

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012163.D
 Acq On : 26 Aug 2019 11:13
 Operator : SY/VA
 Sample : K4496-01
 Misc : 5.72G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S600-M-1.0-1.5-082219

Quant Time: Sep 02 02:23:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

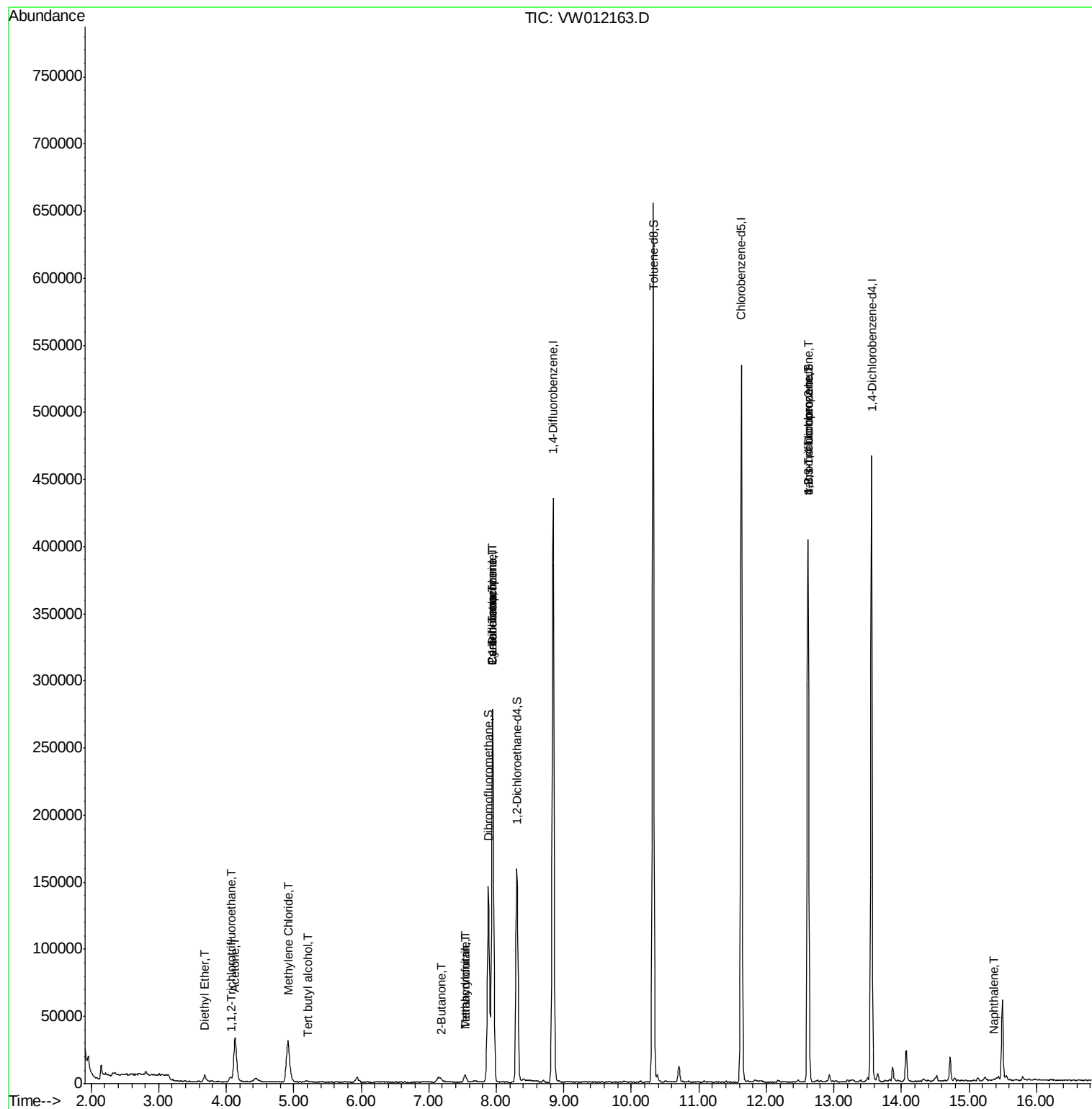
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125693	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.88	113	102355	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.32	98	409970	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.62	95	131050	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2294	2.053	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.07	101	2827	1.413	ug/l	98
11) Tert butyl alcohol	5.20	59	1511	10.519	ug/l #	79
16) Acetone	4.14	43	66580	109.118	ug/l	99
20) Methylene Chloride	4.92	84	22942	9.946	ug/l	98
25) 2-Butanone	7.20	43	3915	4.722	ug/l #	83
29) Tetrahydrofuran	7.54	42	5243	10.540	ug/l	99
31) Cyclohexane	7.95	56	5278	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17526	5.032	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20904	6.934	ug/l #	16
41) Methacrylonitrile	7.54	41	3239	2.888	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	71116	62.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71116	136.691	ug/l #	6
95) Naphthalene	15.37	128	1007	4.529	ug/l #	82

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012163.D

Acq: 26 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

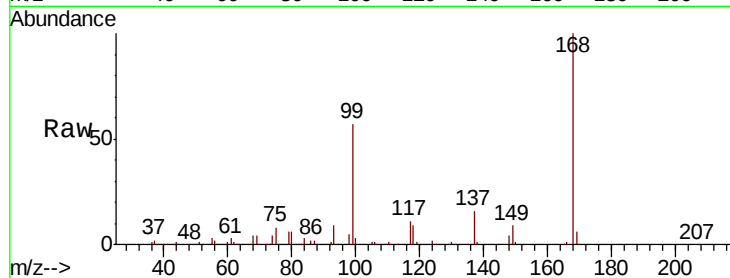
S600-M-1.0-1.5-082219

Tot Ion:168 Resp: 200798

Ion Ratio Lower Upper

168 100

99 56.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

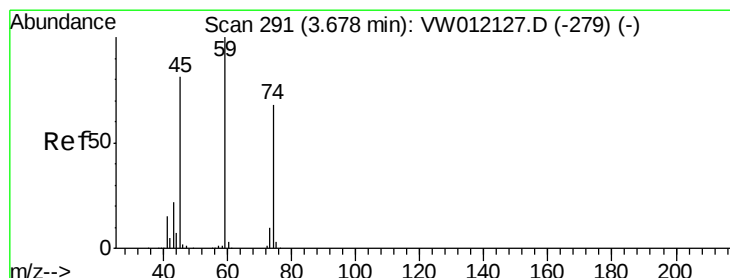
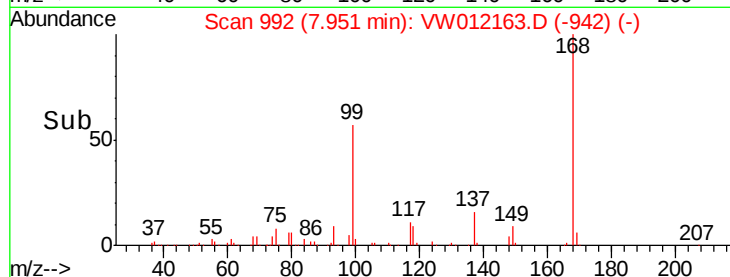
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.053 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012163.D

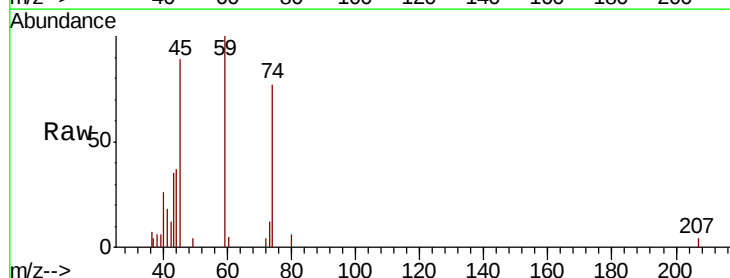
Acq: 26 Aug 2019 11:13

Tgt Ion: 74 Resp: 2294

Ion Ratio Lower Upper

74 100

45 134.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

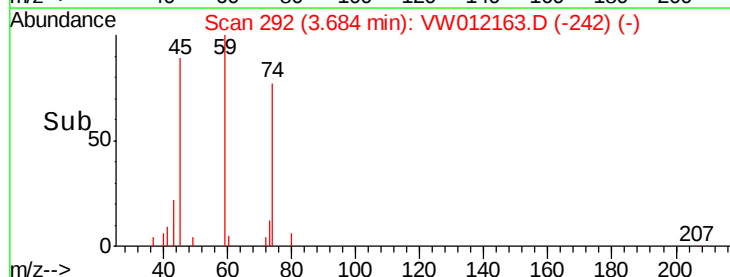
1500

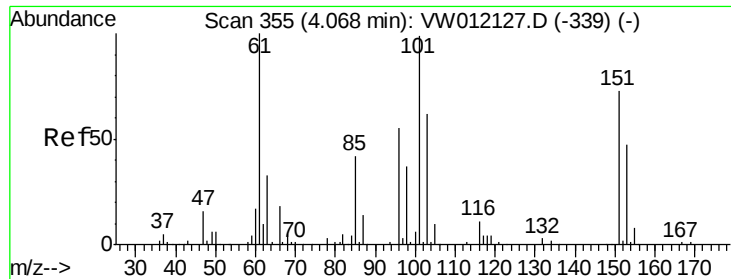
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.413 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012163.D

Acq: 26 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

S600-M-1.0-1.5-082219

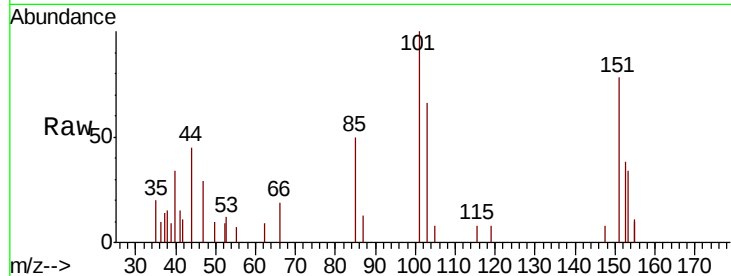
Tot Ion:101 Resp: 2827

Ion Ratio Lower Upper

101 100

85 42.2 35.8 53.6

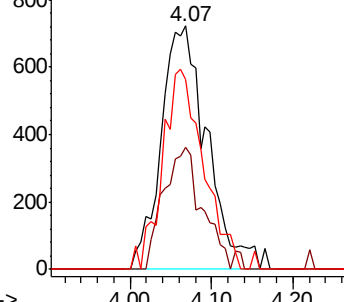
151 72.7 58.6 87.8



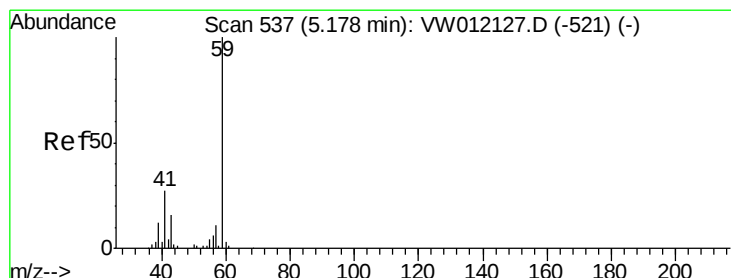
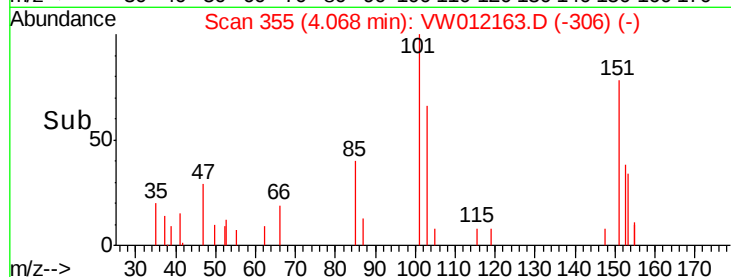
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



Time-->



#11

Tert butyl alcohol

Concen: 10.519 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012163.D

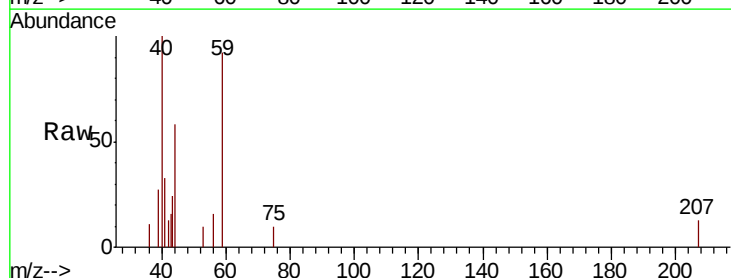
Acq: 26 Aug 2019 11:13

Tgt Ion: 59 Resp: 1511

Ion Ratio Lower Upper

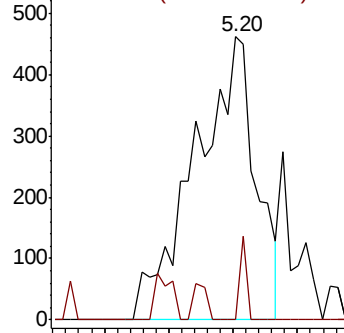
59 100

57 3.3 9.0 13.4#

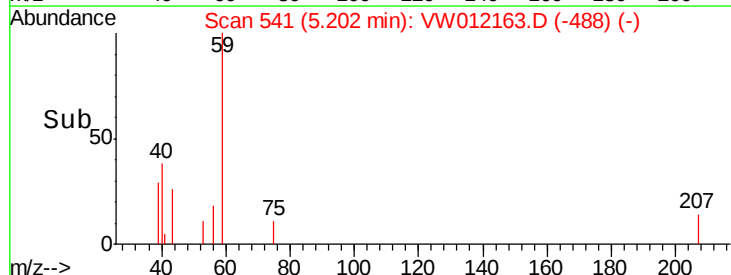


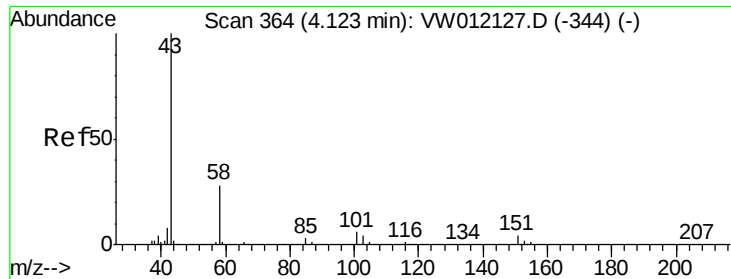
Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->

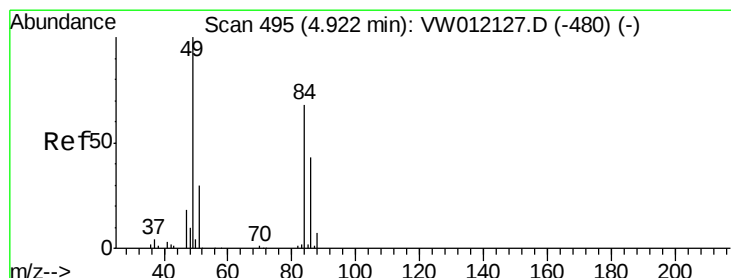
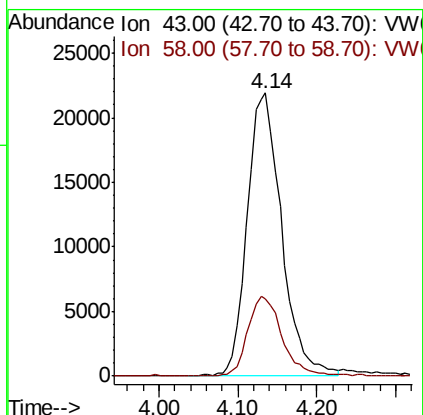
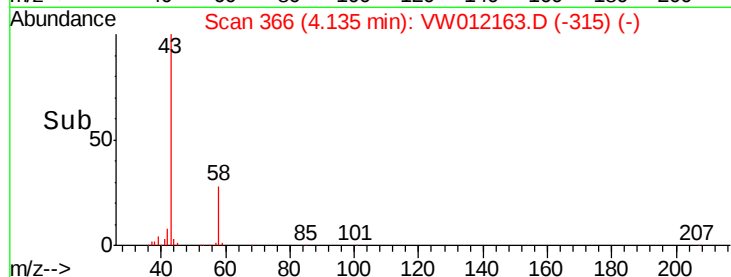
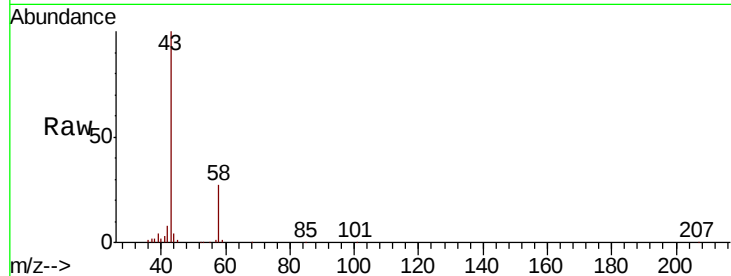




#16
Acetone
Concen: 109.118 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

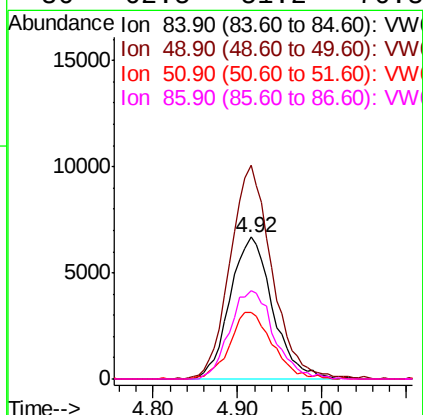
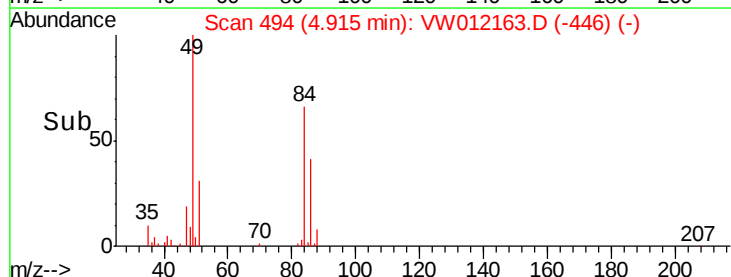
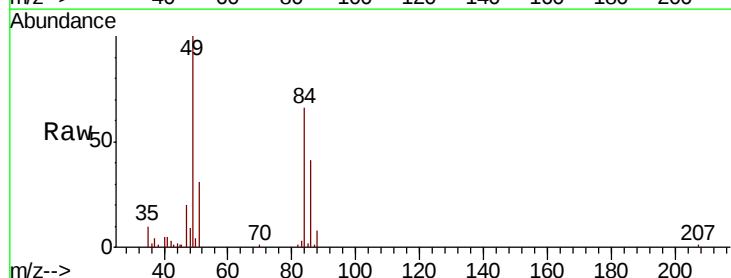
Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

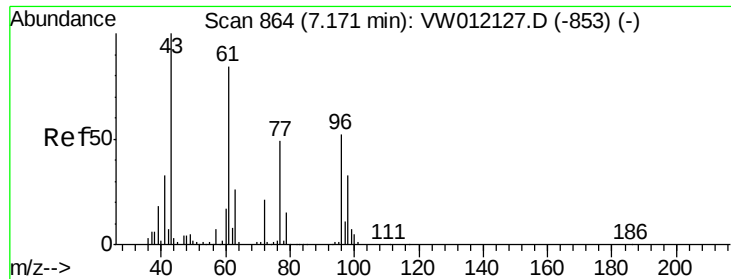
Tot Ion: 43 Resp: 66580
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6



#20
Methylene Chloride
Concen: 9.946 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Tgt Ion: 84 Resp: 22942
Ion Ratio Lower Upper
84 100
49 149.5 117.8 176.8
51 47.2 35.6 53.4
86 62.5 51.2 76.8

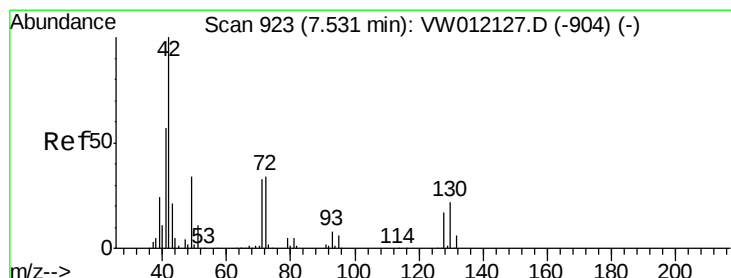
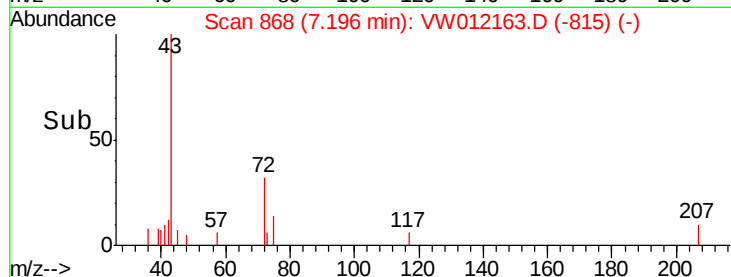
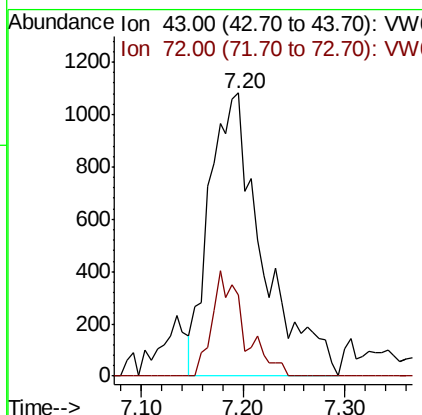
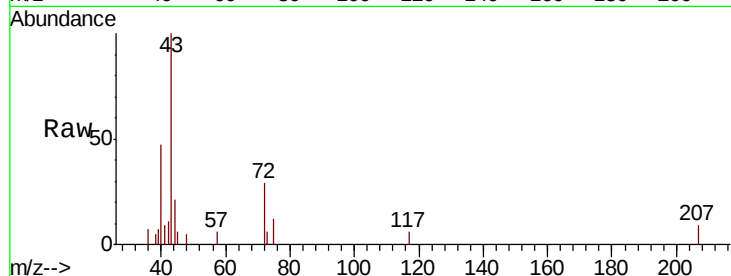




#25
2-Butanone
Concen: 4.722 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

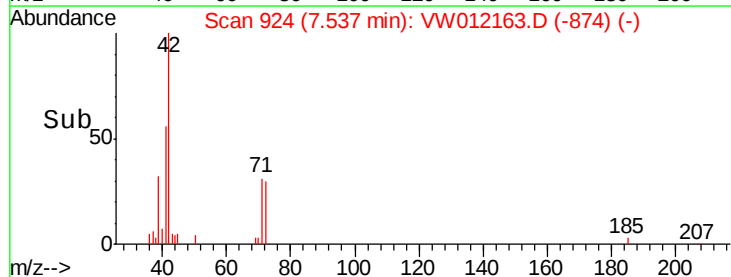
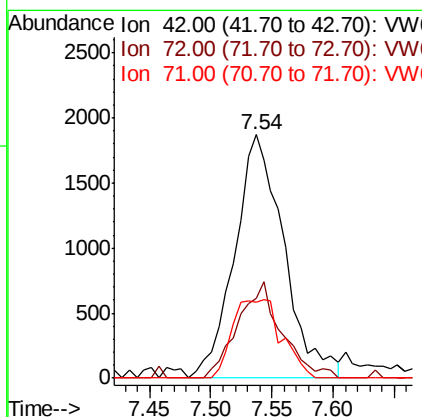
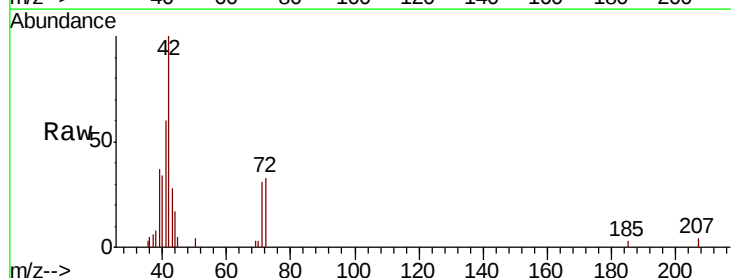
Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

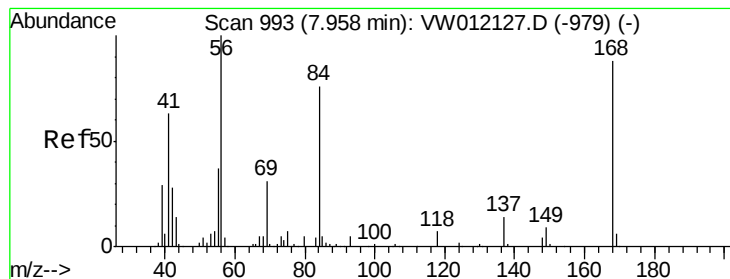
Tot Ion: 43 Resp: 3915
Ion Ratio Lower Upper
43 100
72 28.8 16.6 24.8#



#29
Tetrahydrofuran
Concen: 10.540 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Tgt Ion: 42 Resp: 5243
Ion Ratio Lower Upper
42 100
72 35.2 27.3 40.9
71 32.1 25.5 38.3





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012163.D

Acq: 26 Aug 2019 11:13

Instrument :

MSVOA_W

ClientSampleId :

S600-M-1.0-1.5-082219

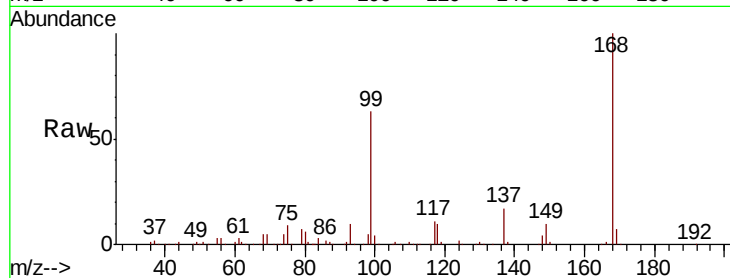
Tot Ion: 56 Resp: 5278

Ion Ratio Lower Upper

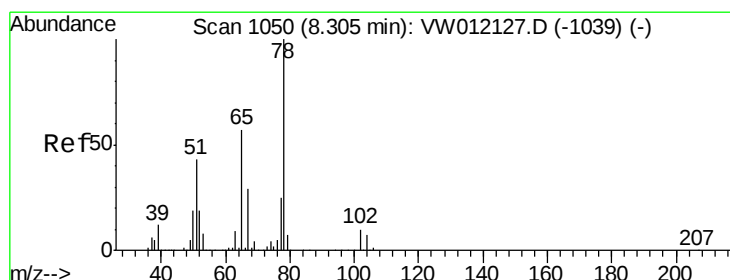
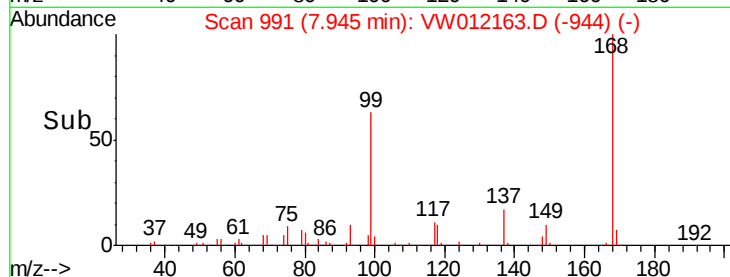
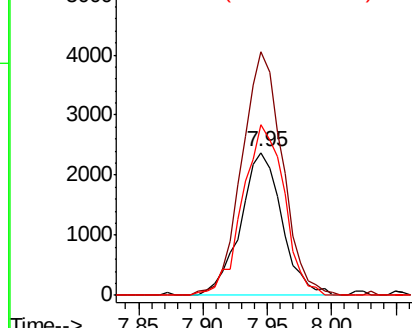
56 100

69 170.2 24.9 37.3#

84 119.2 60.6 90.8#



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: 52.657 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012163.D

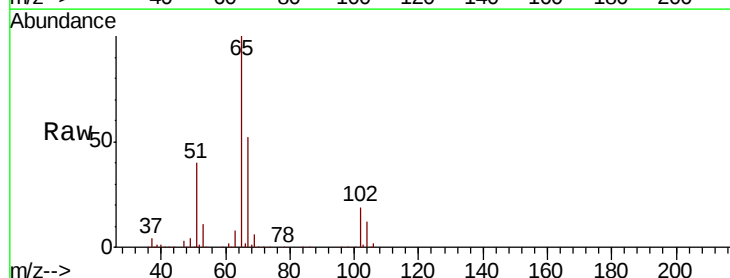
Acq: 26 Aug 2019 11:13

Tgt Ion: 65 Resp: 125693

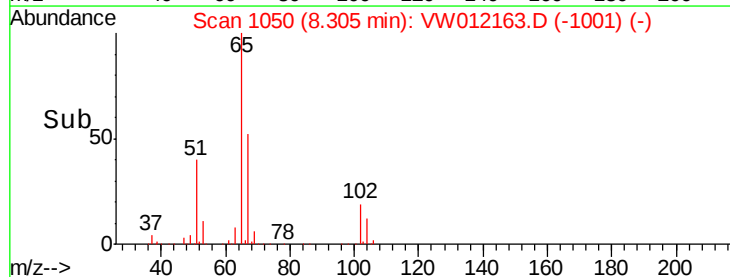
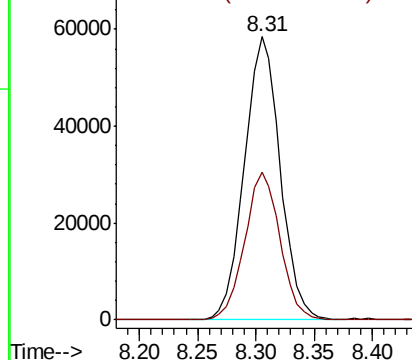
Ion Ratio Lower Upper

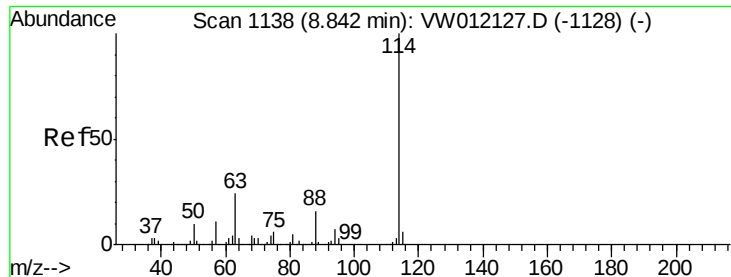
65 100

67 51.5 0.0 102.6



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

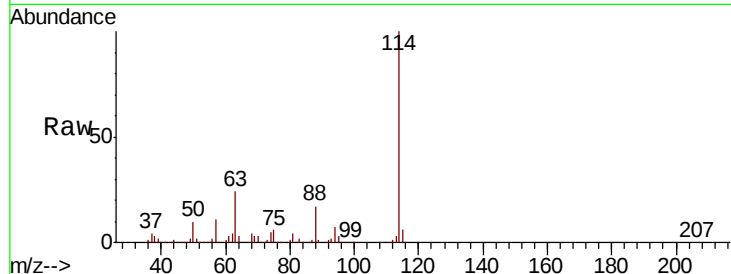




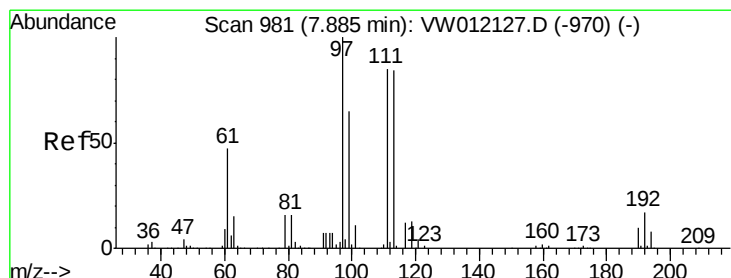
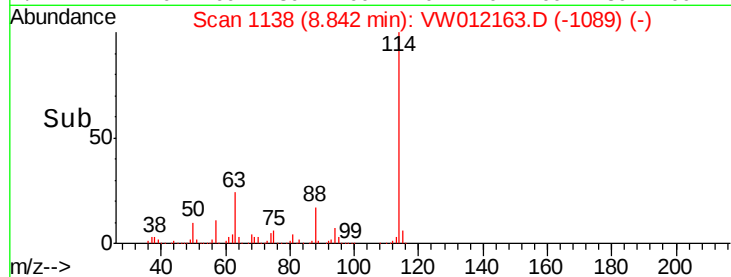
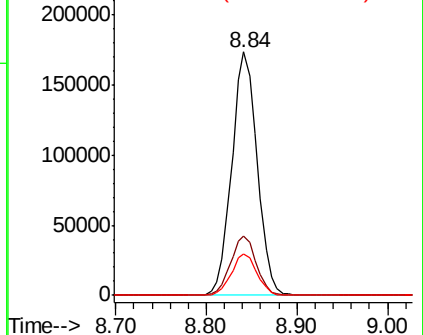
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012163.D
 Acq: 26 Aug 2019 11:13

Instrument :
 MSVOA_W
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 S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.6
88	17.2	0.0	32.2

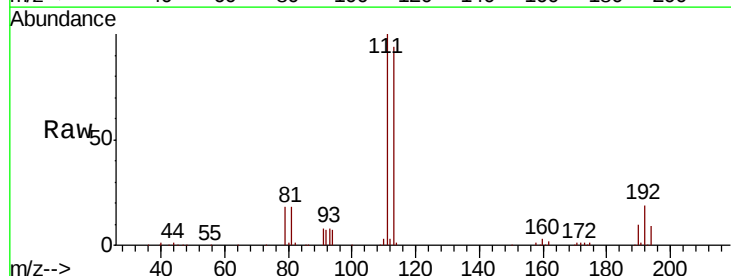


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

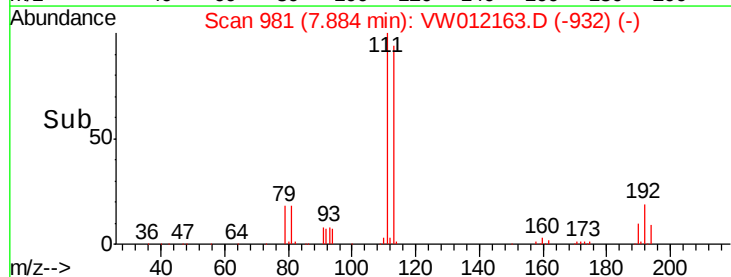
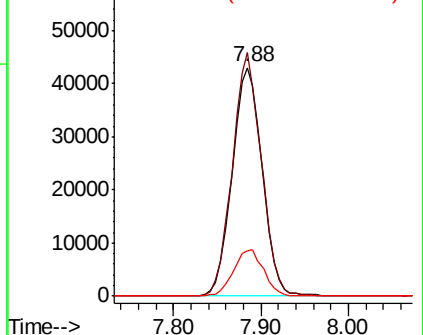


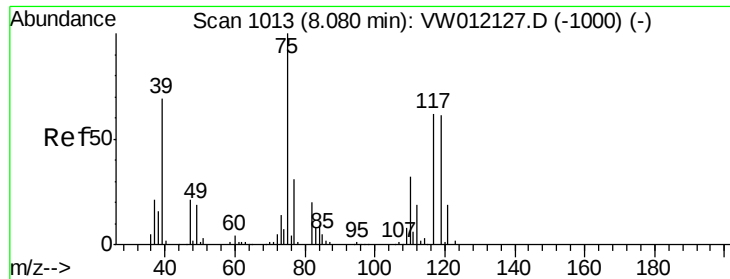
#35
 Dibromofluoromethane
 Concen: 50.878 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012163.D
 Acq: 26 Aug 2019 11:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.2	16.2	24.2



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

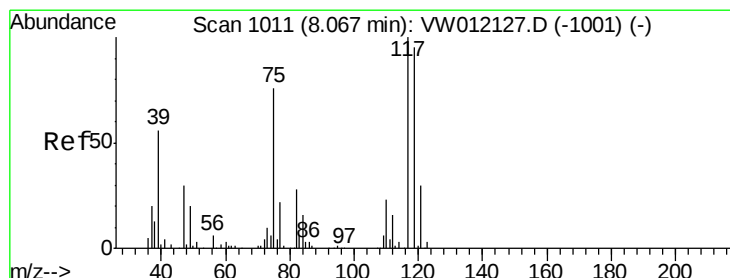
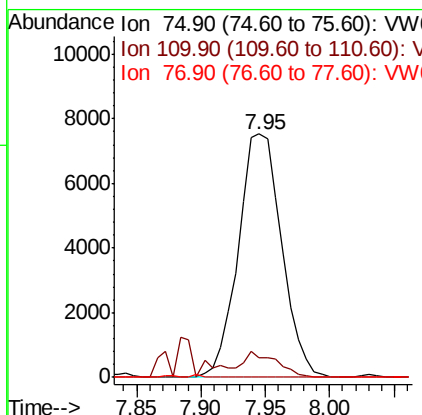
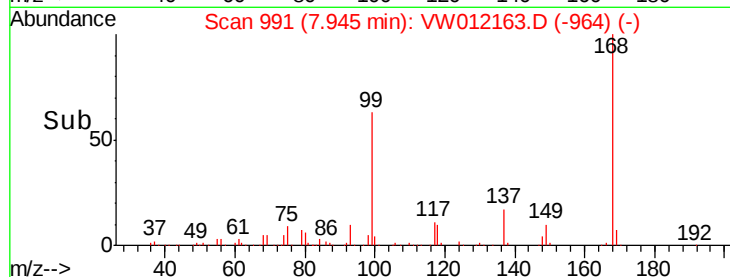
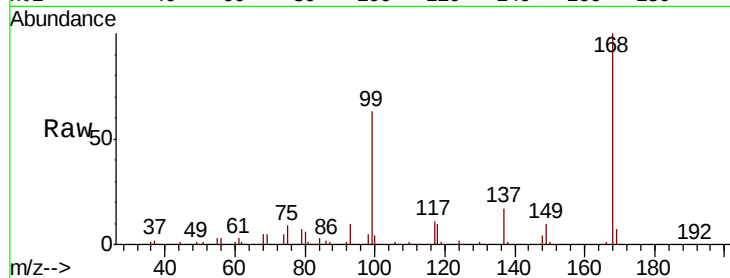




#36
 1,1-Dichloropropene
 Concen: 5.032 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012163.D
 Acq: 26 Aug 2019 11:13

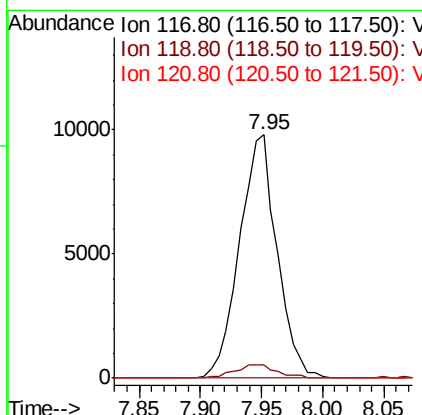
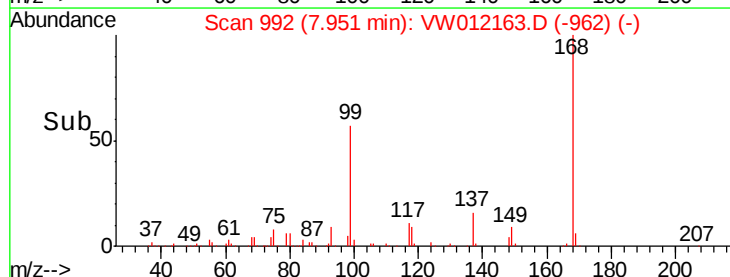
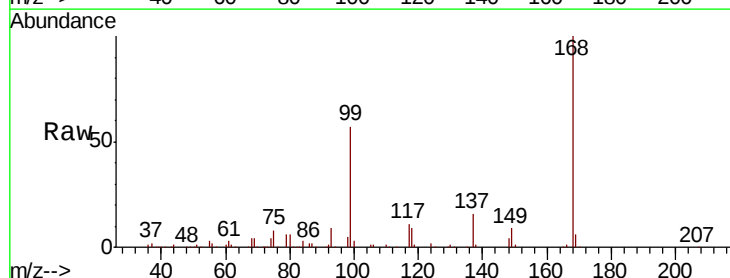
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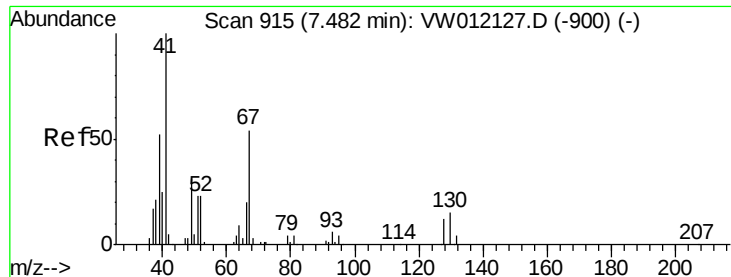
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.934 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012163.D
 Acq: 26 Aug 2019 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	23.8	35.8#

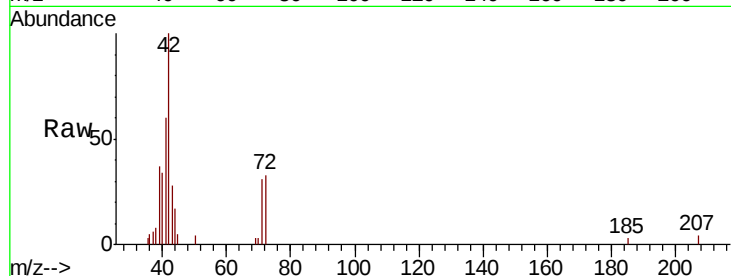




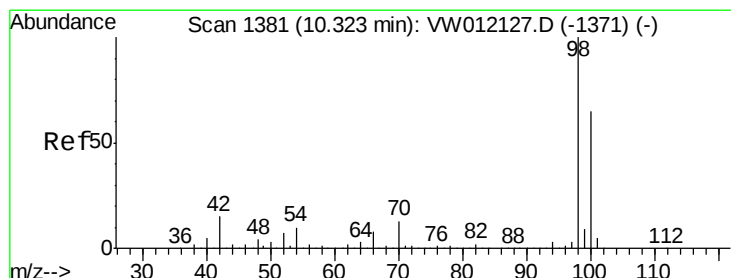
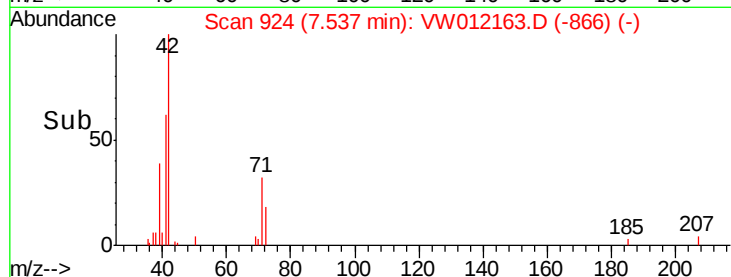
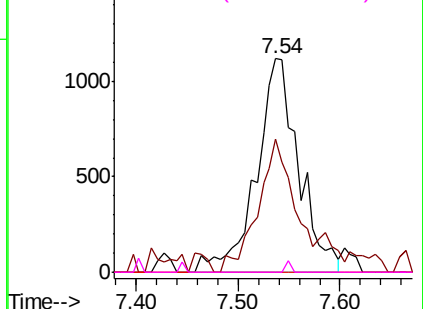
#41
Methacrylonitrile
Concen: 2.888 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion:	41	Resp:	3239
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.7	21.0	31.6#

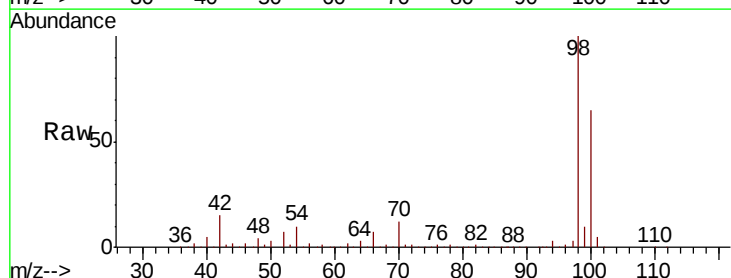


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

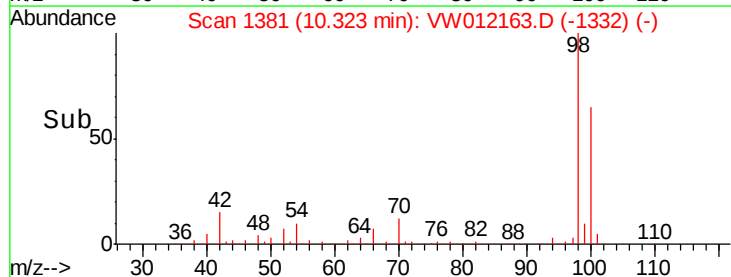
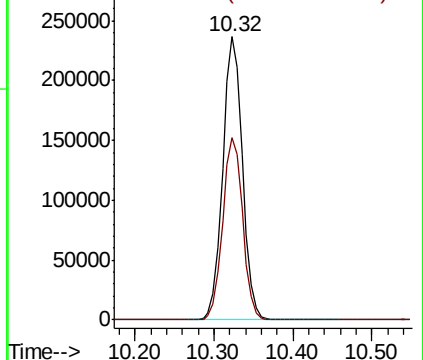


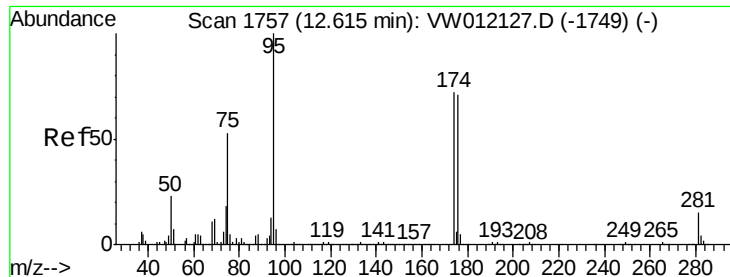
#50
Toluene-d8
Concen: 50.259 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Tgt Ion:	98	Resp:	409970
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6



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

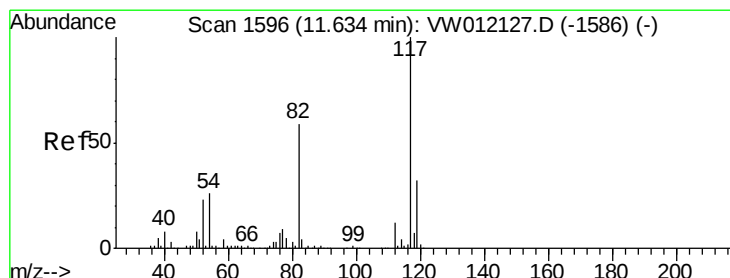
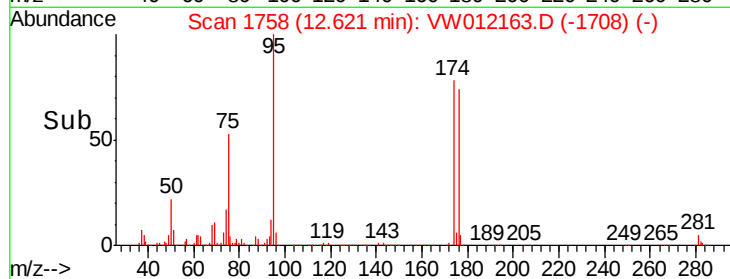
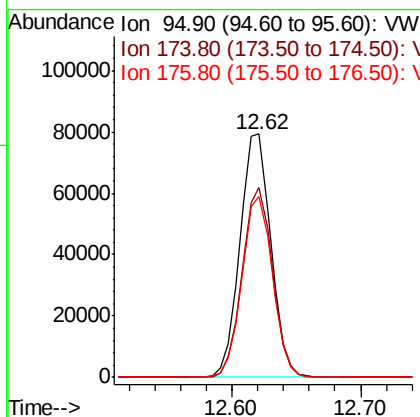
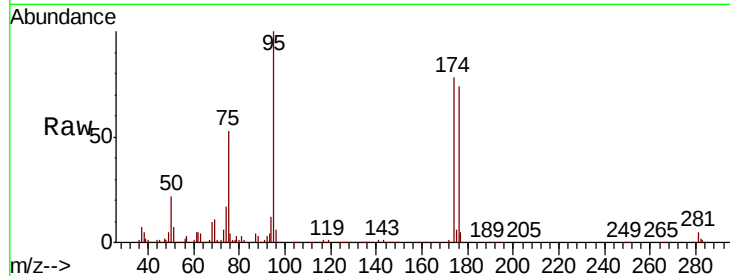




#62
4-Bromofluorobenzene
Concen: 45.577 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

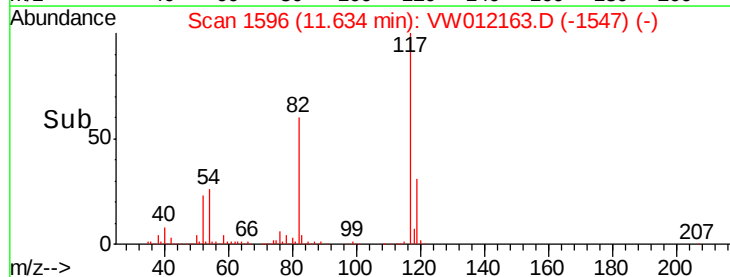
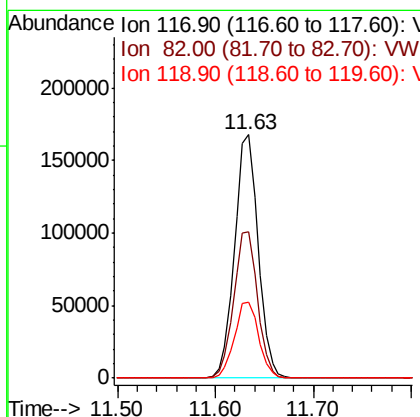
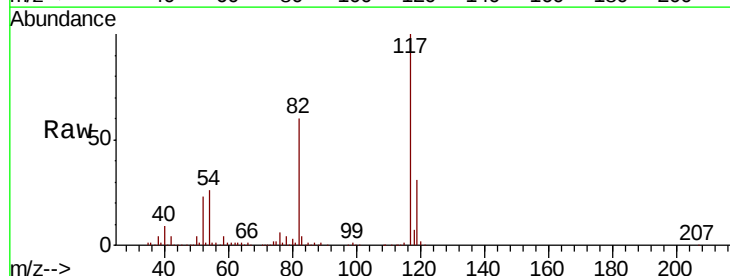
Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

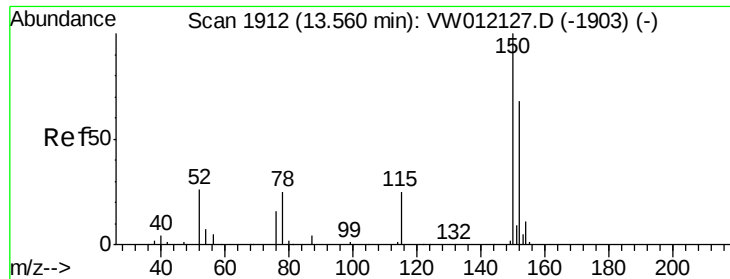
Tot Ion	95	Resp	131050
Ion Ratio	100		
Lower			
Upper			
174	76.7	0.0	150.8
176	73.7	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Tgt Ion	117	Resp	280941
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	59.9	47.4	71.2
119	31.4	25.4	38.2



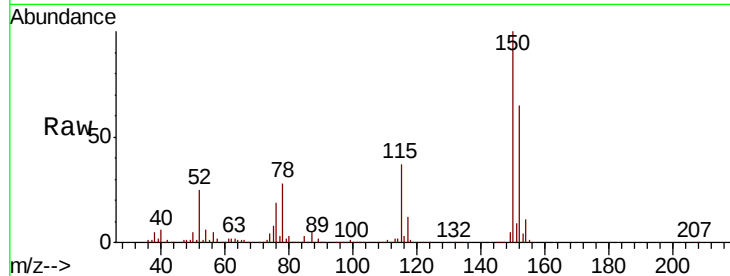


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.3
150	156.1	0.0	345.8

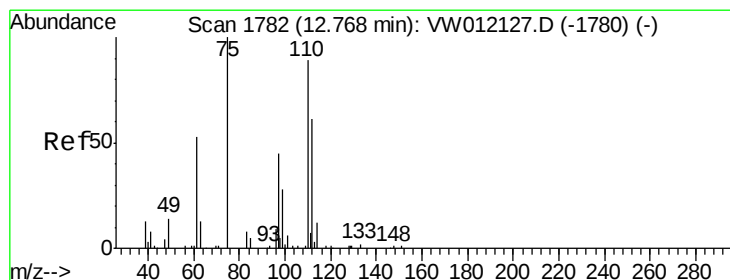
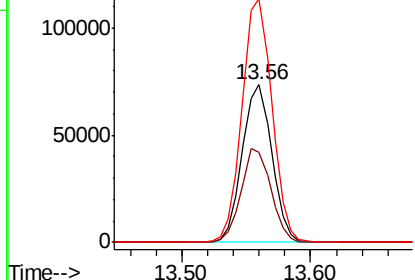
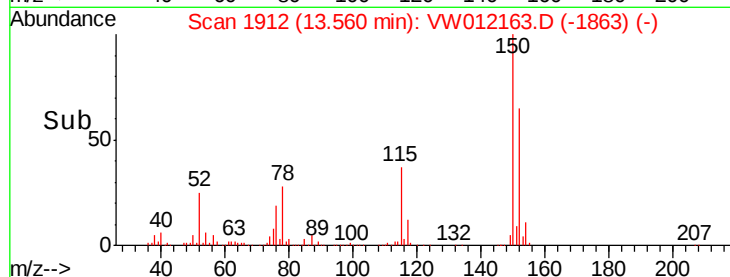


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

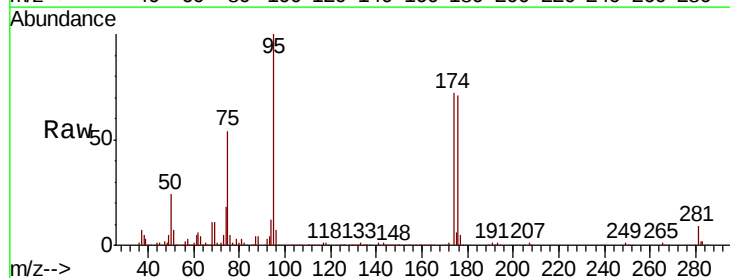
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 62.344 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

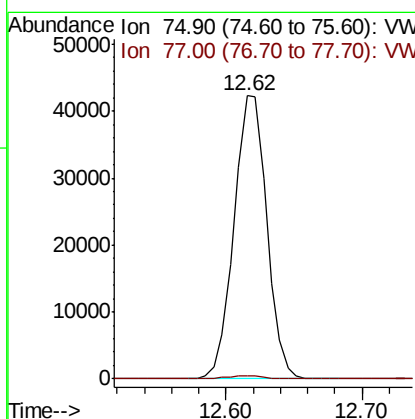
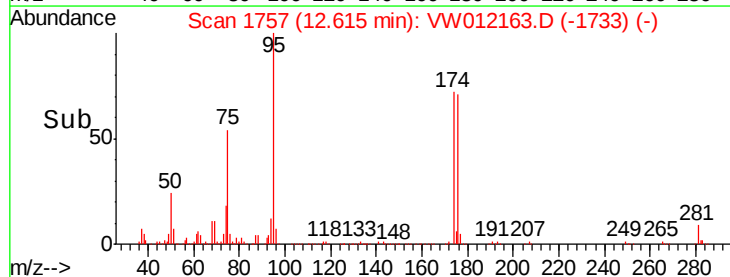
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

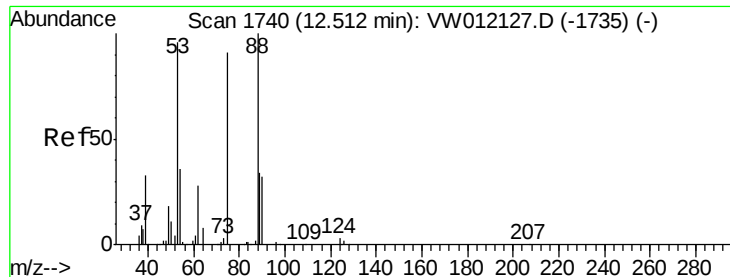


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

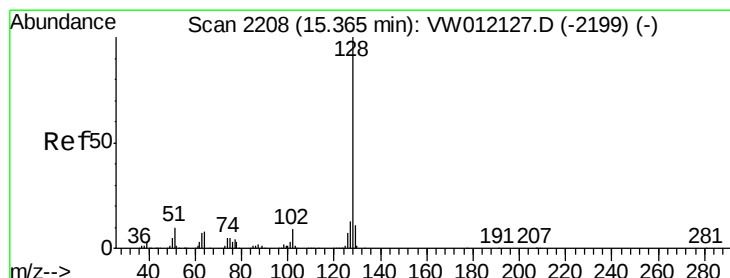
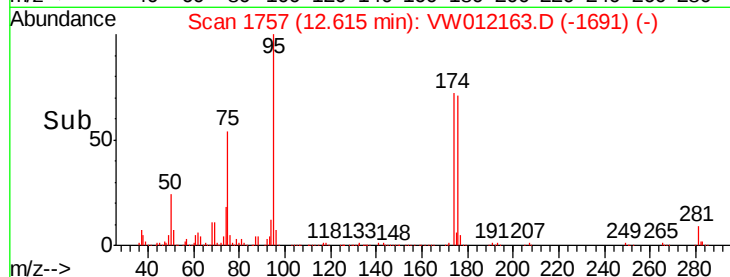
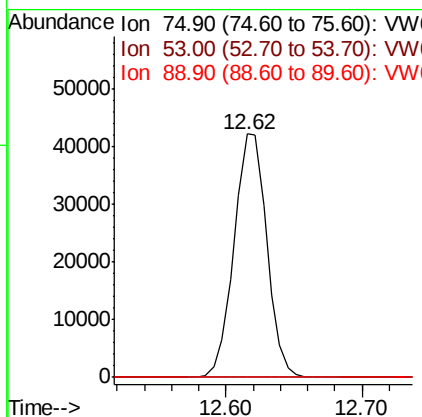
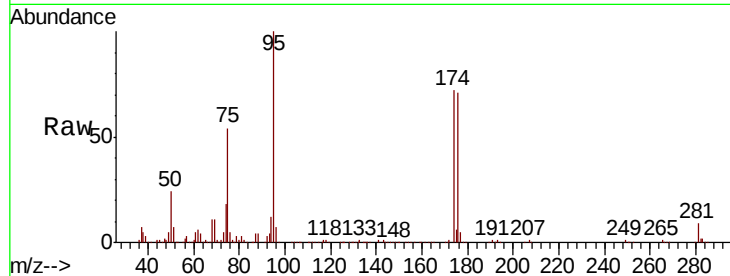




#81
trans-1,4-Dichloro-2-butene
Concen: 136.691 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Instrument :
MSVOA_W
ClientSampleId :
S600-M-1.0-1.5-082219

Tot Ion: 75 Resp: 71116
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.529 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012163.D
Acq: 26 Aug 2019 11:13

Tgt Ion: 128 Resp: 1007
Ion Ratio Lower Upper
128 100
127 16.9 10.7 16.1#
129 0.0 8.7 13.1#

