

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011692.D
 Acq On : 04 Aug 2019 04:42
 Operator : SY/VA
 Sample : K4152-20
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E4-(30)

Quant Time: Aug 05 01:07:21 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	221847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93115	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	152356	59.81	ug/l	0.00
Spiked Amount			Recovery	=	119.62%	
35) Dibromofluoromethane	7.88	113	118683	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
50) Toluene-d8	10.32	98	459601	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.62	95	129056	42.16	ug/l	0.00
Spiked Amount			Recovery	=	84.32%	

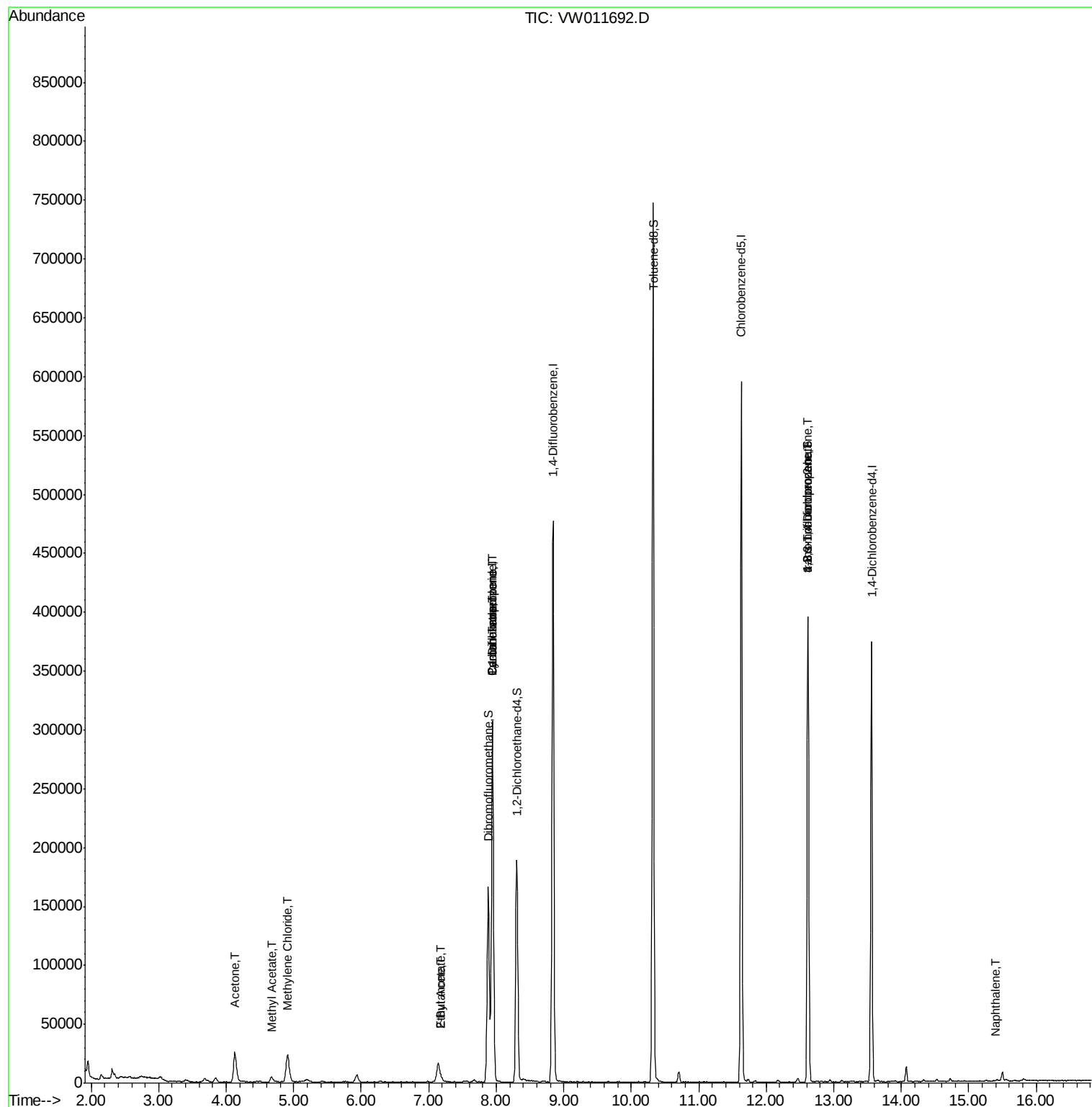
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	2787	Below Cal		96
16) Acetone	4.14	43	51976	64.142	ug/l	94
18) Methyl Acetate	4.67	43	9518	5.229	ug/l	93
20) Methylene Chloride	4.92	84	17358	6.211	ug/l	91
25) 2-Butanone	7.18	43	7955	7.502	ug/l	93
31) Cyclohexane	7.94	56	5640	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19282	4.961	ug/l #	52
37) Ethyl Acetate	7.18	43	7955	3.557	ug/l #	74
38) Carbon Tetrachloride	7.94	117	22458	6.749	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	69233	70.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69233	161.945	ug/l #	6
95) Naphthalene	15.39	128	101	2.092	ug/l #	69

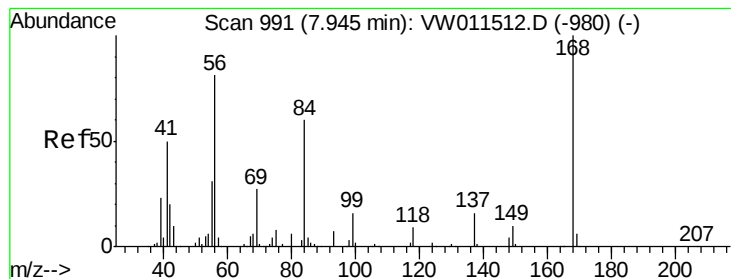
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011692.D

Acq: 04 Aug 2019 04:42

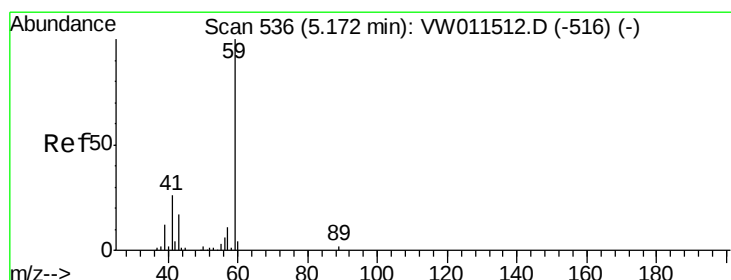
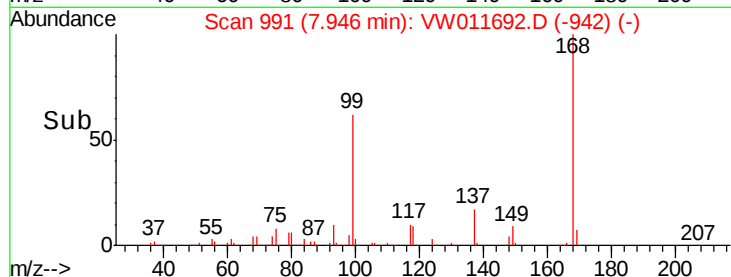
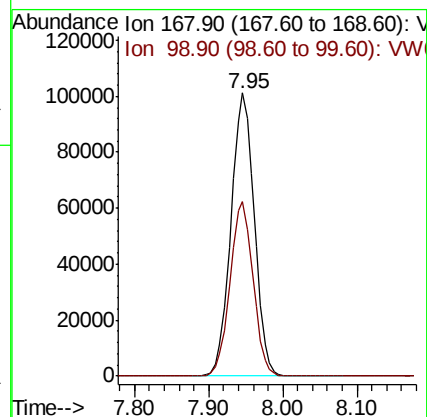
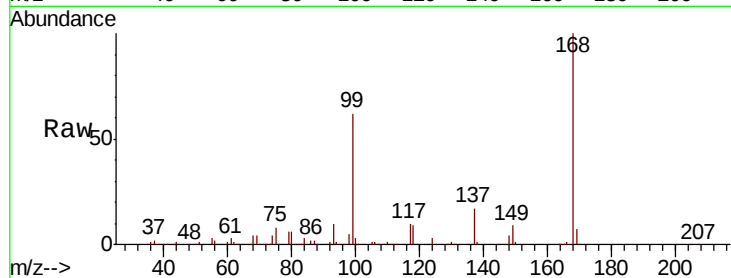
Instrument :
MSVOA_W
ClientSampleId :
2S-E4-(30)

Tot Ion:168 Resp: 221847

Ion Ratio Lower Upper

168 100

99 61.7 48.2 72.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011692.D

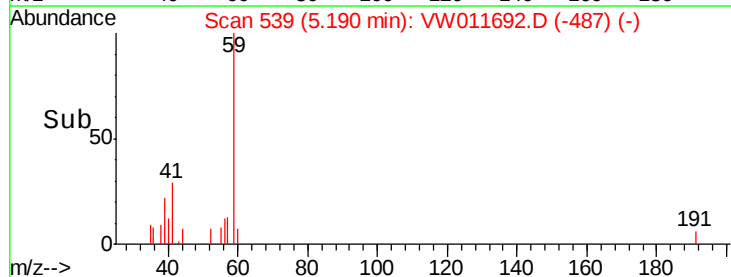
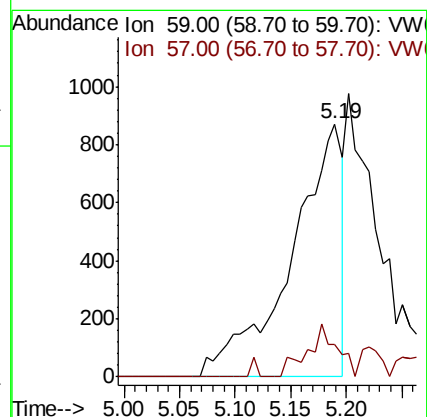
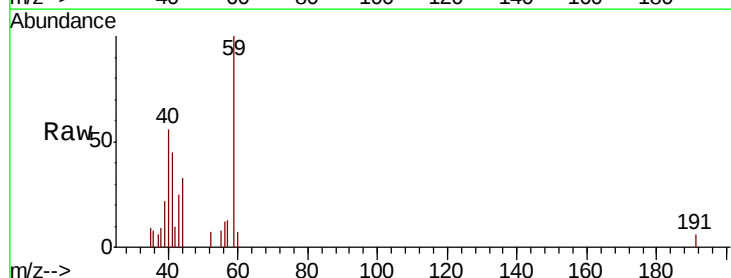
Acq: 04 Aug 2019 04:42

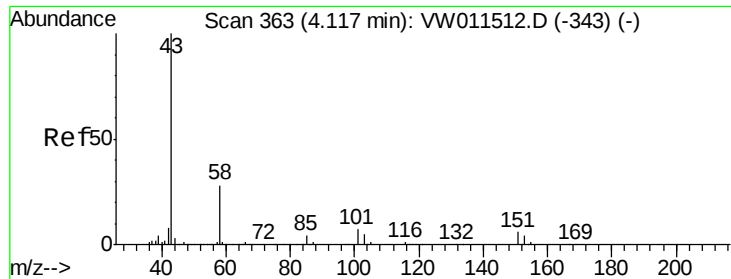
Tgt Ion: 59 Resp: 2787

Ion Ratio Lower Upper

59 100

57 12.1 8.5 12.7





#16

Acetone

Concen: 64.142 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011692.D

Acq: 04 Aug 2019 04:42

Instrument :

MSVOA_W

ClientSampleId :

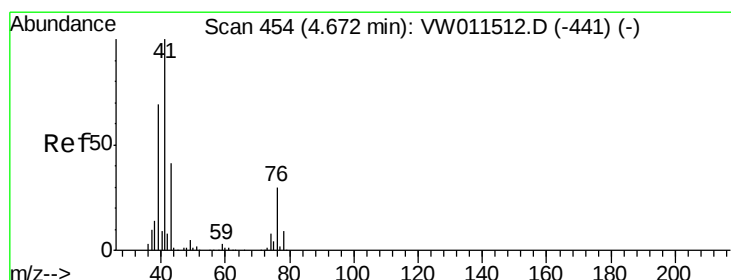
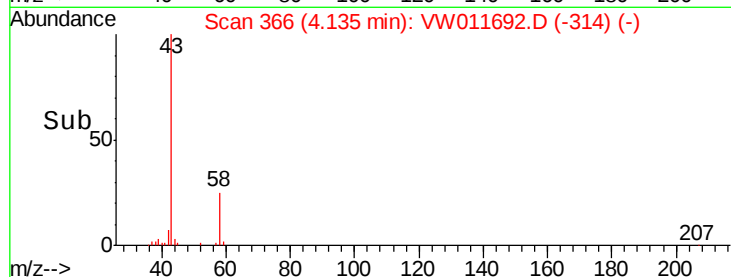
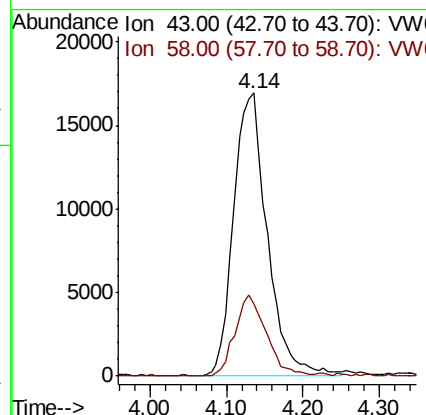
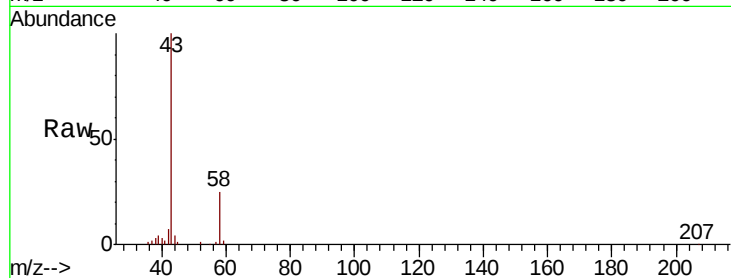
2S-E4-(30)

Tot Ion: 43 Resp: 51976

Ion Ratio Lower Upper

43 100

58 25.0 22.3 33.5



#18

Methyl Acetate

Concen: 5.229 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011692.D

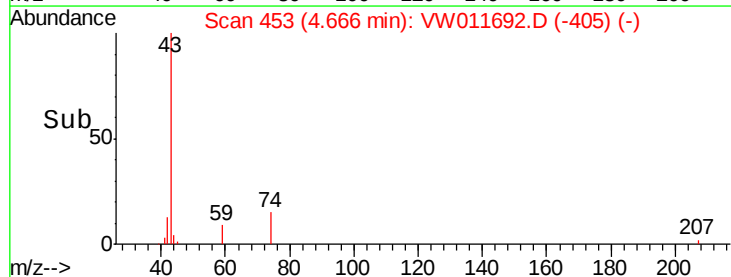
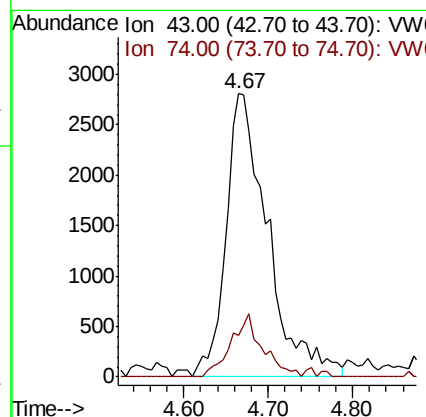
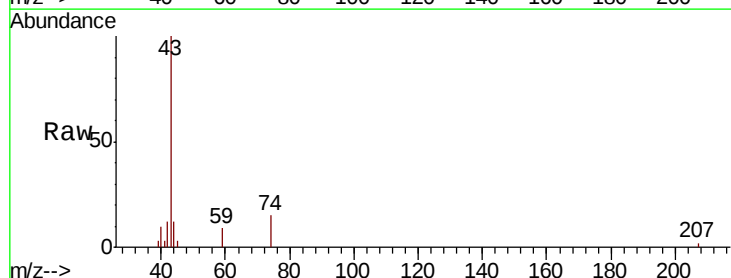
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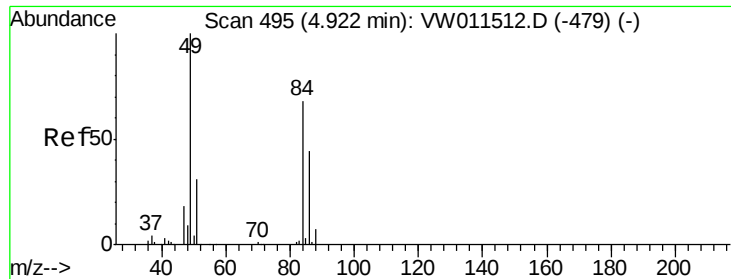
Tgt Ion: 43 Resp: 9518

Ion Ratio Lower Upper

43 100

74 16.8 15.9 23.9

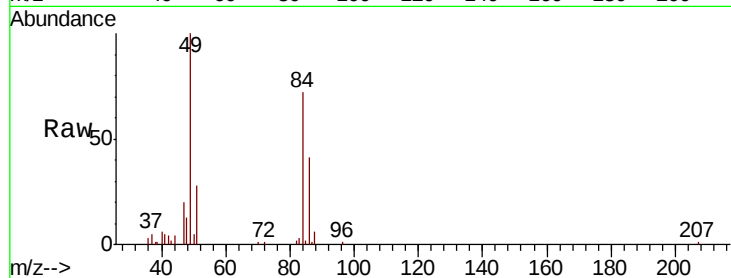




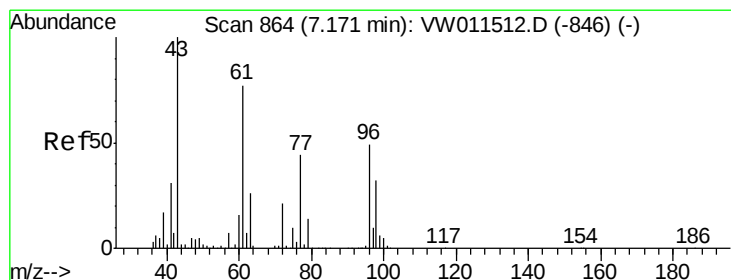
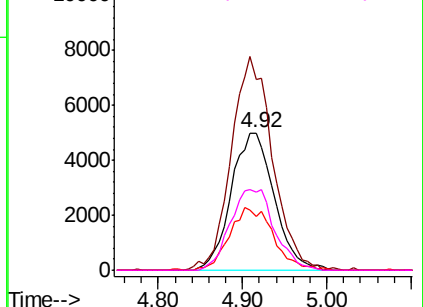
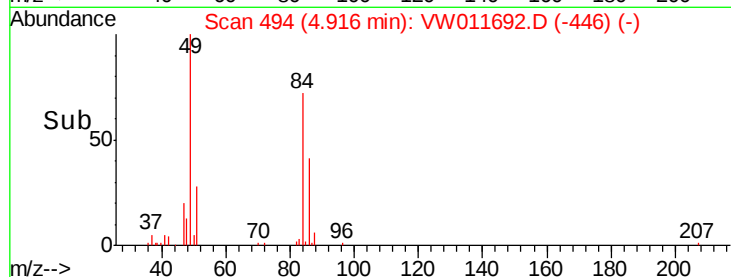
#20
Methvlene Chloride
Concen: 6.211 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

Instrument :
MSVOA_W
ClientSampleId :
2S-E4-(30)

Tot Ion: 84 Resp: 17358
Ion Ratio Lower Upper
84 100
49 137.7 117.8 176.6
51 39.5 37.0 55.4
86 57.0 51.8 77.8

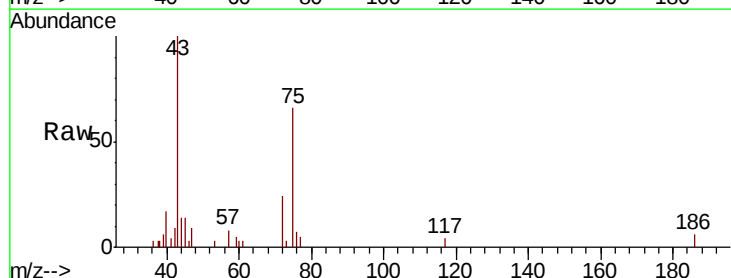


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

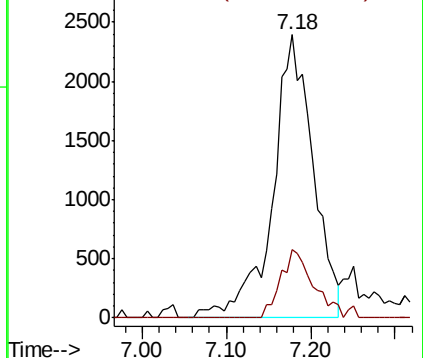
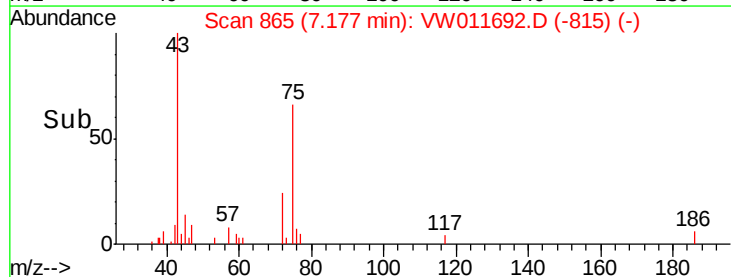


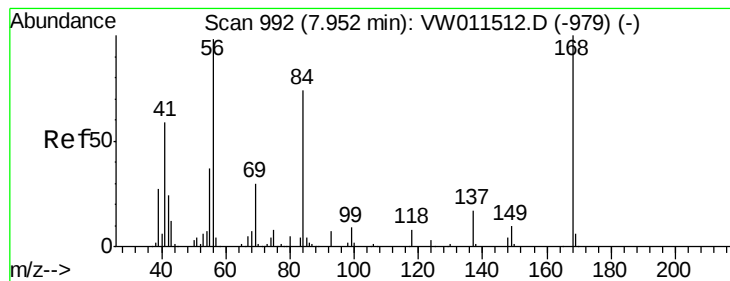
#25
2-Butanone
Concen: 7.502 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

Tgt Ion: 43 Resp: 7955
Ion Ratio Lower Upper
43 100
72 24.1 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011692.D

Acq: 04 Aug 2019 04:42

Instrument :

MSVOA_W

ClientSampled :

2S-E4-(30)

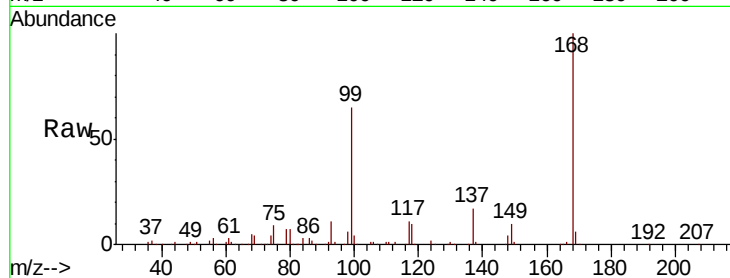
Tot Ion: 56 Resp: 5640

Ion Ratio Lower Upper

56 100

69 158.8 24.3 36.5#

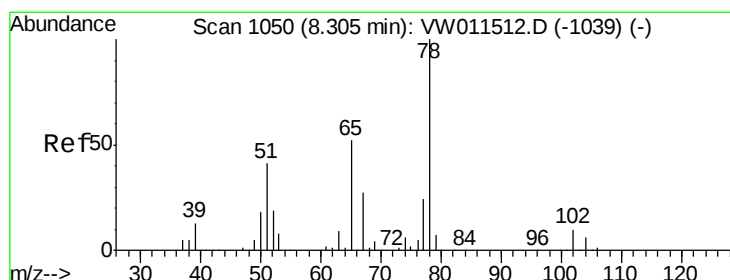
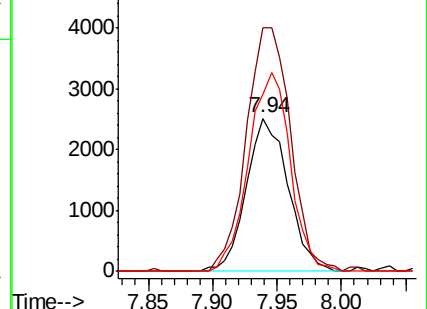
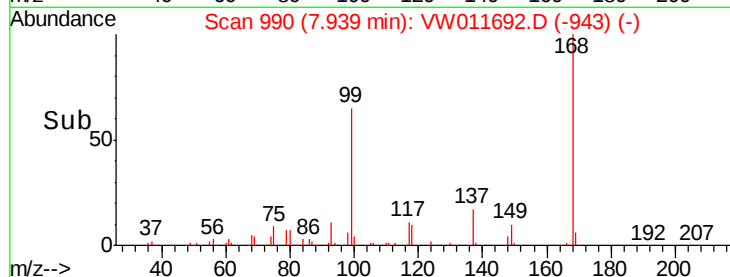
84 115.8 60.4 90.6#



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: 59.808 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011692.D

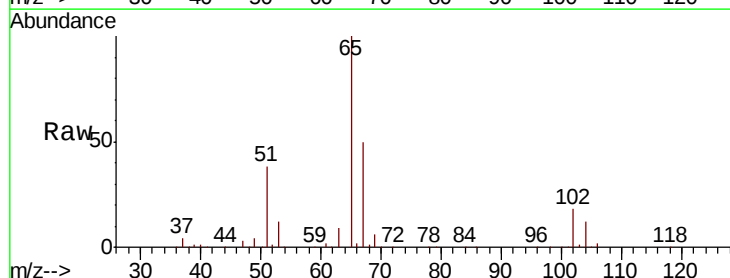
Acq: 04 Aug 2019 04:42

Tgt Ion: 65 Resp: 152356

Ion Ratio Lower Upper

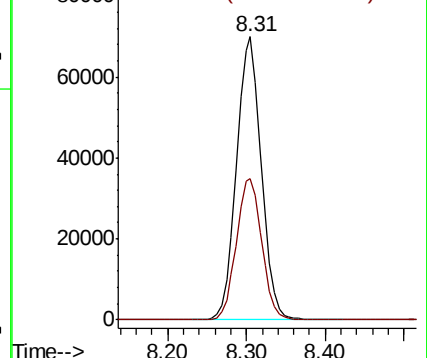
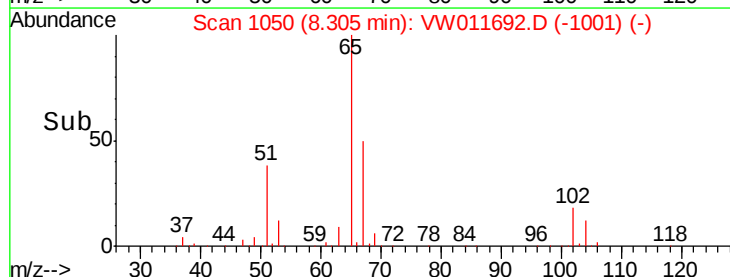
65 100

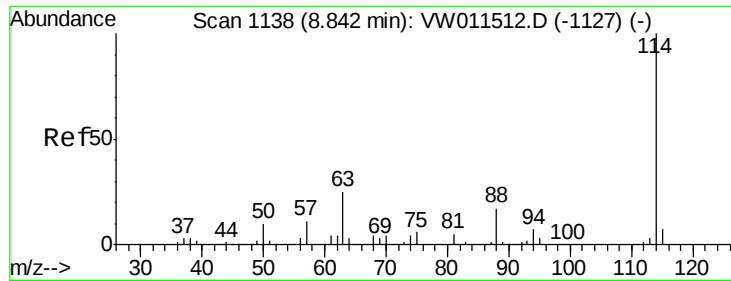
67 51.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

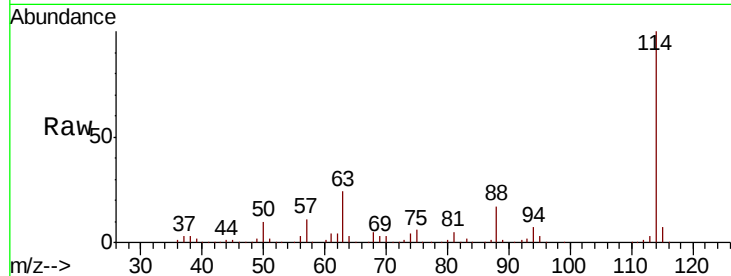




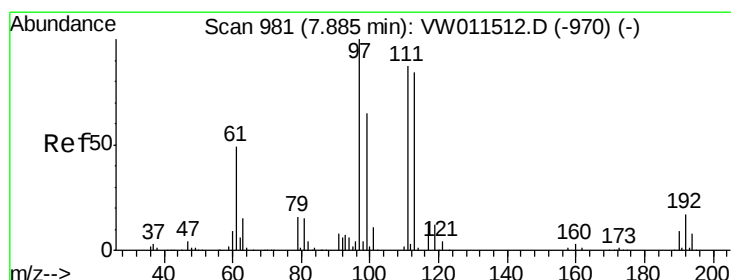
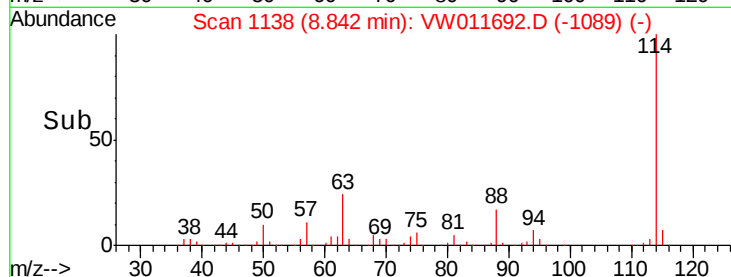
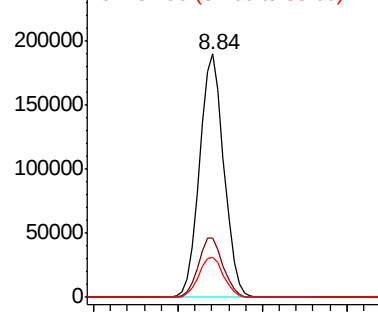
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

Instrument :
MSVOA_W
ClientSampleId :
2S-E4-(30)

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	16.6	0.0	33.8

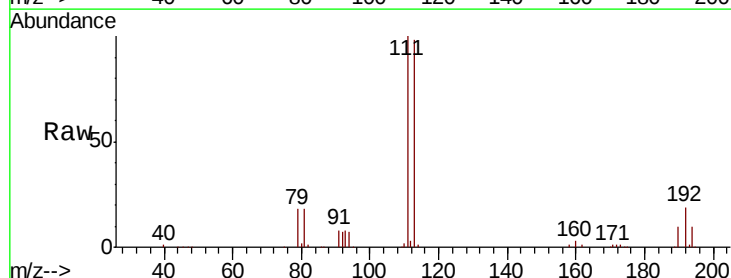


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

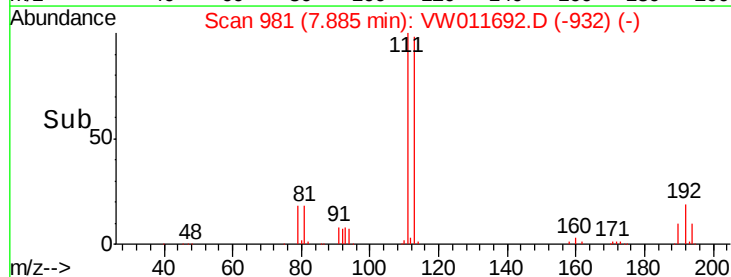
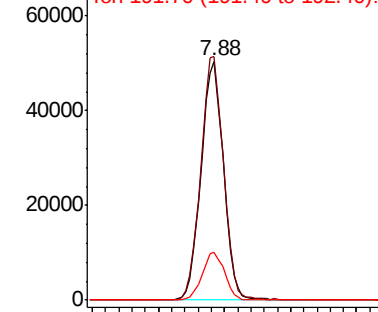


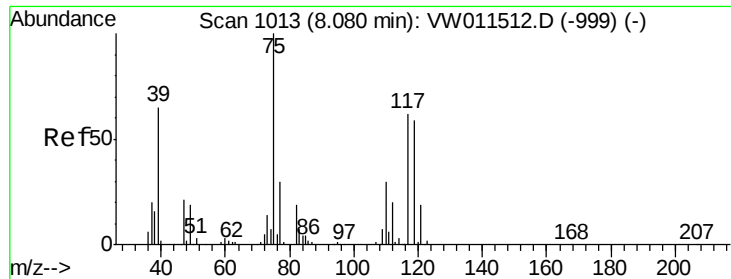
#35
Dibromofluoromethane
Concen: 56.592 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	20.0	16.1	24.1



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

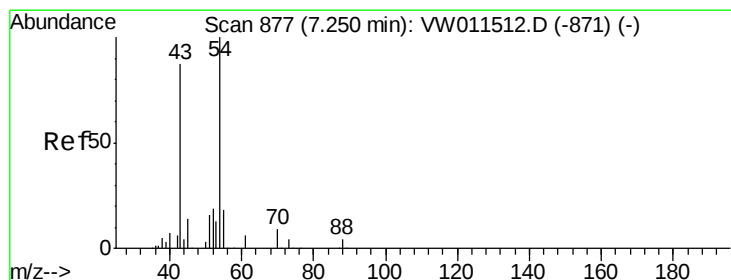
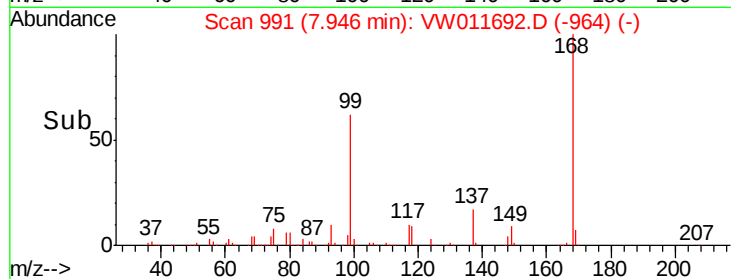
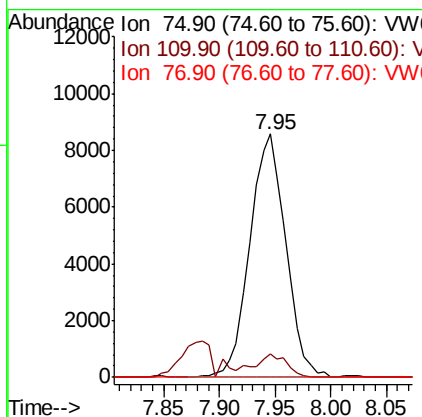
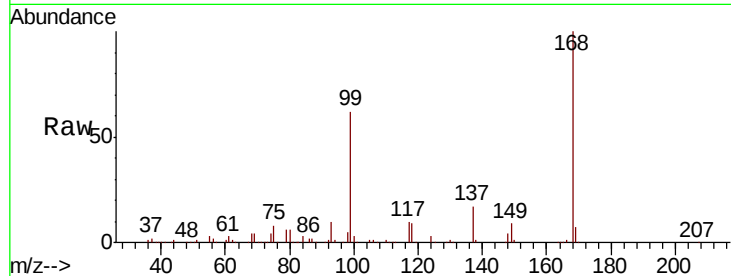




#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011692.D
 Acq: 04 Aug 2019 04:42

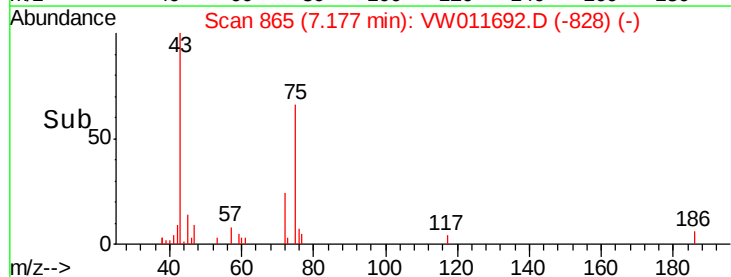
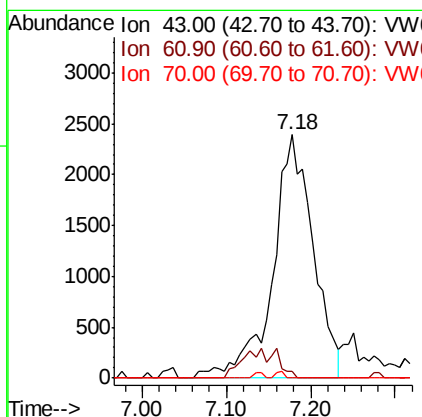
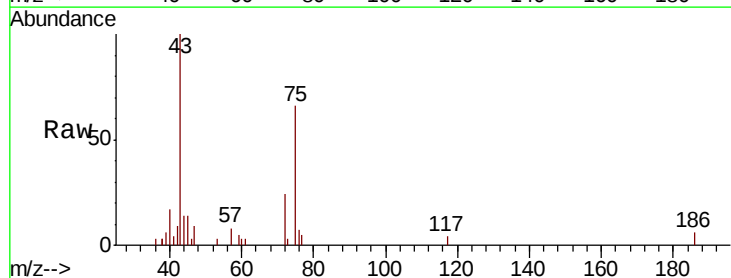
Instrument :
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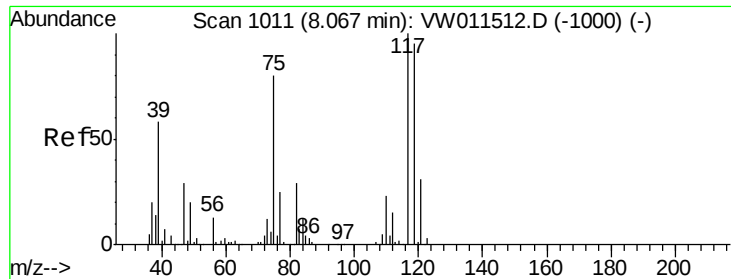
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 3.557 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011692.D
 Acq: 04 Aug 2019 04:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.8	13.2#
70	0.5	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011692.D

Acq: 04 Aug 2019 04:42

Instrument :

MSVOA_W

ClientSampleId :

2S-E4-(30)

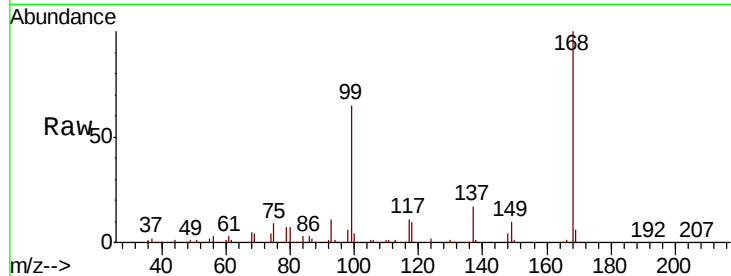
Tot Ion:117 Resp: 22458

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

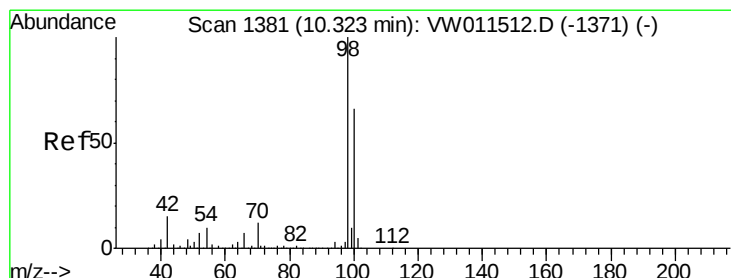
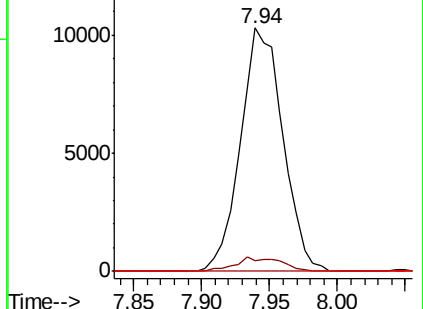
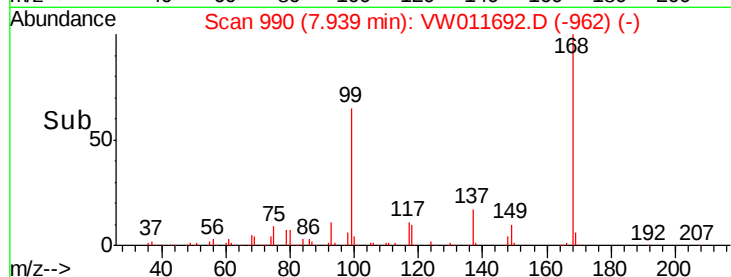
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 53.526 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011692.D

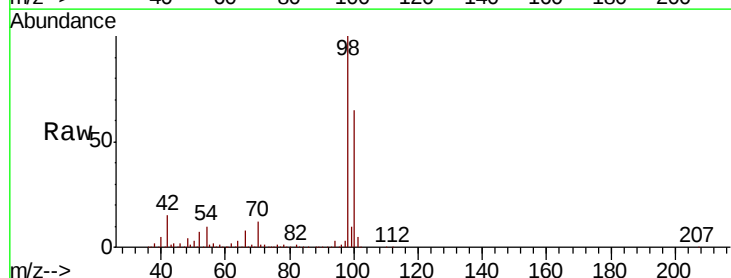
Acq: 04 Aug 2019 04:42

Tgt Ion: 98 Resp: 459601

Ion Ratio Lower Upper

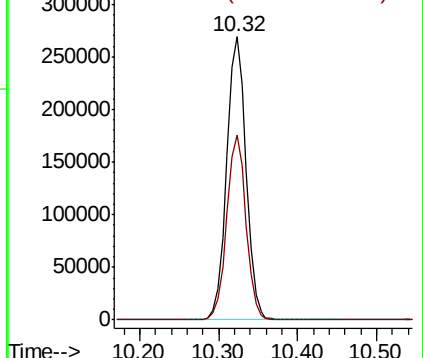
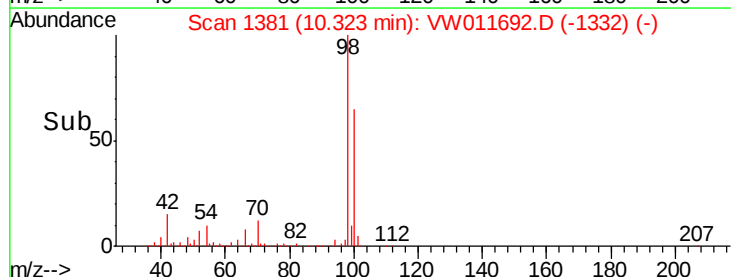
98 100

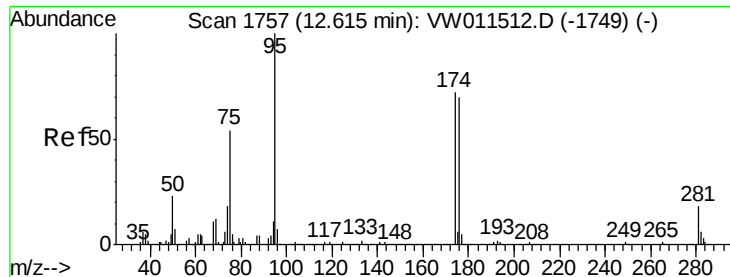
100 64.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

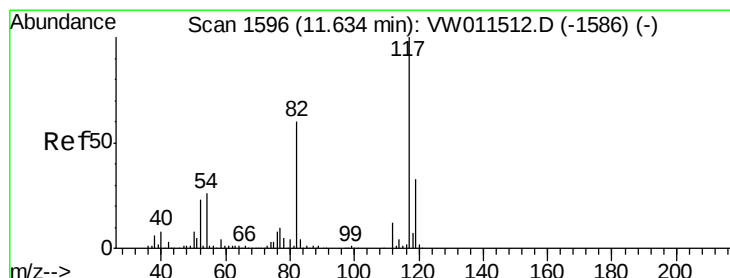
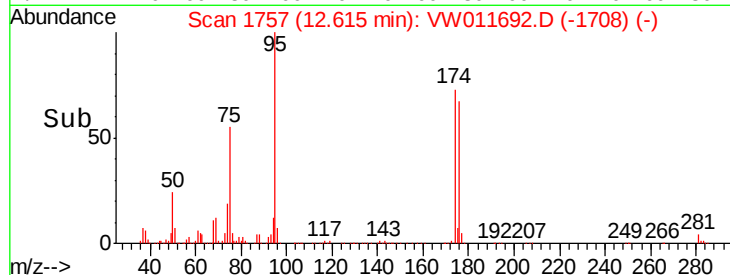
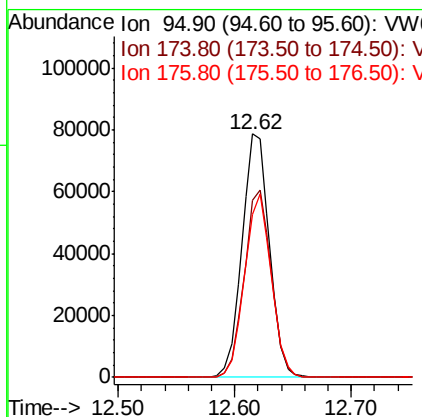
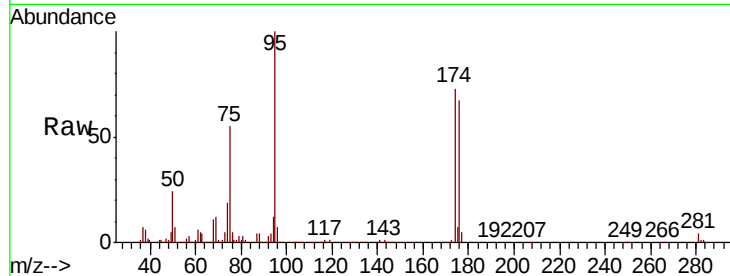




#62
4-Bromofluorobenzene
Concen: 42.158 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

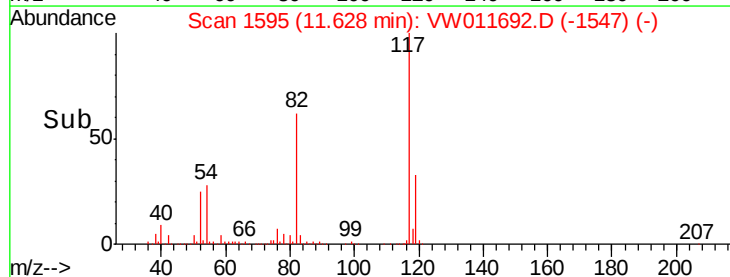
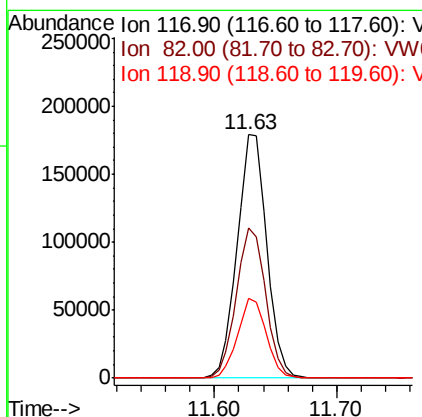
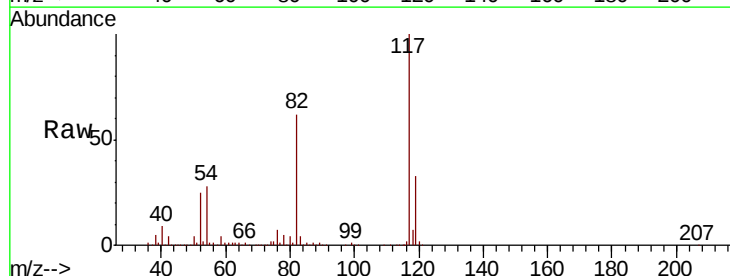
Instrument :
MSVOA_W
ClientSampled :
2S-E4-(30)

Tot Ion: 95 Resp: 129056
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.2
176 73.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011692.D
Acq: 04 Aug 2019 04:42

Tgt Ion: 117 Resp: 300604
Ion Ratio Lower Upper
117 100
82 61.6 47.9 71.9
119 32.6 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: VW011692.D

Acq: 04 Aug 2019 04:42

Instrument :

MSVOA_W

ClientSampleId :

2S-E4-(30)

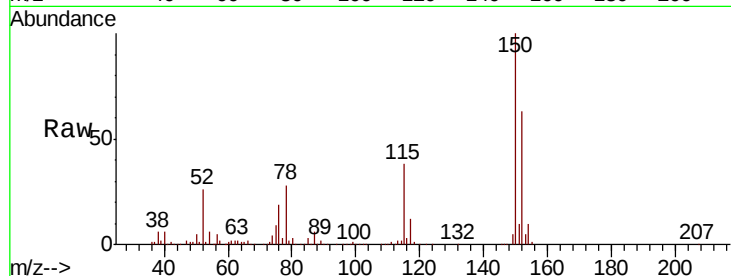
Tot Ion:152 Resp: 93115

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

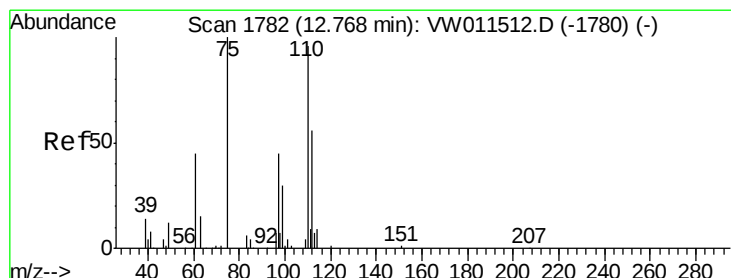
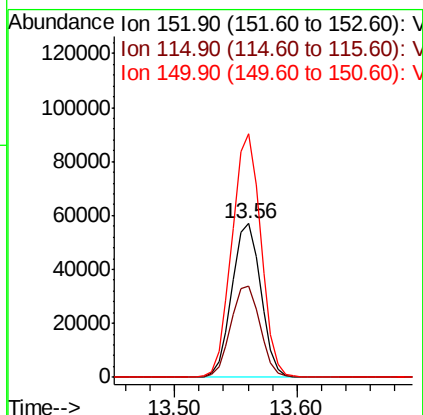
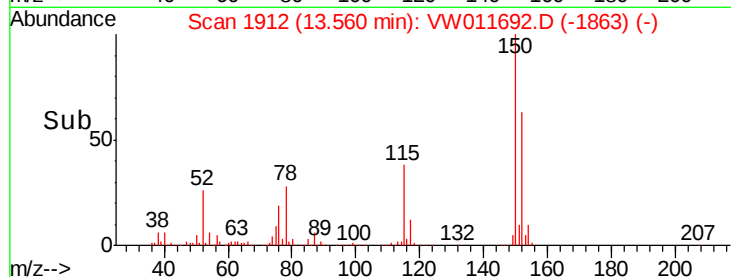
150 157.9 0.0 352.6



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: 70.268 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011692.D

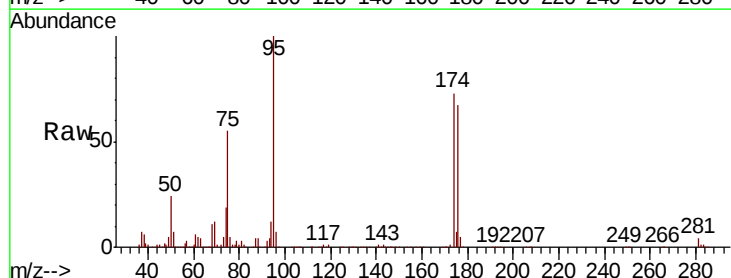
Acq: 04 Aug 2019 04:42

Tgt Ion: 75 Resp: 69233

Ion Ratio Lower Upper

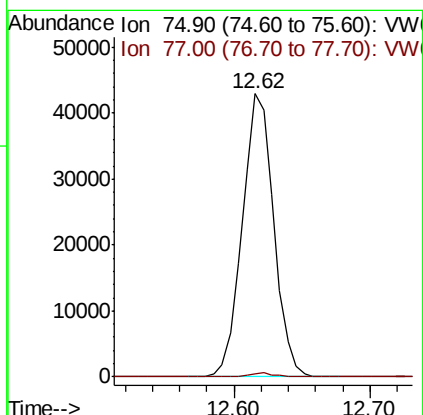
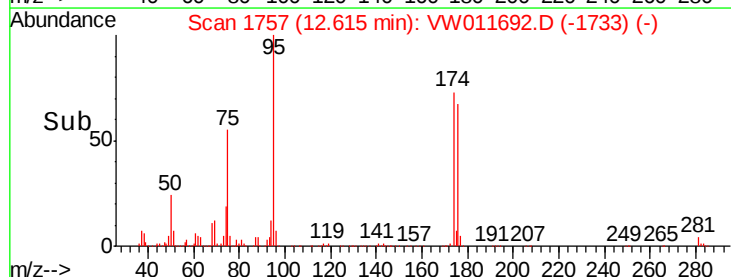
75 100

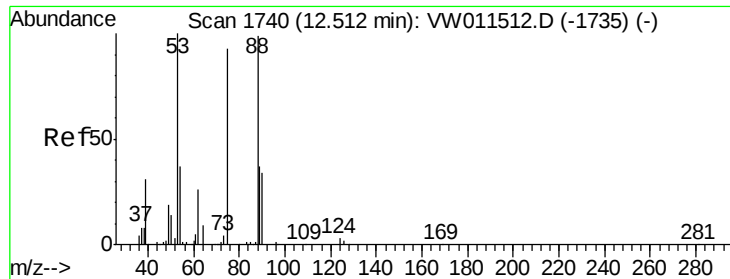
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

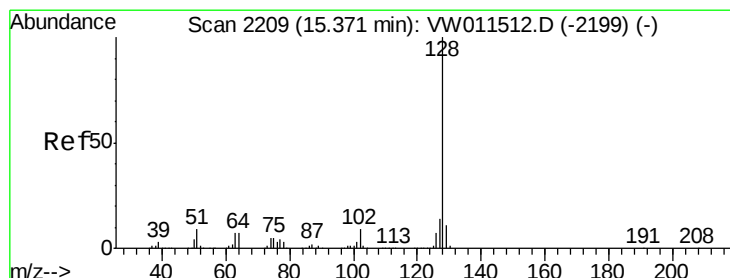
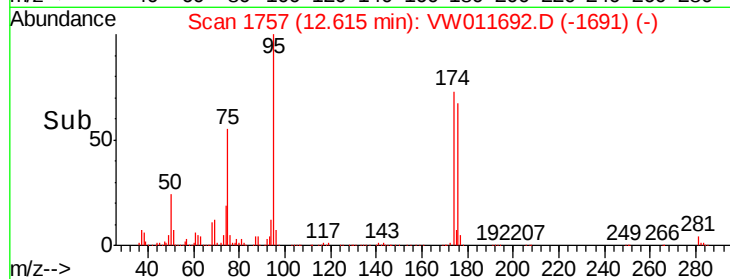
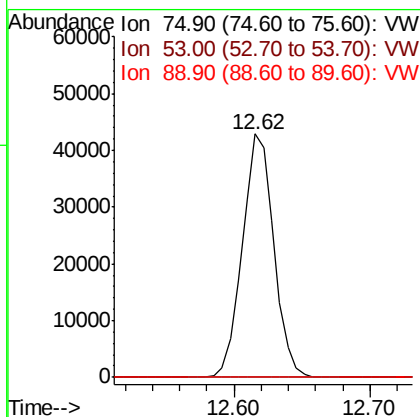
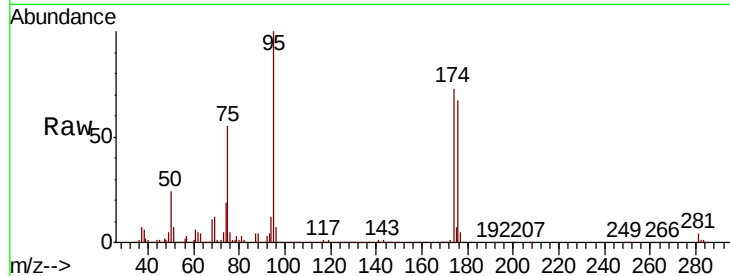




#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.945 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011692.D
 Acq: 04 Aug 2019 04:42

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E4-(30)

Tot Ion	75	Resp	69233
Ion Ratio	Lower	Upper	
75	100		
53	0.1	88.0	132.0#
89	0.0	35.3	52.9#



#95
 Naphthalene
 Concen: 2.092 ug/l
 RT: 15.39 min Scan# 2212
 Delta R.T. 0.02 min
 Lab File: VW011692.D
 Acq: 04 Aug 2019 04:42

Tgt Ion	128	Resp	101
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

