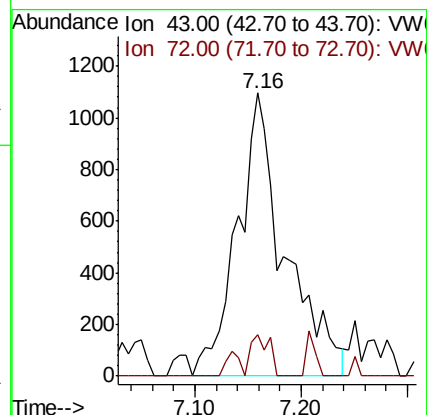
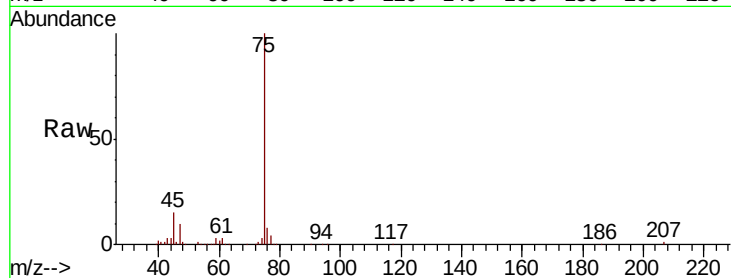
C-3

Tgt Ion: 43 Resp: 3401

Ion Ratio Lower Upper

43 100

72 14.5 21.0 31.6#



#29

Tetrahydrofuran

Concen: 1.573 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

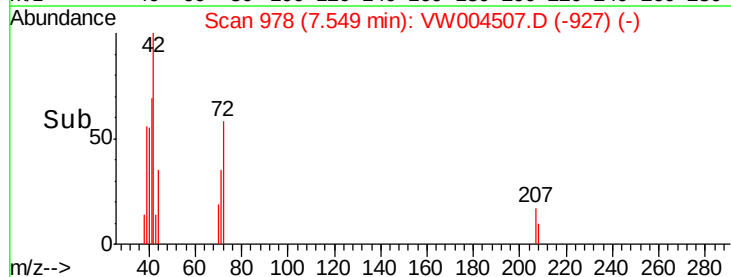
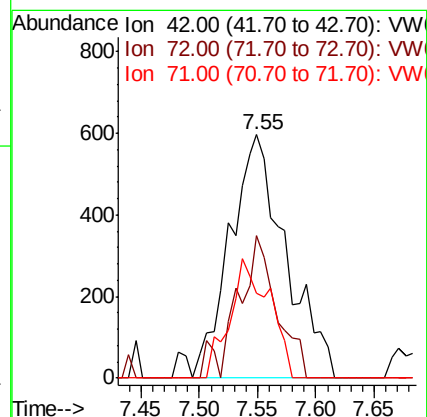
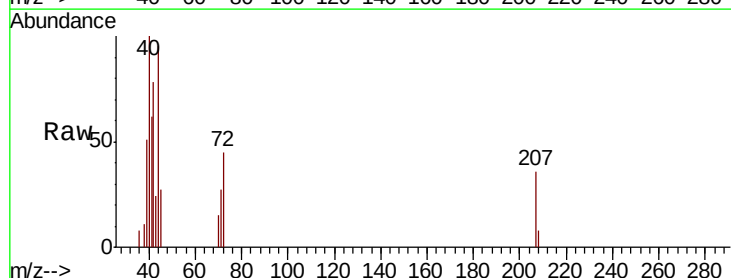
Tgt Ion: 42 Resp: 1978

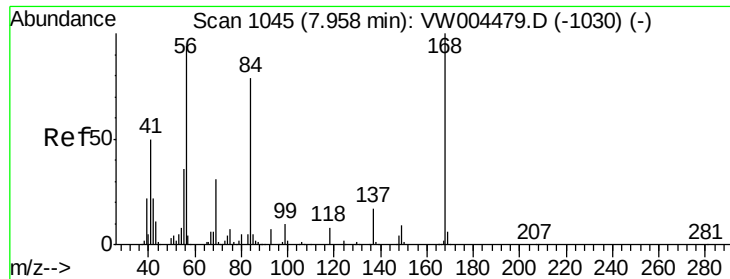
Ion Ratio Lower Upper

42 100

72 41.4 34.1 51.1

71 35.1 32.5 48.7

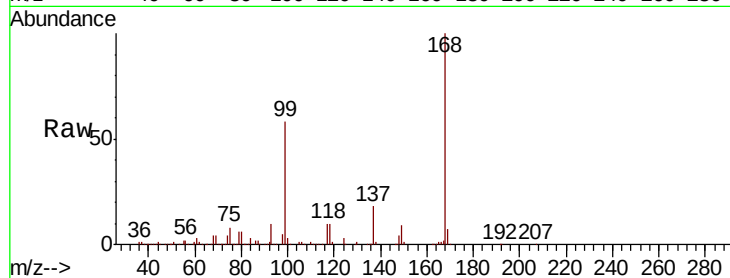




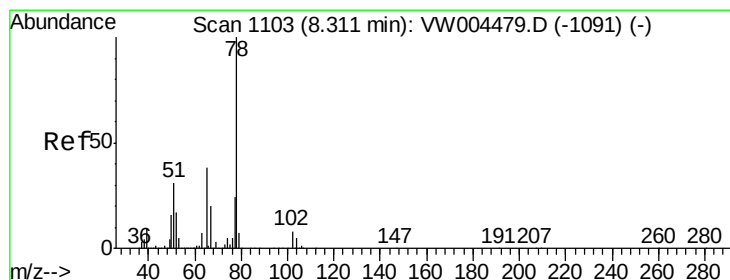
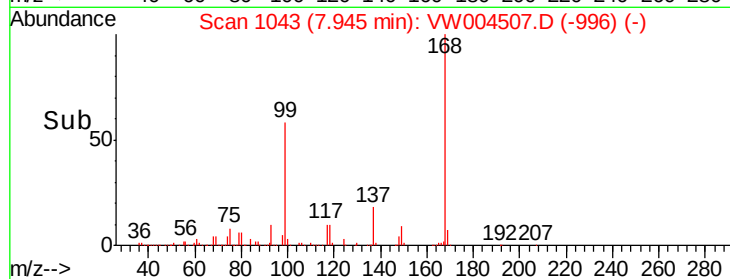
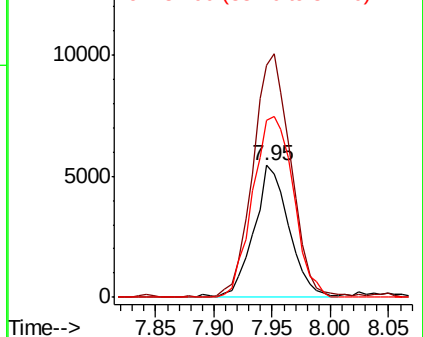
#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004507.D
Acq: 07 Aug 2018 22:03

Instrument :
MSVOA_W
ClientSampled :
C-3

Tgt Ion: 56 Resp: 11498
Ion Ratio Lower Upper
56 100
69 174.7 26.4 39.6#
84 133.7 66.9 100.3#

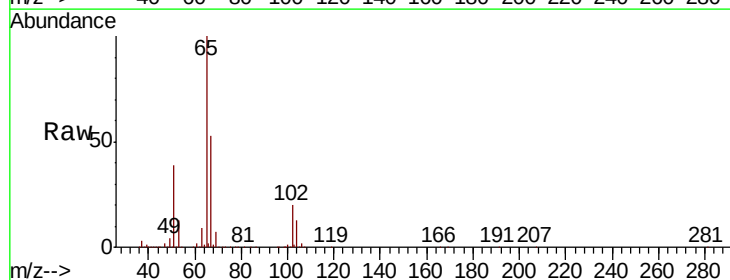


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

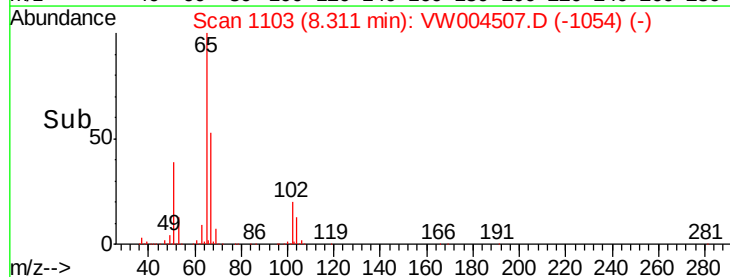
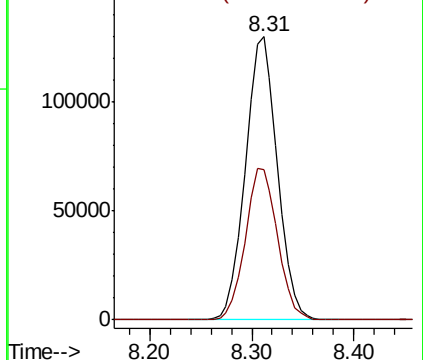


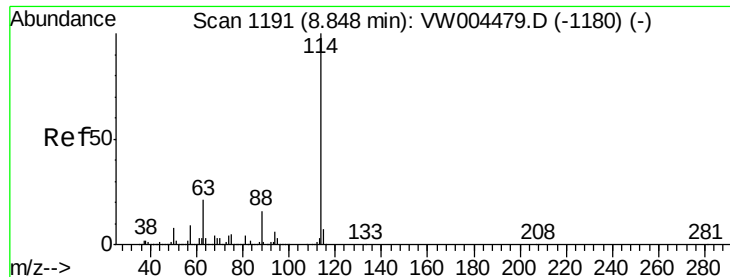
#33
1,2-Dichloroethane-d4
Concen: 46.810 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004507.D
Acq: 07 Aug 2018 22:03

Tgt Ion: 65 Resp: 283439
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

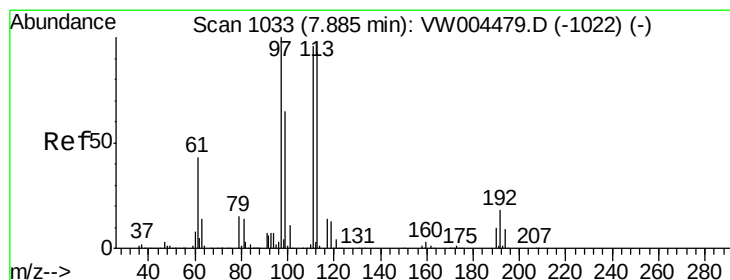
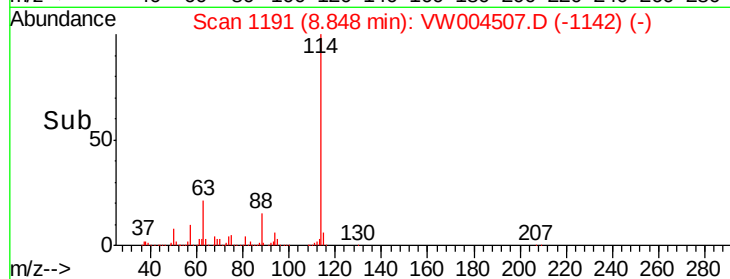
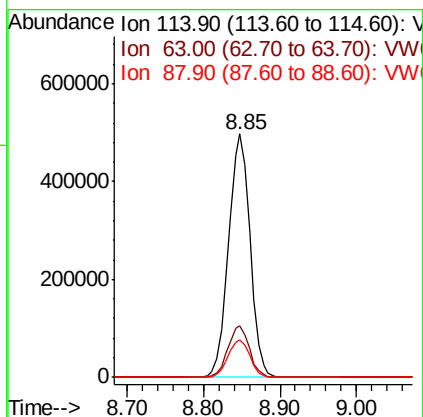
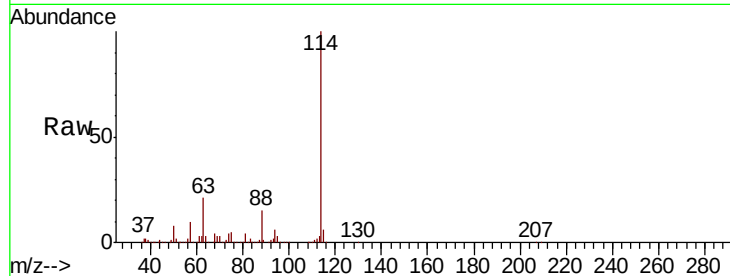




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

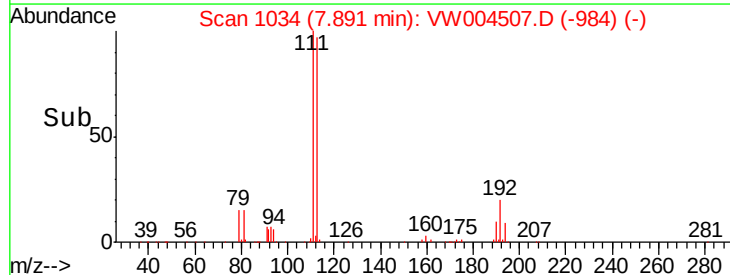
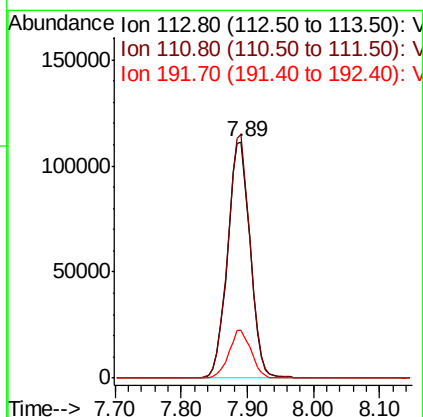
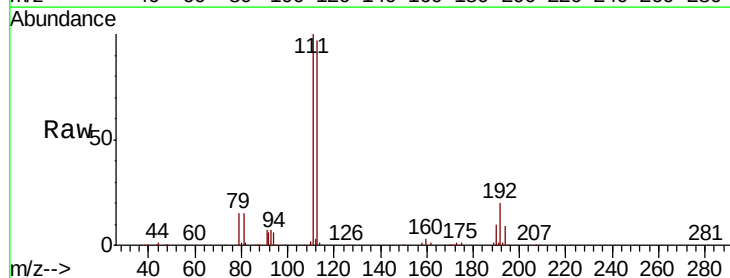
Instrument :
 MSVOA_W
 ClientSampleId :
 C-3

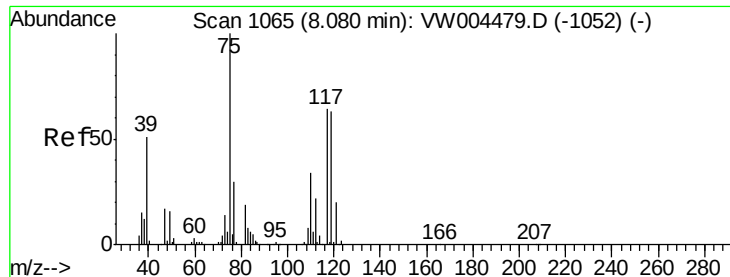
Tgt Ion:114 Resp: 964329
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 40.860 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

Tgt Ion:113 Resp: 262724
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 19.9 15.8 23.6

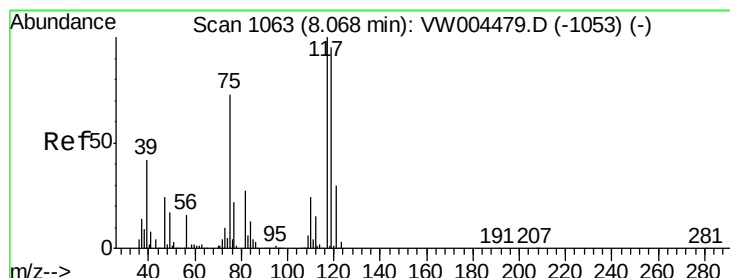
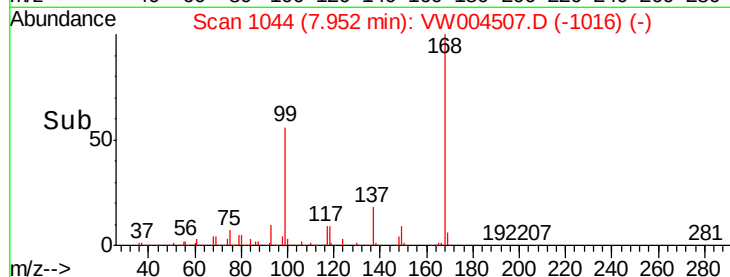
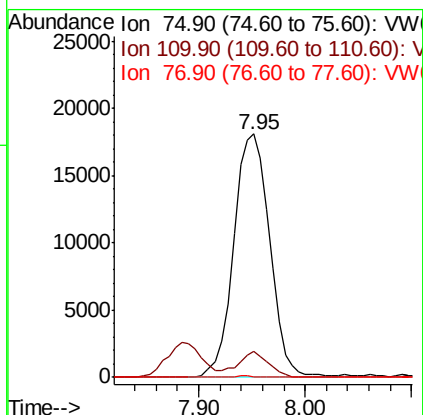
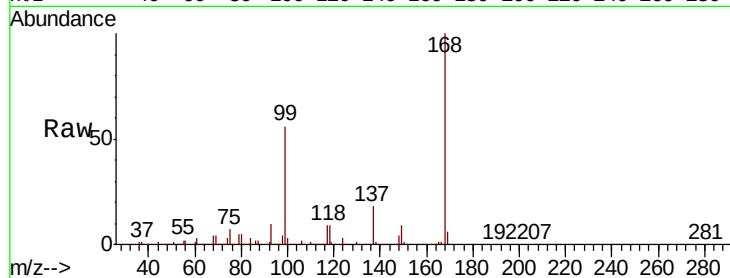




#36
 1,1-Dichloropropene
 Concen: 4.131 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

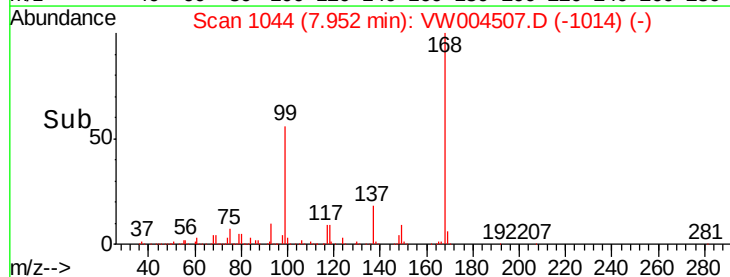
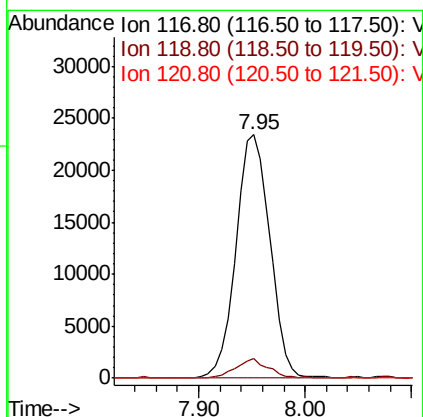
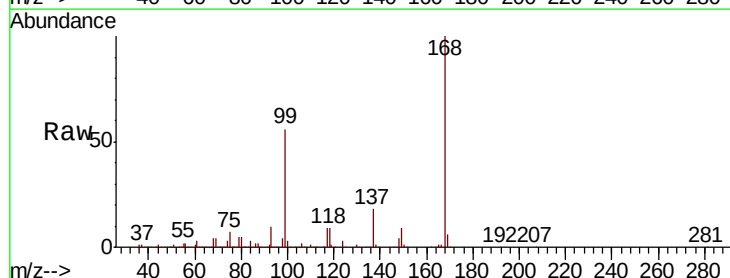
Instrument :
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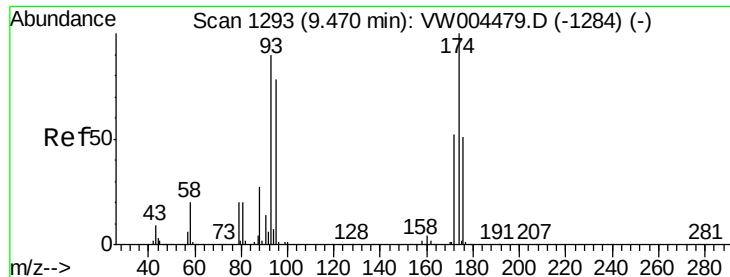
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.4	52.2#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.625 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.0	76.1	114.1#
121	0.0	24.2	36.4#





#49

1,4-Dioxane

Concen: 1.214 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

C-3

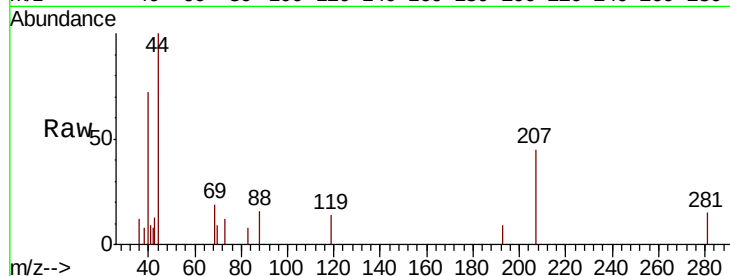
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 134.7 0.0 0.0#

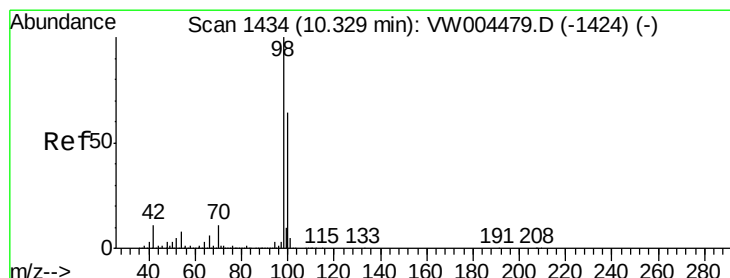
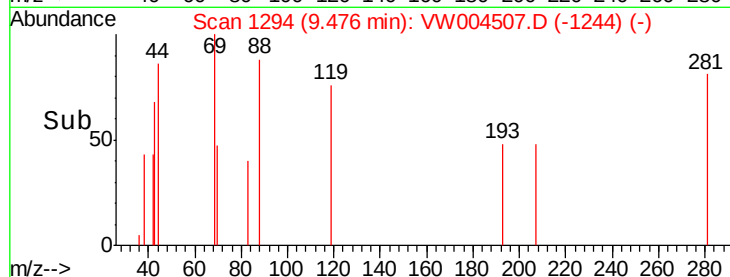
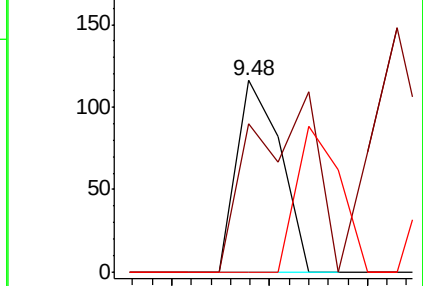
58 76.4 63.5 95.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 32.910 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004507.D

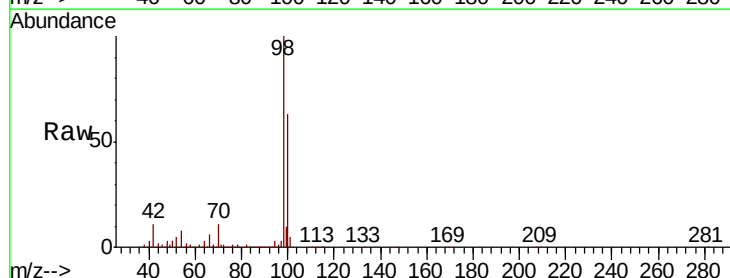
Acq: 07 Aug 2018 22:03

Tgt Ion: 98 Resp: 806716

Ion Ratio Lower Upper

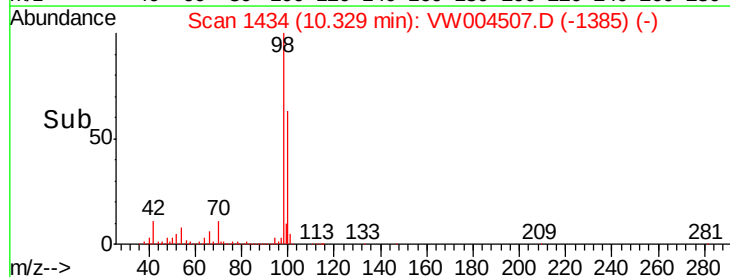
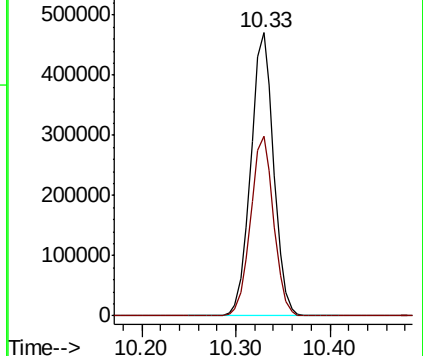
98 100

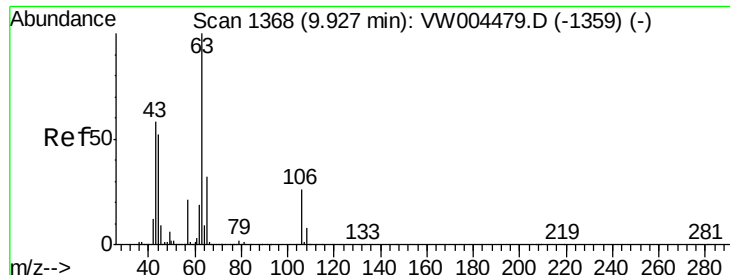
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

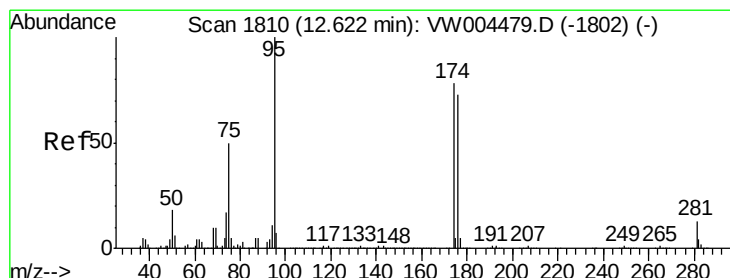
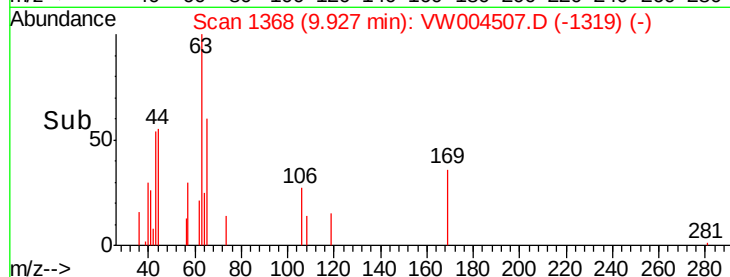
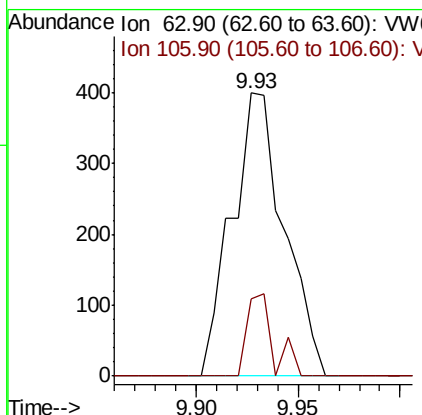
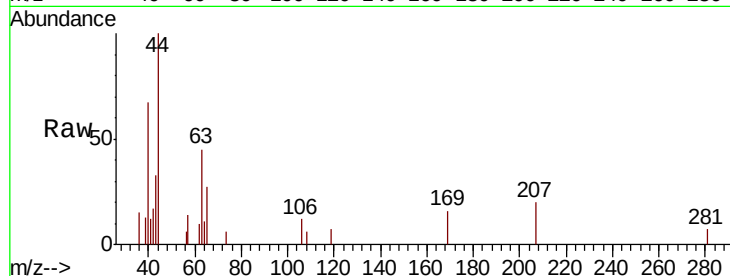




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.138 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

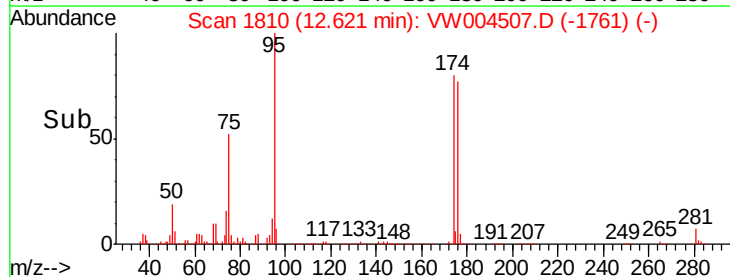
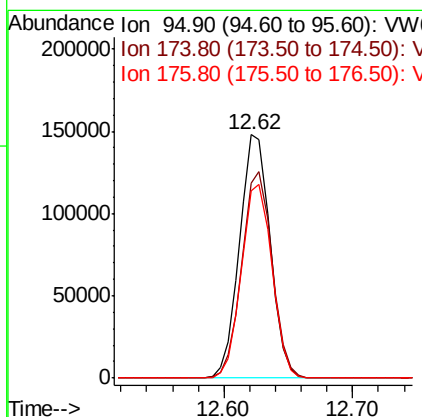
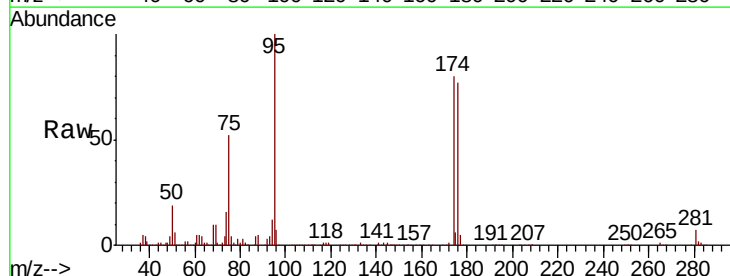
Instrument :
 MSVOA_W
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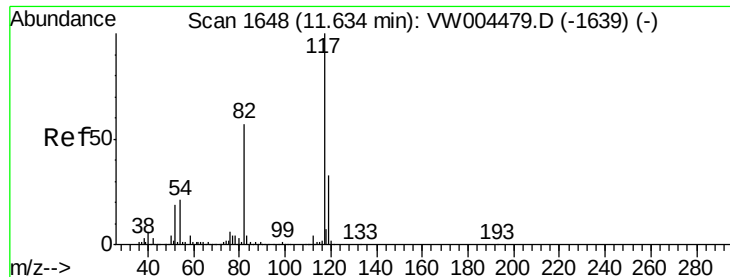
Tgt Ion: 63 Resp: 713
 Ion Ratio Lower Upper
 63 100
 106 14.4 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 27.481 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004507.D
 Acq: 07 Aug 2018 22:03

Tgt Ion: 95 Resp: 242657
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 160.4
 176 79.7 0.0 153.2

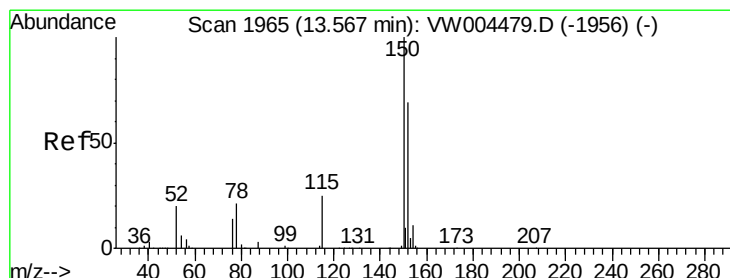
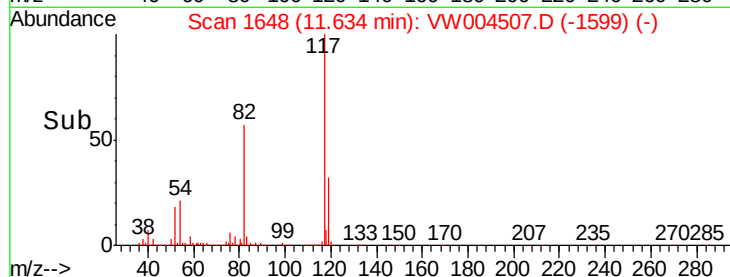
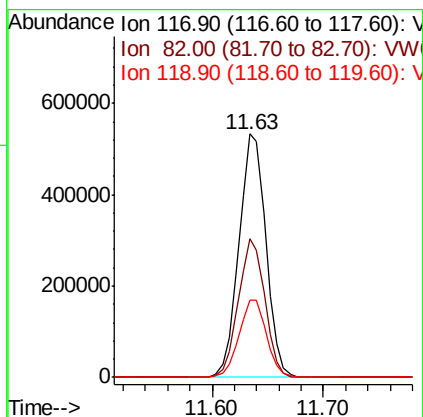
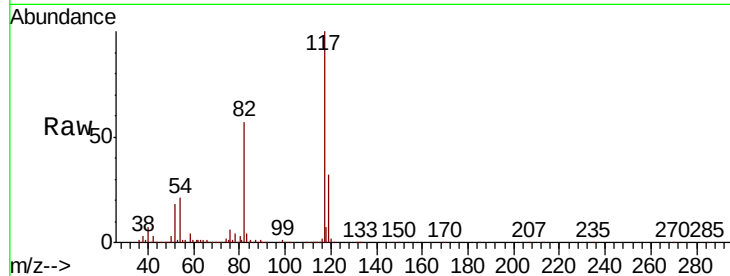




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004507.D
Acq: 07 Aug 2018 22:03

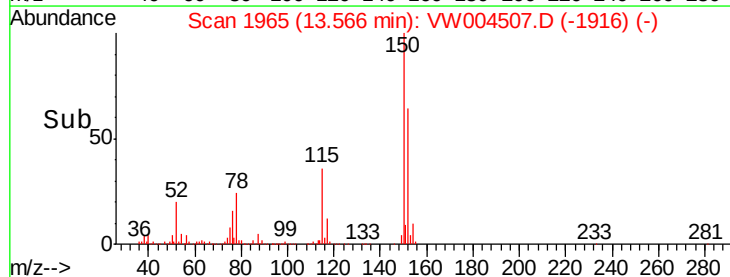
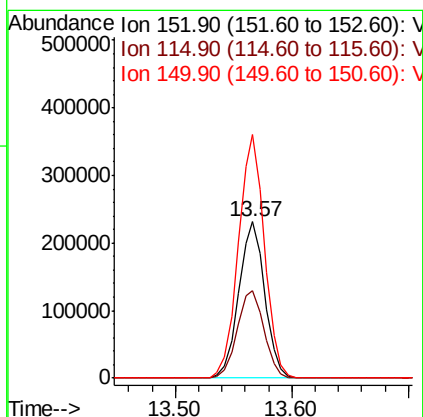
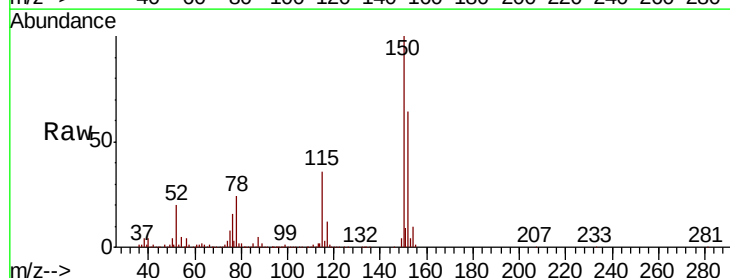
Instrument :
MSVOA_W
ClientSampleId :
C-3

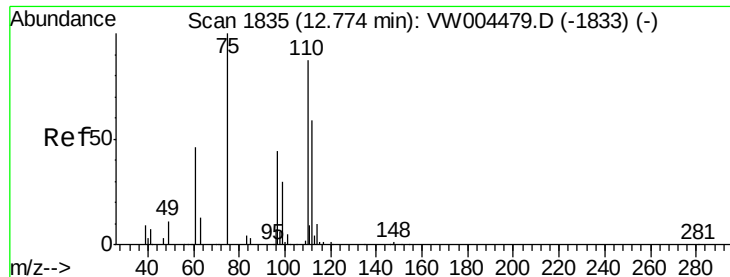
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.3	67.9
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004507.D
Acq: 07 Aug 2018 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.1	87.3
150	155.5	0.0	349.6





#76

1,2,3-Trichloropropane

Concen: 33.014 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

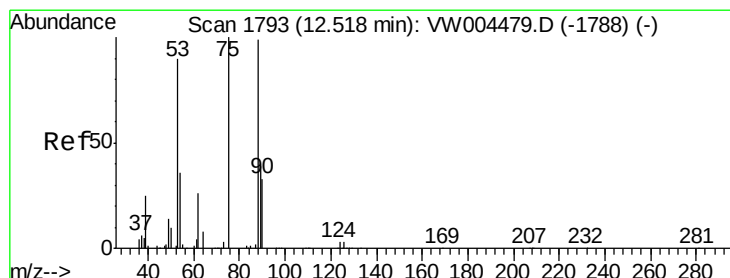
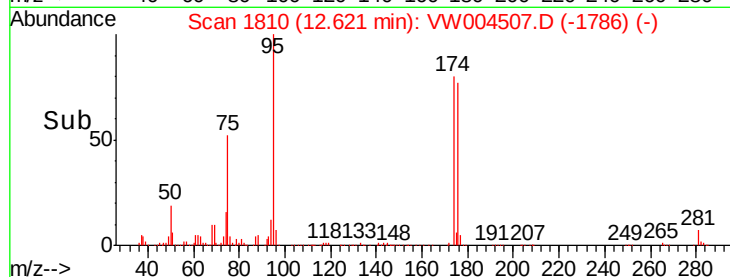
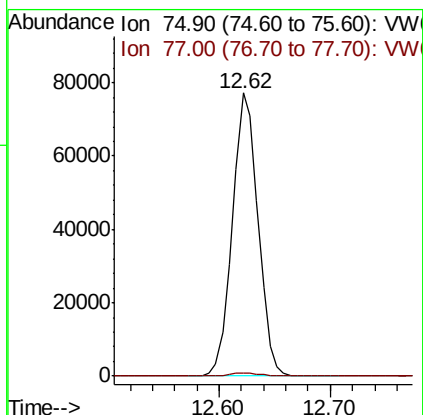
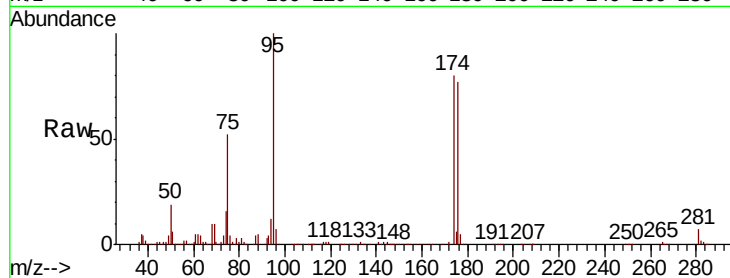
C-3

Tgt Ion: 75 Resp: 122784

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.032 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

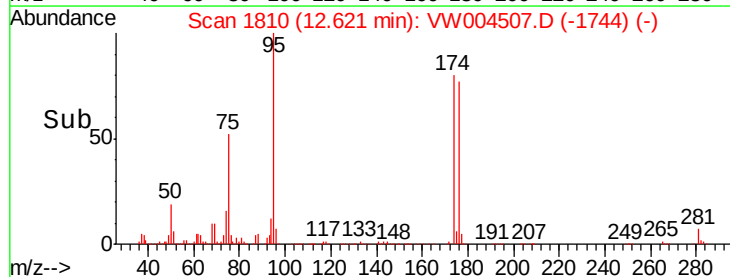
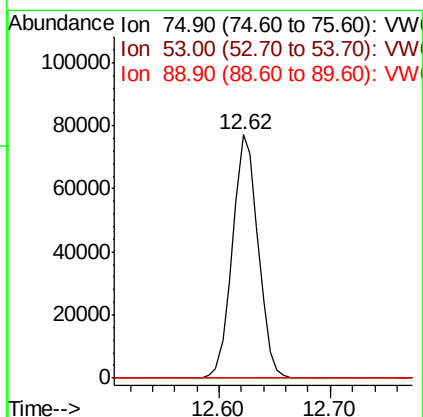
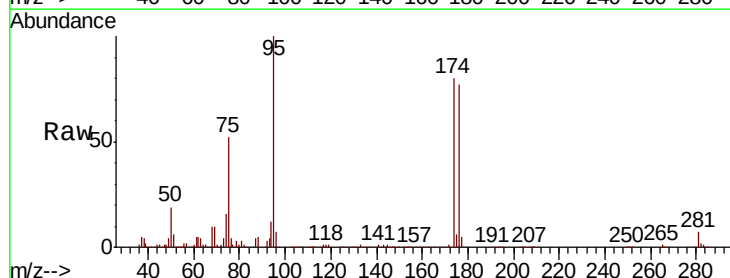
Tgt Ion: 75 Resp: 122784

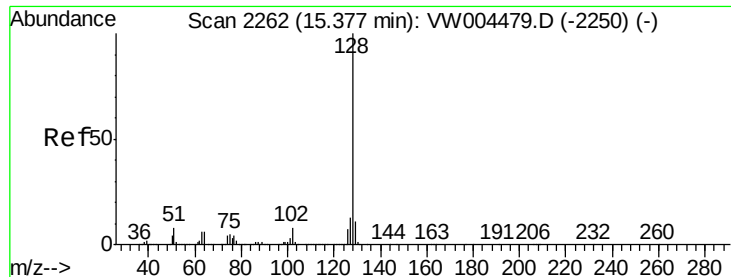
Ion Ratio Lower Upper

75 100

53 0.4 74.4 111.6#

89 0.1 35.9 53.9#





#95

Naphthalene

Concen: 3.035 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004507.D

Acq: 07 Aug 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

C-3

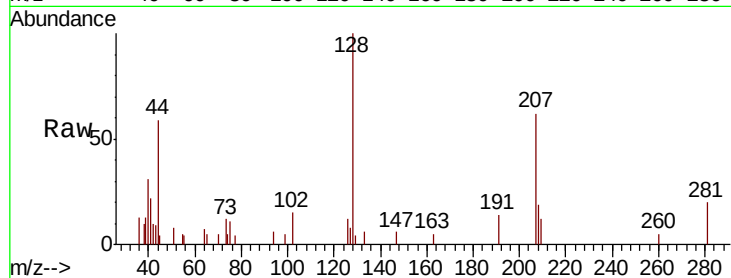
Tgt Ion:128 Resp: 2055

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 10.7 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

