

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012145.D
 Acq On : 23 Aug 2019 20:41
 Operator : SY/VA
 Sample : K4474-07
 Misc : 5.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(0)

Quant Time: Aug 26 07:30:33 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	195624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	203197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44938	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	122254	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	7.88	113	99671	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	10.32	98	365407	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.62	95	72259	27.06	ug/l	0.00
Spiked Amount			Recovery	=	54.12%	

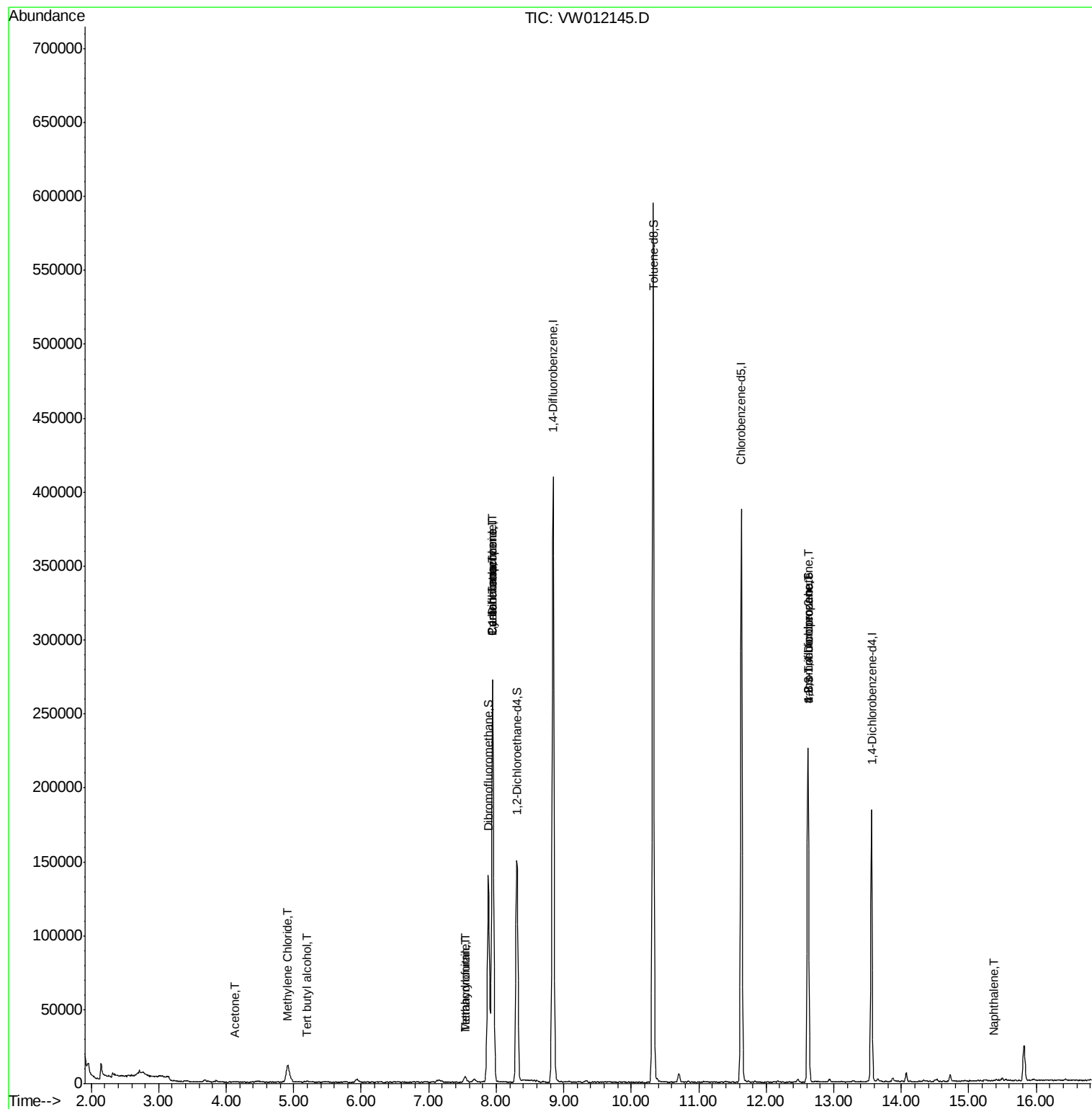
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1320	9.432	ug/l #	90
16) Acetone	4.14	43	992	1.669	ug/l #	47
20) Methylene Chloride	4.90	84	8455	3.762	ug/l	92
29) Tetrahydrofuran	7.54	42	3189	6.580	ug/l	98
31) Cyclohexane	7.95	56	5437	1.298	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	17010	5.258	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20396	7.284	ug/l #	17
41) Methacrylonitrile	7.54	41	2503	2.402	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	38683	88.385	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38683	193.788	ug/l #	6
95) Naphthalene	15.36	128	202	4.430	ug/l #	69

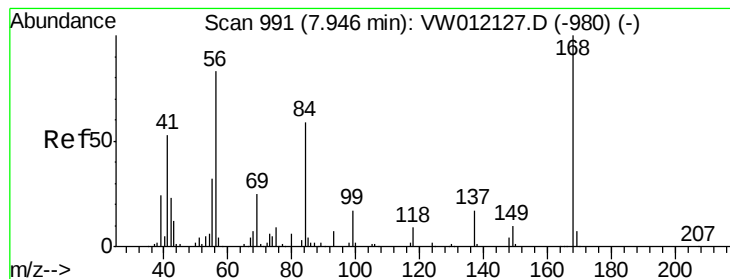
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
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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# 991

Delta R.T. 0.00 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

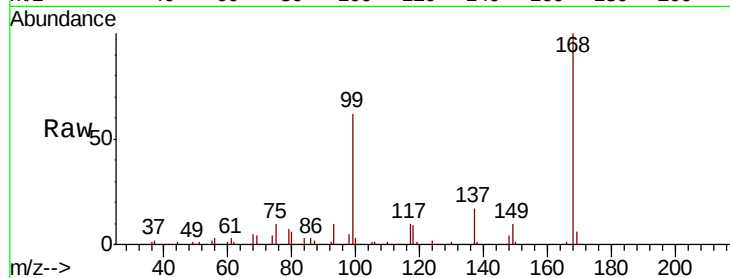
T1-2-F4-(0)

Tgt Ion:168 Resp: 195624

Ion Ratio Lower Upper

168 100

99 62.5 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

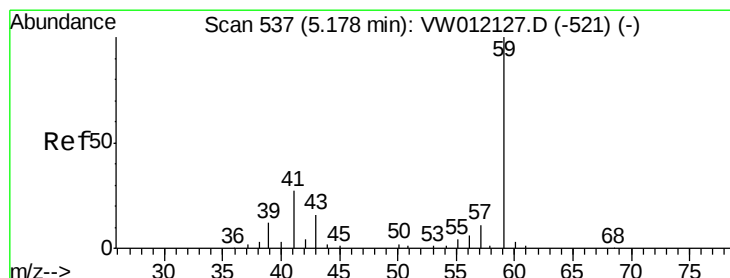
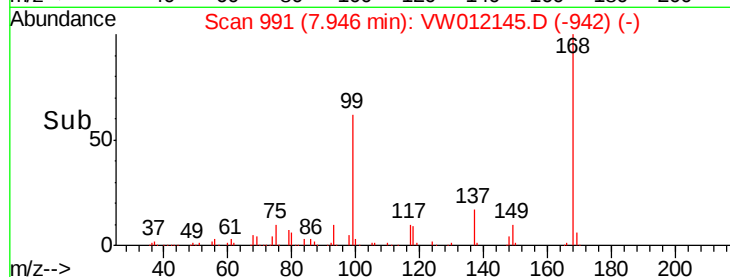
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.432 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012145.D

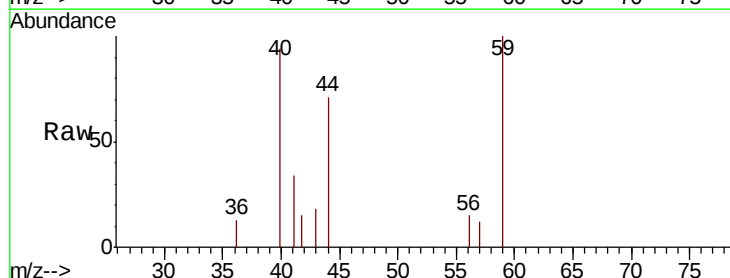
Acq: 23 Aug 2019 20:41

Tgt Ion: 59 Resp: 1320

Ion Ratio Lower Upper

59 100

57 7.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

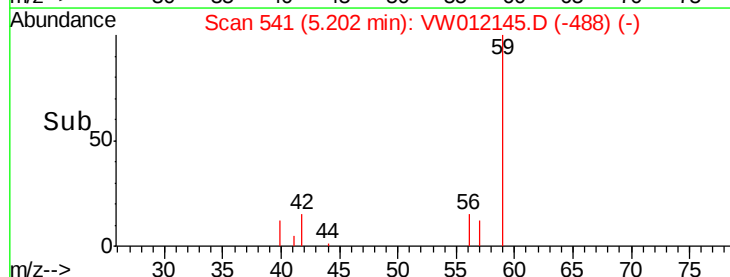
300

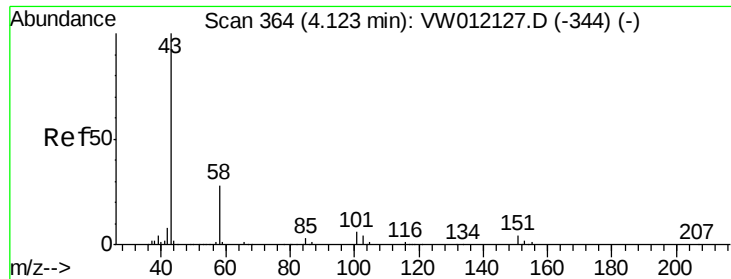
200

100

0

Time-->

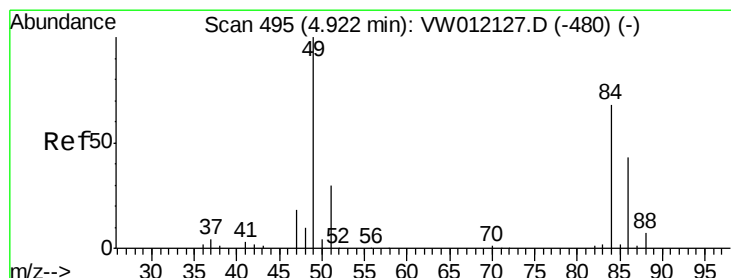
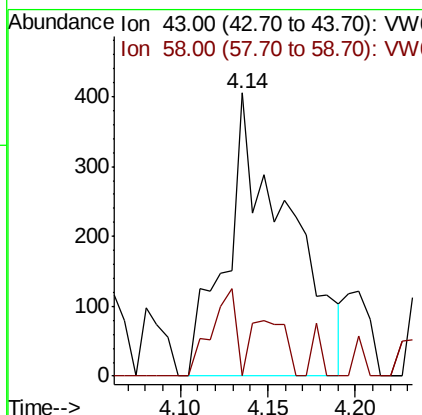
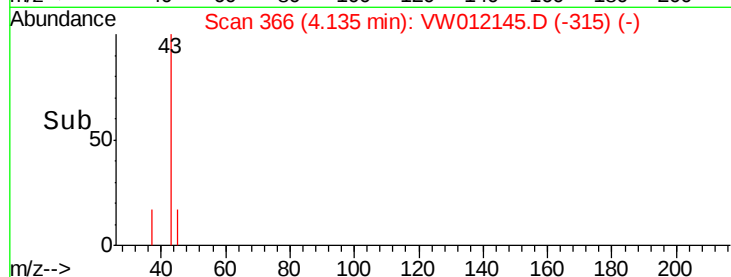
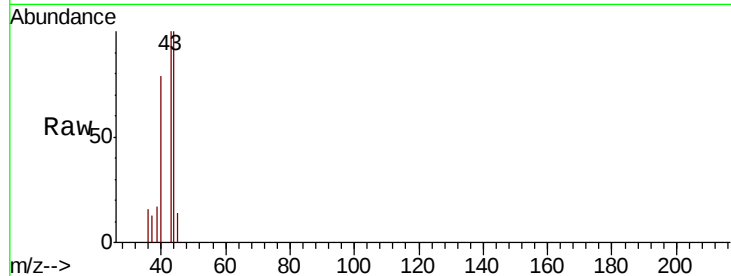




#16
Acetone
Concen: 1.669 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

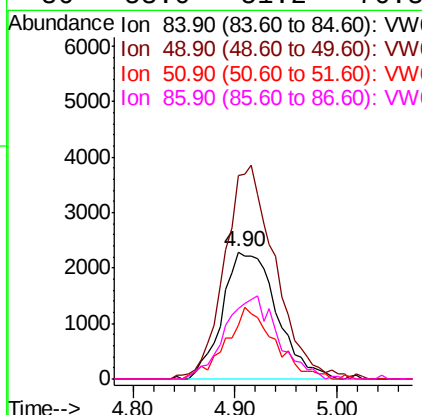
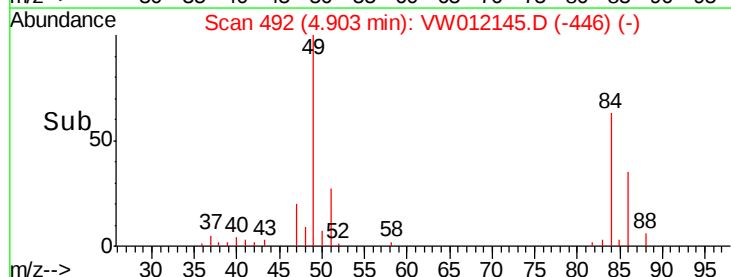
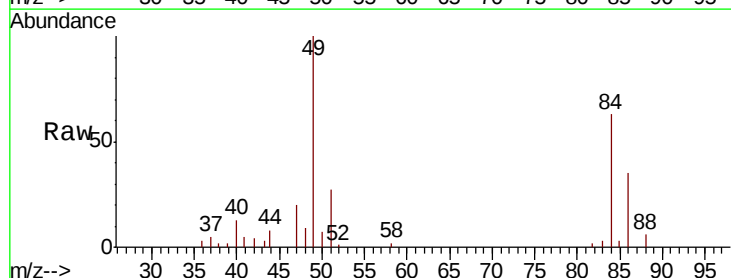
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)

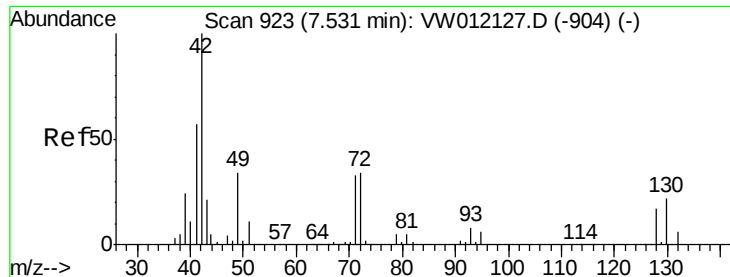
Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#20
Methylene Chloride
Concen: 3.762 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

Tgt Ion: 84 Resp: 8455
Ion Ratio Lower Upper
84 100
49 155.2 117.8 176.8
51 42.7 35.6 53.4
86 53.0 51.2 76.8





#29

Tetrahydrofuran

Concen: 6.580 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

Instrument :

MSVOA_W

ClientSampled :

T1-2-F4-(0)

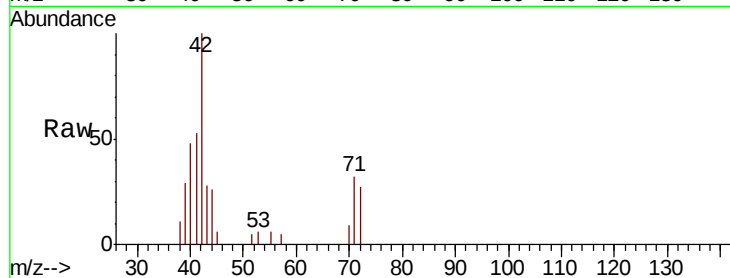
Tgt Ion: 42 Resp: 3189

Ion Ratio Lower Upper

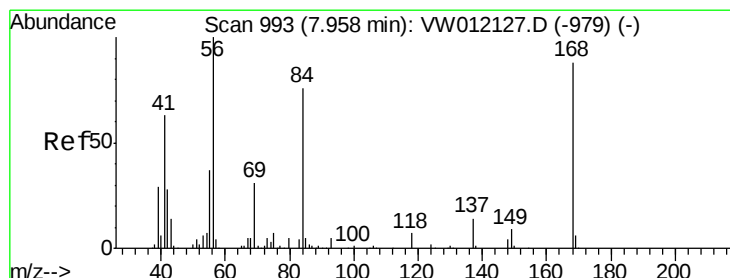
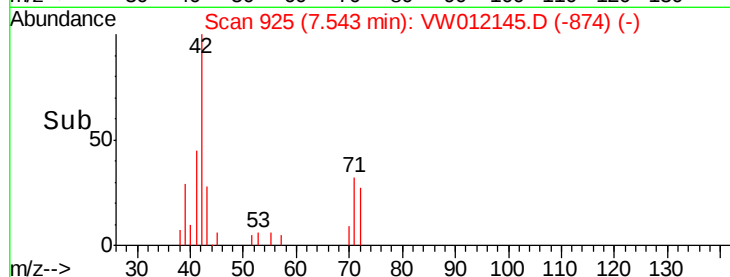
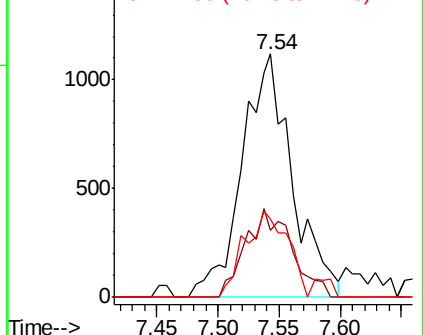
42 100

72 33.3 27.3 40.9

71 30.3 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

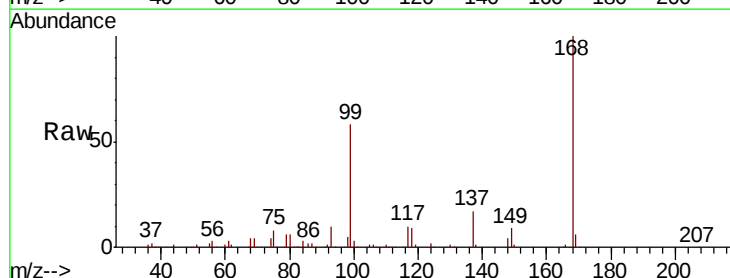
Tgt Ion: 56 Resp: 5437

Ion Ratio Lower Upper

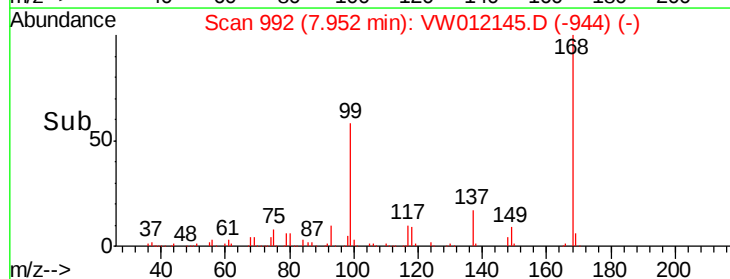
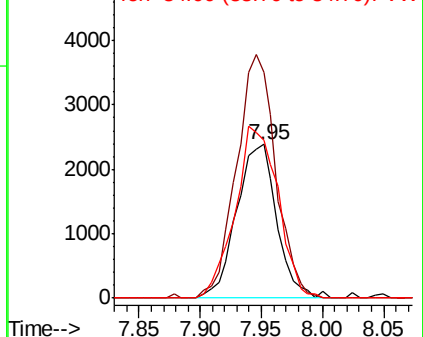
56 100

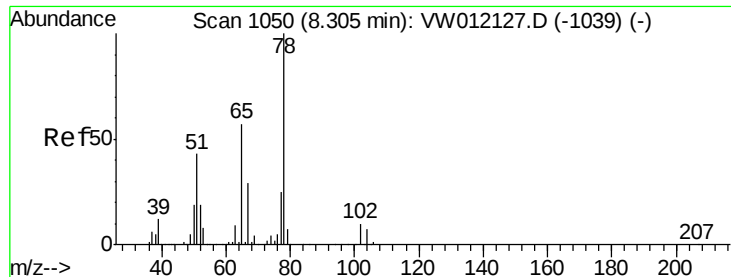
69 147.0 24.9 37.3#

84 102.5 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

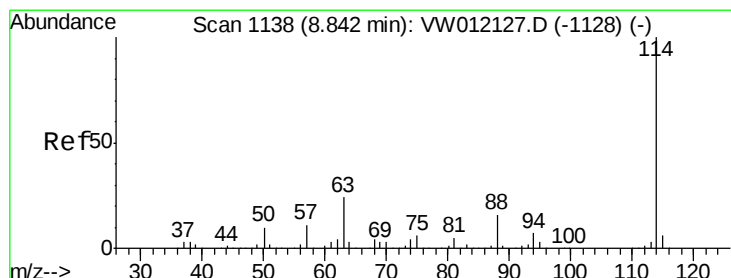
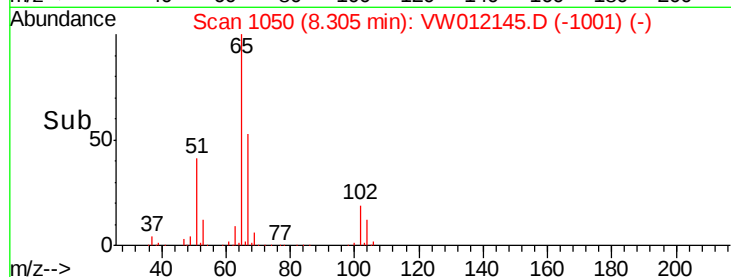
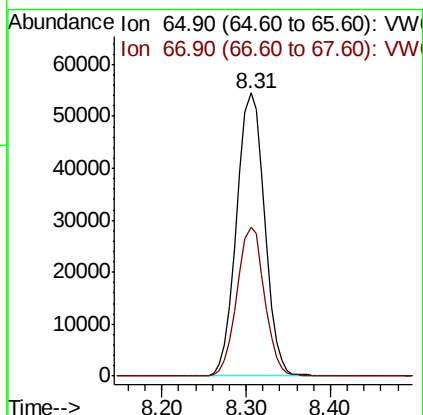
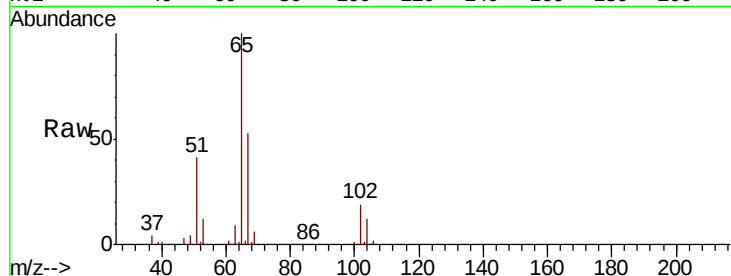




#33
 1,2-Dichloroethane-d4
 Concen: 52.571 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012145.D
 Acq: 23 Aug 2019 20:41

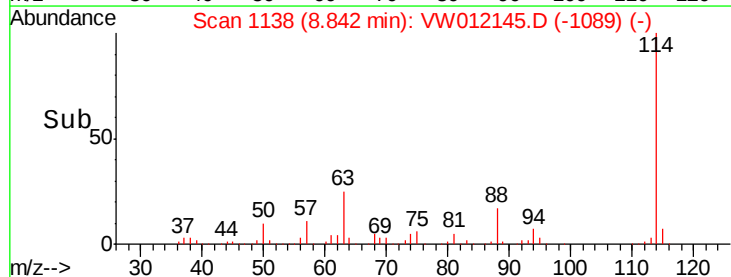
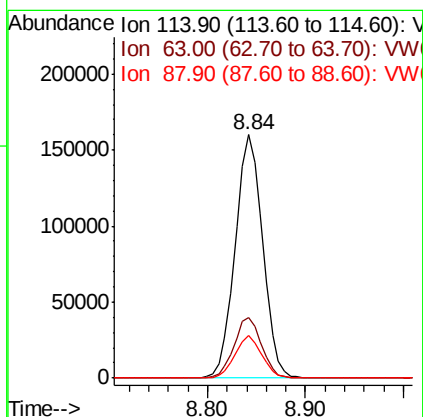
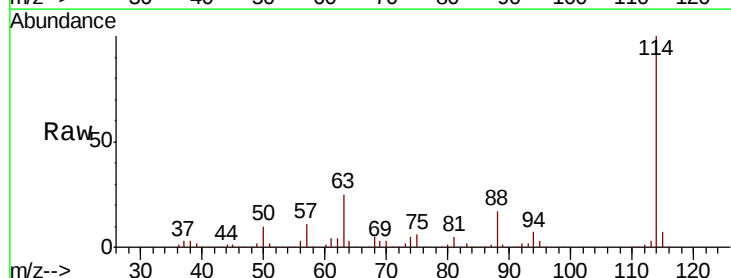
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(0)

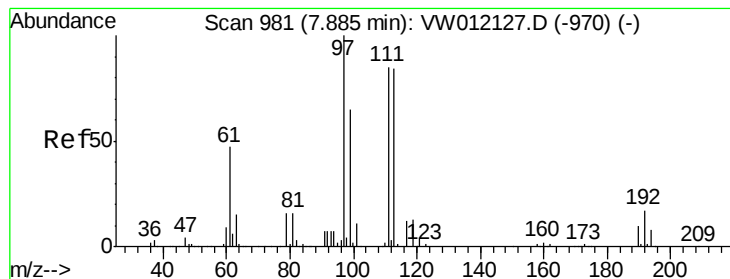
Tgt Ion: 65 Resp: 122254
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012145.D
 Acq: 23 Aug 2019 20:41

Tgt Ion: 114 Resp: 313053
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 17.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.339 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

Instrument :

MSVOA_W

ClientSampled :

T1-2-F4-(0)

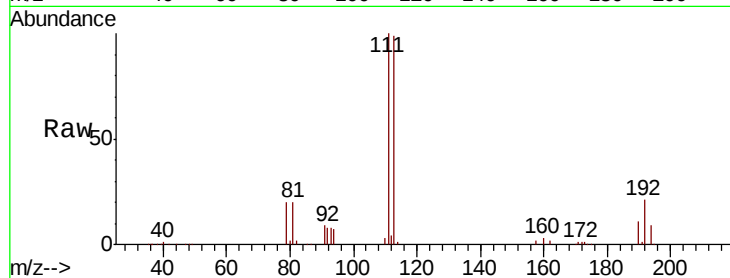
Tgt Ion:113 Resp: 99671

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

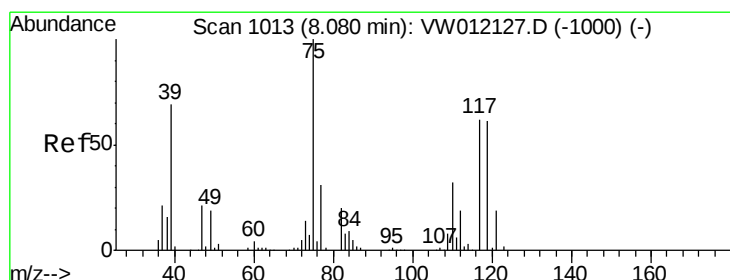
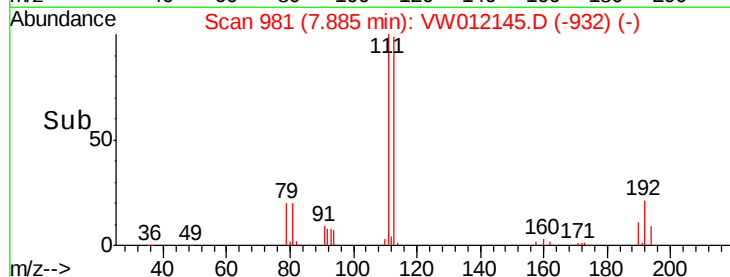
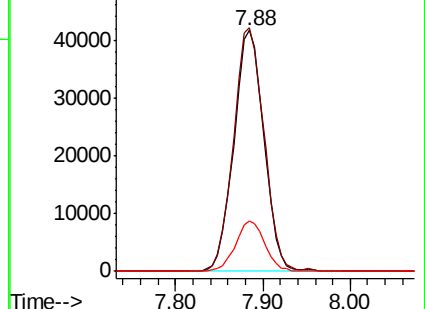
192 20.2 16.2 24.2



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: 5.258 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

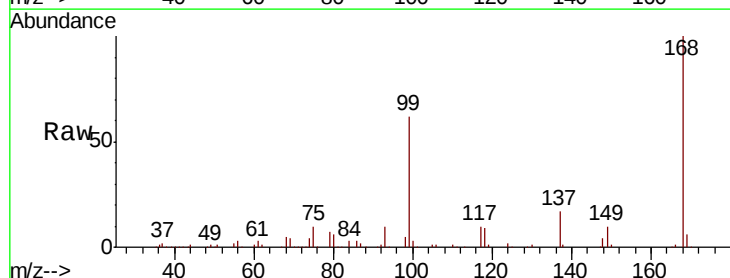
Tgt Ion: 75 Resp: 17010

Ion Ratio Lower Upper

75 100

110 9.1 15.6 46.8#

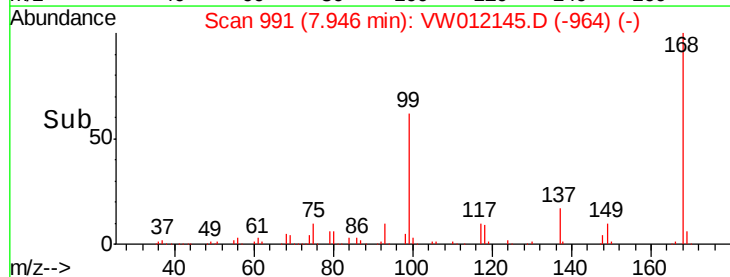
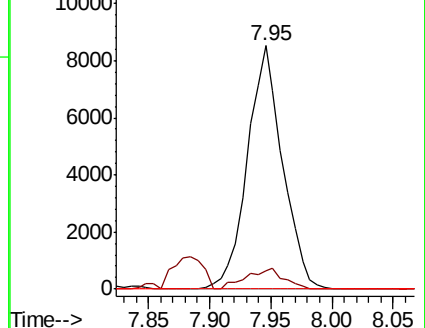
77 0.0 24.6 36.8#

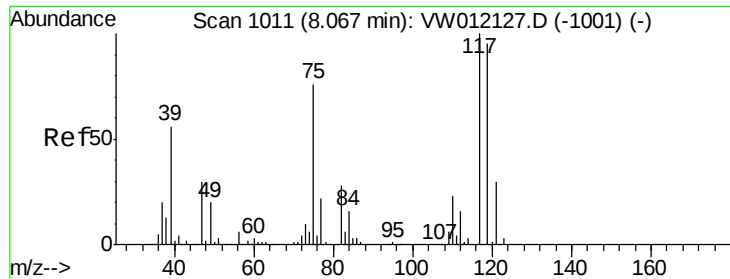


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

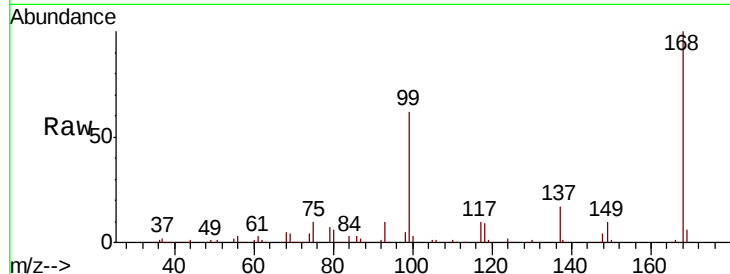




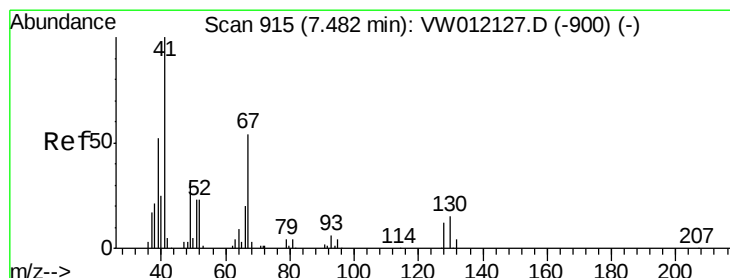
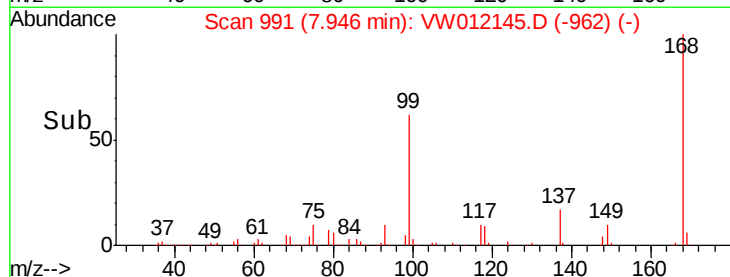
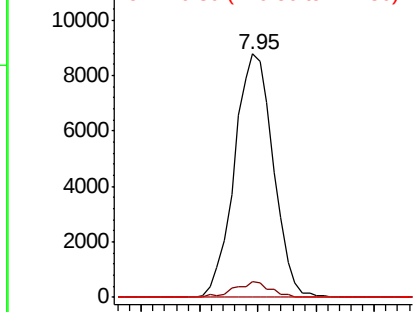
#38
Carbon Tetrachloride
Concen: 7.284 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)

Tgt Ion: 117 Resp: 20396
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 23.8 35.8#

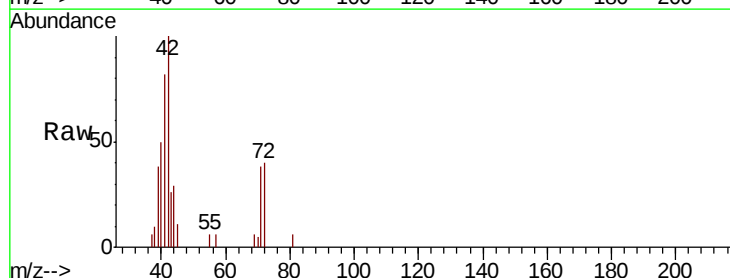


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

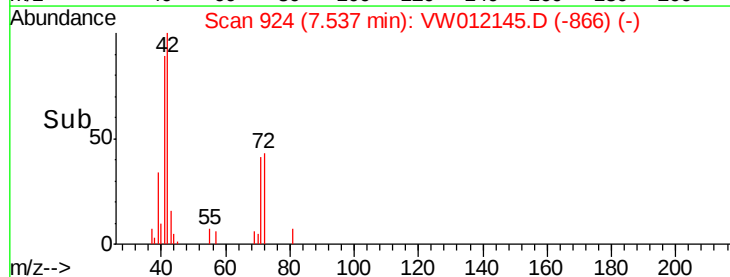
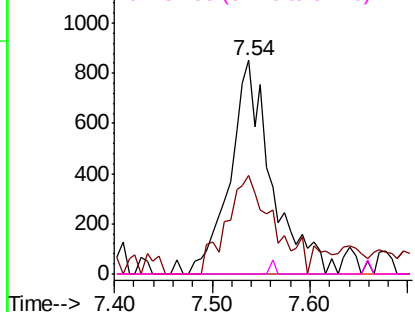


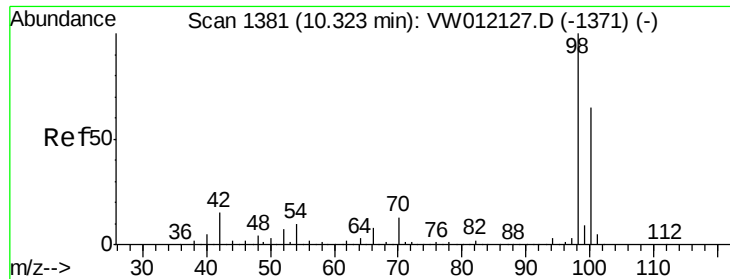
#41
Methacrylonitrile
Concen: 2.402 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

Tgt Ion: 41 Resp: 2503
Ion Ratio Lower Upper
41 100
39 51.6 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





#50

Toluene-d8

Concen: 48.228 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

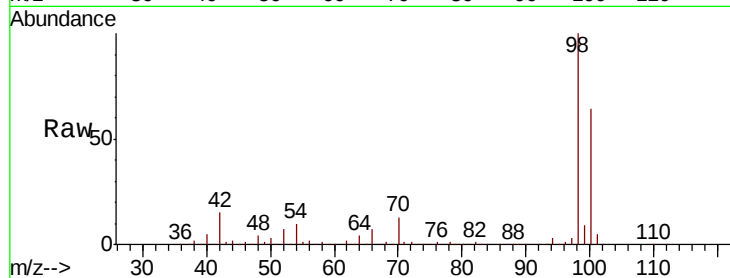
T1-2-F4-(0)

Tgt Ion: 98 Resp: 365407

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

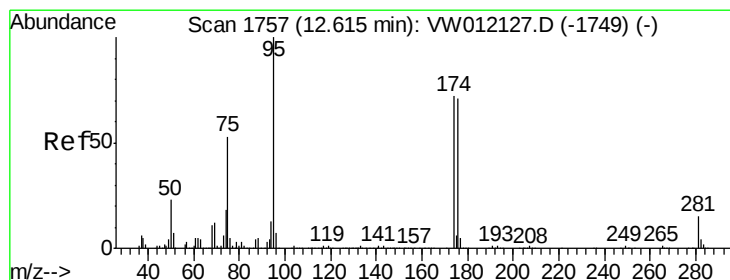
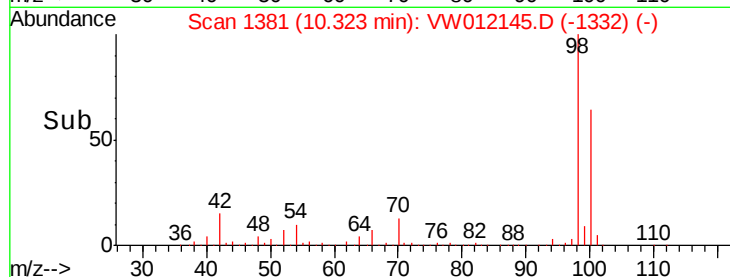
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 27.055 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

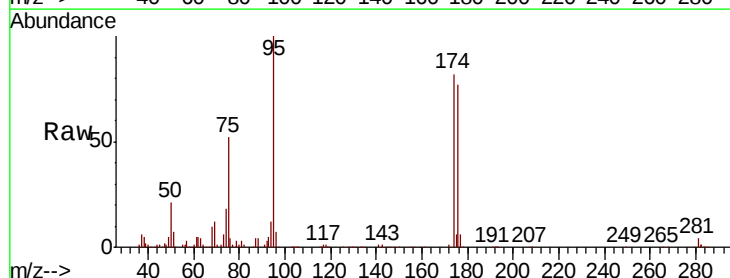
Tgt Ion: 95 Resp: 72259

Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.8

176 74.2 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

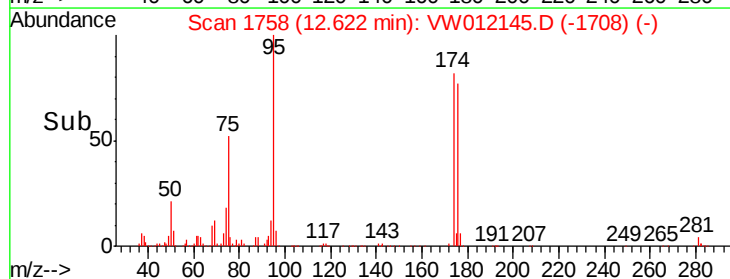
30000

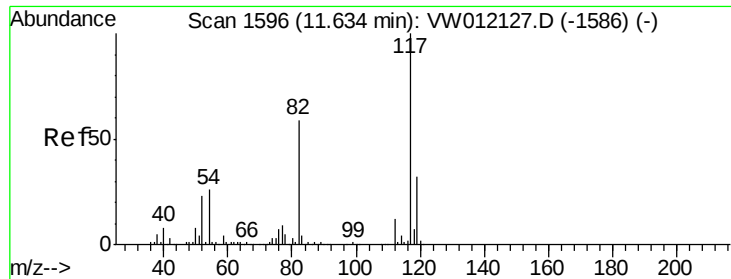
20000

10000

0

Time-->

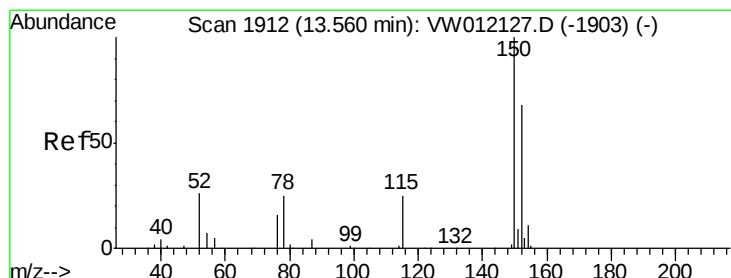
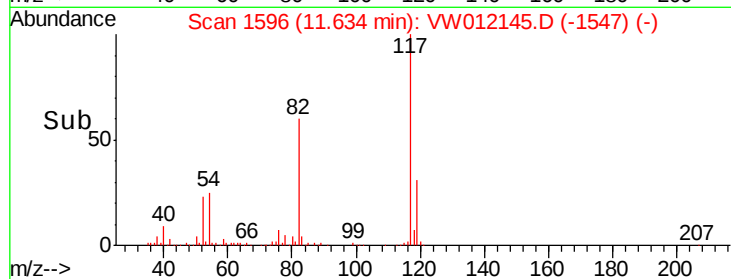
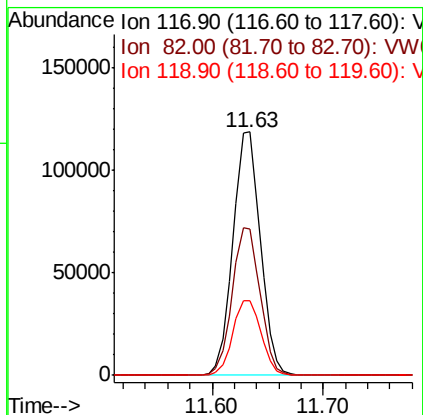
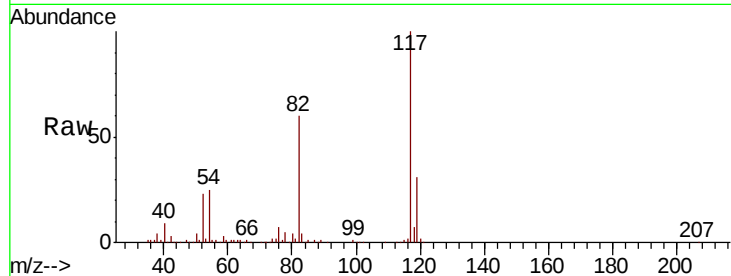




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

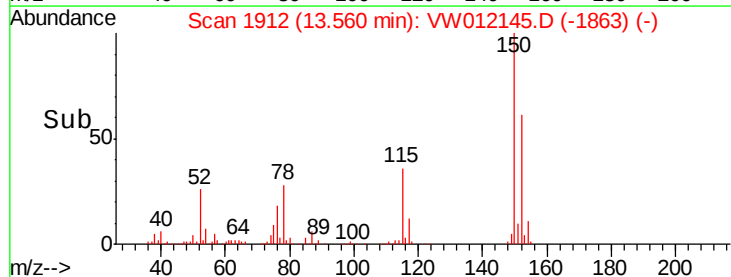
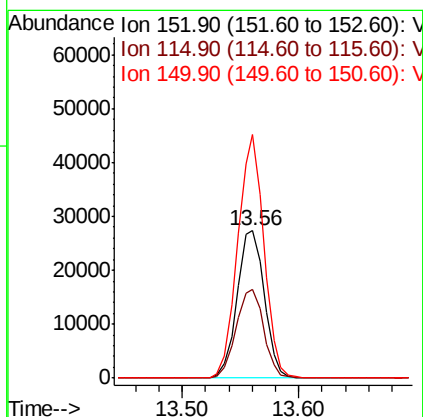
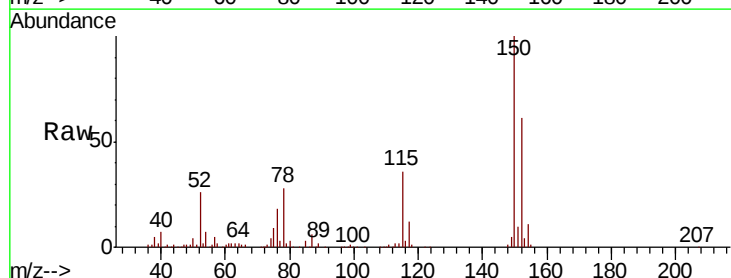
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)

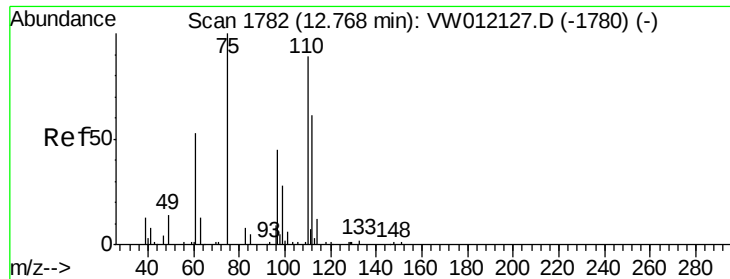
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.4	71.2
119	30.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	157.7	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 88.385 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

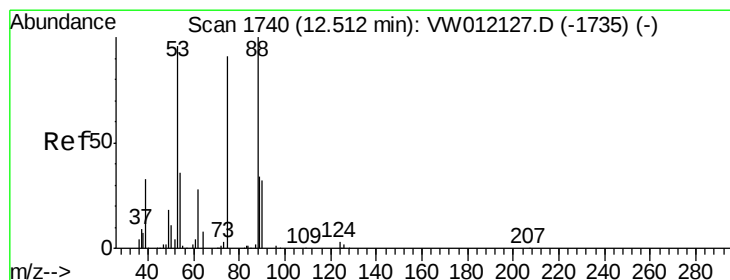
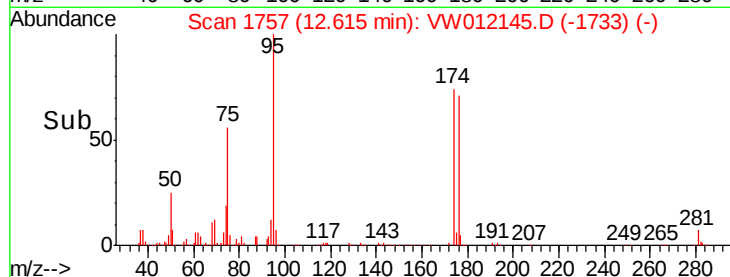
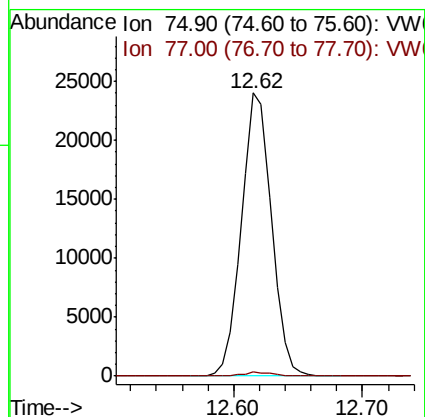
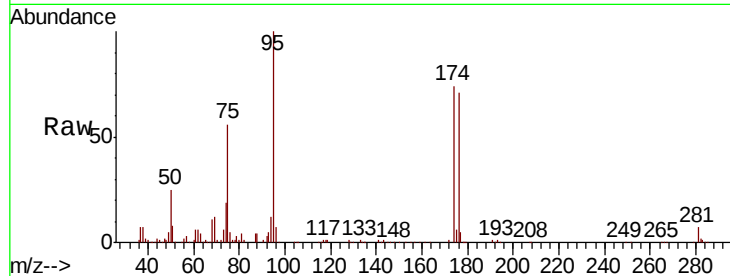
T1-2-F4-(0)

Tgt Ion: 75 Resp: 38683

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 193.788 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012145.D

Acq: 23 Aug 2019 20:41

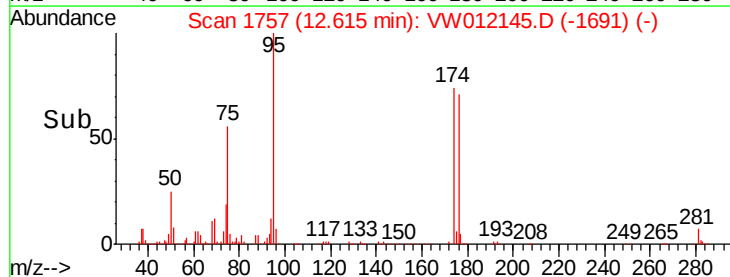
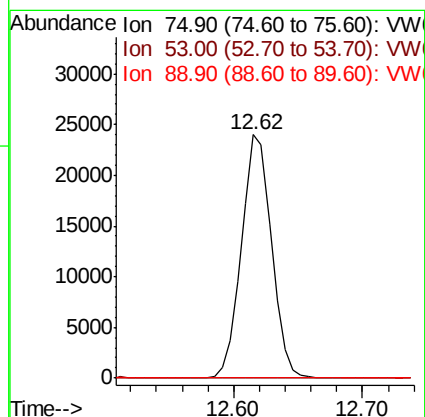
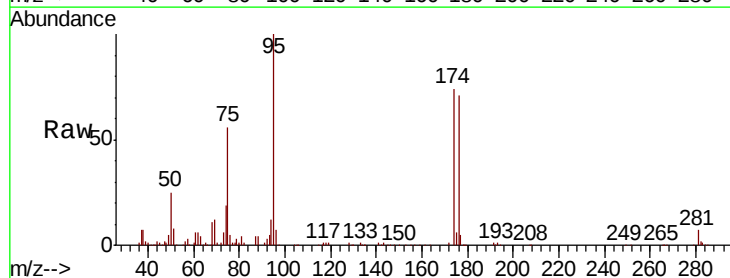
Tgt Ion: 75 Resp: 38683

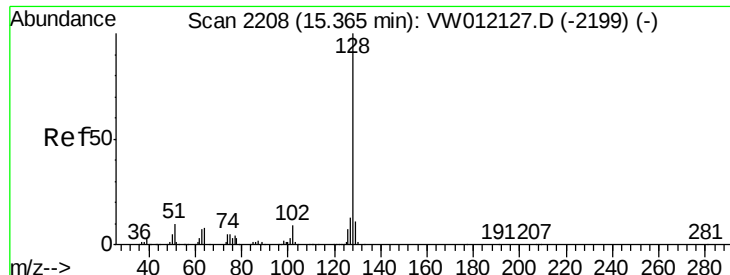
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#

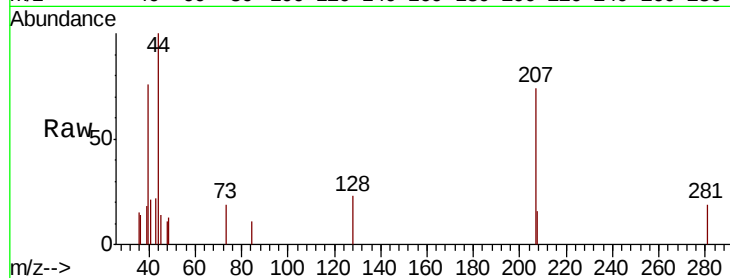




#95
Naphthalene
Concen: 4.430 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012145.D
Acq: 23 Aug 2019 20:41

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	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

