

Data File : VW012694.D
Acq On : 06 Sep 2019 16:25
Operator : SY/VA
Sample : K4580-17
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-A3-(0)

Quant Time: Sep 07 04:40:45 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	226546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	107185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130100	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.88	113	101031	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.32	98	414404	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.62	95	127753	42.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.56%	

Target Compounds

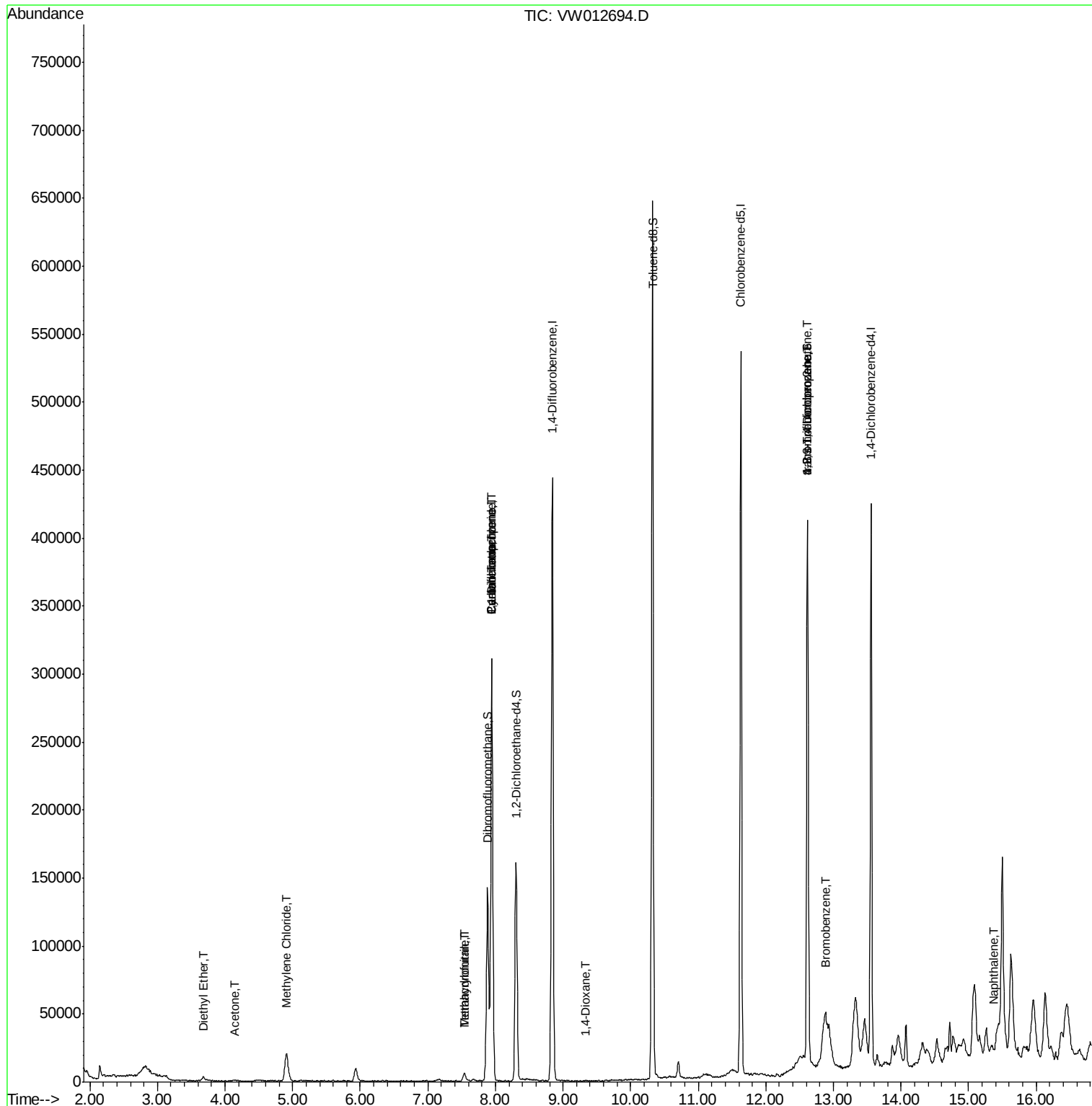
						Qvalue
8) Diethyl Ether	3.68	74	1652	1.310	ug/l	63
16) Acetone	4.15	43	1312	1.906	ug/l #	78
20) Methylene Chloride	4.90	84	15598	5.994	ug/l	91
29) Tetrahydrofuran	7.54	42	5611	9.998	ug/l	98
31) Cyclohexane	7.95	56	5171	1.066	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18131	5.013	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22153	7.076	ug/l #	16
41) Methacrylonitrile	7.54	41	3096	2.658	ug/l #	41
49) 1,4-Dioxane	9.32	88	20	1.105	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67524	64.684	ug/l #	100
77) Bromobenzene	12.88	156	54818	31.549	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67524	141.822	ug/l #	6
95) Naphthalene	15.37	128	957	4.537	ug/l #	58

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

Data File : VW012694.D
Acq On : 06 Sep 2019 16:25
Operator : SY/VA
Sample : K4580-17
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-A3-(0)

Quant Time: Sep 07 04:40:45 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

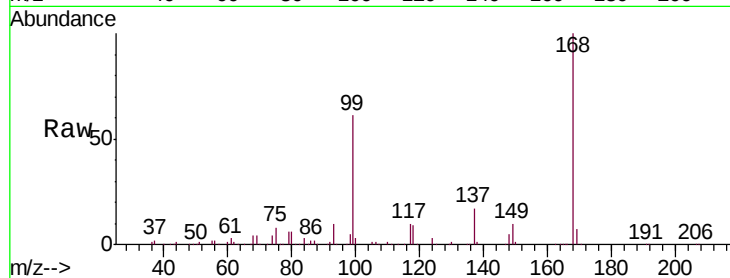
T12-A3-(0)

Tgt Ion:168 Resp: 226546

Ion Ratio Lower Upper

168 100

99 61.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

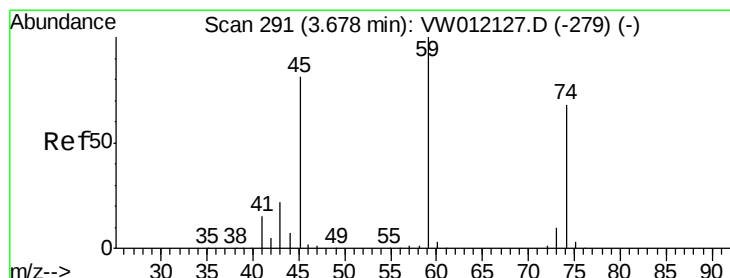
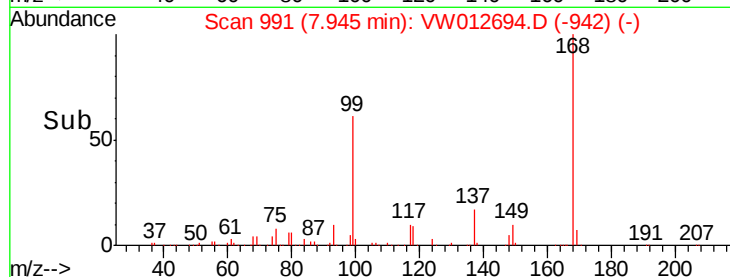
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.310 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012694.D

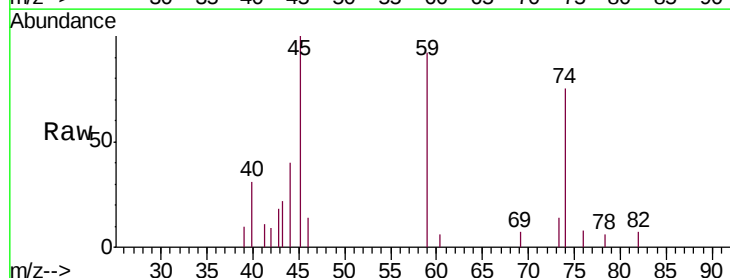
Acq: 06 Sep 2019 16:25

Tgt Ion: 74 Resp: 1652

Ion Ratio Lower Upper

74 100

45 158.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

600

400

200

0

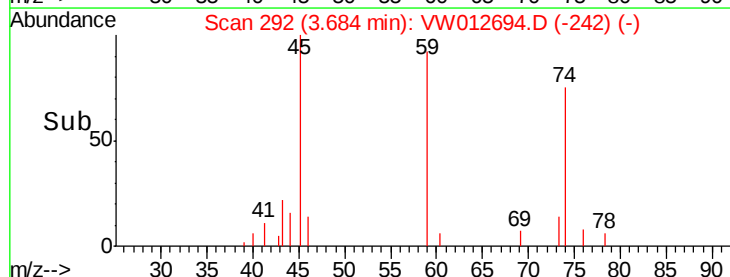
3.60

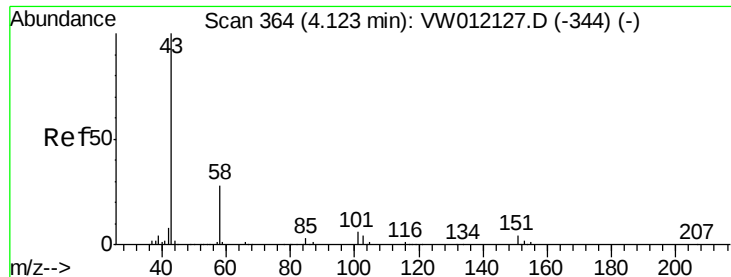
3.65

3.70

3.75

Time-->





#16

Acetone

Concen: 1.906 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

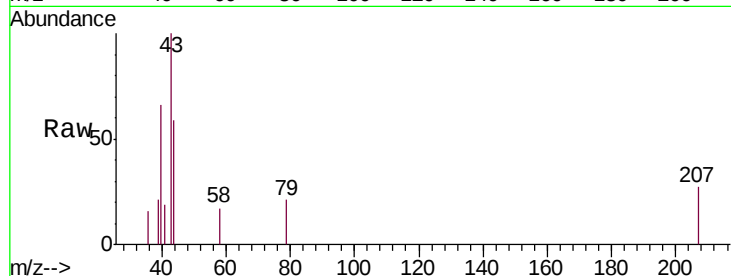
T12-A3-(0)

Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

58 16.7 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

400

300

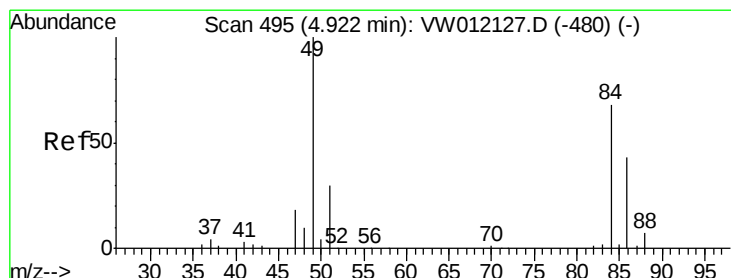
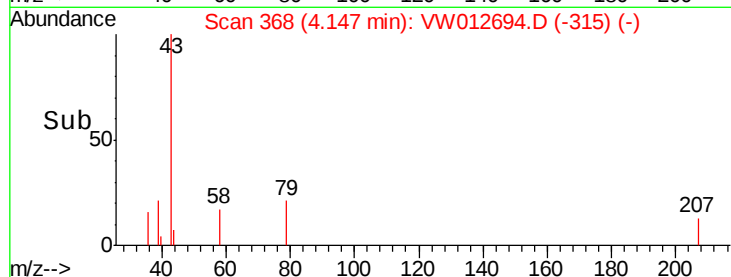
200

100

0

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 5.994 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Tgt Ion: 84 Resp: 15598

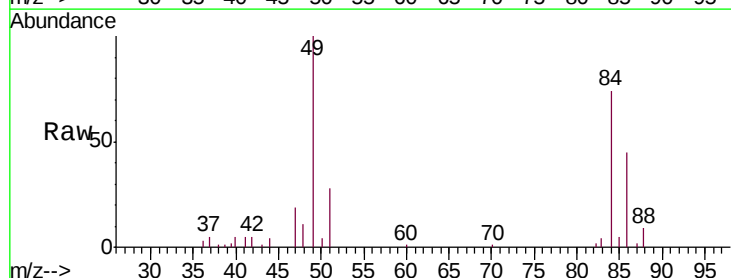
Ion Ratio Lower Upper

84 100

49 134.3 117.8 176.8

51 38.2 35.6 53.4

86 60.8 51.2 76.8



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

10000

8000

6000

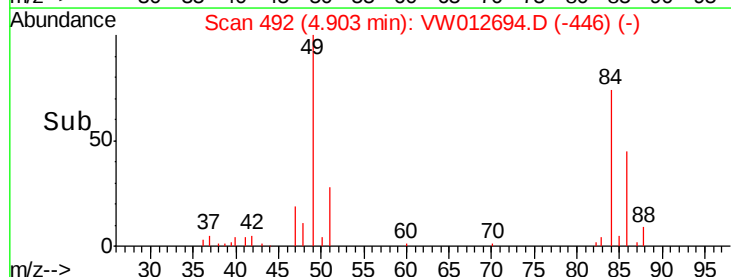
4000

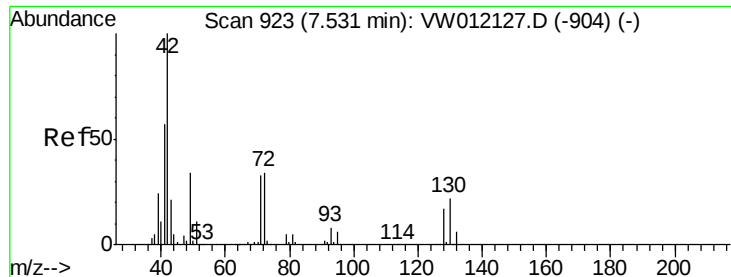
2000

0

4.80 4.90 5.00

Time-->

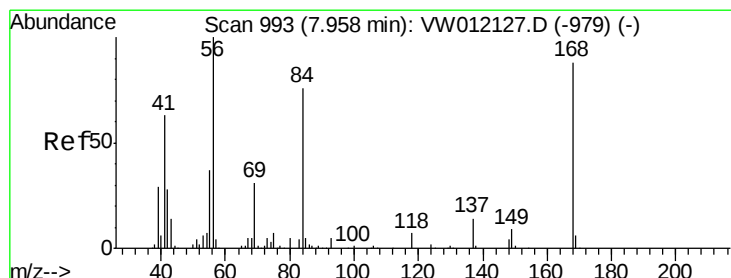
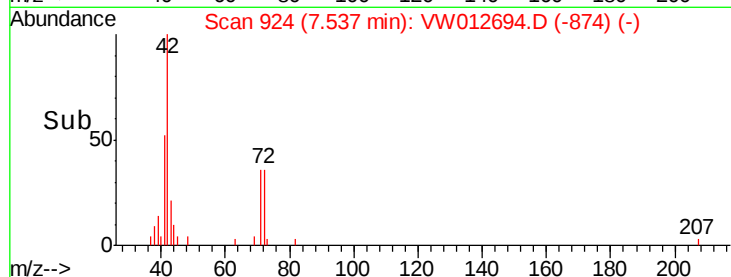
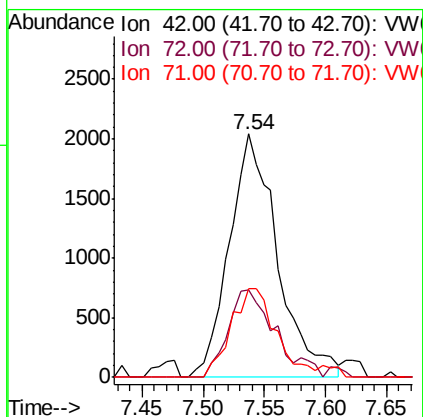
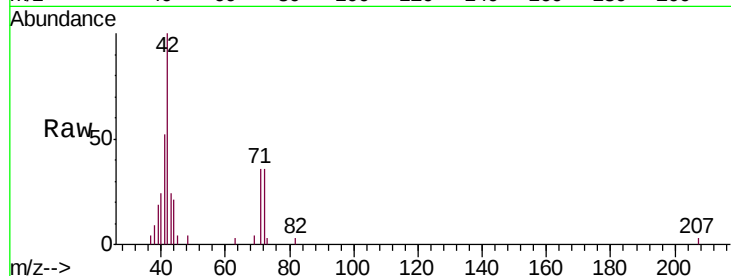




#29
Tetrahydrofuran
Concen: 9.998 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

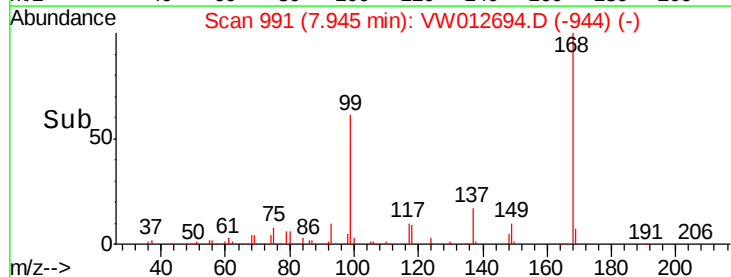
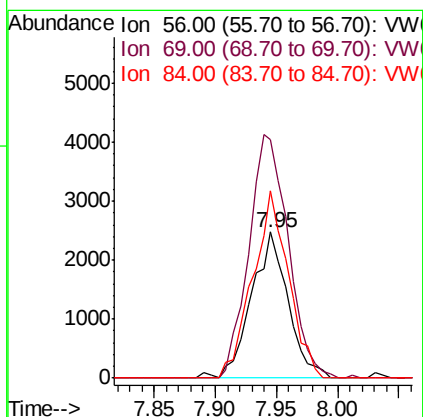
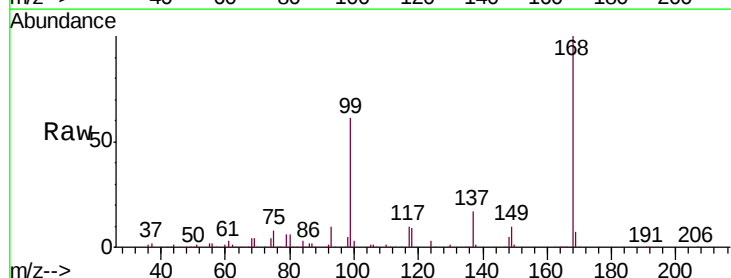
Instrument :
MSVOA_W
ClientSampled :
T12-A3-(0)

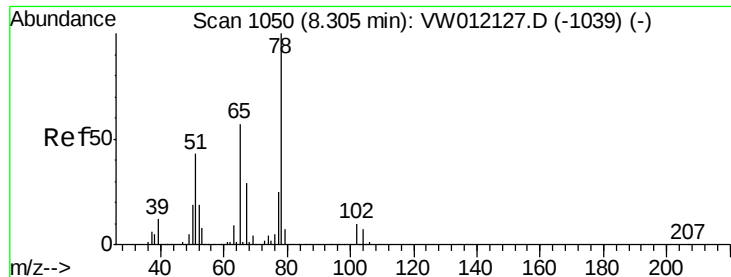
Tgt Ion: 42 Resp: 5611
Ion Ratio Lower Upper
42 100
72 35.0 27.3 40.9
71 33.6 25.5 38.3



#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

Tgt Ion: 56 Resp: 5171
Ion Ratio Lower Upper
56 100
69 163.1 24.9 37.3#
84 128.2 60.6 90.8#

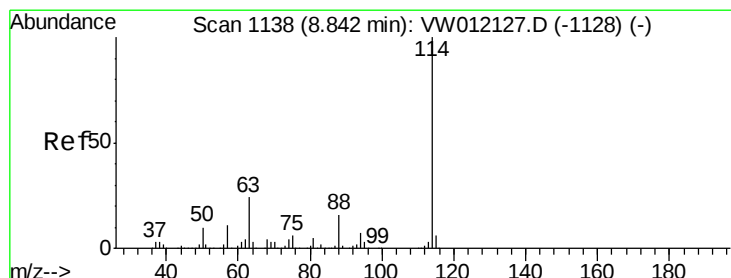
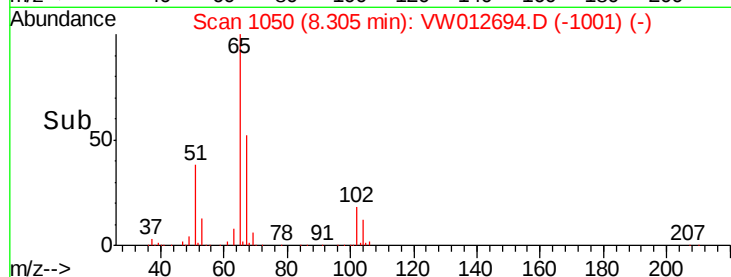
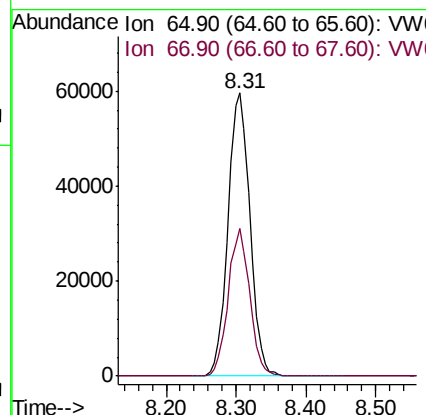
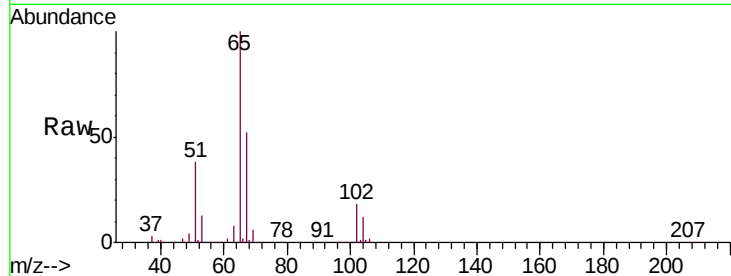




#33
 1,2-Dichloroethane-d4
 Concen: 48.309 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012694.D
 Acq: 06 Sep 2019 16:25

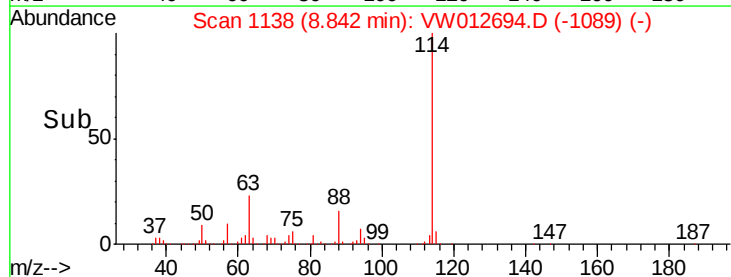
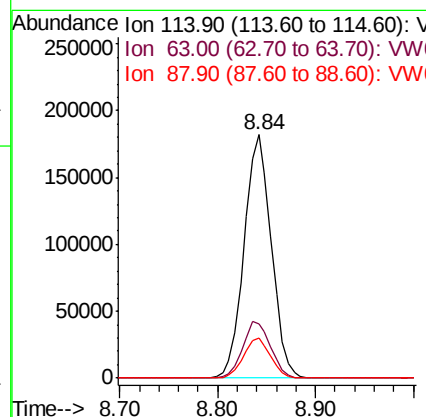
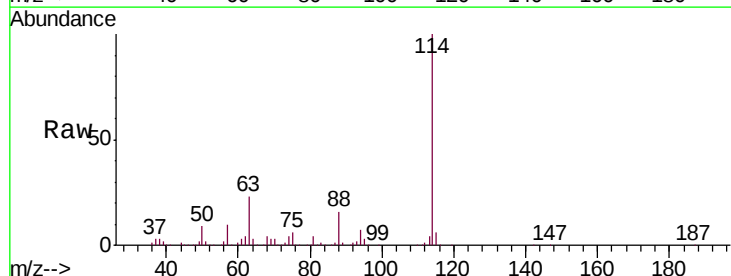
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-A3-(0)

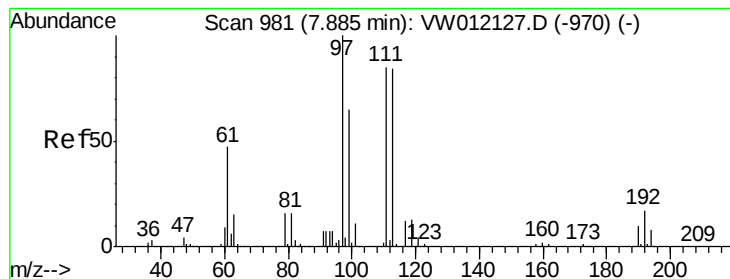
Tgt Ion: 65 Resp: 130100
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012694.D
 Acq: 06 Sep 2019 16:25

Tgt Ion: 114 Resp: 350023
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.356 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

T12-A3-(0)

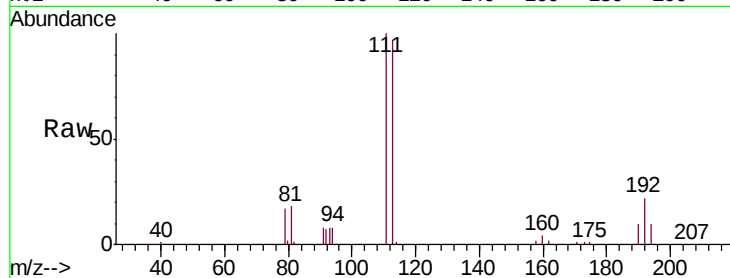
Tgt Ion:113 Resp: 101031

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

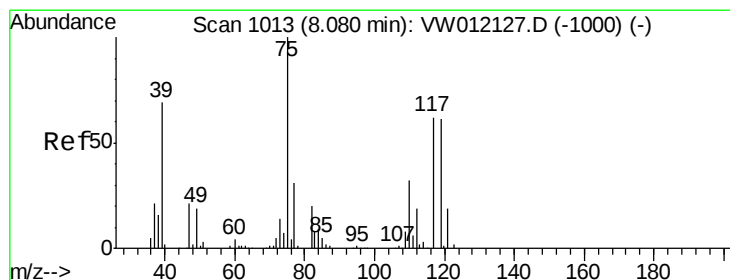
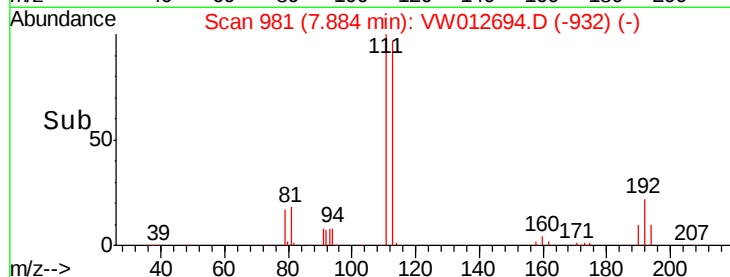
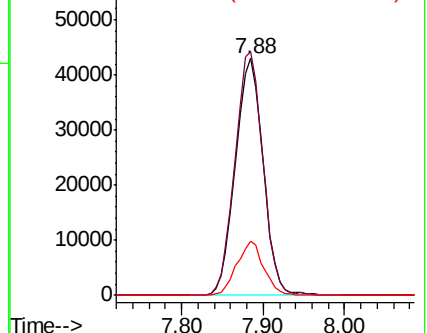
192 21.9 16.2 24.2



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: 5.013 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

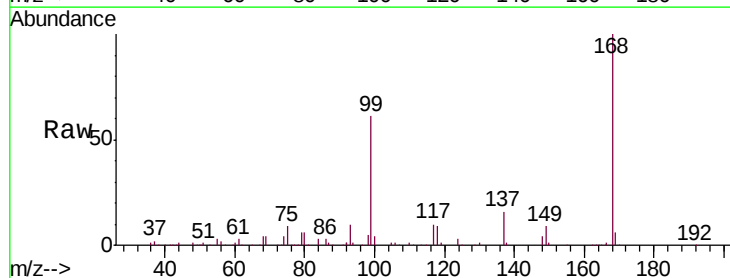
Tgt Ion: 75 Resp: 18131

Ion Ratio Lower Upper

75 100

110 9.2 15.6 46.8#

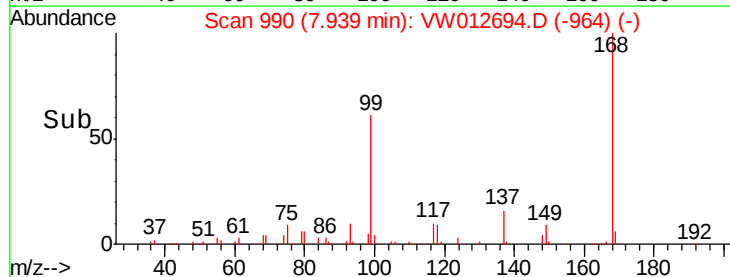
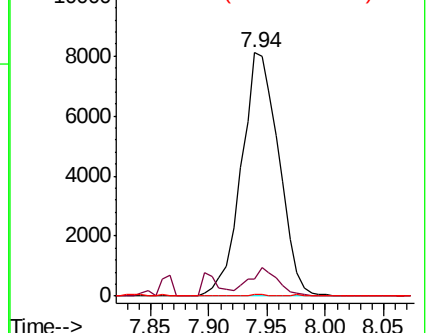
77 0.2 24.6 36.8#

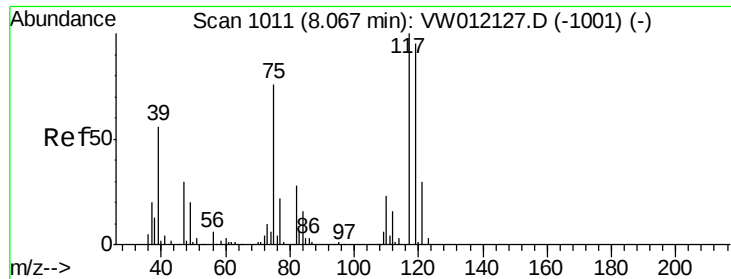


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.076 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

T12-A3-(0)

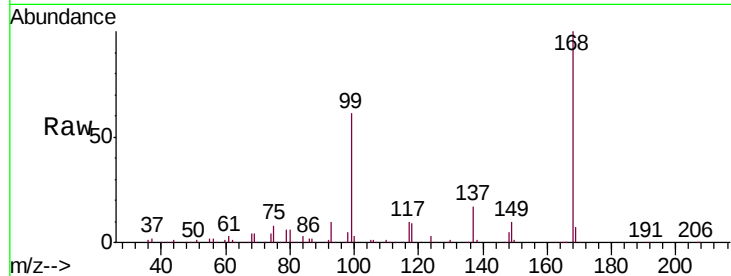
Tgt Ion:117 Resp: 22153

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

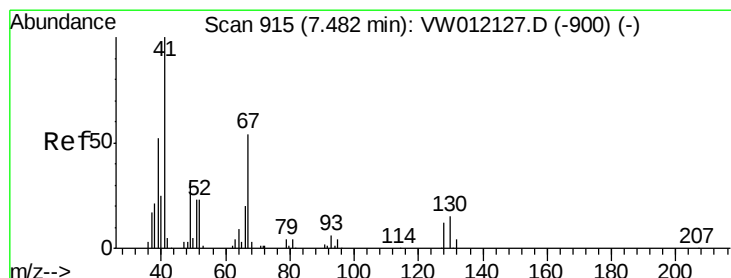
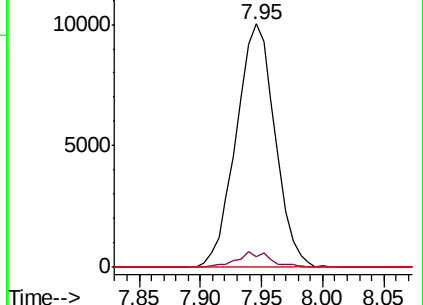
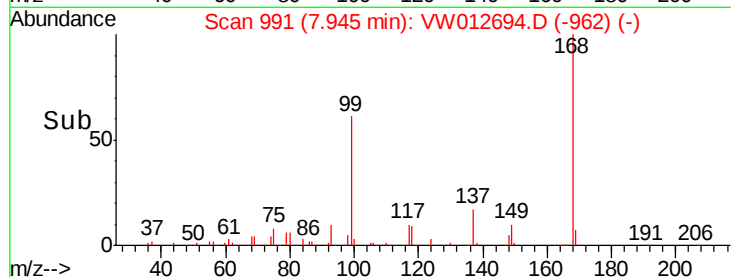
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.658 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Tgt Ion: 41 Resp: 3096

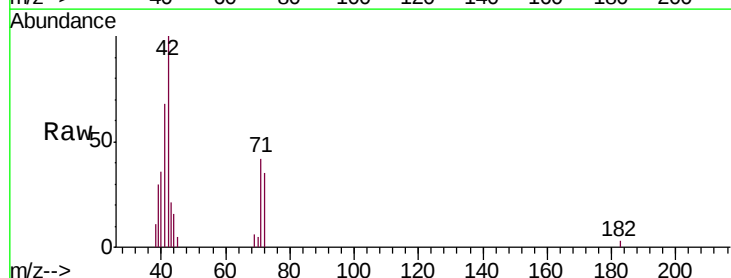
Ion Ratio Lower Upper

41 100

39 26.1 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

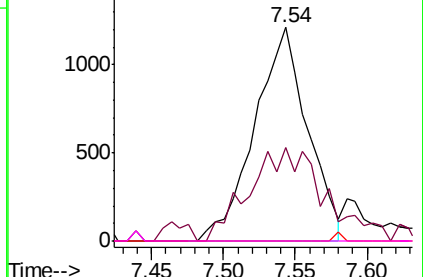
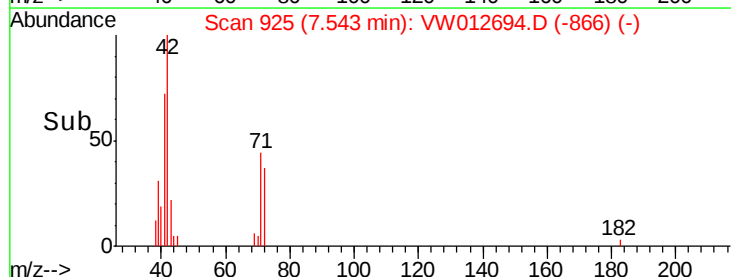


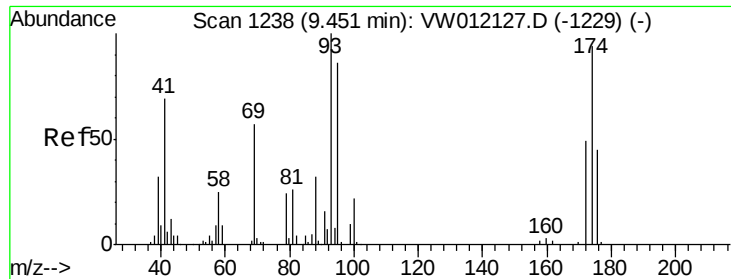
Abundance Ion 41.00 (40.70 to 41.70): VW

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

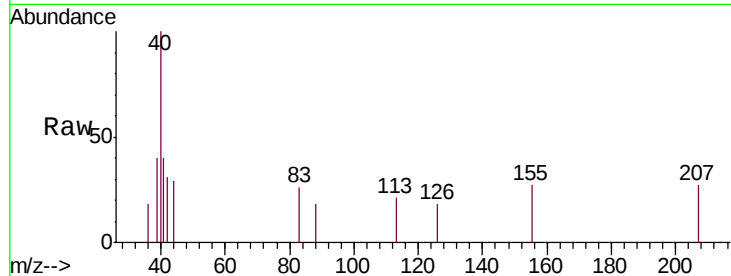




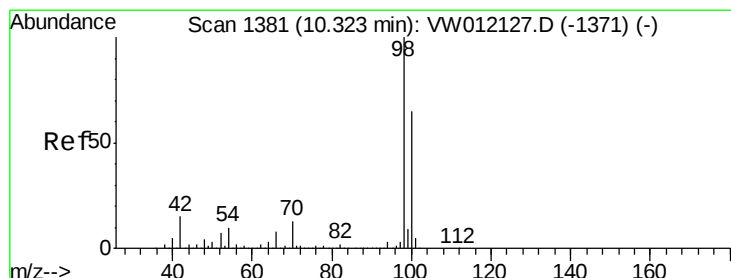
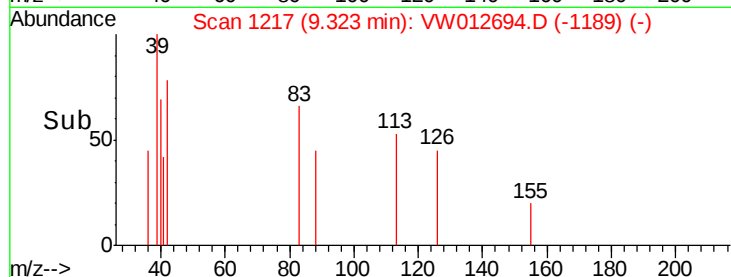
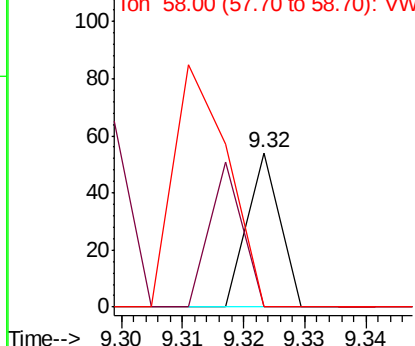
#49
 1,4-Dioxane
 Concen: 1.105 ug/l
 RT: 9.32 min Scan# 1217
 Delta R.T. -0.13 min
 Lab File: VW012694.D
 Acq: 06 Sep 2019 16:25

Instrument :
 MSVOA_W
 ClientSampled :
 T12-A3-(0)

Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 95.0 32.9 49.3#
 58 260.0 71.0 106.4#

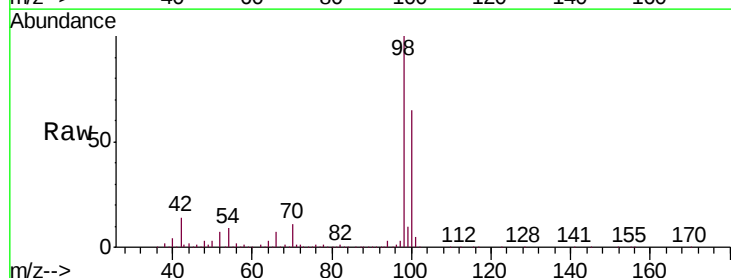


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

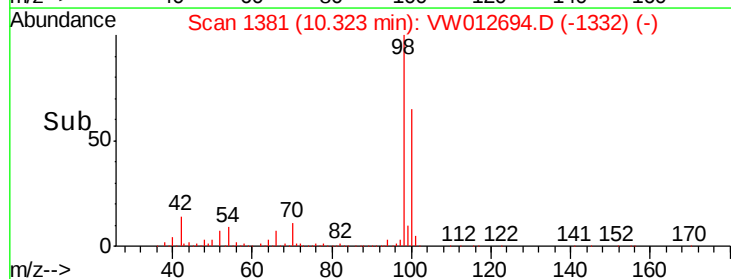
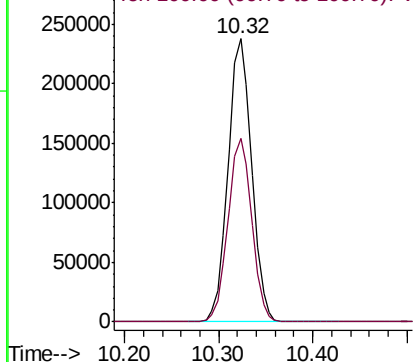


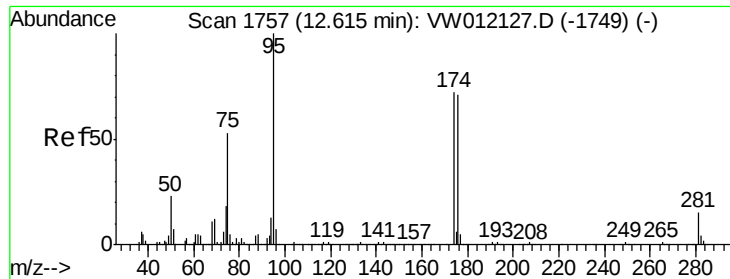
#50
 Toluene-d8
 Concen: 48.917 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012694.D
 Acq: 06 Sep 2019 16:25

Tgt Ion: 98 Resp: 414404
 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

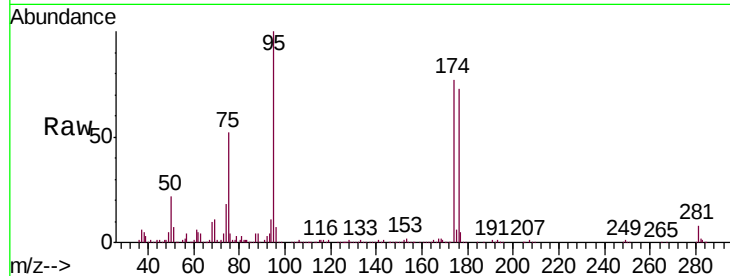




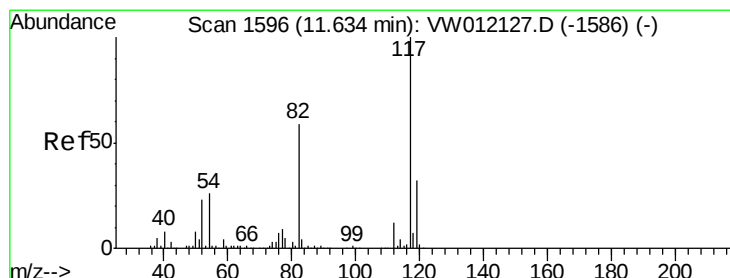
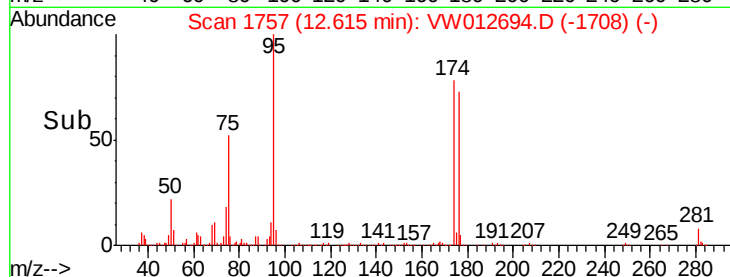
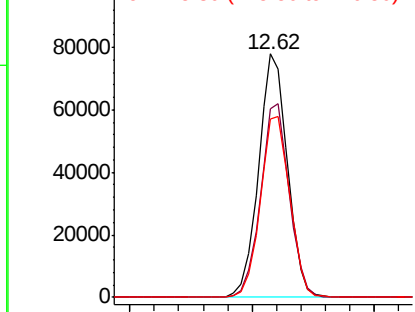
#62
4-Bromofluorobenzene
Concen: 42.781 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
T12-A3-(0)

Tgt Ion: 95 Resp: 127753
Ion Ratio Lower Upper
95 100
174 78.9 0.0 150.8
176 75.6 0.0 148.6

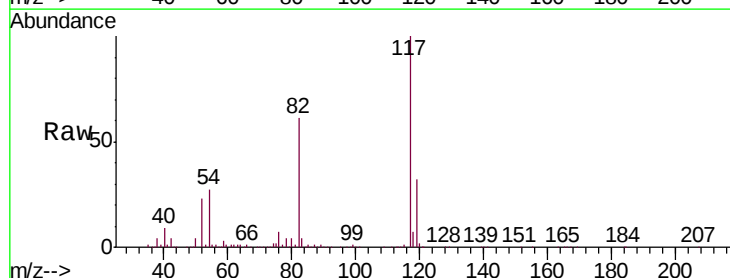


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

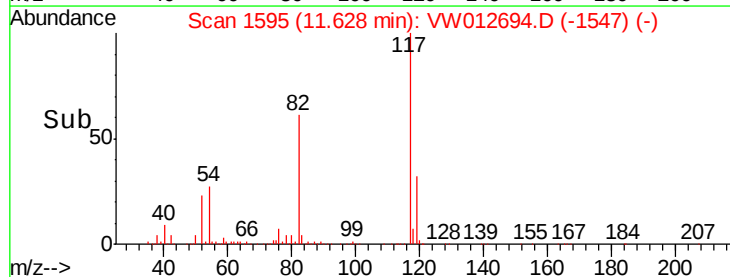
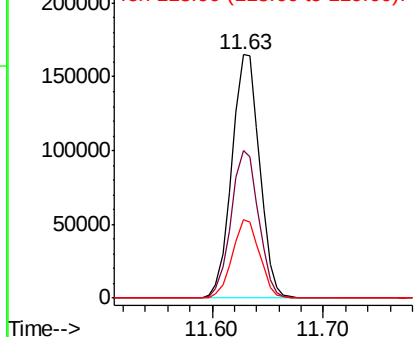


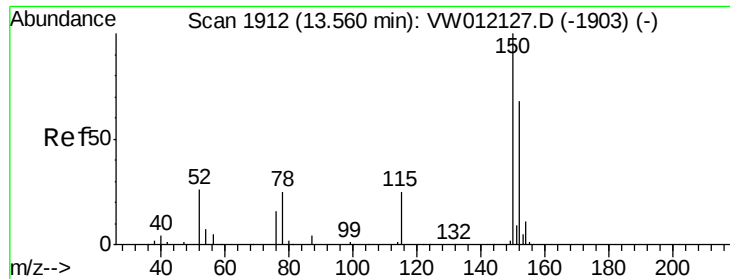
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

Tgt Ion: 117 Resp: 284655
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



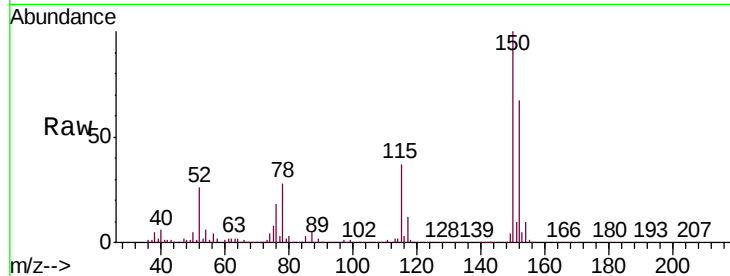


#72

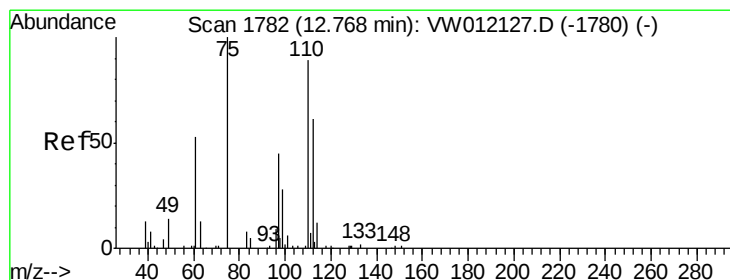
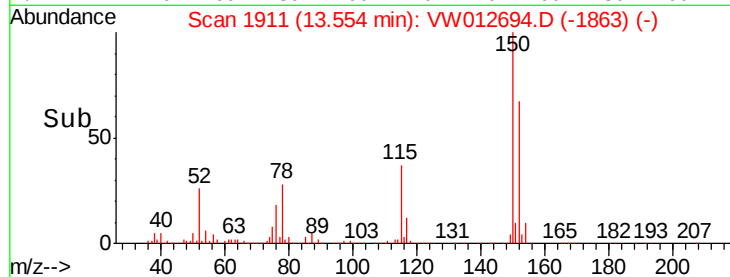
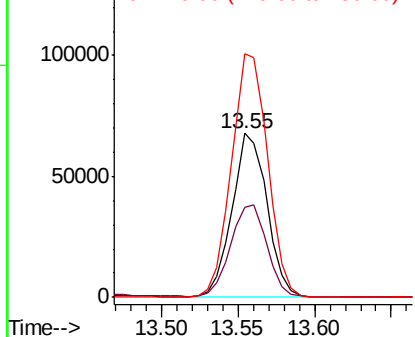
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
T12-A3-(0)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.1	90.3
150	154.4	0.0	345.8



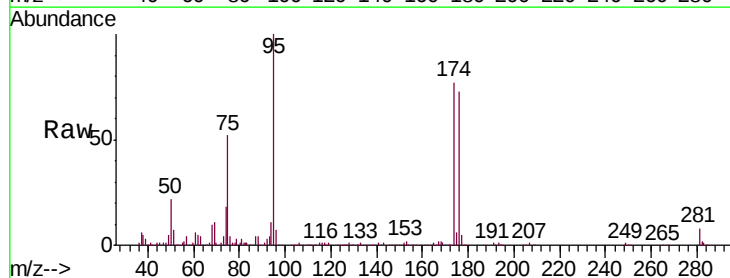
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



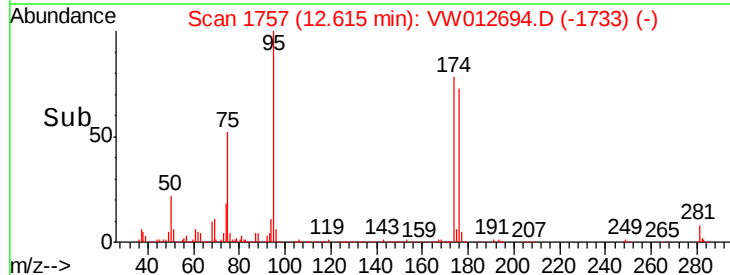
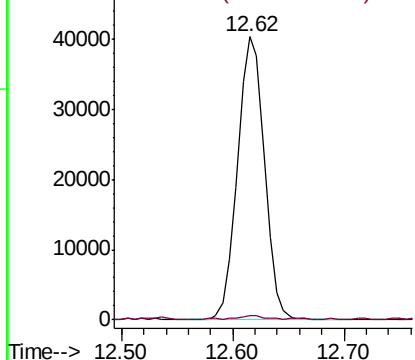
#76

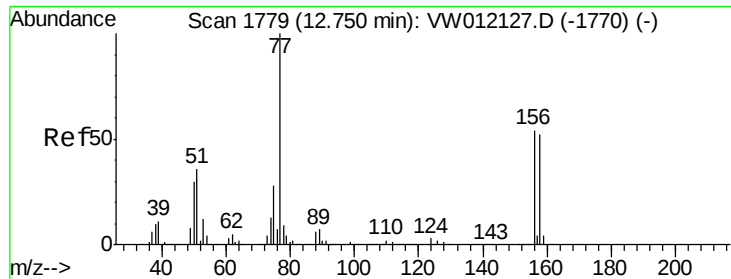
1,2,3-Trichloropropane
Concen: 64.684 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012694.D
Acq: 06 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 31.549 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

T12-A3-(0)

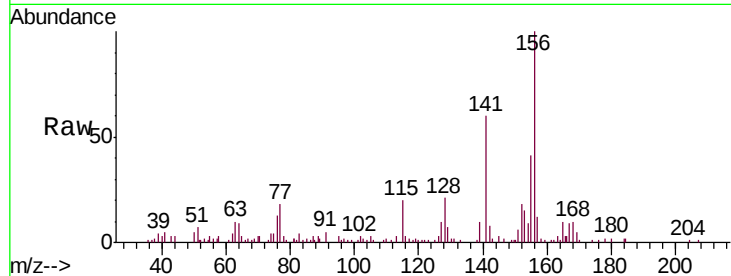
Tgt Ion:156 Resp: 54818

Ion Ratio Lower Upper

156 100

77 9.2 107.3 321.8#

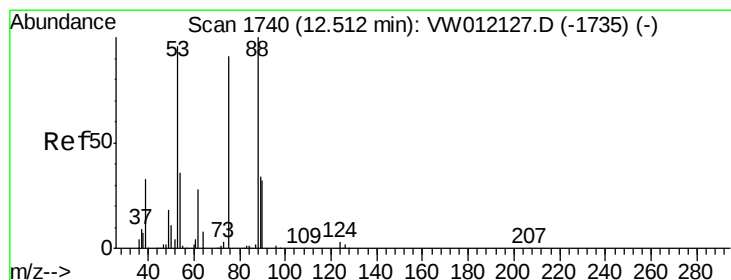
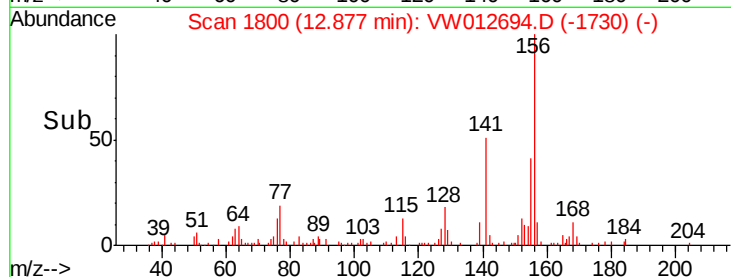
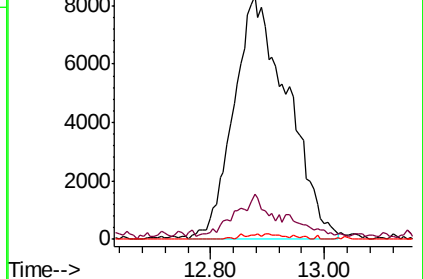
158 0.2 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 141.822 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

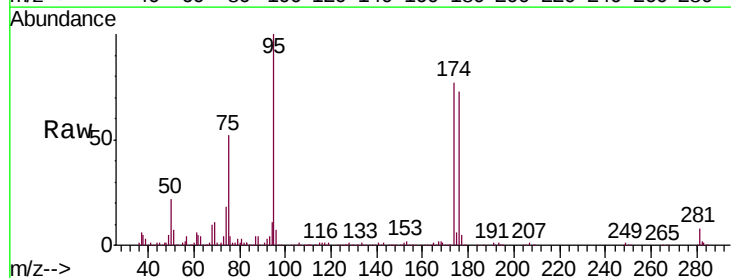
Tgt Ion: 75 Resp: 67524

Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

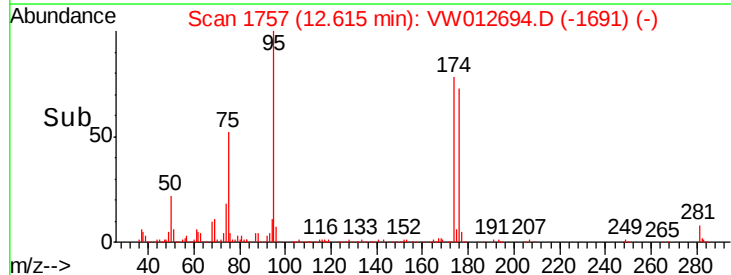
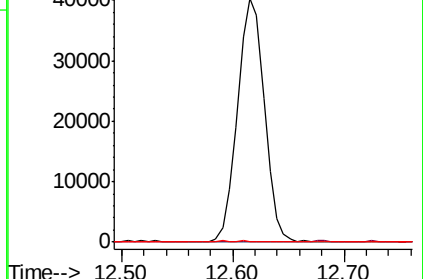
89 0.0 34.5 51.7#

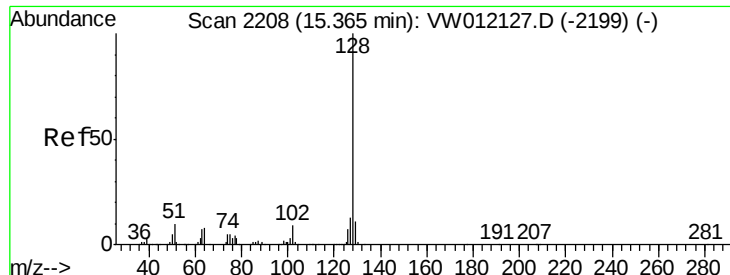


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.537 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012694.D

Acq: 06 Sep 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

T12-A3-(0)

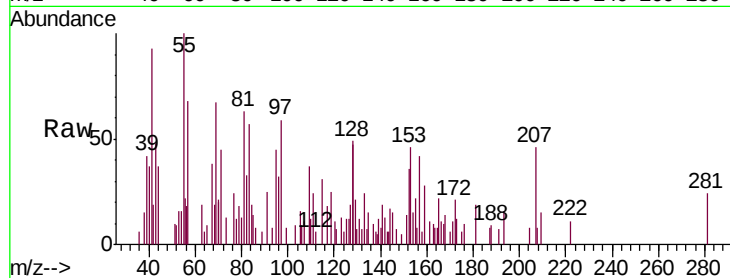
Tgt Ion:128 Resp: 957

Ion Ratio Lower Upper

128 100

127 24.3 10.7 16.1#

129 33.3 8.7 13.1#



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

