

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004593.D
 Acq On : 10 Aug 2018 13:31
 Operator : SY/AP
 Sample : J4310-03RE
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

Quant Time: Aug 11 00:59:58 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	535855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	865239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	704447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214858	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	316659	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.88	113	298505	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.33	98	936153	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	
62) 4-Bromofluorobenzene	12.62	95	224303	28.31	ug/l	0.00
Spiked Amount			Recovery	=	56.62%	

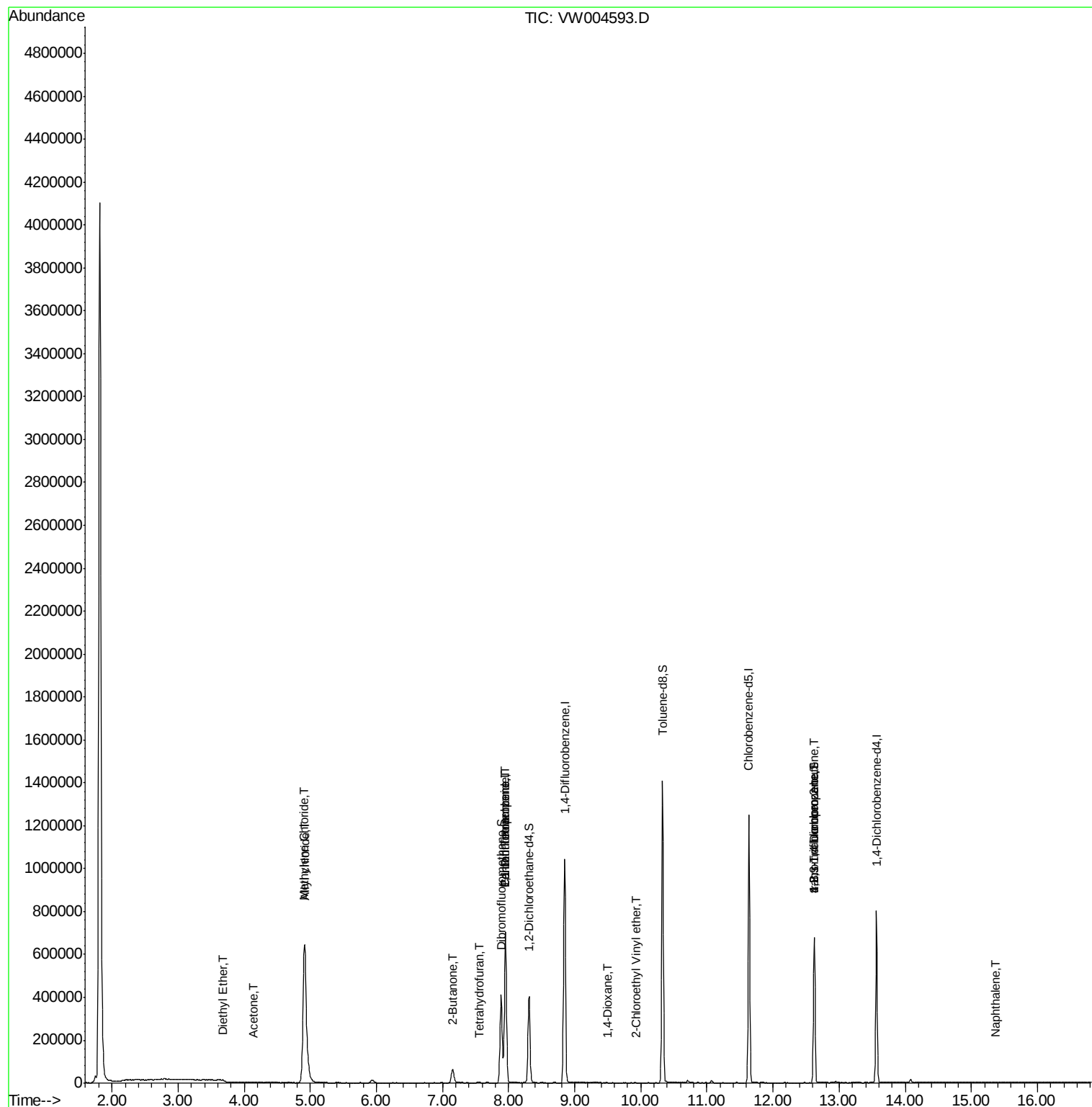
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3722	1.113	ug/l	57
14) Allyl chloride	4.92	41	20389	2.309	ug/l #	27
16) Acetone	4.14	43	4164	2.811	ug/l	92
20) Methylene Chloride	4.92	84	604259	90.742	ug/l	98
25) 2-Butanone	7.15	43	3352	1.407	ug/l #	88
29) Tetrahydrofuran	7.55	42	1375	1.116	ug/l #	88
36) 1,1-Dichloropropene	7.95	75	41372	4.441	ug/l #	49
38) Carbon Tetrachloride	7.95	117	51343	6.124	ug/l #	18
49) 1,4-Dioxane	9.48	88	101	1.898	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.93	63	106	8.976	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	106890	48.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106890	115.090	ug/l #	12
95) Naphthalene	15.38	128	1253	3.038	ug/l #	92

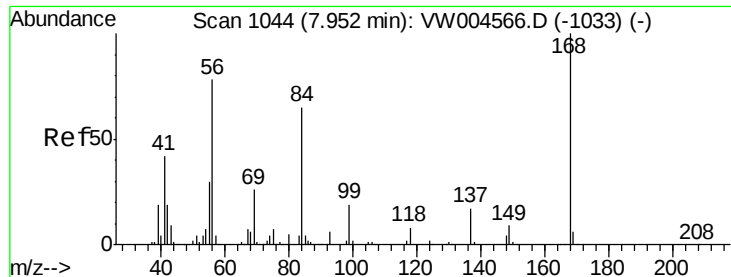
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
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Quant Title : SW846 8260
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: VW004593.D

Acq: 10 Aug 2018 13:31

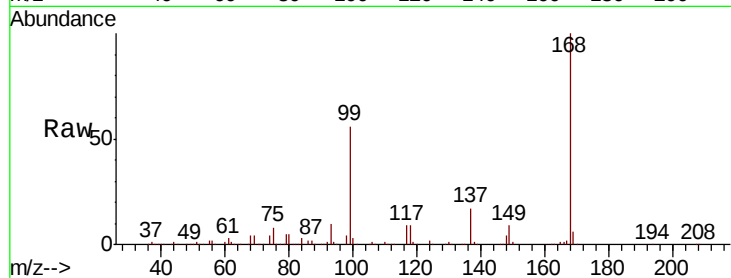
Instrument :
MSVOA_W
ClientSampleId :
C-2RE

Tgt Ion:168 Resp: 535855

Ion Ratio Lower Upper

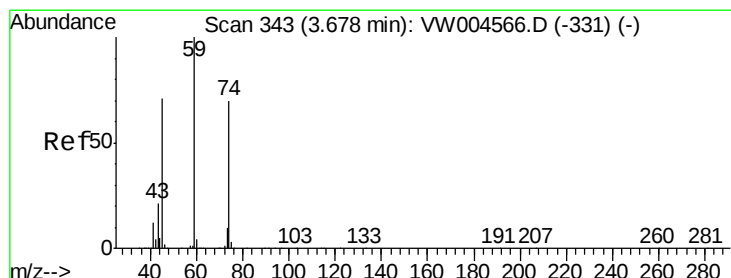
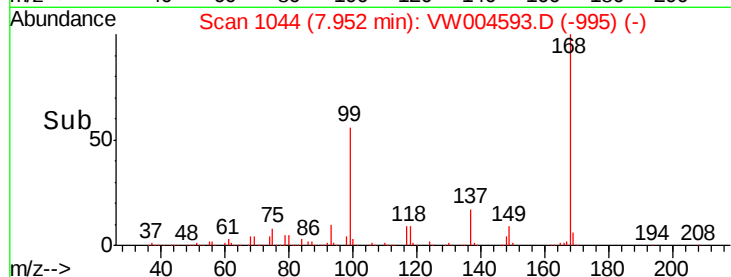
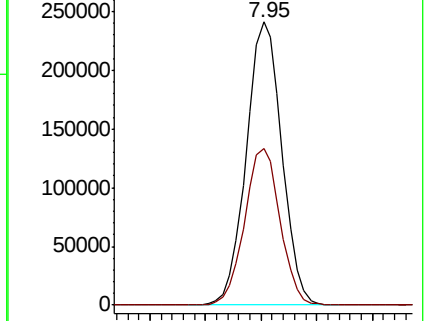
168 100

99 55.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.113 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004593.D

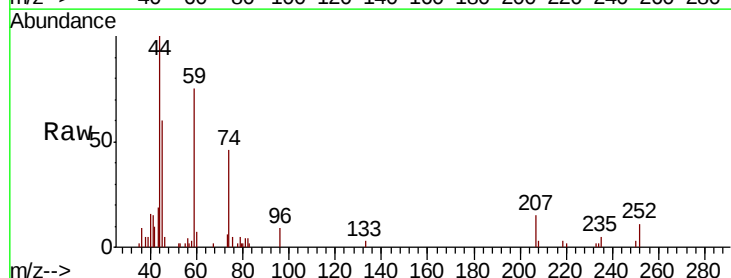
Acq: 10 Aug 2018 13:31

Tgt Ion: 74 Resp: 3722

Ion Ratio Lower Upper

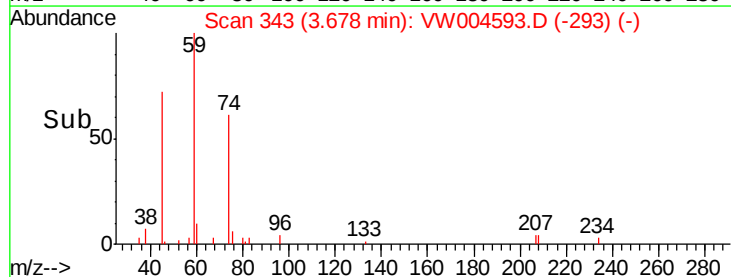
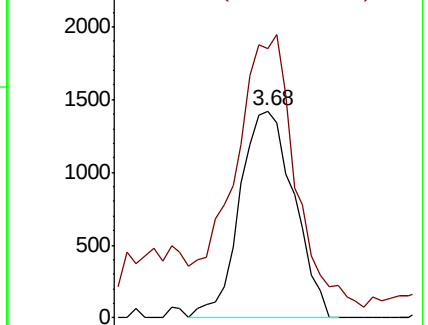
74 100

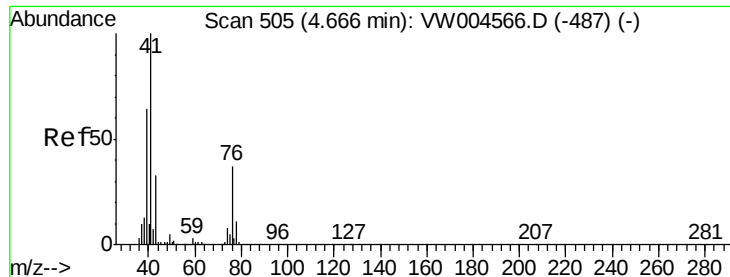
45 146.1 51.2 153.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

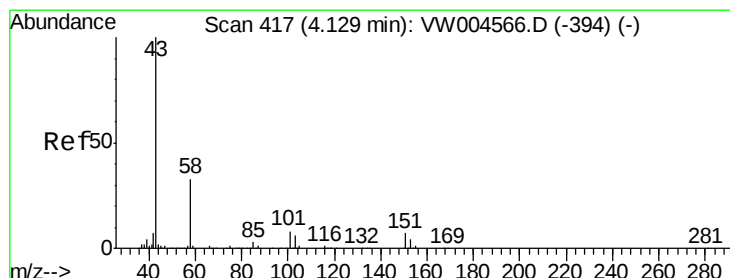
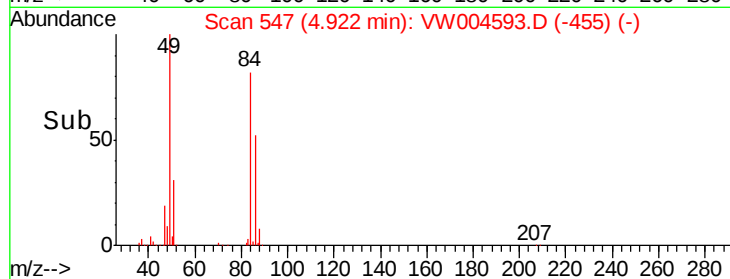
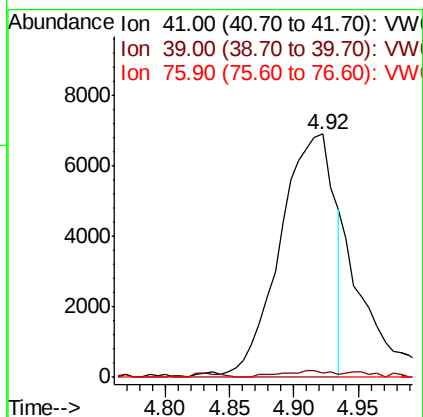
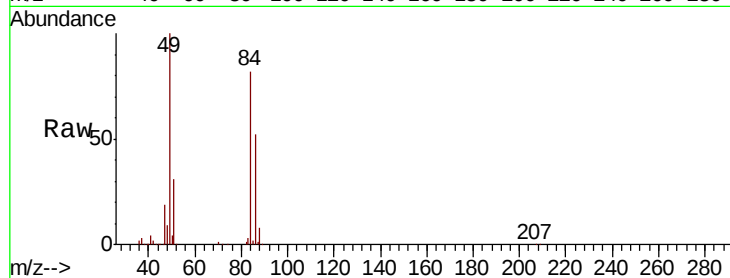




#14
 Allyl chloride
 Concen: 2.309 ug/l
 RT: 4.92 min Scan# 547
 Delta R.T. 0.26 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

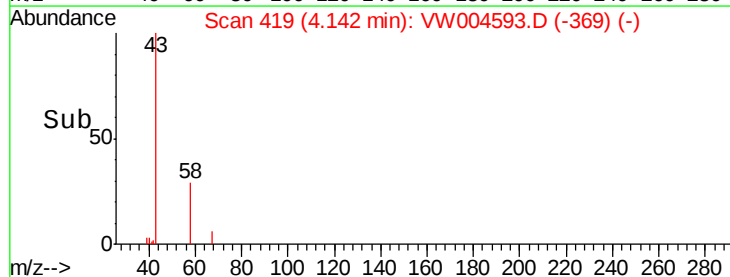
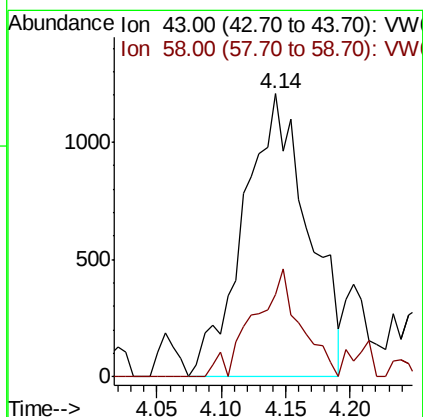
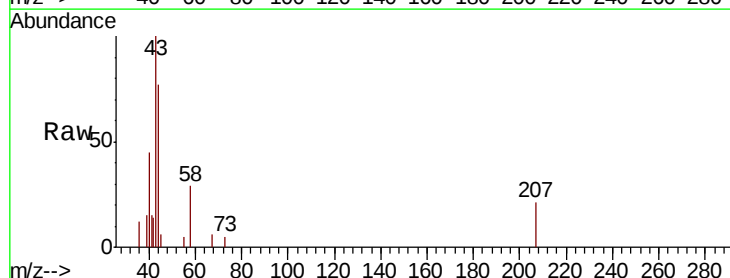
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

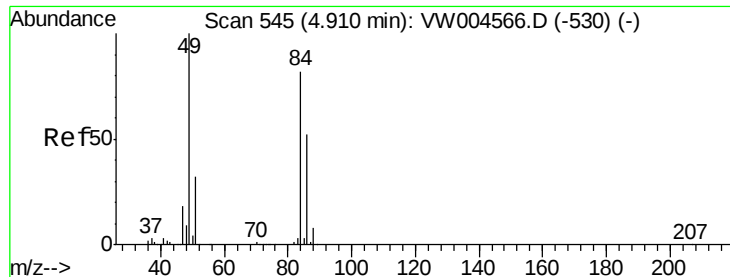
Tgt Ion: 41 Resp: 20389
 Ion Ratio Lower Upper
 41 100
 39 2.5 51.9 77.9#
 76 0.0 29.0 43.6#



#16
 Acetone
 Concen: 2.811 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

Tgt Ion: 43 Resp: 4164
 Ion Ratio Lower Upper
 43 100
 58 29.1 26.8 40.2





#20

Methylene Chloride

Concen: 90.742 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004593.D

Acq: 10 Aug 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

C-2RE

Tgt Ion: 84 Resp: 604259

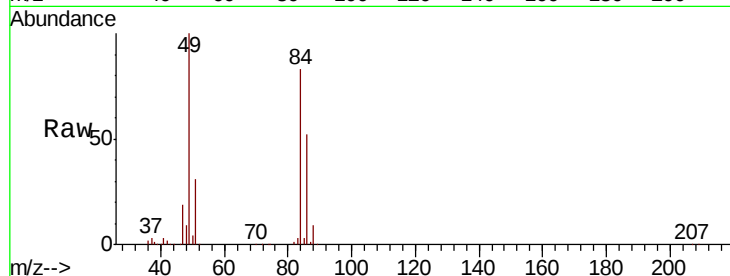
Ion Ratio Lower Upper

84 100

49 121.1 99.6 149.4

51 37.2 31.0 46.4

86 63.4 51.5 77.3



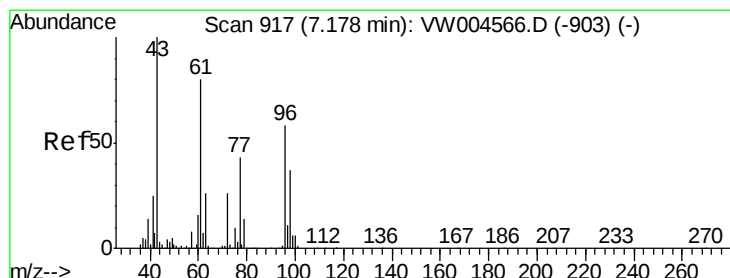
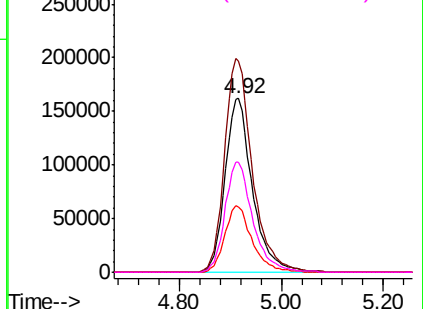
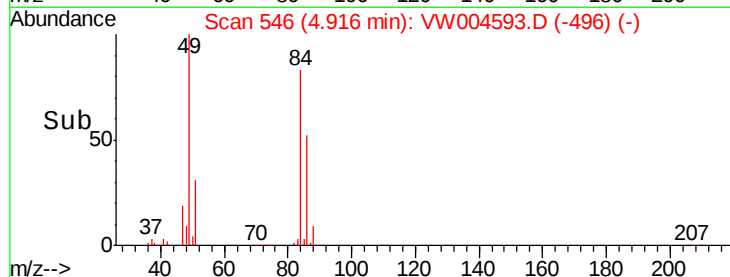
Abundance

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



#25

2-Butanone

Concen: 1.407 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW004593.D

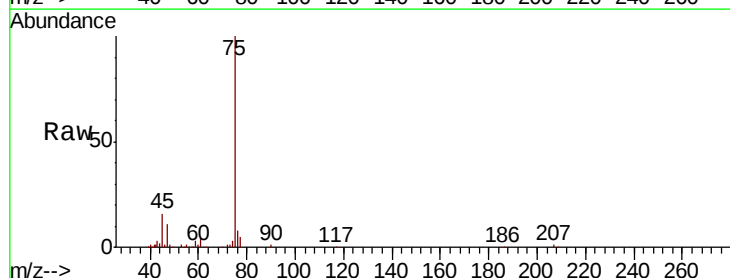
Acq: 10 Aug 2018 13:31

Tgt Ion: 43 Resp: 3352

Ion Ratio Lower Upper

43 100

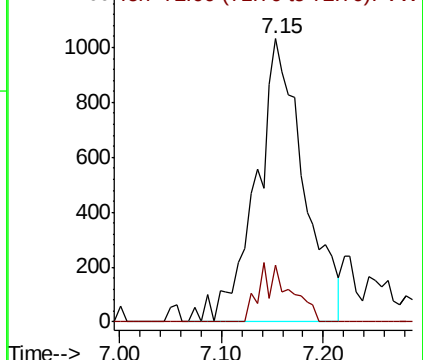
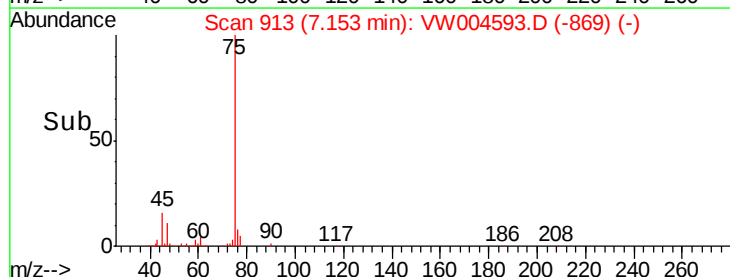
72 20.2 21.0 31.6#

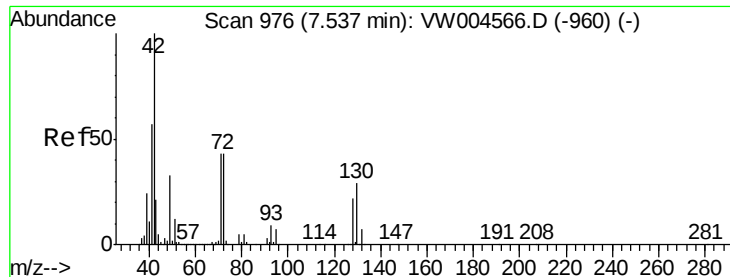


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

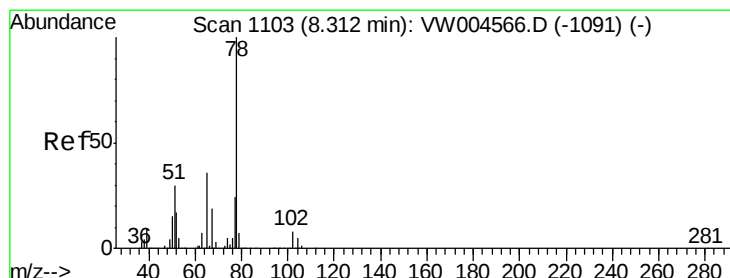
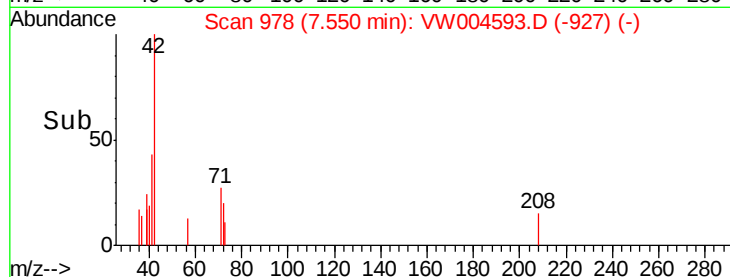
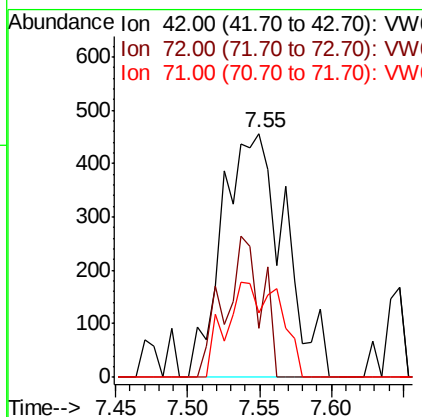
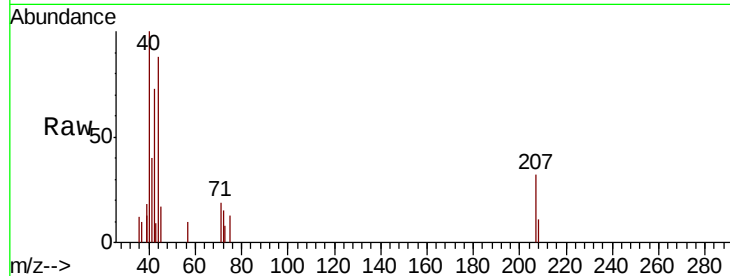




#29
Tetrahydrofuran
Concen: 1.116 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW004593.D
Acq: 10 Aug 2018 13:31

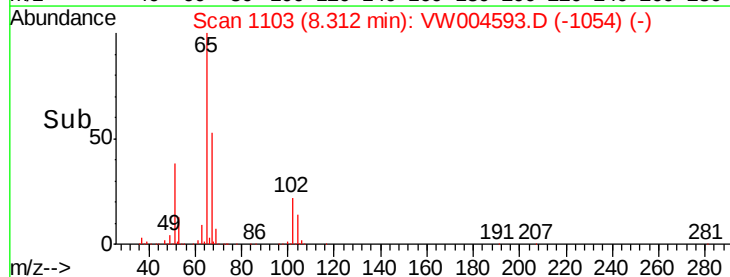
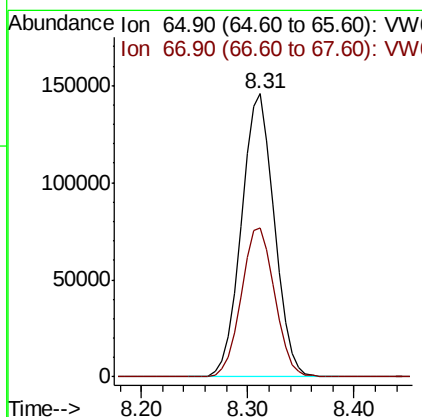
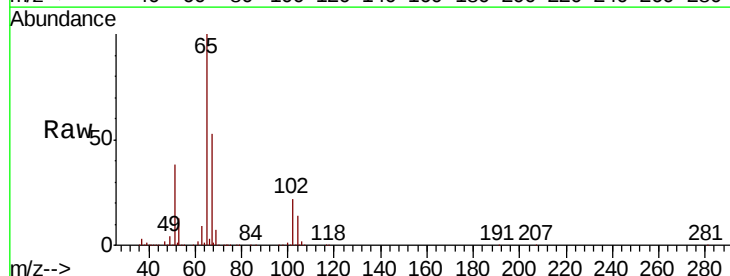
Instrument :
MSVOA_W
ClientSampled :
C-2RE

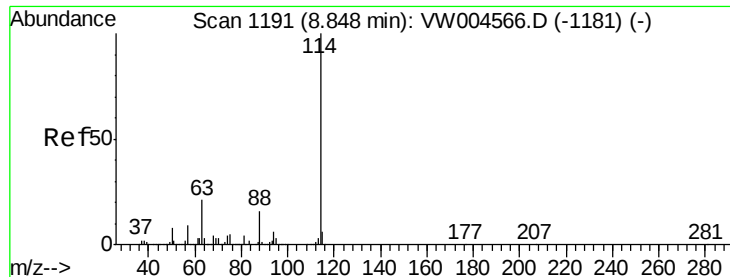
Tgt Ion: 42 Resp: 1375
Ion Ratio Lower Upper
42 100
72 34.0 34.1 51.1#
71 33.5 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 53.384 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004593.D
Acq: 10 Aug 2018 13:31

Tgt Ion: 65 Resp: 316659
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.0

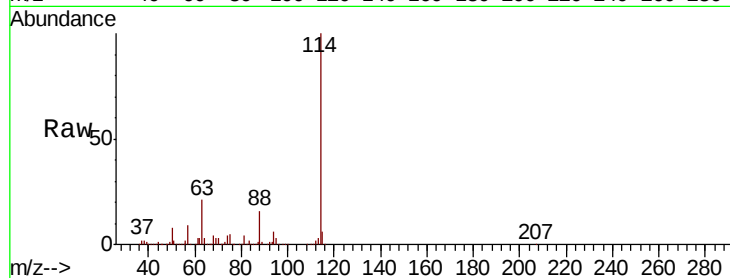




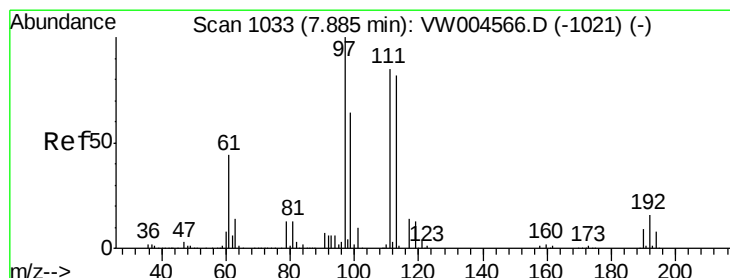
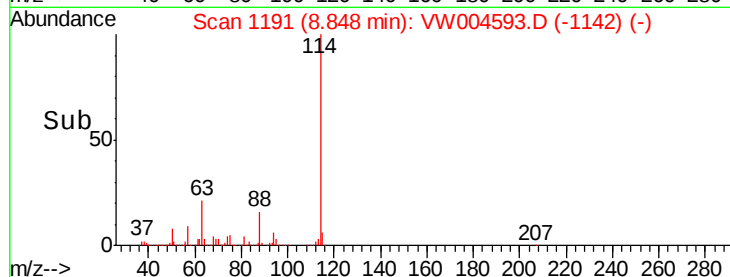
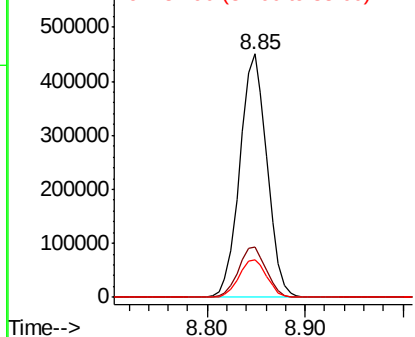
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	15.5	0.0	31.2

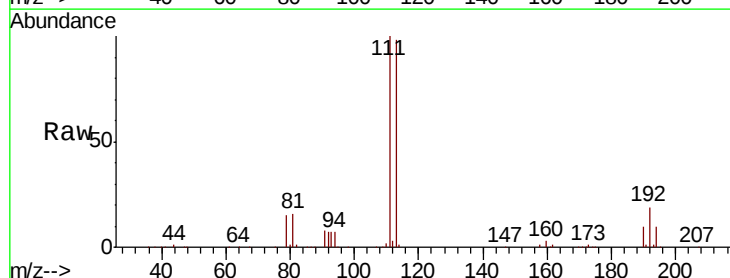


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

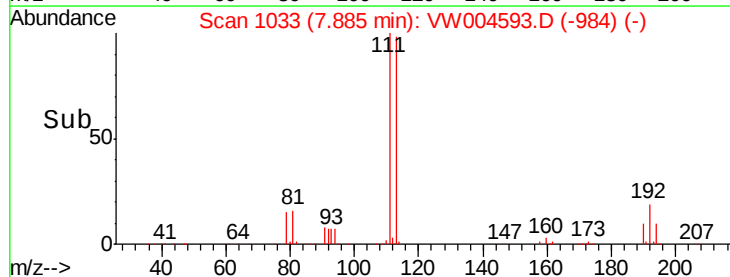
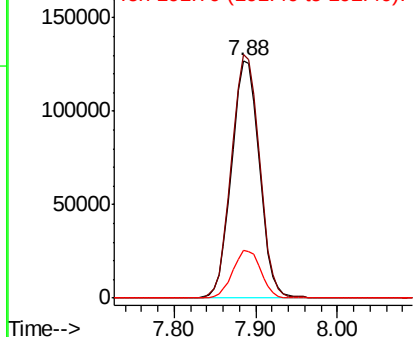


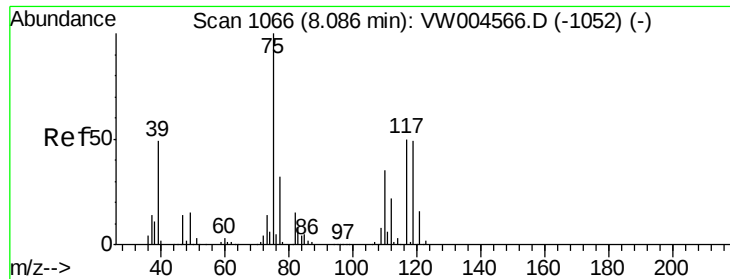
#35
 Dibromofluoromethane
 Concen: 51.742 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	20.3	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

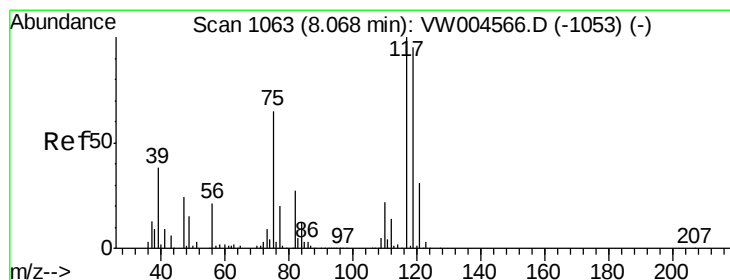
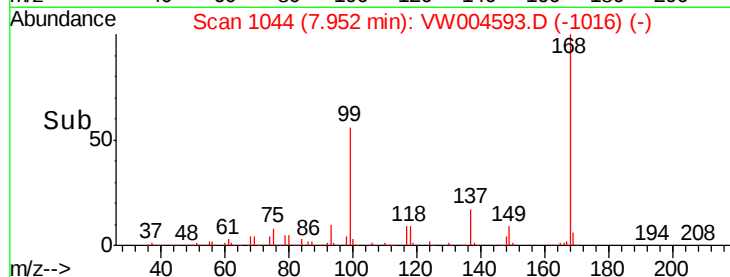
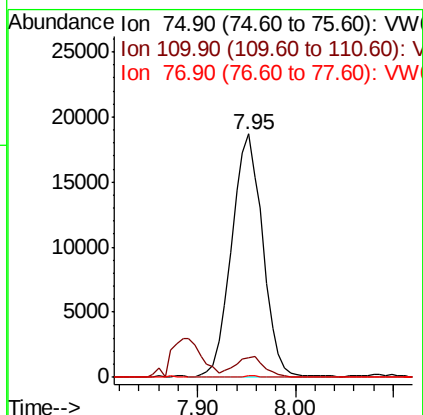
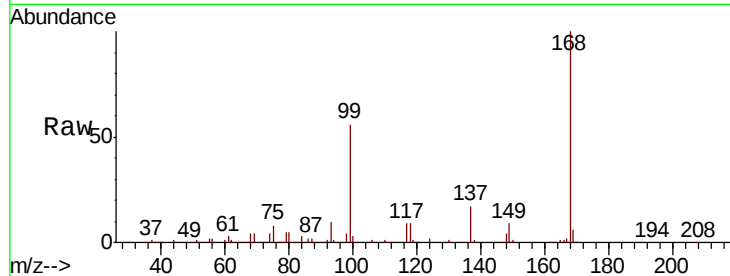




#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

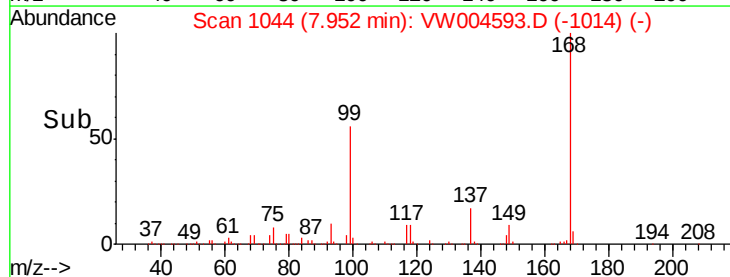
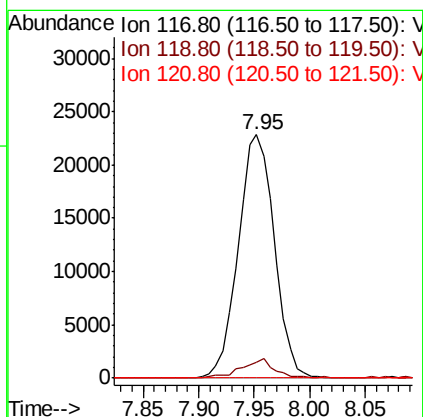
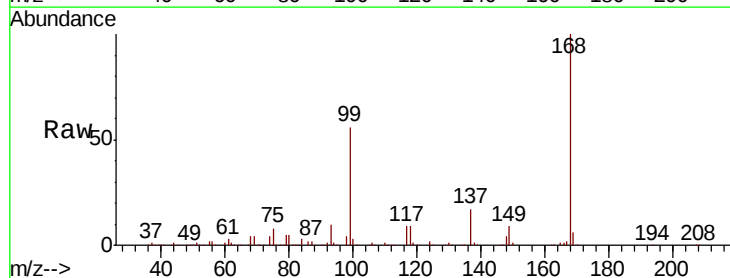
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

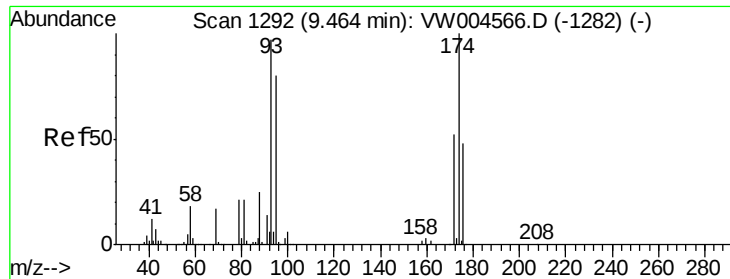
Tgt Ion: 75 Resp: 41372
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.4 52.2#
 77 0.2 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.124 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

Tgt Ion: 117 Resp: 51343
 Ion Ratio Lower Upper
 117 100
 119 6.7 76.1 114.1#
 121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.898 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW004593.D

Acq: 10 Aug 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

C-2RE

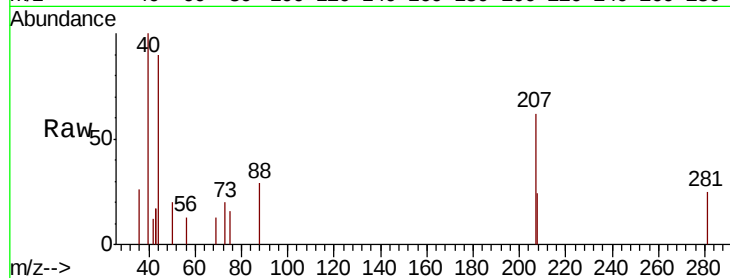
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 268.3 0.0 0.0#

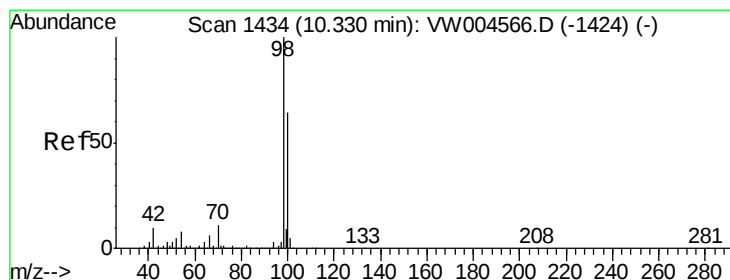
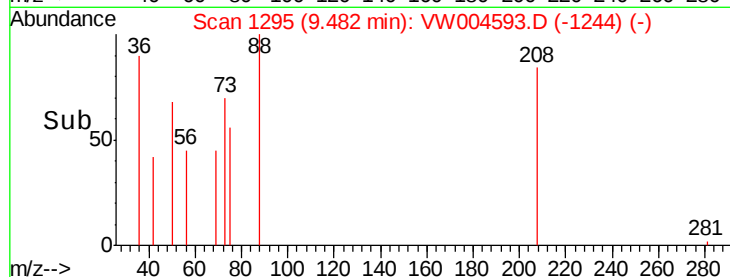
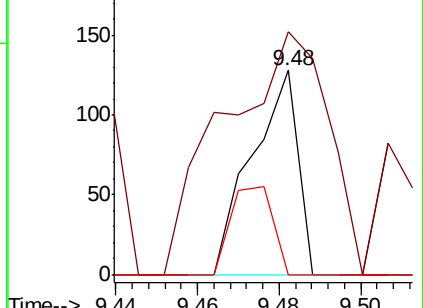
58 39.6 63.5 95.3#



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: 42.564 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004593.D

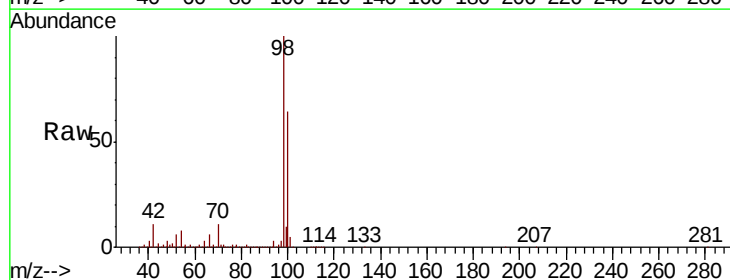
Acq: 10 Aug 2018 13:31

Tgt Ion: 98 Resp: 936153

Ion Ratio Lower Upper

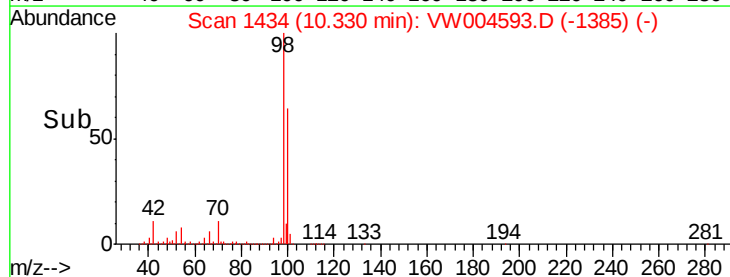
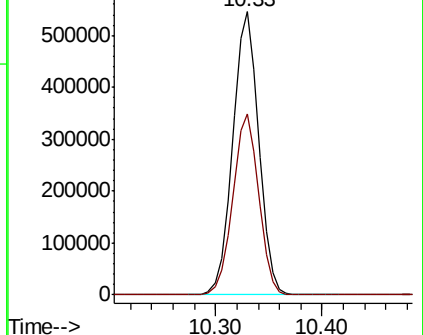
98 100

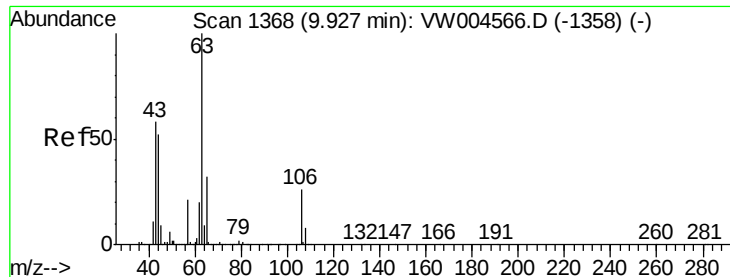
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

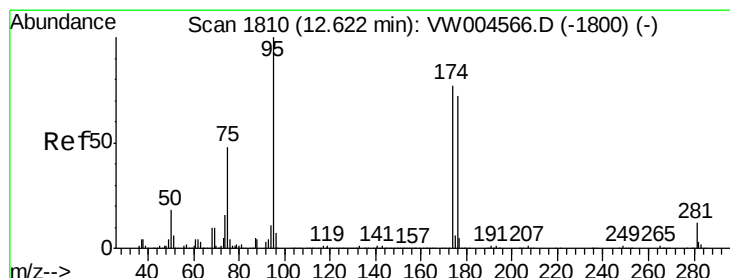
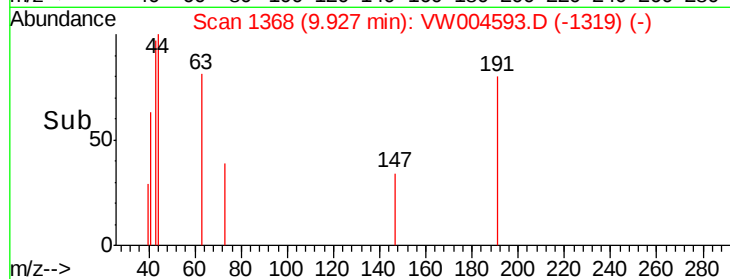
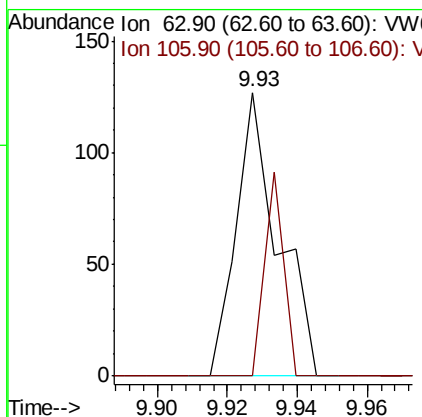
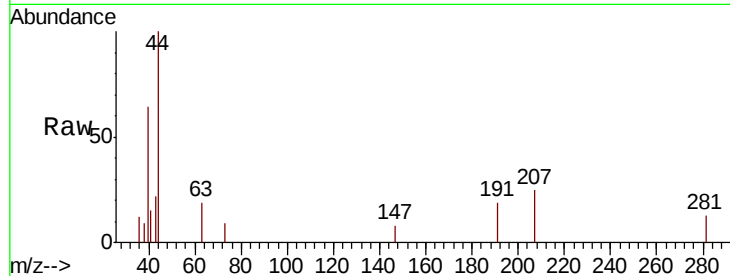




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.976 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

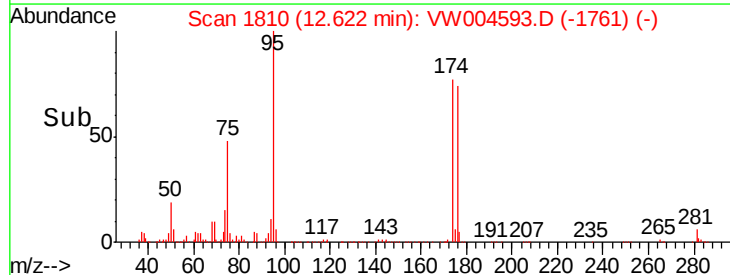
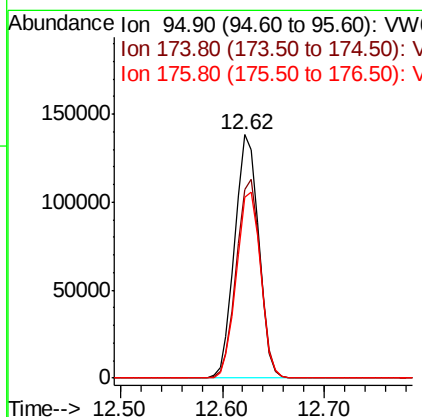
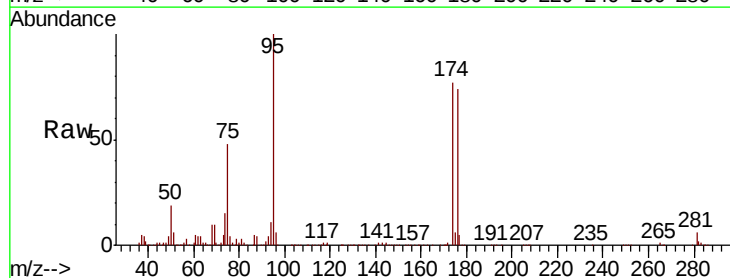
Instrument :
 MSVOA_W
 ClientSampled :
 C-2RE

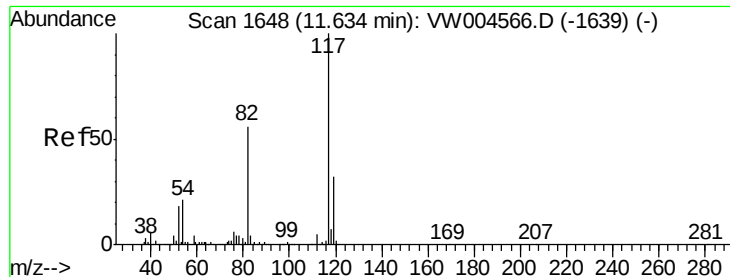
Tgt Ion: 63 Resp: 106
 Ion Ratio Lower Upper
 63 100
 106 31.1 21.3 31.9



#62
 4-Bromofluorobenzene
 Concen: 28.312 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004593.D
 Acq: 10 Aug 2018 13:31

Tgt Ion: 95 Resp: 224303
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 160.4
 176 77.3 0.0 153.2

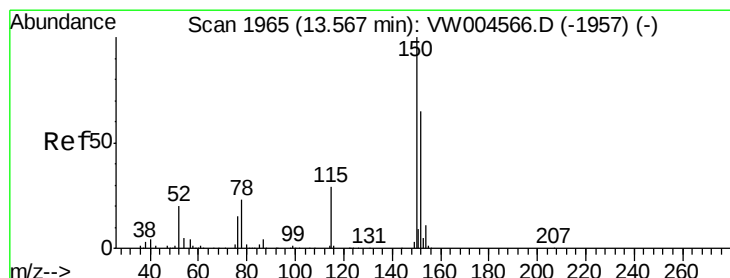
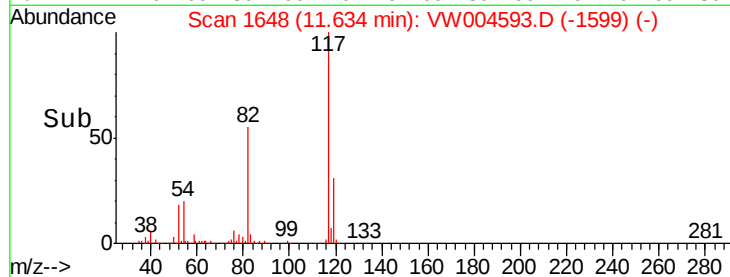
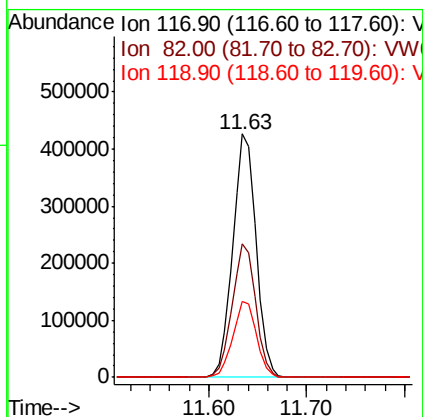
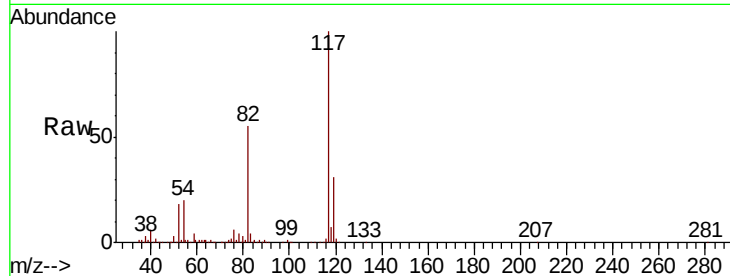




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004593.D
Acq: 10 Aug 2018 13:31

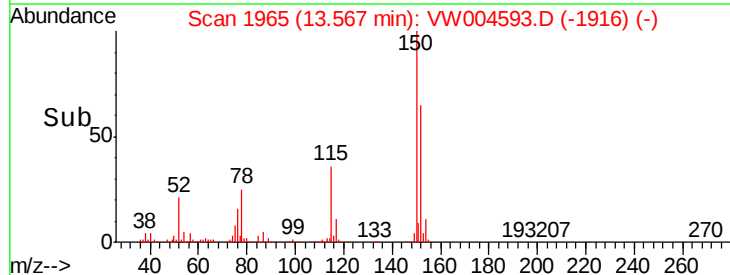
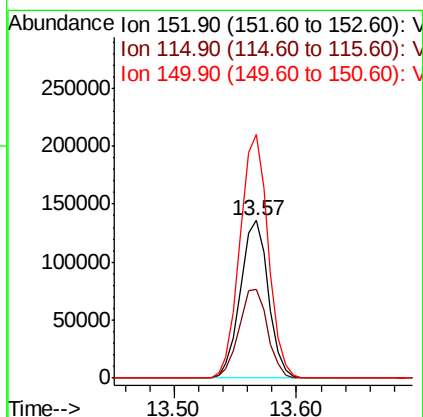
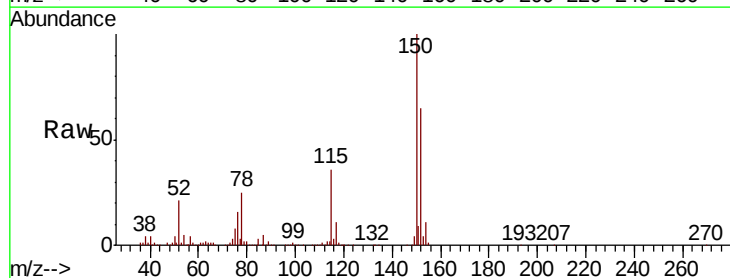
Instrument :
MSVOA_W
ClientSampleId :
C-2RE

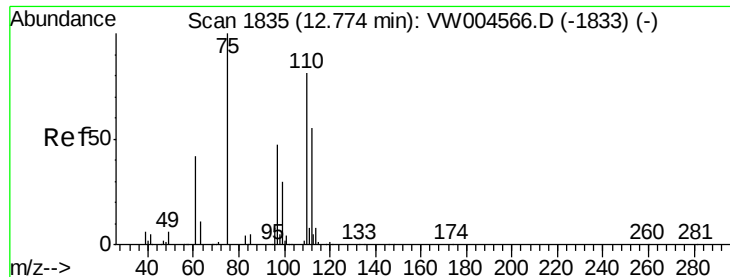
Tgt Ion:117 Resp: 704447
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004593.D
Acq: 10 Aug 2018 13:31

Tgt Ion:152 Resp: 214858
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 156.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 48.077 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004593.D

Acq: 10 Aug 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

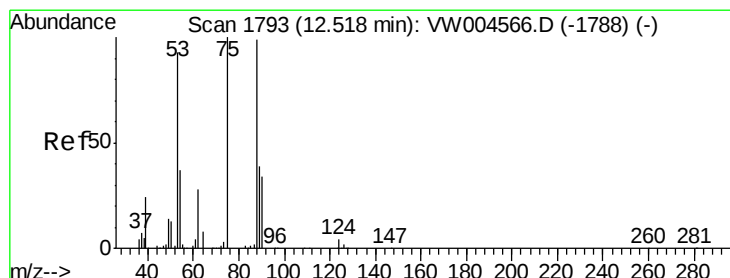
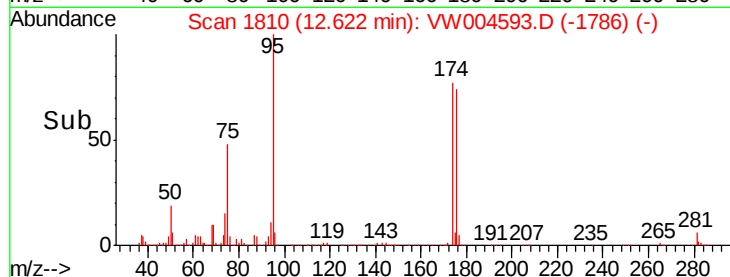
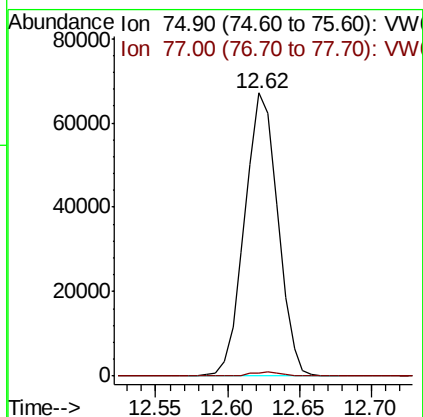
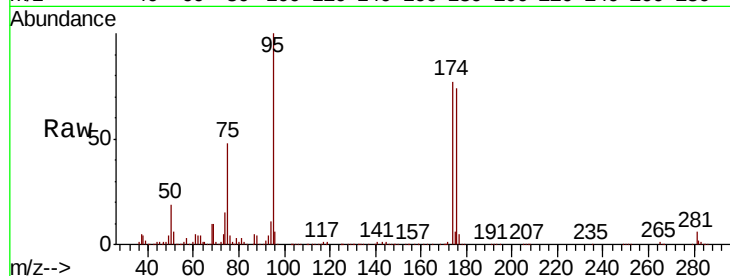
C-2RE

Tgt Ion: 75 Resp: 106890

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.090 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004593.D

Acq: 10 Aug 2018 13:31

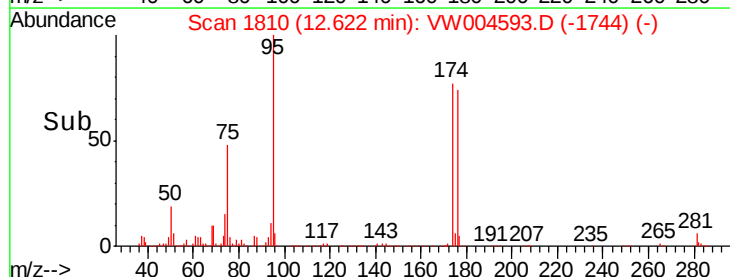
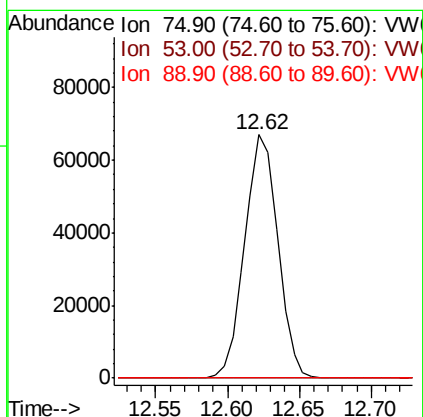
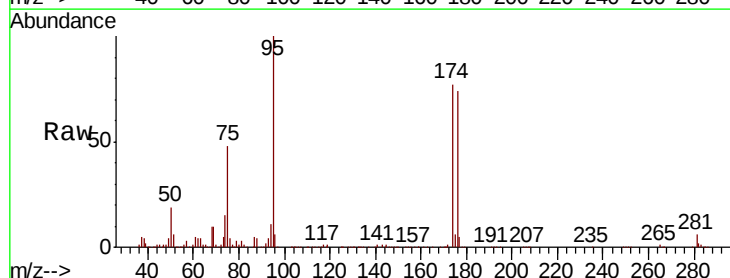
Tgt Ion: 75 Resp: 106890

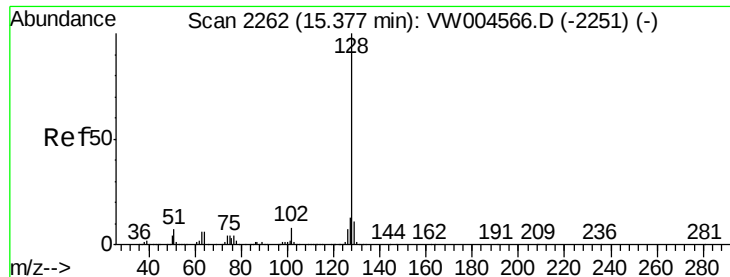
Ion Ratio Lower Upper

75 100

53 0.2 74.4 111.6#

89 0.1 35.9 53.9#





#95

Naphthalene

Concen: 3.038 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004593.D

Acq: 10 Aug 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

C-2RE

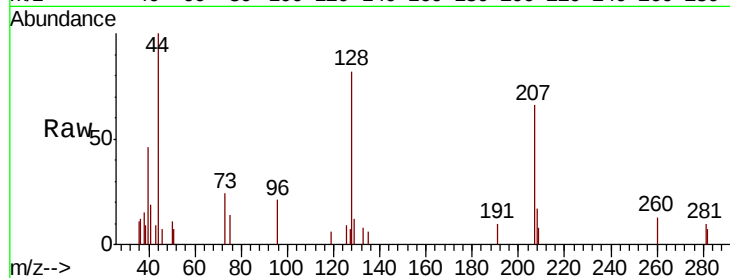
Tgt Ion:128 Resp: 1253

Ion Ratio Lower Upper

128 100

127 15.6 10.3 15.5#

129 7.5 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

