

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011759.D
 Acq On : 07 Aug 2019 18:39
 Operator : SY/VA
 Sample : K4092-01
 Misc : 6.31G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-A

Quant Time: Aug 08 08:42:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

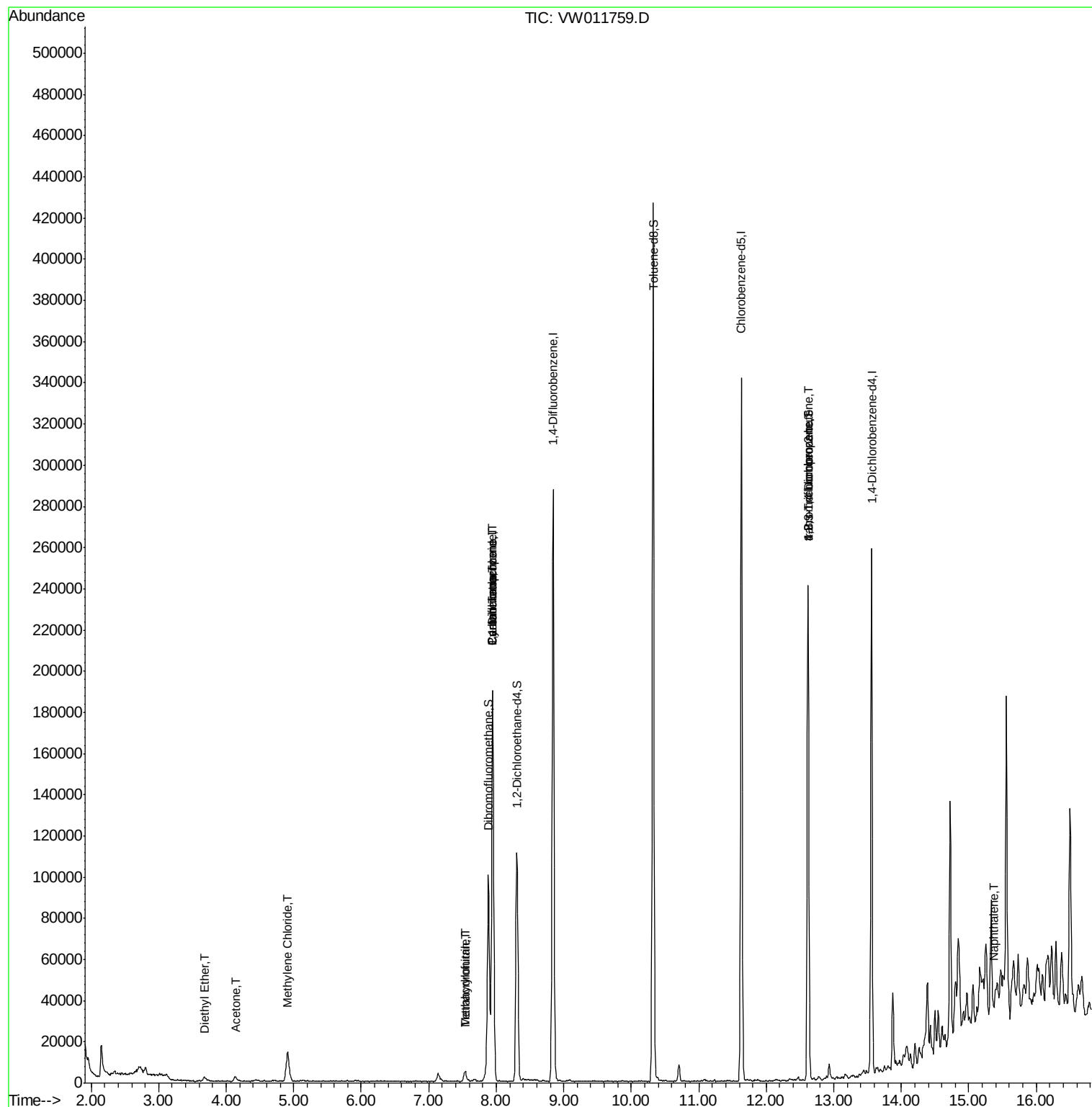
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	135738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64161	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	89670	57.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.06%	
35) Dibromofluoromethane	7.88	113	69914	57.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.44%	
50) Toluene-d8	10.32	98	266515	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	78140	43.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.62%	
Target Compounds						
8) Diethyl Ether	3.69	74	1025	1.281	ug/l	69
11) Tert butyl alcohol	5.21	59	195	Below Cal	#	72
16) Acetone	4.14	43	4360	8.794	ug/l	99
20) Methylene Chloride	4.90	84	9185	5.372	ug/l	93
29) Tetrahydrofuran	7.53	42	4410	11.892	ug/l	95
31) Cyclohexane	7.94	56	3803	1.305	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	11974	5.287	ug/l #	53
38) Carbon Tetrachloride	7.95	117	13776	7.106	ug/l #	18
41) Methacrylonitrile	7.53	41	2985	3.833	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	41473	61.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41473	140.788	ug/l #	6
95) Naphthalene	15.37	128	367	2.205	ug/l #	69

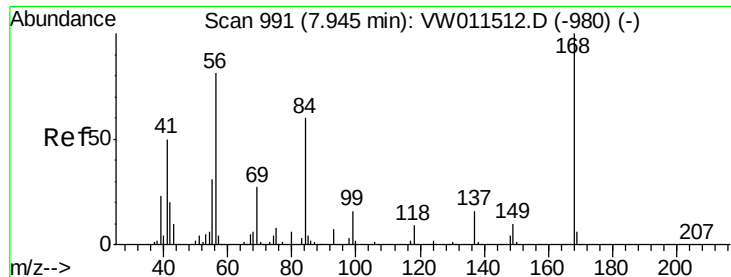
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

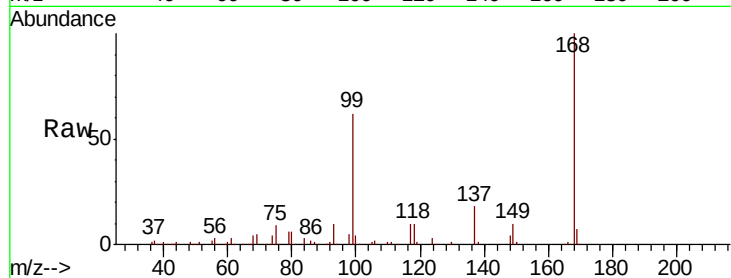
EO-01-080719-A

Tgt Ion:168 Resp: 135738

Ion Ratio Lower Upper

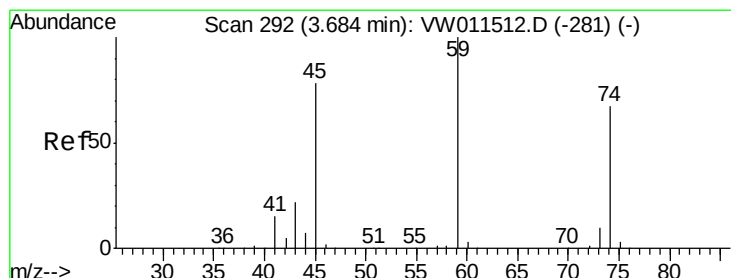
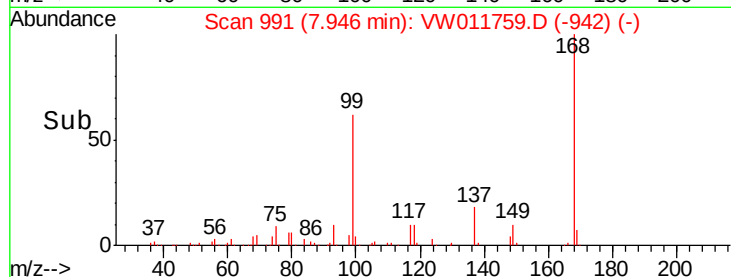
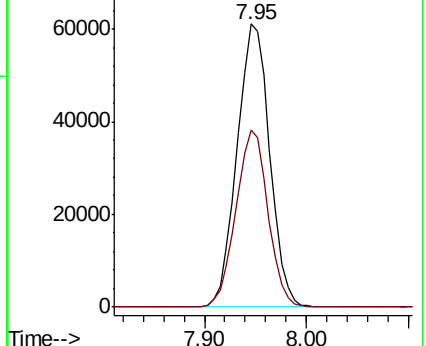
168 100

99 62.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.281 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW011759.D

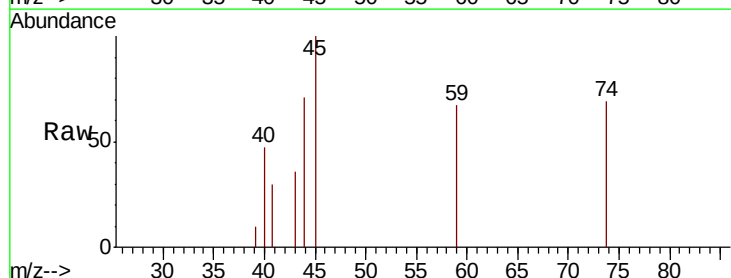
Acq: 07 Aug 2019 18:39

Tgt Ion: 74 Resp: 1025

Ion Ratio Lower Upper

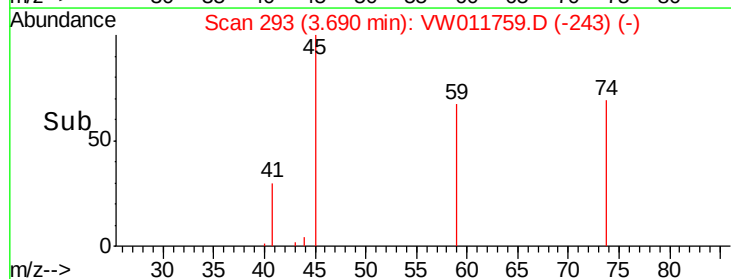
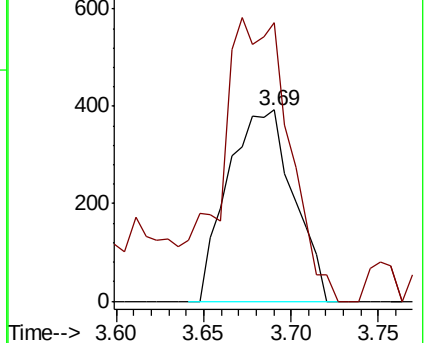
74 100

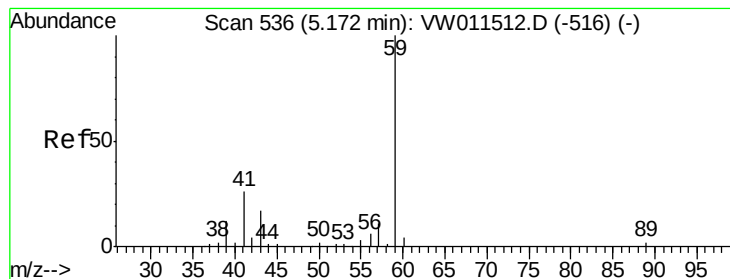
45 153.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



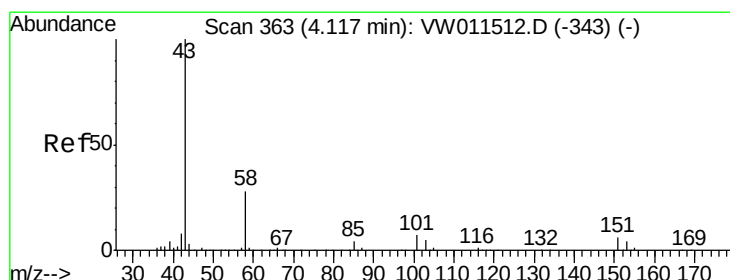
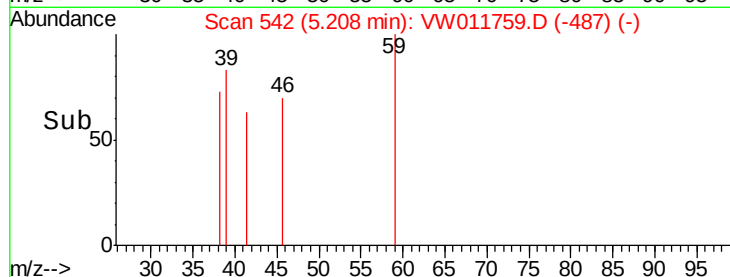
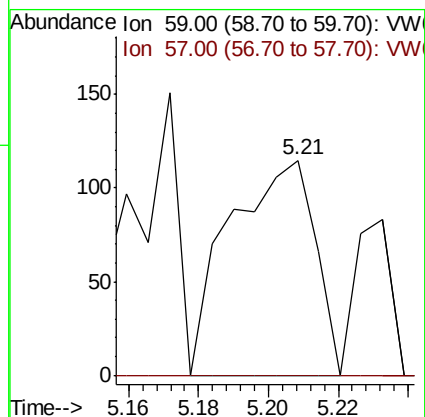
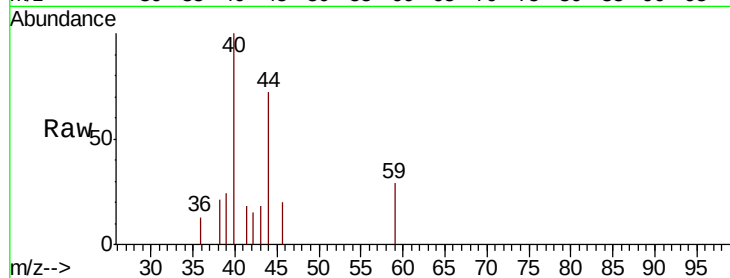


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-A

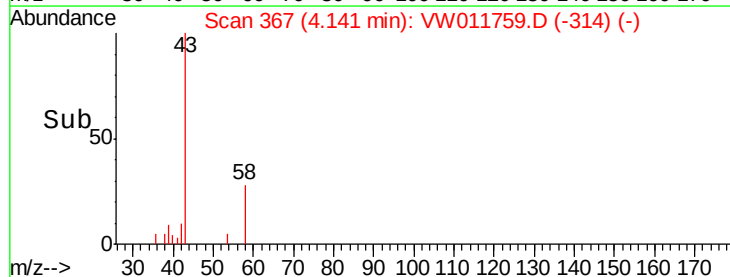
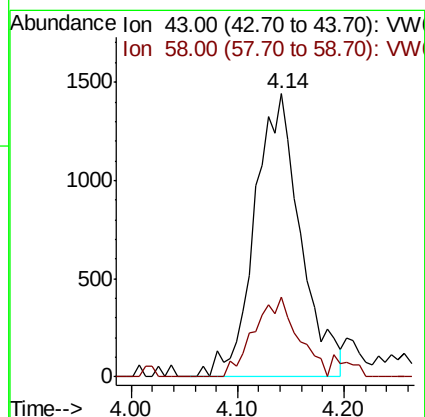
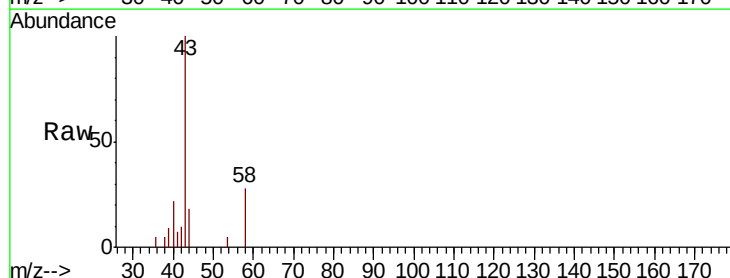
Tgt Ion: 59 Resp: 195
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

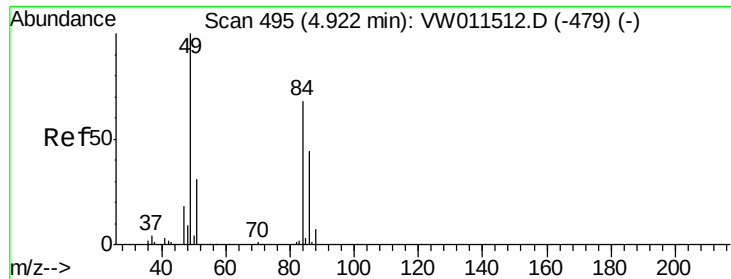


#16

Acetone
 Concen: 8.794 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

Tgt Ion: 43 Resp: 4360
 Ion Ratio Lower Upper
 43 100
 58 28.4 22.3 33.5

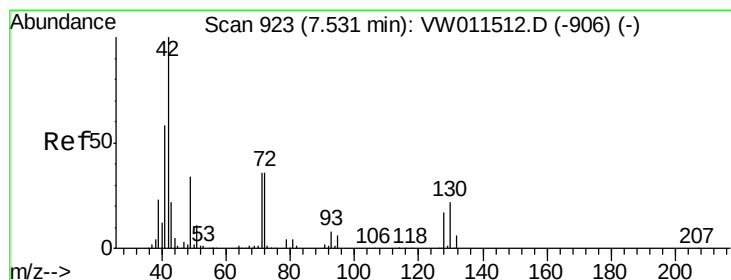
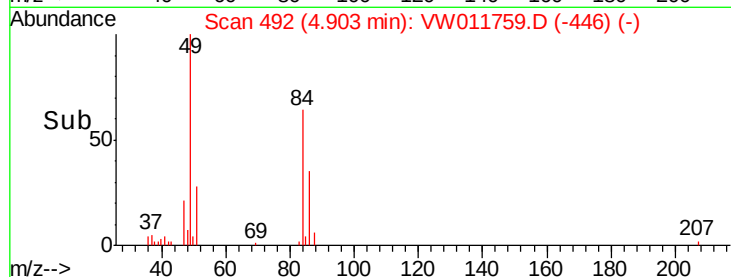
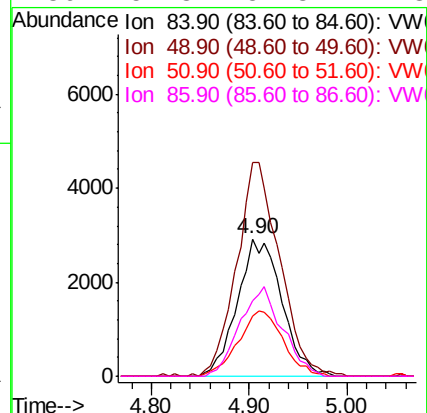
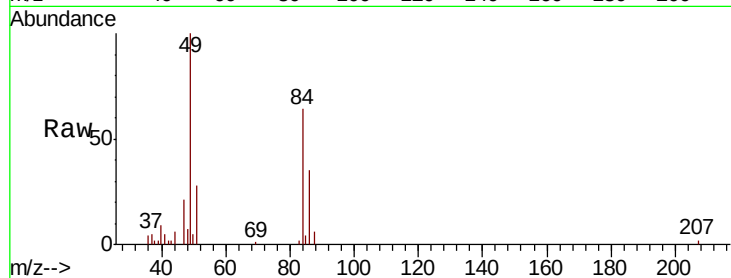




#20
Methylene Chloride
Concen: 5.372 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011759.D
Acq: 07 Aug 2019 18:39

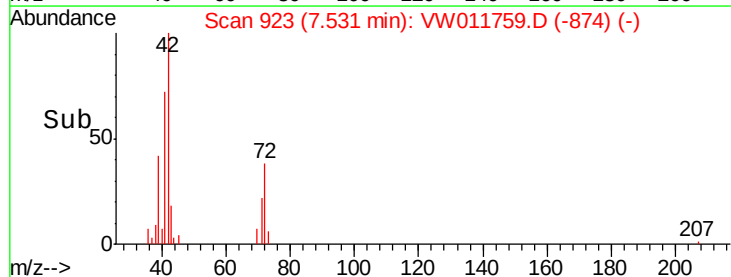
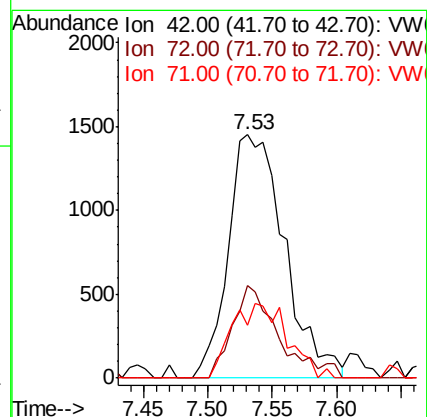
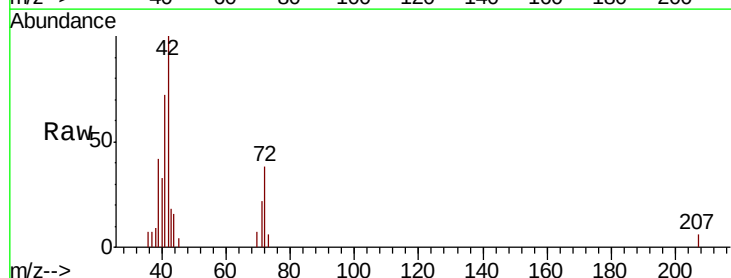
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-A

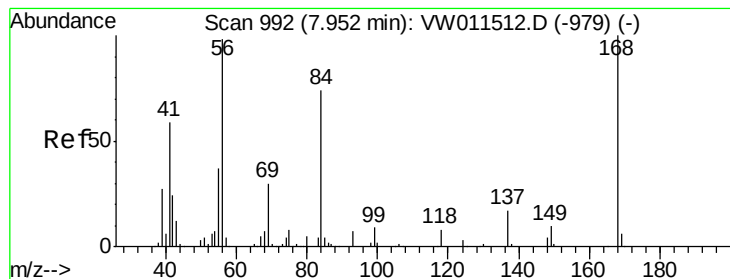
Tgt Ion: 84 Resp: 9185
Ion Ratio Lower Upper
84 100
49 153.5 117.8 176.6
51 44.1 37.0 55.4
86 54.8 51.8 77.8



#29
Tetrahydrofuran
Concen: 11.892 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011759.D
Acq: 07 Aug 2019 18:39

Tgt Ion: 42 Resp: 4410
Ion Ratio Lower Upper
42 100
72 31.2 27.1 40.7
71 30.3 26.2 39.4





#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-A

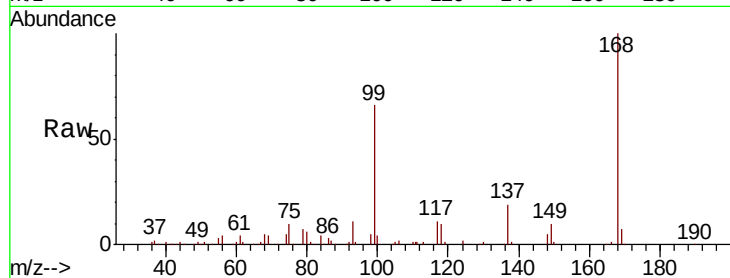
Tgt Ion: 56 Resp: 3803

Ion Ratio Lower Upper

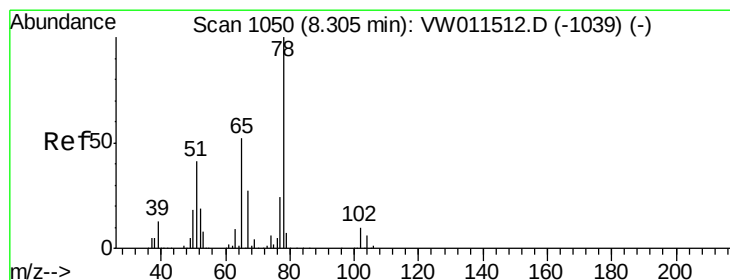
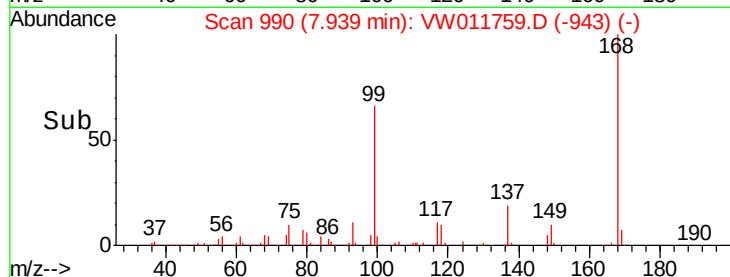
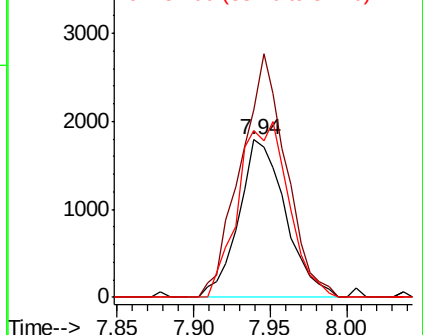
56 100

69 118.8 24.3 36.5#

84 105.9 60.4 90.6#



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: 57.531 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011759.D

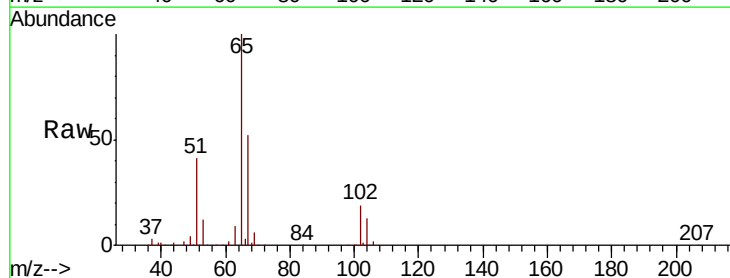
Acq: 07 Aug 2019 18:39

Tgt Ion: 65 Resp: 89670

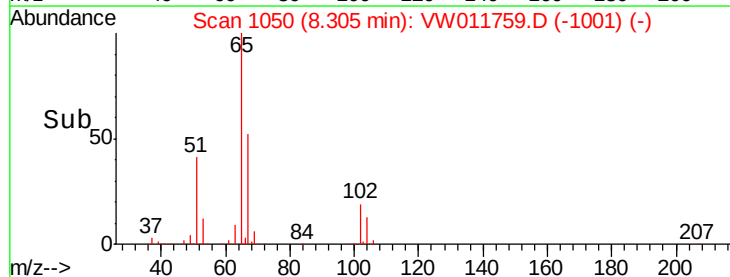
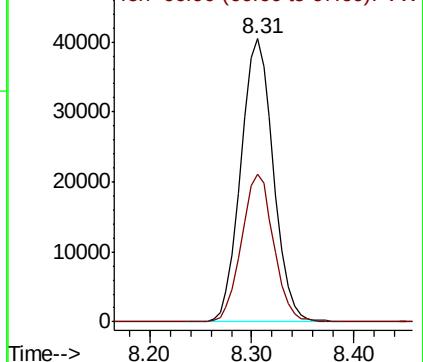
Ion Ratio Lower Upper

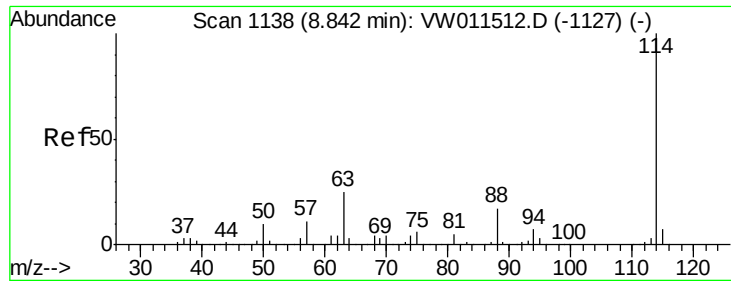
65 100

67 51.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

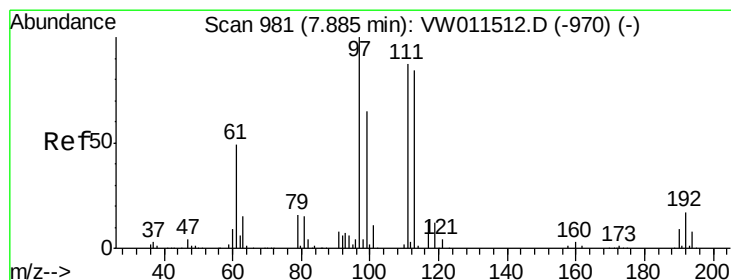
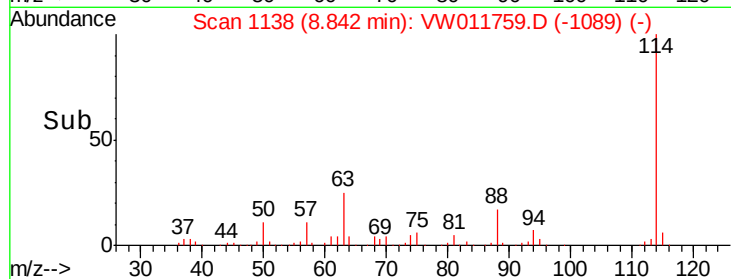
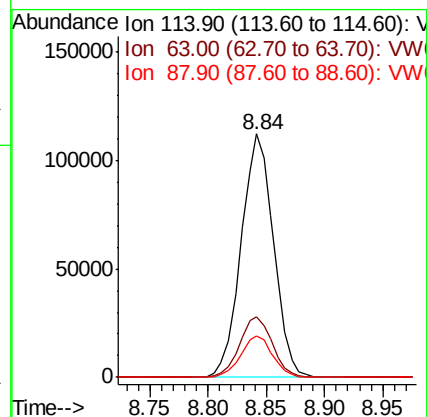
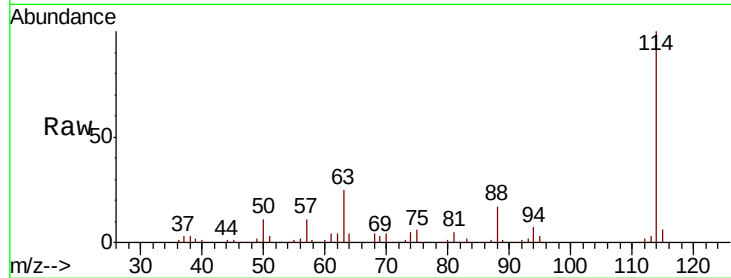




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

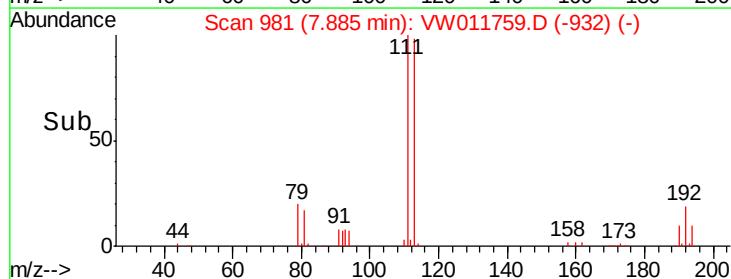
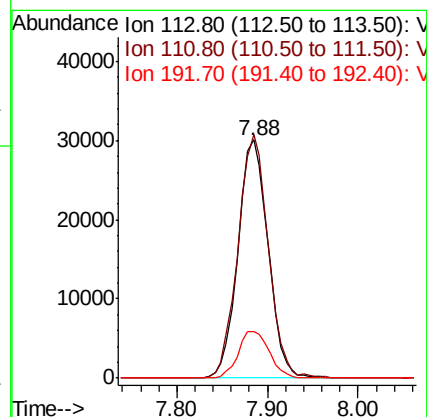
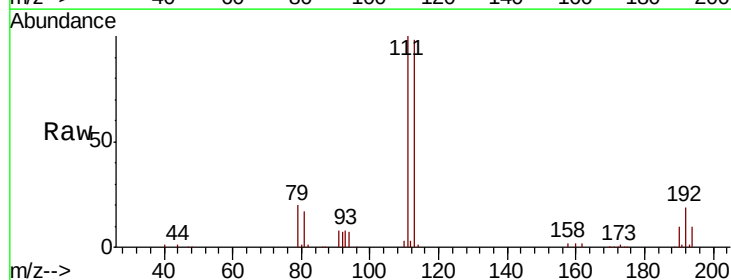
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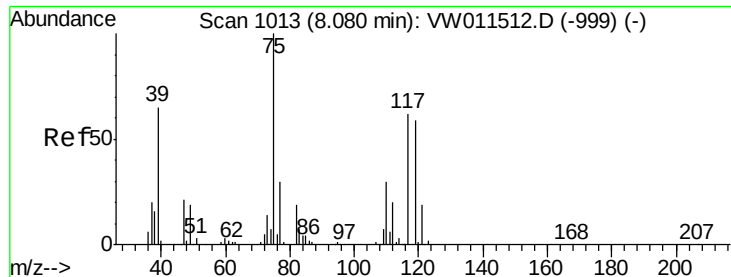
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	17.2	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 57.219 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.2	16.1	24.1

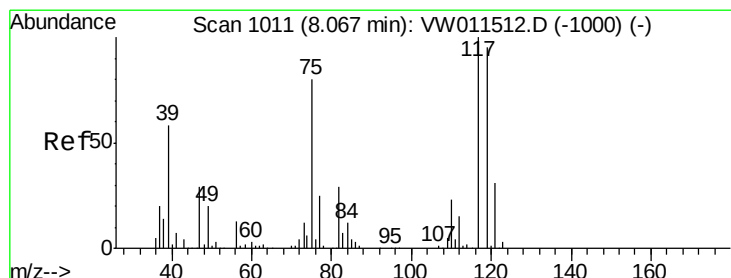
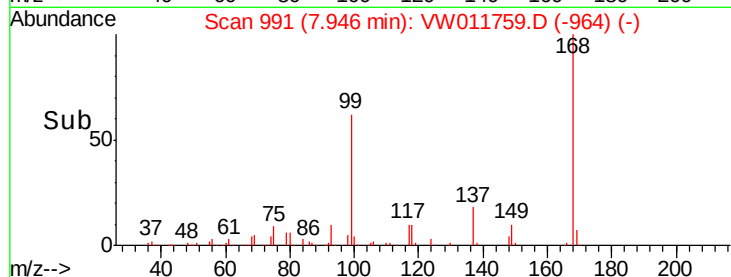
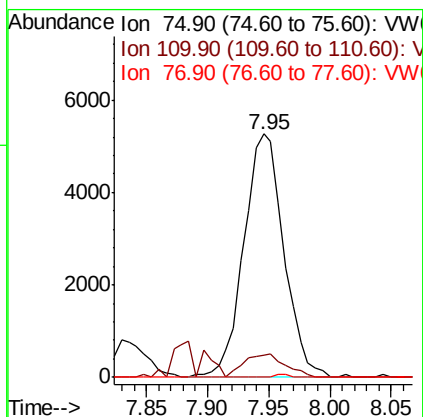
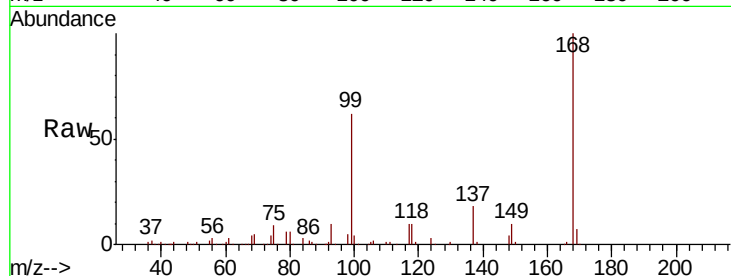




#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

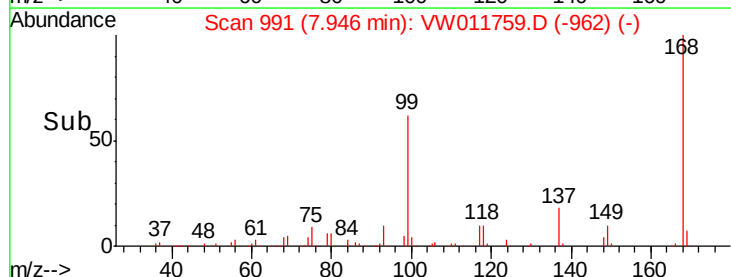
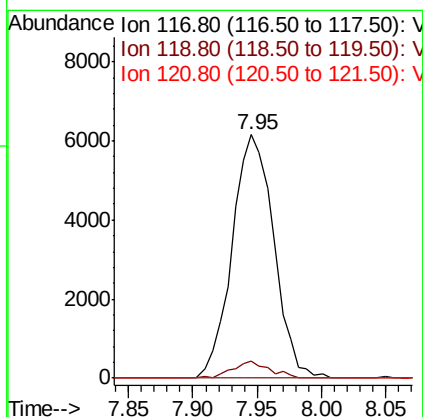
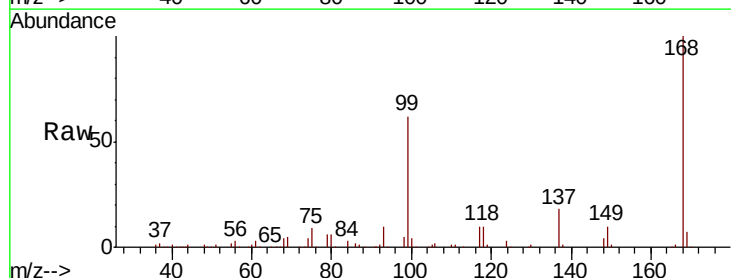
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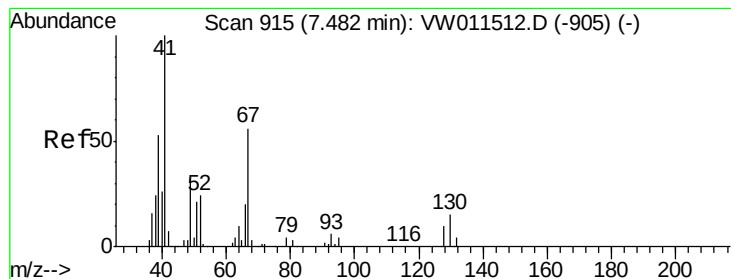
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.6	46.8#
77	0.4	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.106 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011759.D
 Acq: 07 Aug 2019 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	75.8	113.6#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 3.833 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

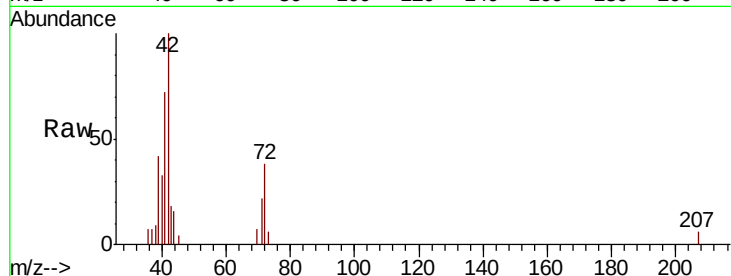
Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-A

Tgt Ion:	41	Resp:	2985
Ion	Ratio	Lower	Upper
41	100		
39	57.3	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



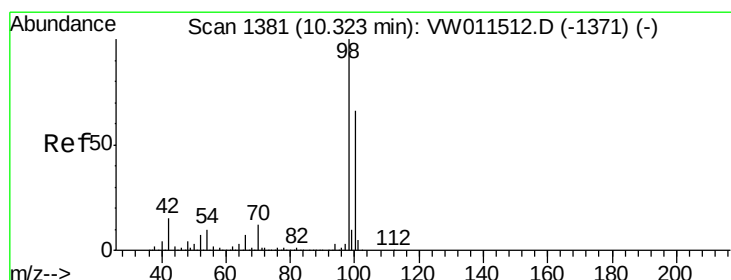
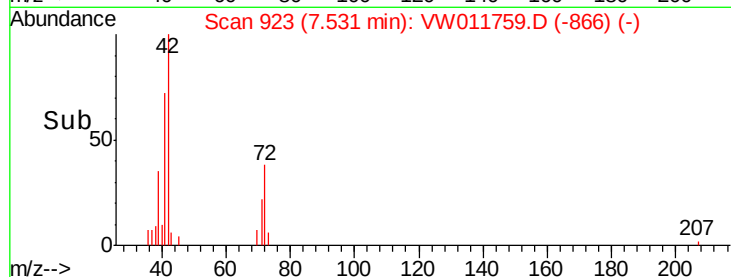
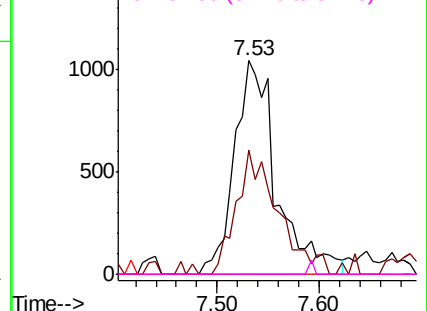
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 53.275 ug/l

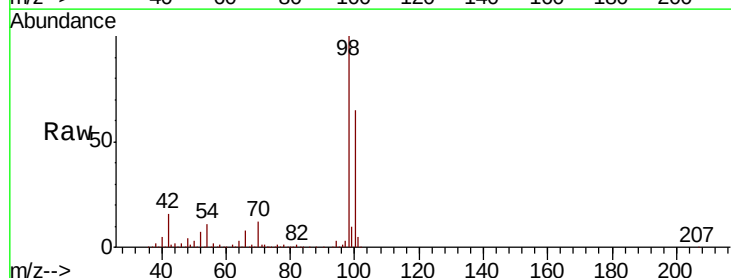
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

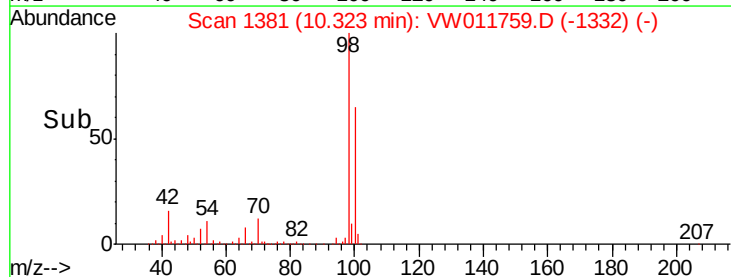
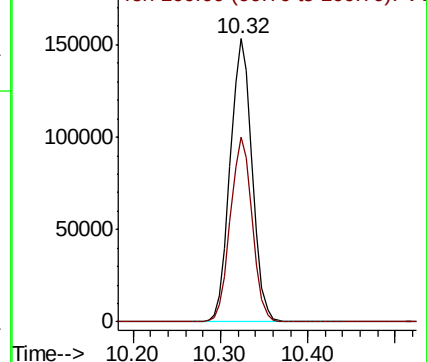
Tgt Ion:	98	Resp:	266515
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

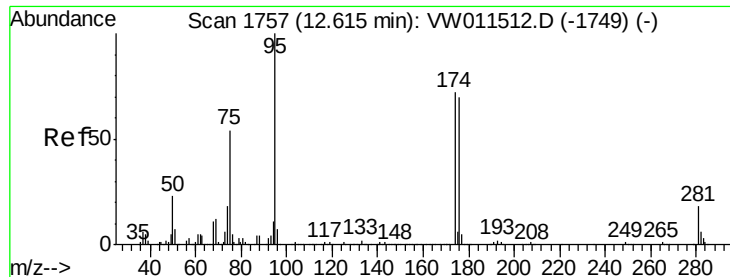


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

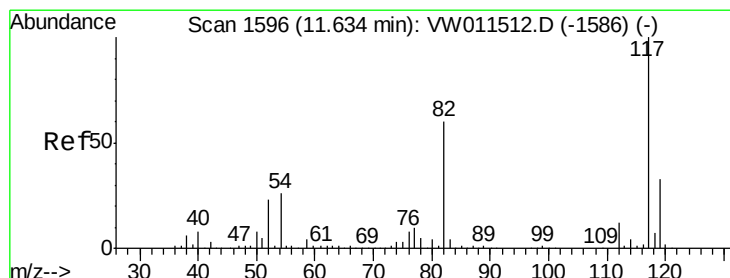
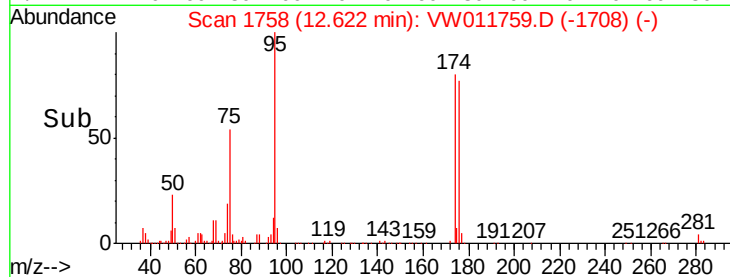
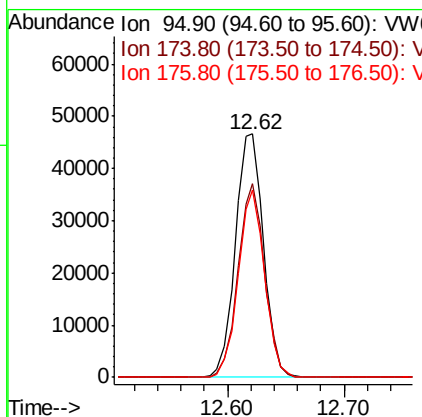
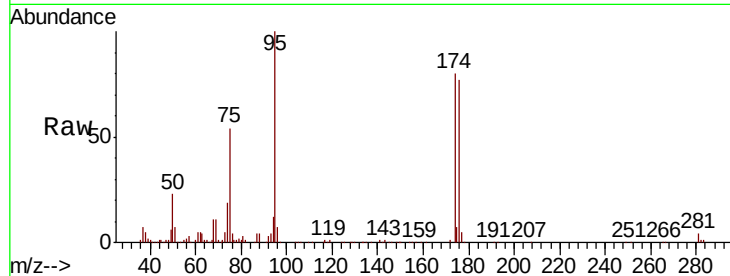




#62
4-Bromofluorobenzene
Concen: 43.811 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011759.D
Acq: 07 Aug 2019 18:39

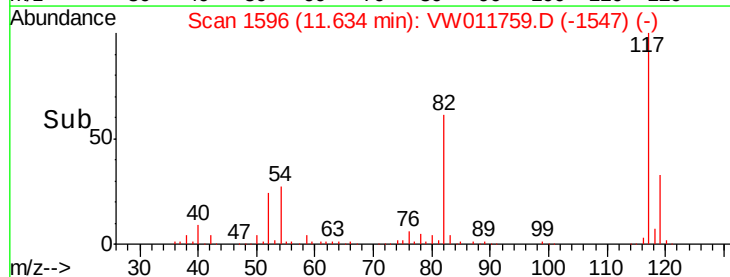
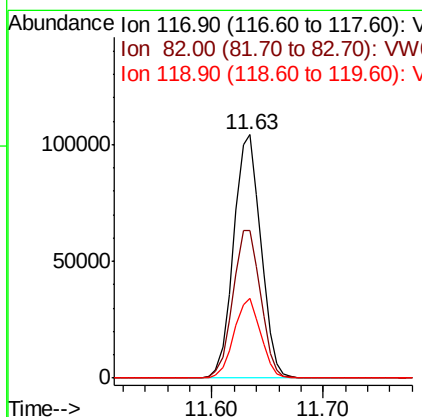
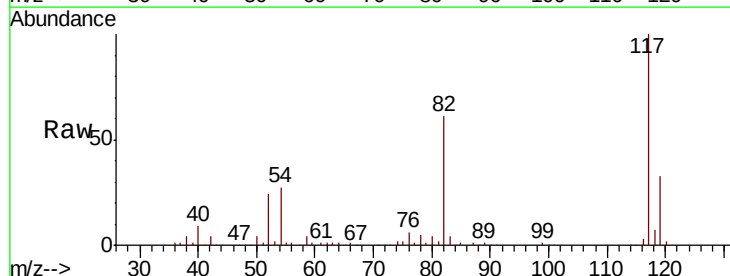
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-A

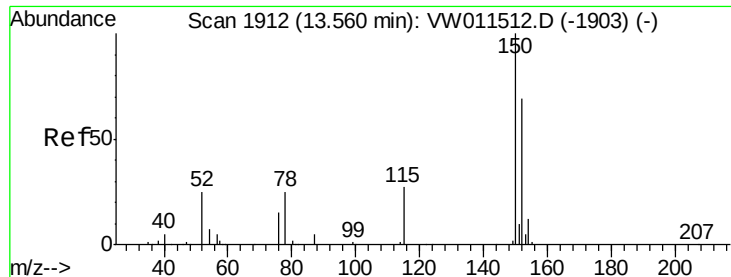
Tgt Ion: 95 Resp: 78140
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.2 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011759.D
Acq: 07 Aug 2019 18:39

Tgt Ion: 117 Resp: 176362
Ion Ratio Lower Upper
117 100
82 60.8 47.9 71.9
119 32.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-A

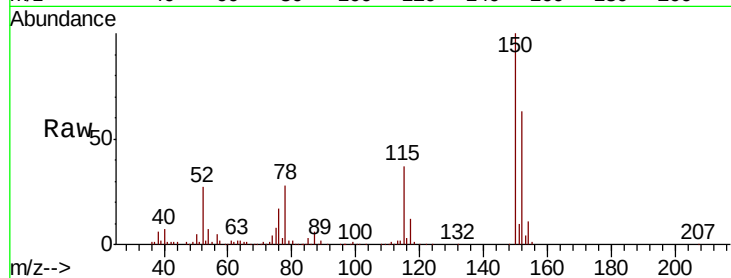
Tgt Ion:152 Resp: 64161

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

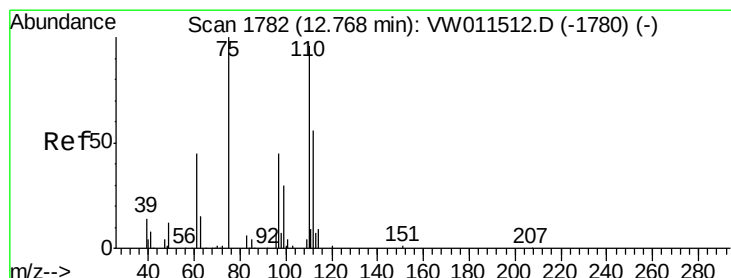
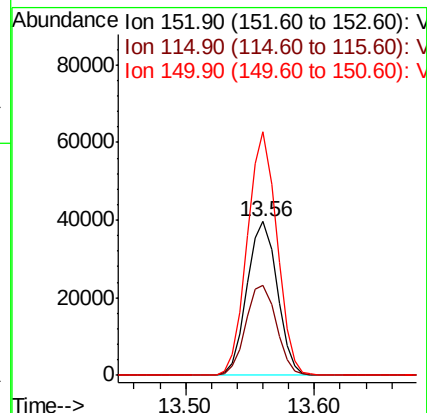
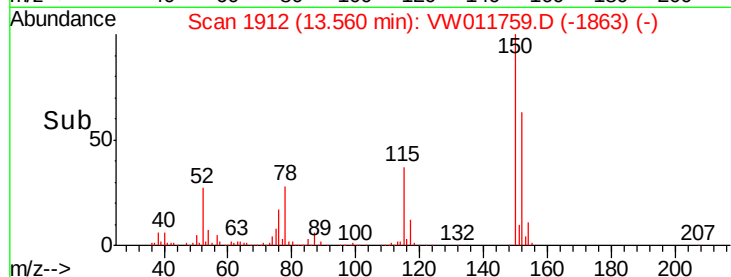
150 155.5 0.0 352.6



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: 61.089 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011759.D

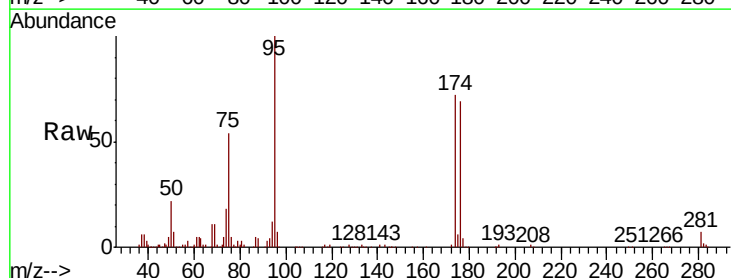
Acq: 07 Aug 2019 18:39

Tgt Ion: 75 Resp: 41473

Ion Ratio Lower Upper

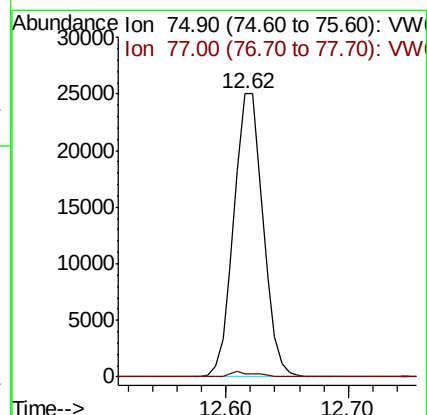
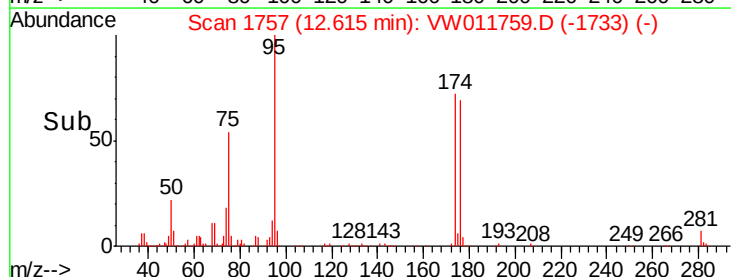
75 100

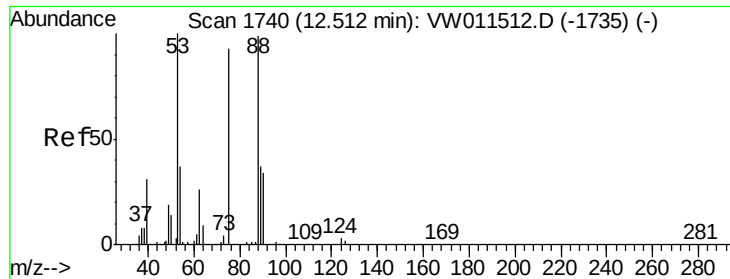
77 1.6 0.0 0.0#



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: 140.788 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-A

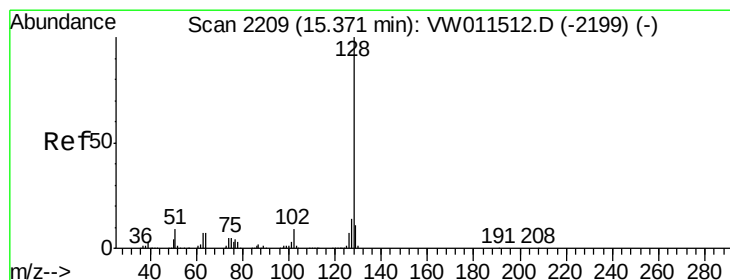
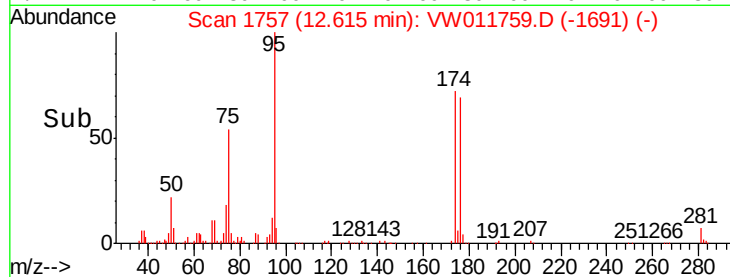
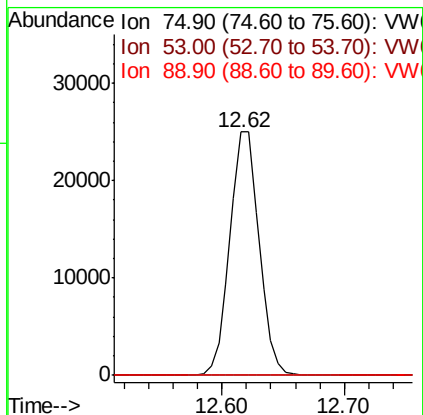
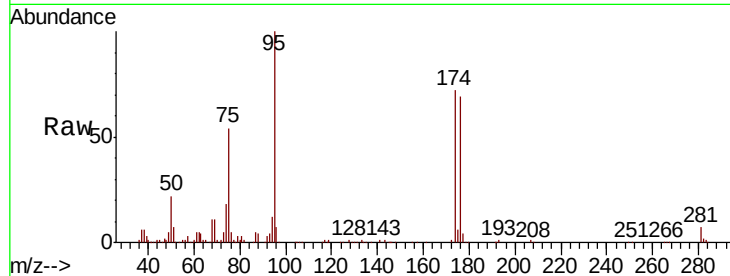
Tgt Ion: 75 Resp: 41473

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.205 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011759.D

Acq: 07 Aug 2019 18:39

Tgt Ion: 128 Resp: 367

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

