

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011674.D
 Acq On : 03 Aug 2019 18:48
 Operator : SY/VA
 Sample : K4152-15
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E4-(0-1)

Quant Time: Aug 04 01:46:13 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

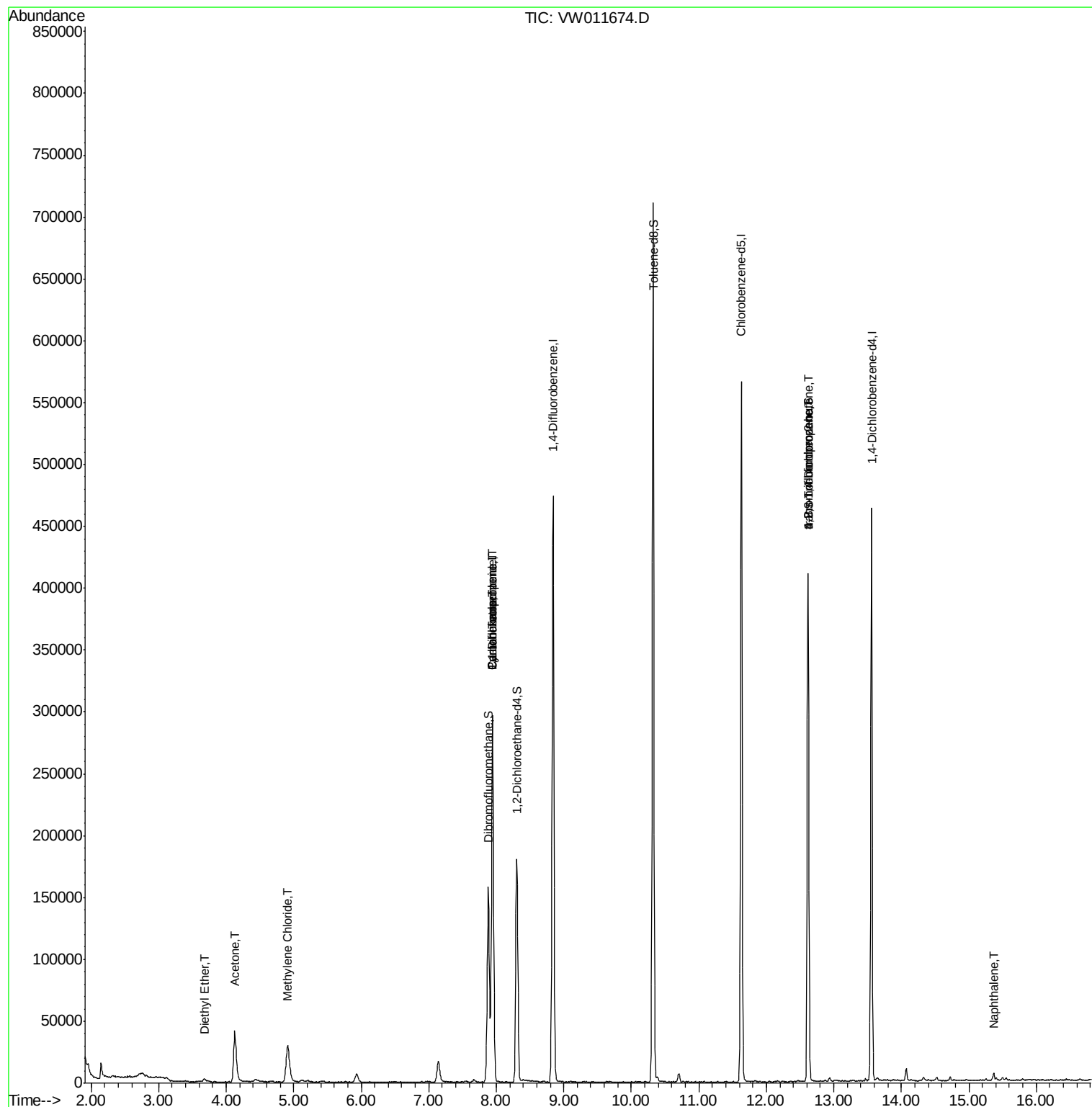
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	143303	58.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.58%	
35) Dibromofluoromethane	7.88	113	111870	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.60%	
50) Toluene-d8	10.32	98	446690	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	135189	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
Target Compounds						
8) Diethyl Ether	3.68	74	1389	1.100	ug/l	75
11) Tert butyl alcohol	5.17	59	111	Below Cal	#	18
16) Acetone	4.13	43	79870	102.132	ug/l	95
20) Methylene Chloride	4.91	84	22980	8.520	ug/l	96
31) Cyclohexane	7.95	56	5384	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18831	4.977	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22058	6.811	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	72132	60.904	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72132	140.362	ug/l #	6
95) Naphthalene	15.37	128	4302	2.999	ug/l #	92

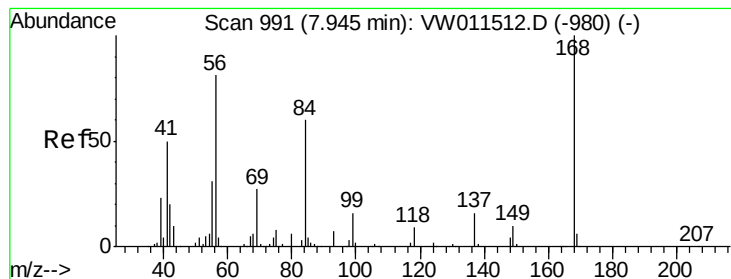
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011674.D

Acq: 03 Aug 2019 18:48

Instrument :

MSVOA_W

ClientSampleId :

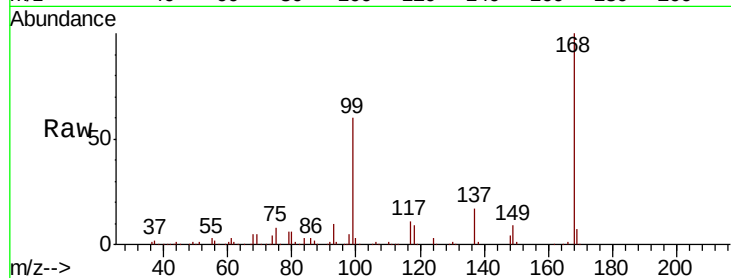
2S-E4(0-1)

Tgt Ion:168 Resp: 214099

Ion Ratio Lower Upper

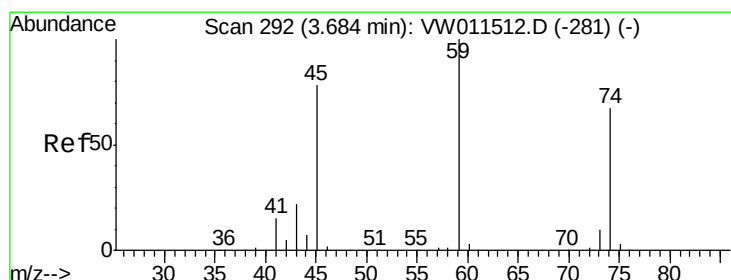
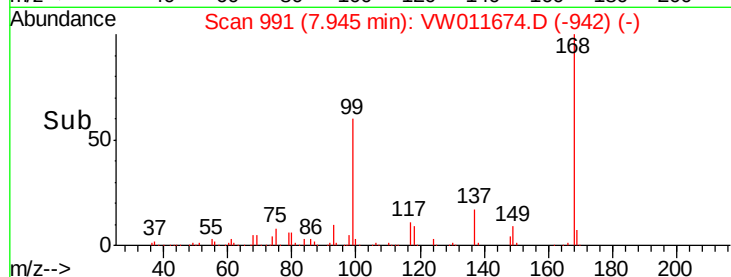
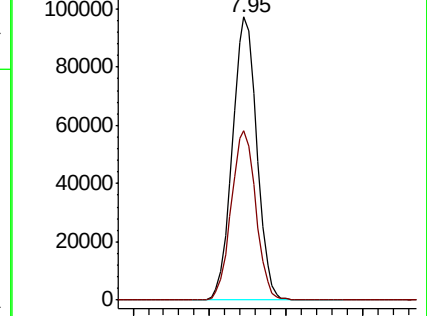
168 100

99 59.8 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: 1.100 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011674.D

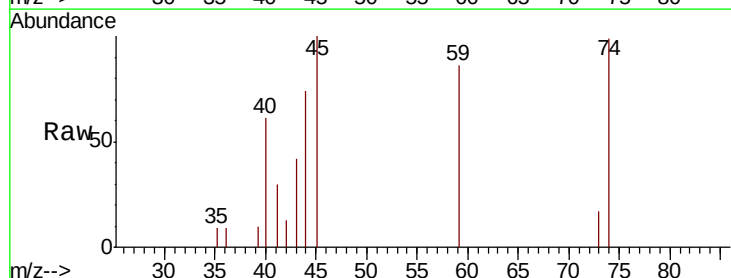
Acq: 03 Aug 2019 18:48

Tgt Ion: 74 Resp: 1389

Ion Ratio Lower Upper

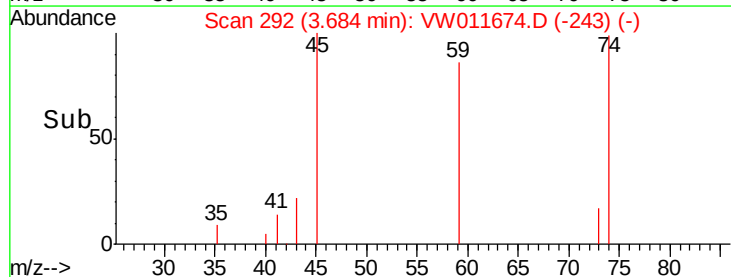
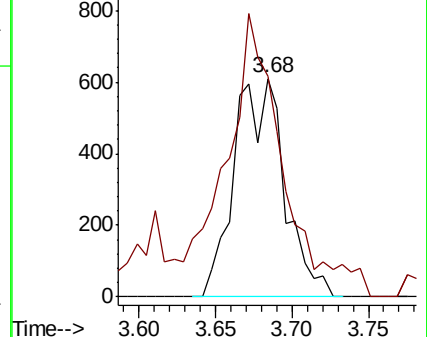
74 100

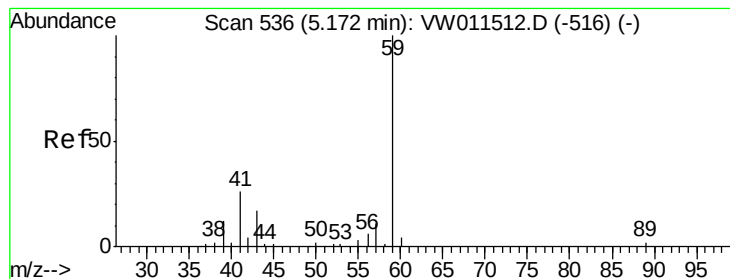
45 146.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



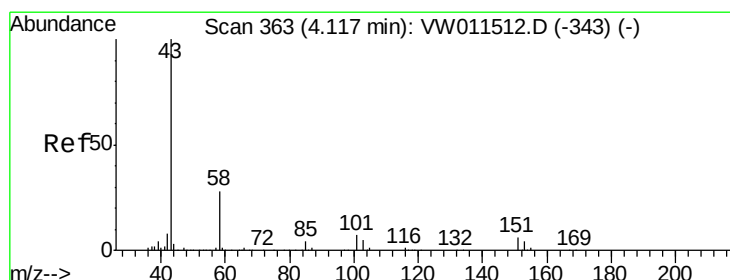
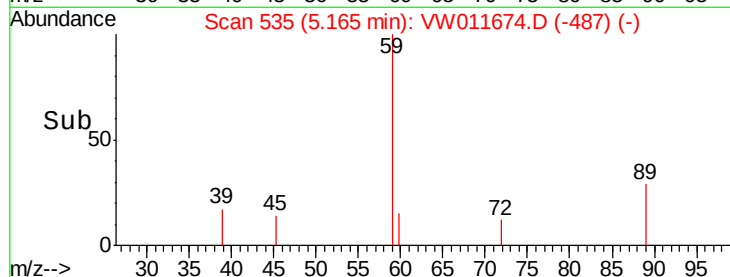
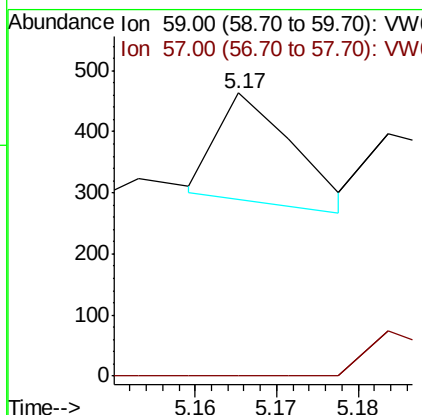
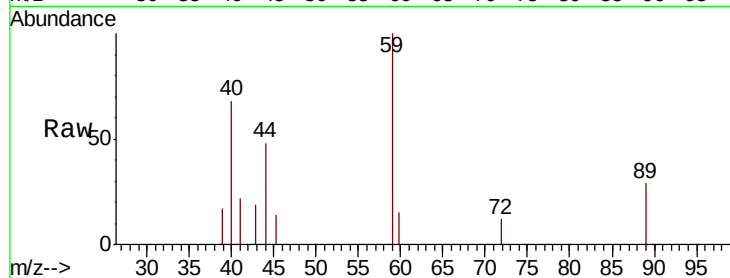


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011674.D
 Acq: 03 Aug 2019 18:48

Instrument :
 MSVOA_W
 ClientSampled :
 2S-E4-(0-1)

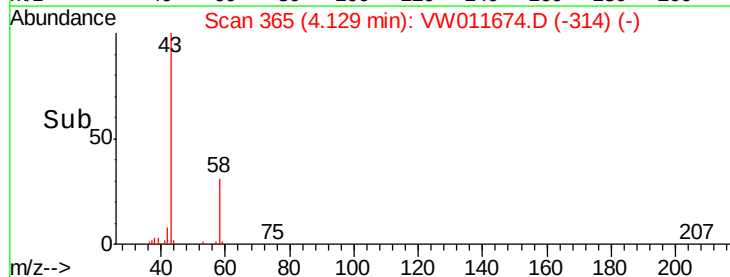
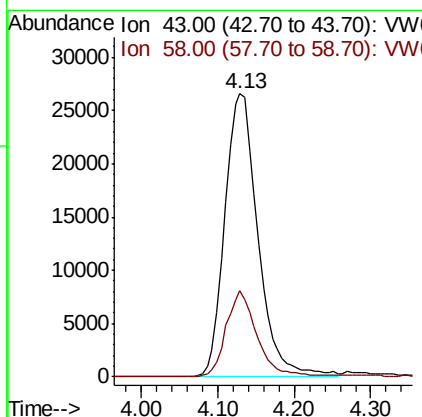
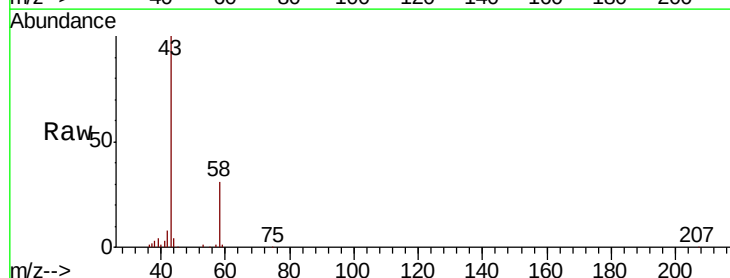
Tgt Ion: 59 Resp: 111
 Ion Ratio Lower Upper
 59 100
 57 41.4 8.5 12.7#

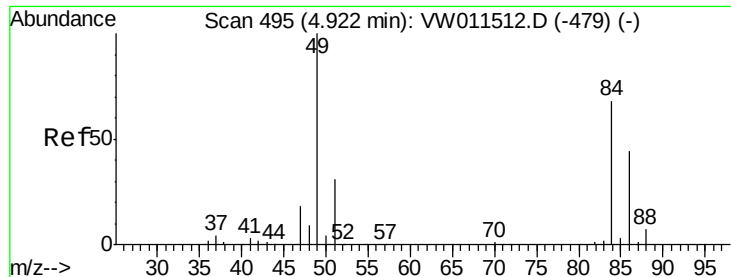


#16

Acetone
 Concen: 102.132 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011674.D
 Acq: 03 Aug 2019 18:48

Tgt Ion: 43 Resp: 79870
 Ion Ratio Lower Upper
 43 100
 58 30.6 22.3 33.5

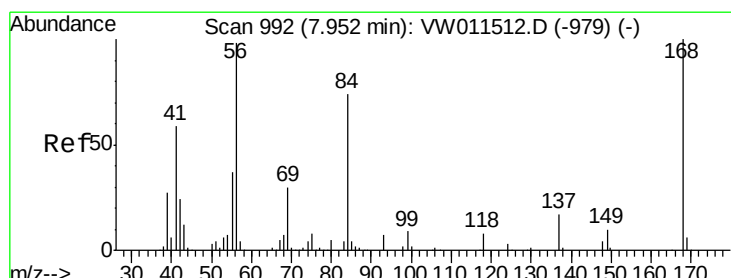
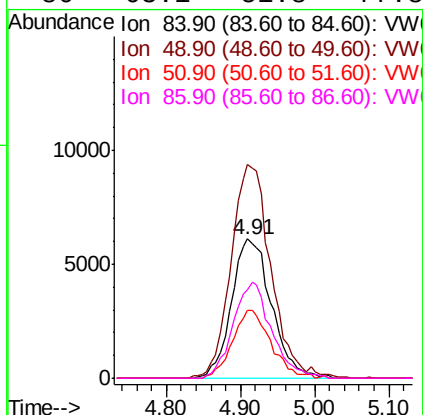
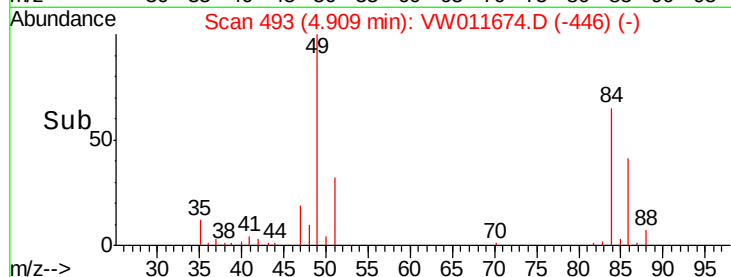
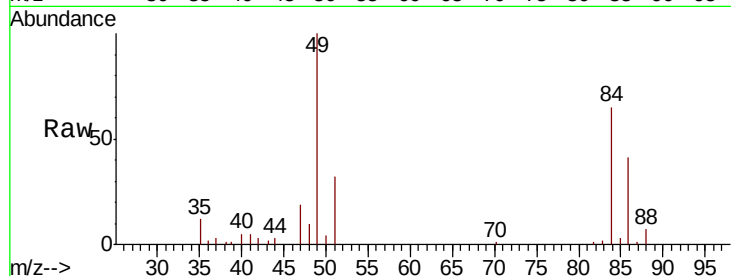




#20
Methylene Chloride
Concen: 8.520 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

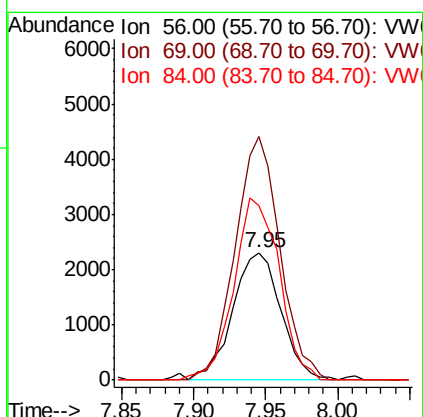
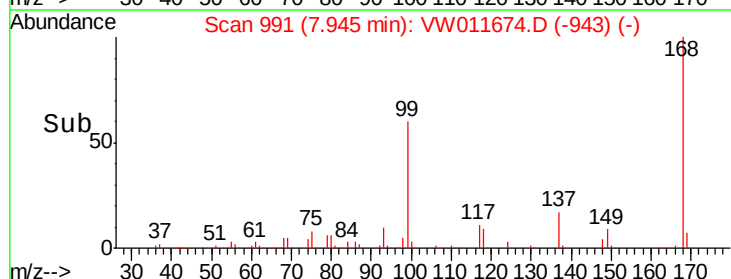
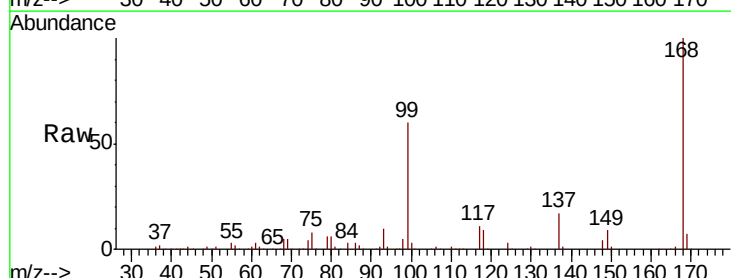
Instrument :
MSVOA_W
ClientSampleId :
2S-E4(0-1)

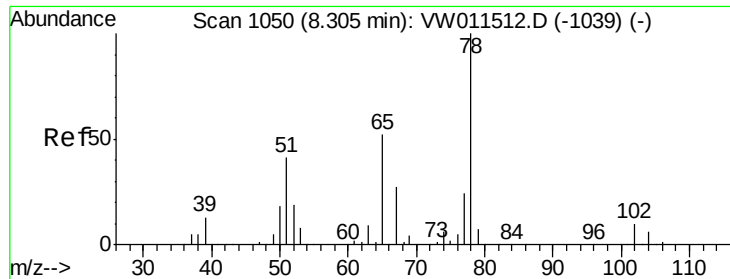
Tgt Ion:	84	Resp:	22980
Ion	Ratio	Lower	Upper
84	100		
49	153.3	117.8	176.6
51	48.5	37.0	55.4
86	63.1	51.8	77.8



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Tgt Ion:	56	Resp:	5384
Ion	Ratio	Lower	Upper
56	100		
69	190.7	24.3	36.5#
84	137.0	60.4	90.6#

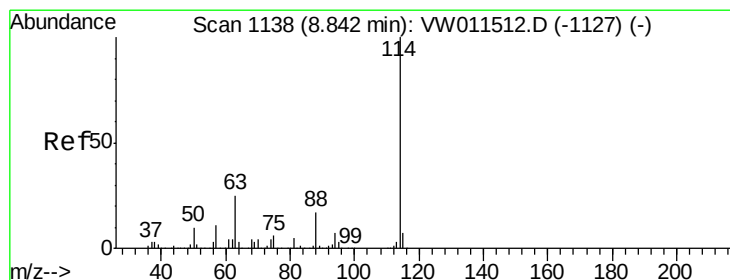
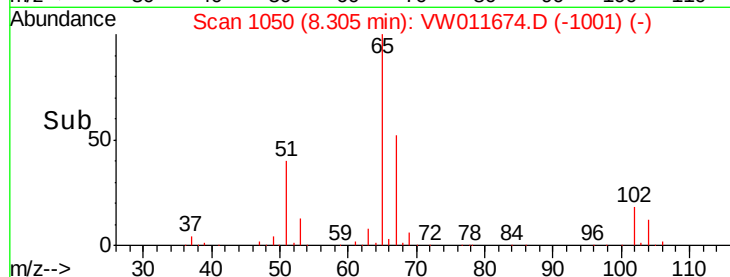
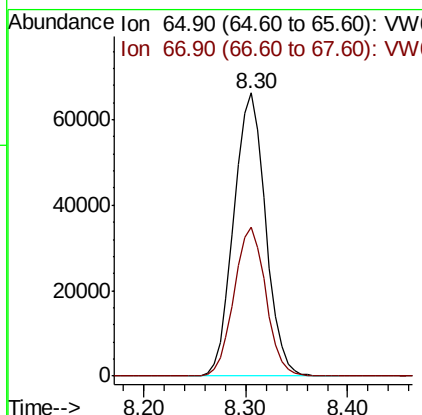
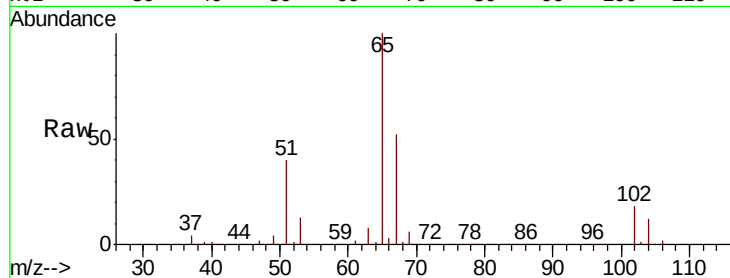




#33
 1,2-Dichloroethane-d4
 Concen: 58.290 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011674.D
 Acq: 03 Aug 2019 18:48

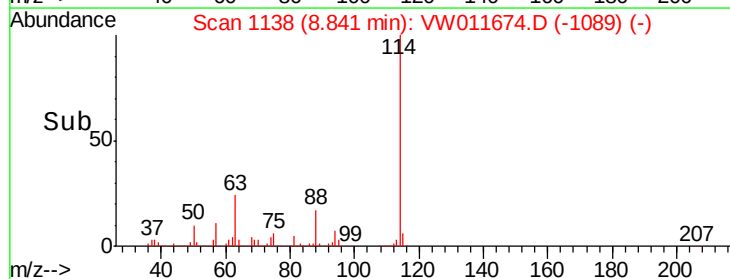
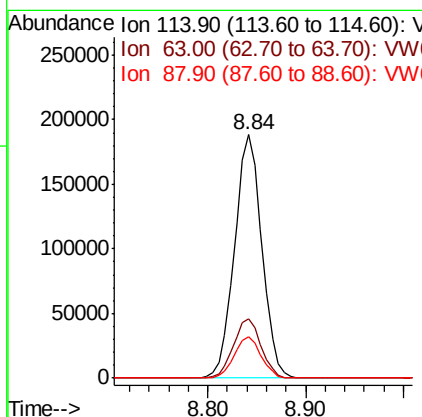
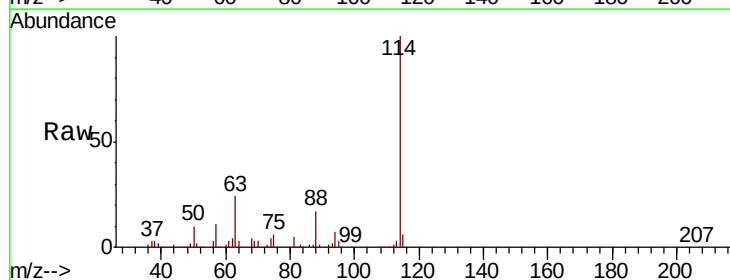
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E4-(0-1)

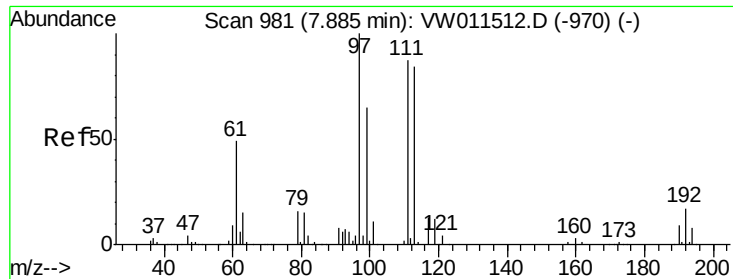
Tgt Ion: 65 Resp: 143303
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011674.D
 Acq: 03 Aug 2019 18:48

Tgt Ion: 114 Resp: 363846
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011674.D

Acq: 03 Aug 2019 18:48

Instrument :

MSVOA_W

ClientSampleId :

2S-E4-(0-1)

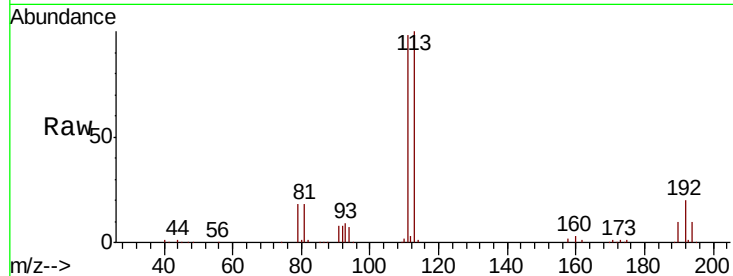
Tgt Ion:113 Resp: 111870

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

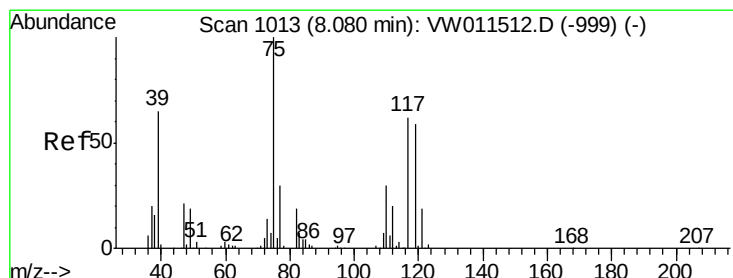
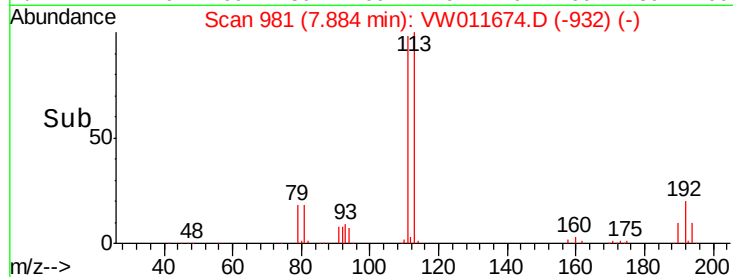
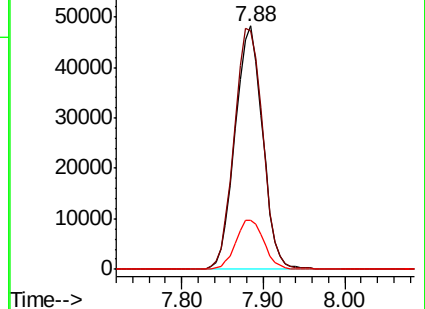
192 20.8 16.1 24.1



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: 4.977 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011674.D

Acq: 03 Aug 2019 18:48

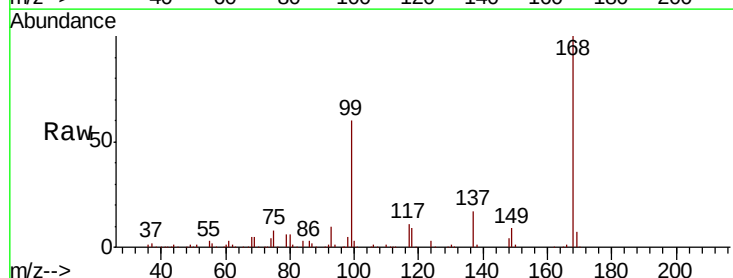
Tgt Ion: 75 Resp: 18831

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

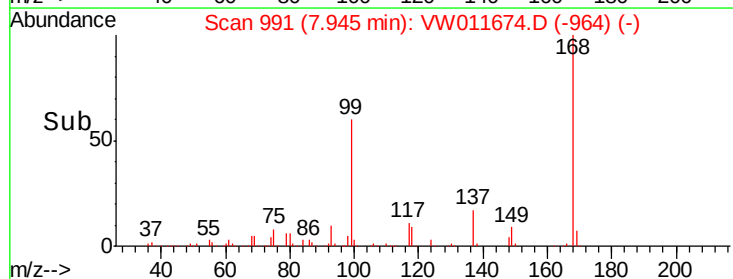
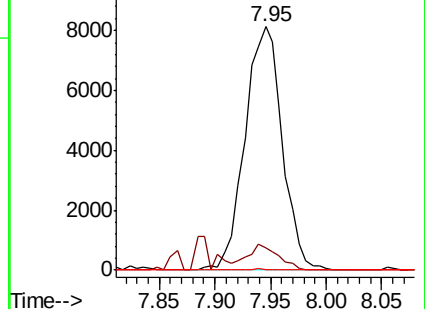
77 0.1 24.3 36.5#

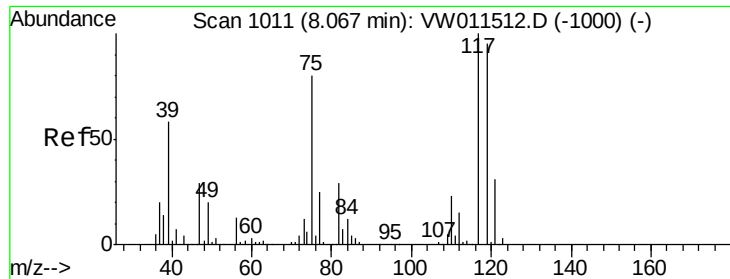


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

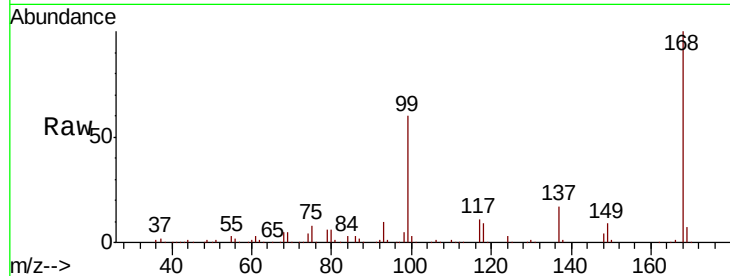




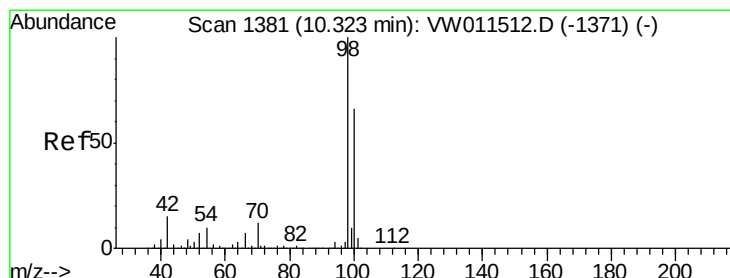
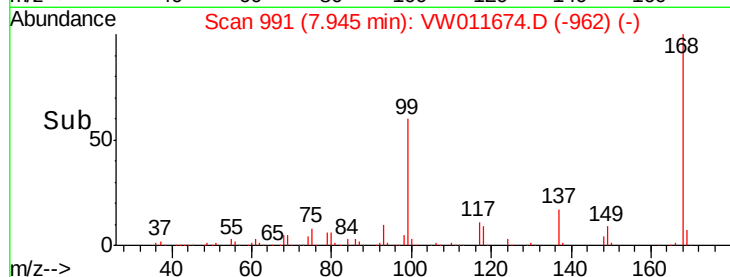
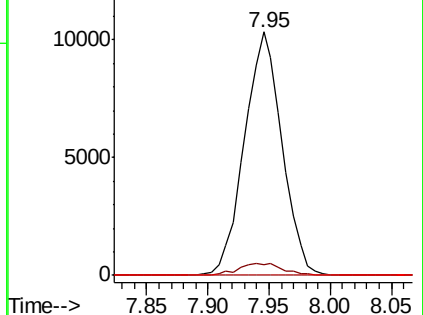
#38
Carbon Tetrachloride
Concen: 6.811 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Instrument :
MSVOA_W
ClientSampled :
2S-E4-(0-1)

Tgt Ion: 117 Resp: 22058
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.7 37.1#

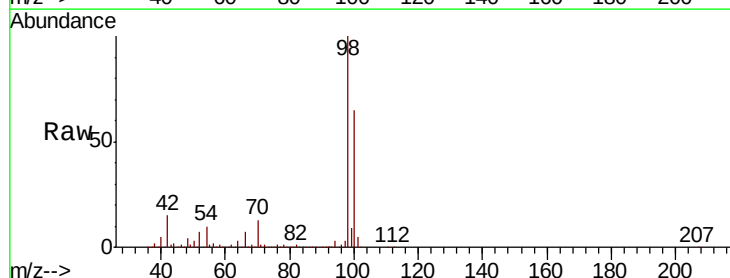


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

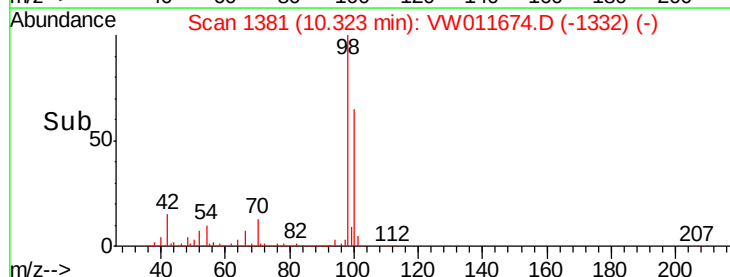
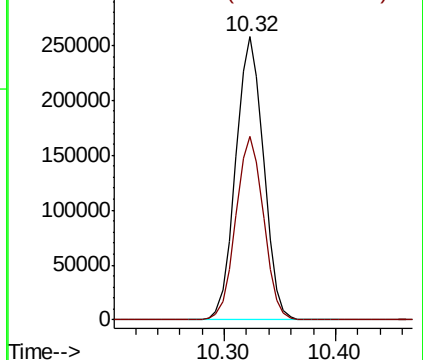


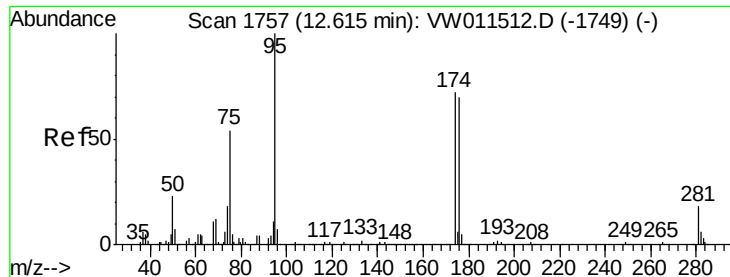
#50
Toluene-d8
Concen: 53.448 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Tgt Ion: 98 Resp: 446690
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

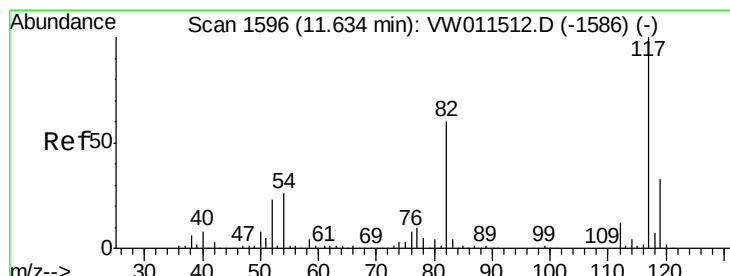
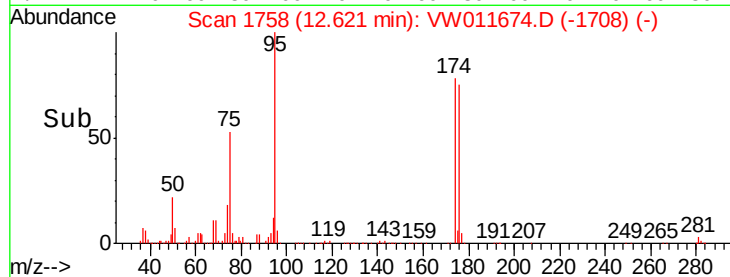
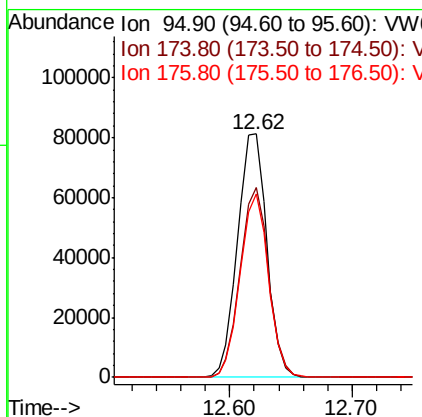
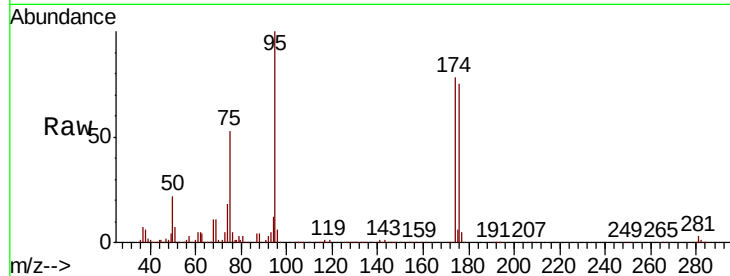




#62
4-Bromofluorobenzene
Concen: 45.372 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

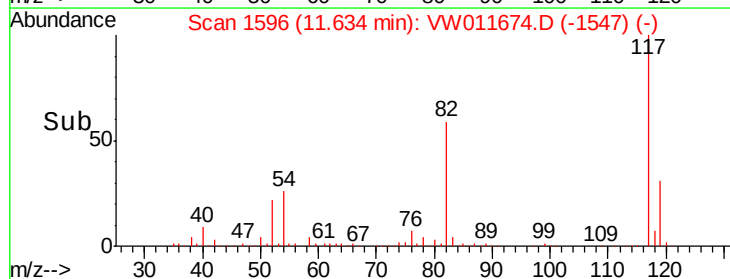
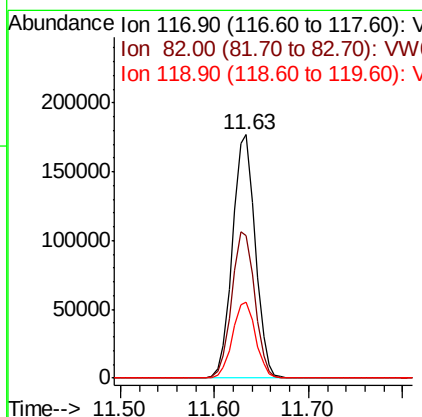
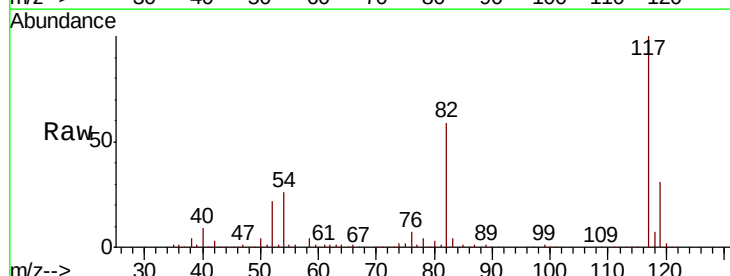
Instrument :
MSVOA_W
ClientSampled :
2S-E4-(0-1)

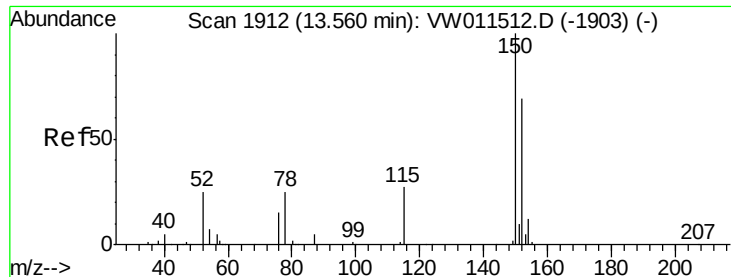
Tgt Ion: 95 Resp: 135189
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.2
176 73.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Tgt Ion: 117 Resp: 296813
Ion Ratio Lower Upper
117 100
82 58.6 47.9 71.9
119 31.0 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: VW011674.D

Acq: 03 Aug 2019 18:48

Instrument :

MSVOA_W

ClientSampleId :

2S-E4-(0-1)

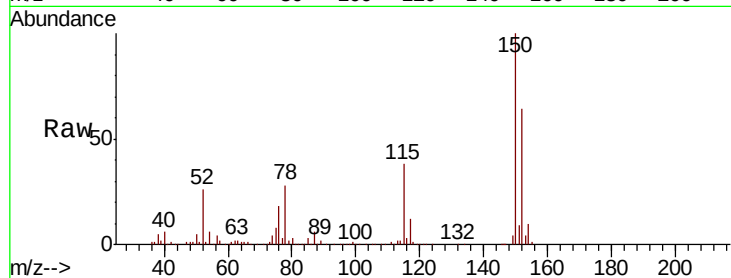
Tgt Ion: 152 Resp: 111931

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

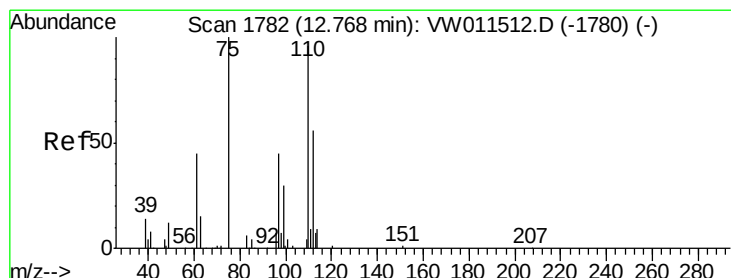
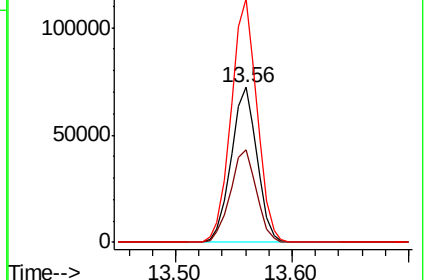
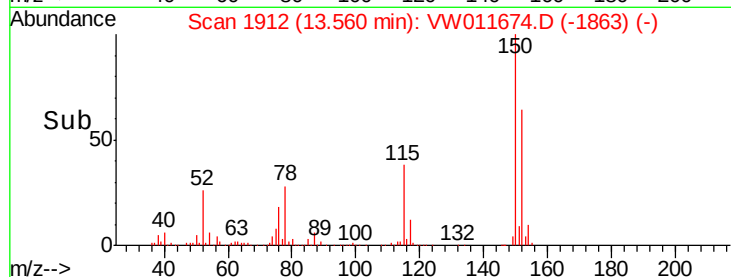
150 156.9 0.0 352.6



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: 60.904 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011674.D

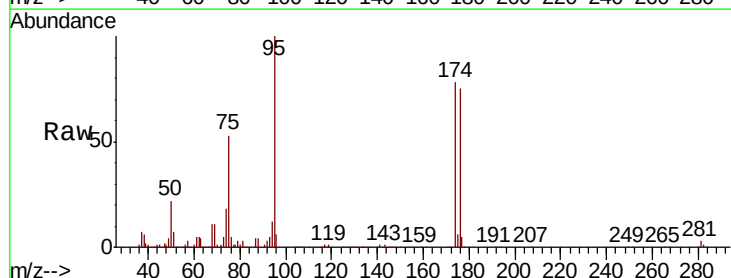
Acq: 03 Aug 2019 18:48

Tgt Ion: 75 Resp: 72132

Ion Ratio Lower Upper

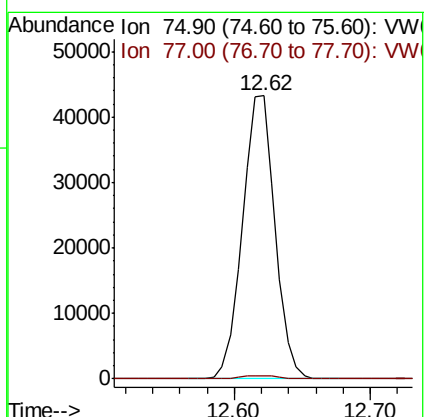
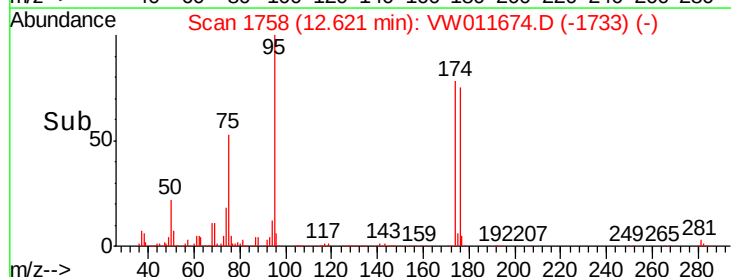
75 100

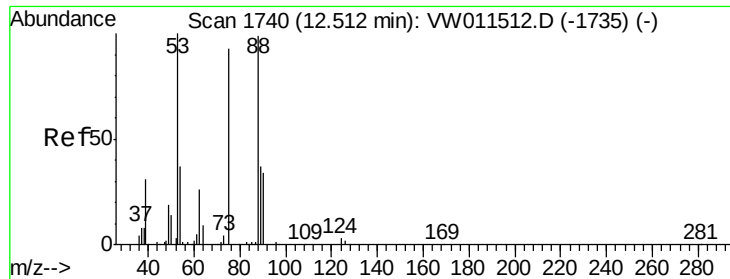
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

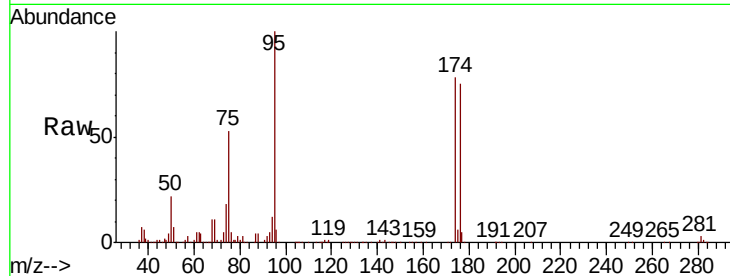




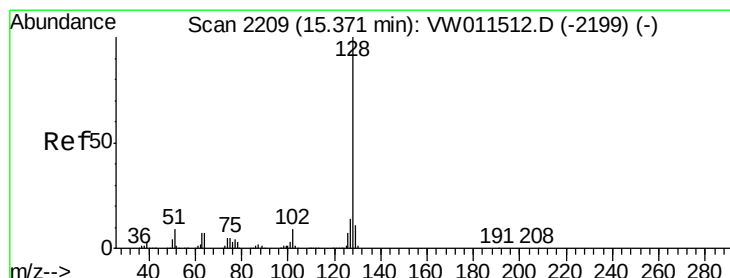
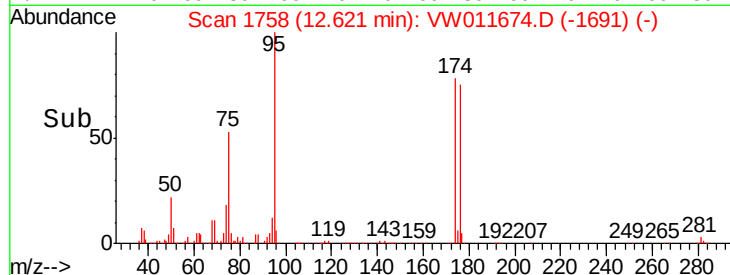
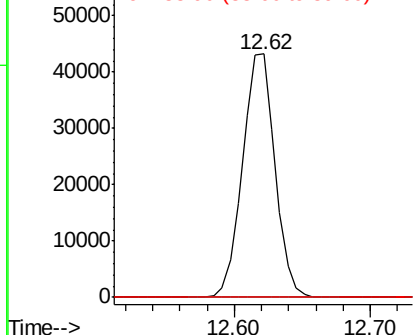
#81
trans-1,4-Dichloro-2-butene
Concen: 140.362 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Instrument :
MSVOA_W
ClientSampleId :
2S-E4-(0-1)

Tgt Ion: 75 Resp: 72132
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.0 35.3 52.9#

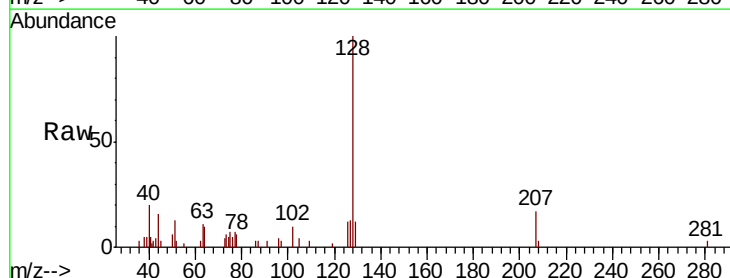


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95
Naphthalene
Concen: 2.999 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011674.D
Acq: 03 Aug 2019 18:48

Tgt Ion: 128 Resp: 4302
Ion Ratio Lower Upper
128 100
127 17.3 10.6 16.0#
129 13.3 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

