

Data File : VW012418.D
Acq On : 01 Sep 2019 00:11
Operator : SY/VA
Sample : K4517-10
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(0)

Quant Time: Sep 01 03:40:15 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	236091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151896	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.88	113	121910	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.32	98	473245	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	142527	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

Target Compounds

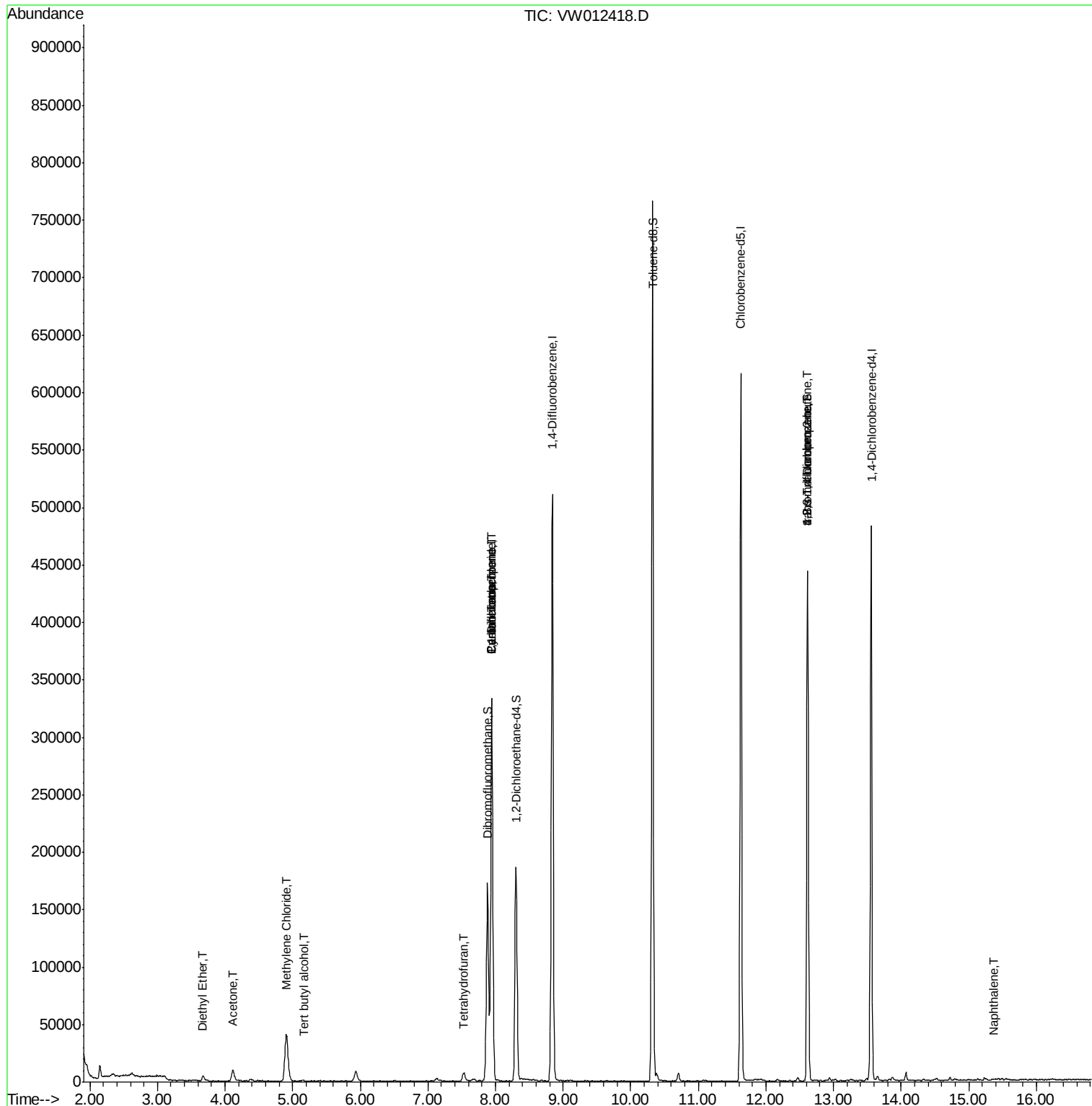
						Qvalue
8) Diethyl Ether	3.67	74	2203	1.677	ug/l	74
11) Tert butyl alcohol	5.17	59	559	3.310	ug/l #	92
16) Acetone	4.11	43	18366	25.600	ug/l	97
20) Methylene Chloride	4.90	84	29705	10.953	ug/l	98
29) Tetrahydrofuran	7.52	42	6413	10.965	ug/l	99
31) Cyclohexane	7.95	56	6254	1.237	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20731	5.073	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24582	6.950	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	78275	67.476	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78275	147.944	ug/l #	6
95) Naphthalene	15.36	128	671	4.458	ug/l #	73

(#) = 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: VW012418.D

Acq: 01 Sep 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

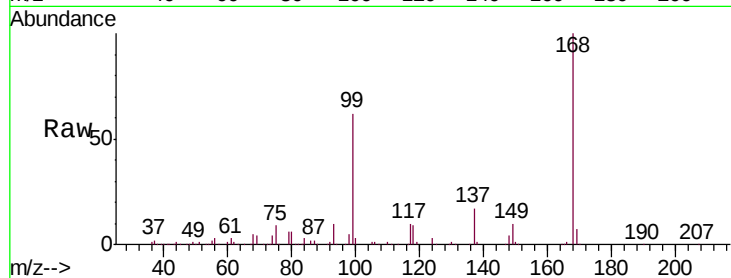
T4-S-D4-(0)

Tgt Ion:168 Resp: 236091

Ion Ratio Lower Upper

168 100

99 61.6 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

120000

100000

80000

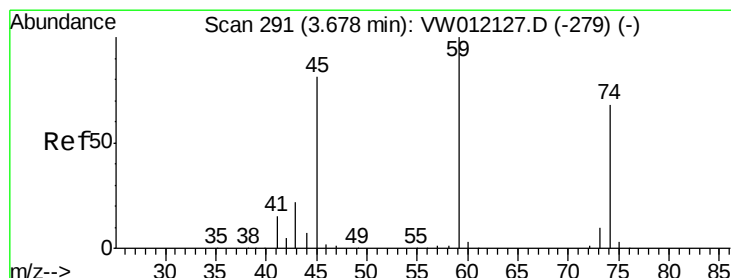
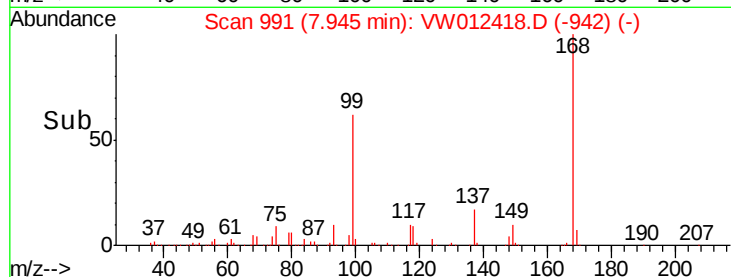
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.677 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012418.D

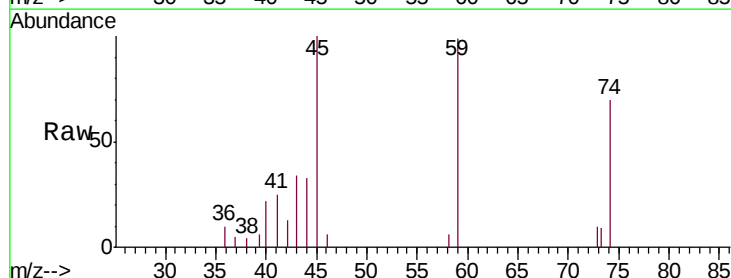
Acq: 01 Sep 2019 00:11

Tgt Ion: 74 Resp: 2203

Ion Ratio Lower Upper

74 100

45 147.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

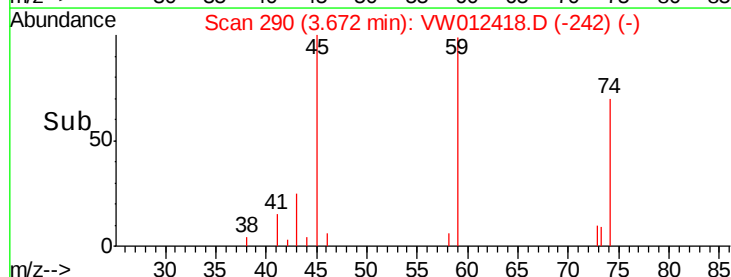
3.67

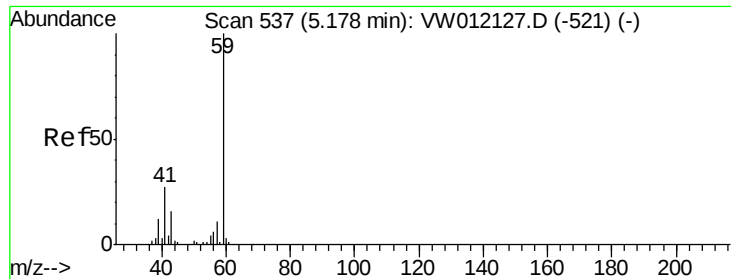
1000

500

0

Time-->

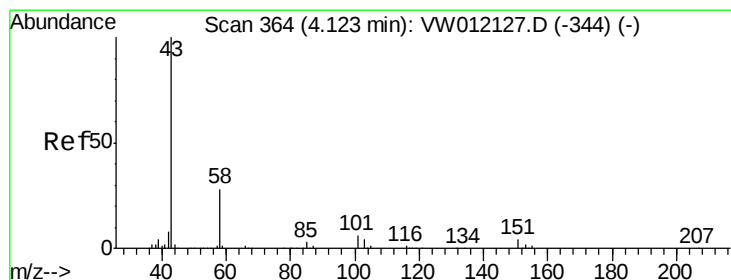
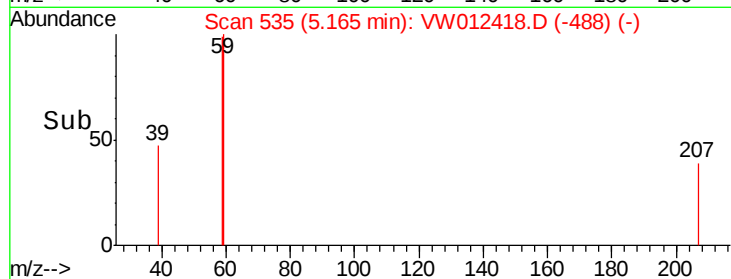
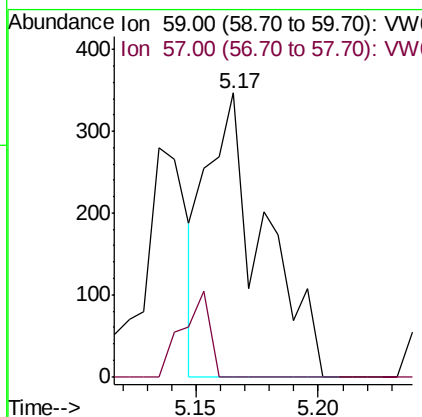
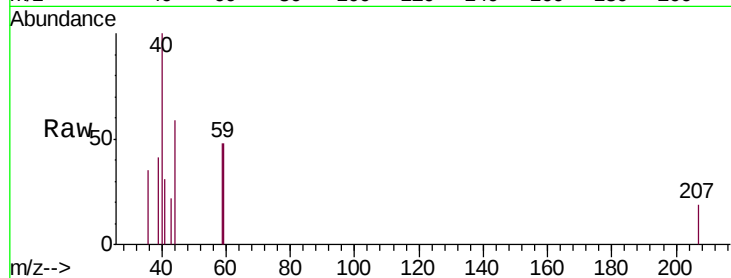




#11
Tert butyl alcohol
Concen: 3.310 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

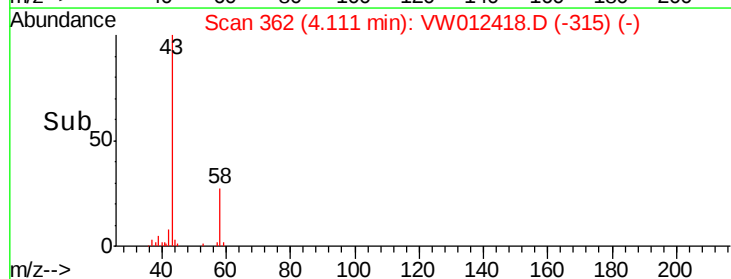
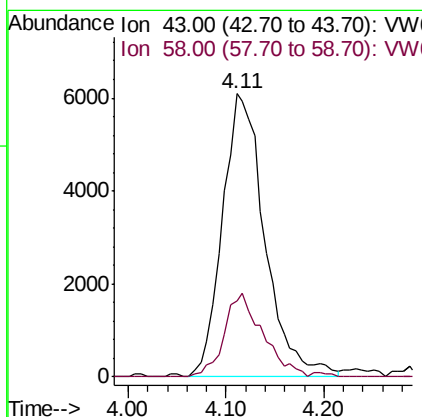
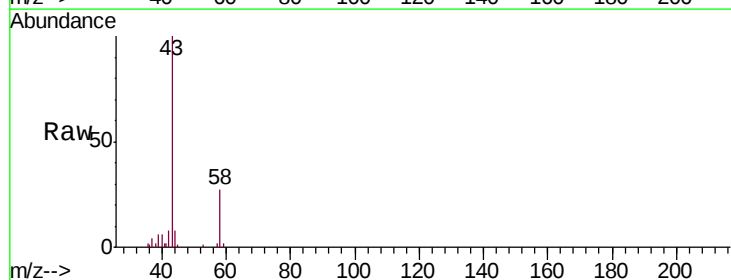
Instrument :
MSVOA_W
ClientSampled :
T4-S-D4-(0)

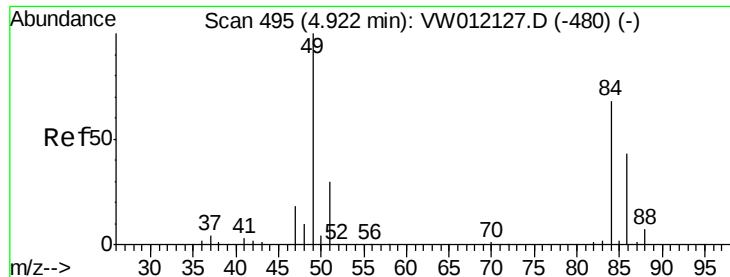
Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 14.3 9.0 13.4#



#16
Acetone
Concen: 25.600 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

Tgt Ion: 43 Resp: 18366
Ion Ratio Lower Upper
43 100
58 26.6 22.4 33.6

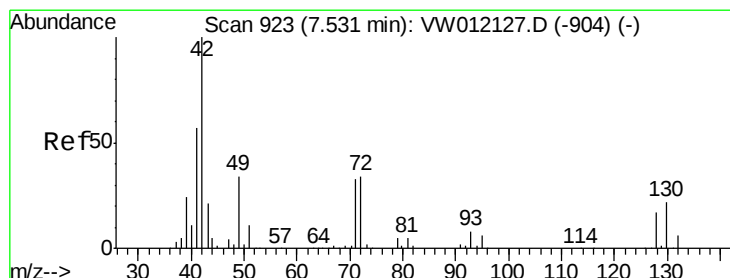
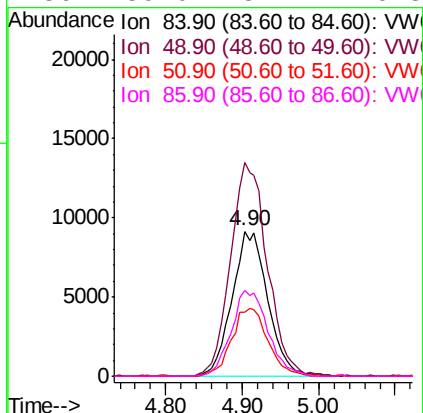
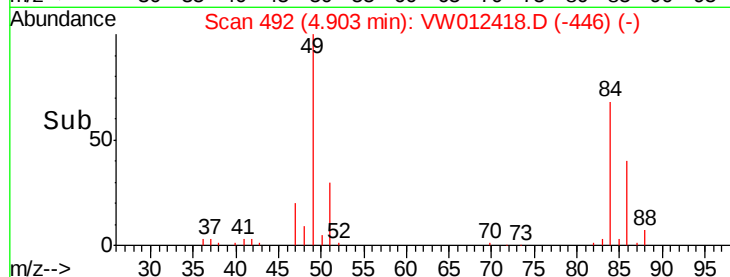
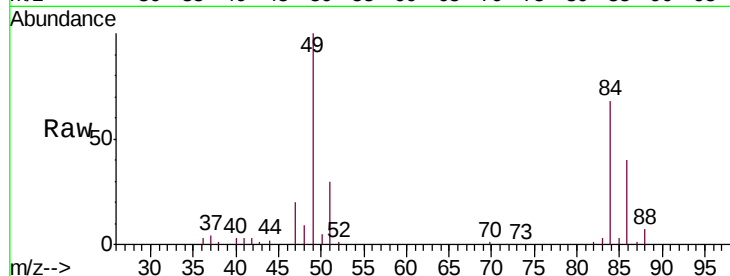




#20
Methylene Chloride
Concen: 10.953 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

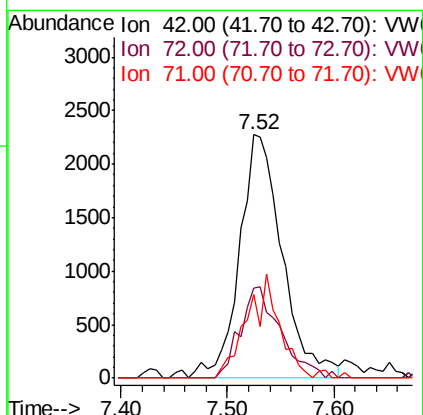
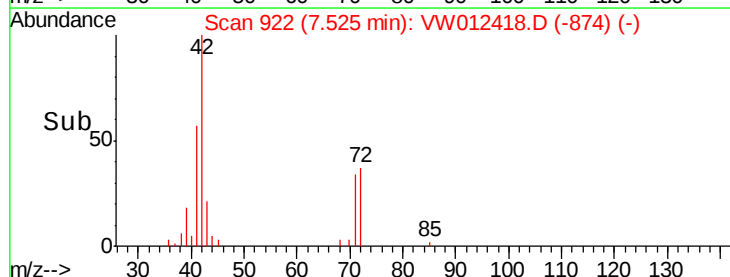
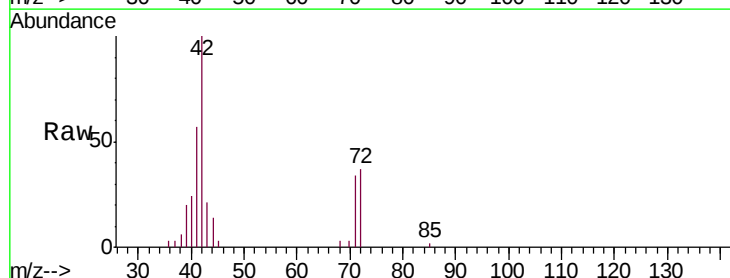
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(0)

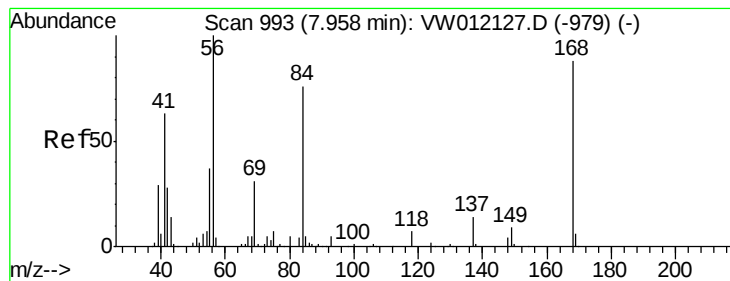
Tgt Ion:	84	Resp:	29705
Ion	Ratio	Lower	Upper
84	100		
49	147.6	117.8	176.8
51	44.5	35.6	53.4
86	59.0	51.2	76.8



#29
Tetrahydrofuran
Concen: 10.965 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

Tgt Ion:	42	Resp:	6413
Ion	Ratio	Lower	Upper
42	100		
72	35.3	27.3	40.9
71	32.3	25.5	38.3





#31

Cyclohexane

Concen: 1.237 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D4-(0)

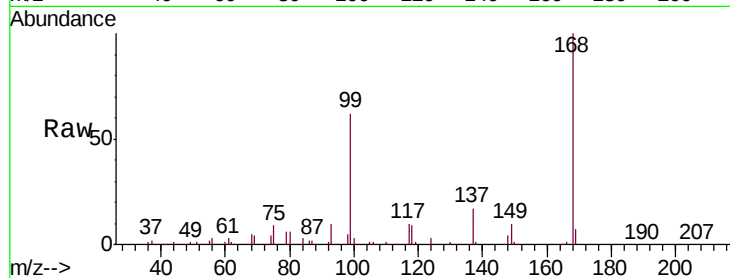
Tgt Ion: 56 Resp: 6254

Ion Ratio Lower Upper

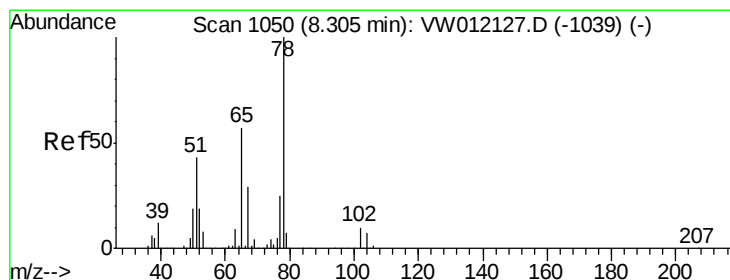
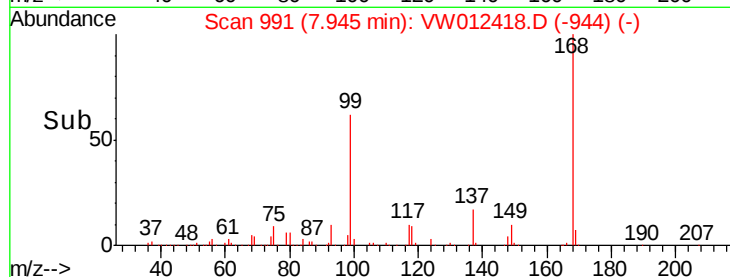
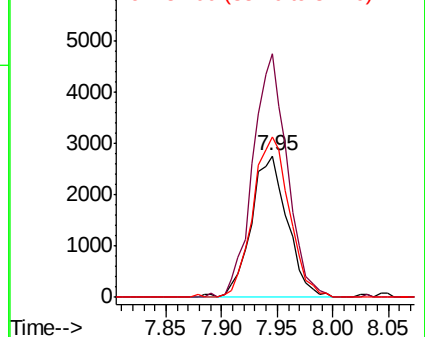
56 100

69 172.1 24.9 37.3#

84 113.0 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: 54.122 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012418.D

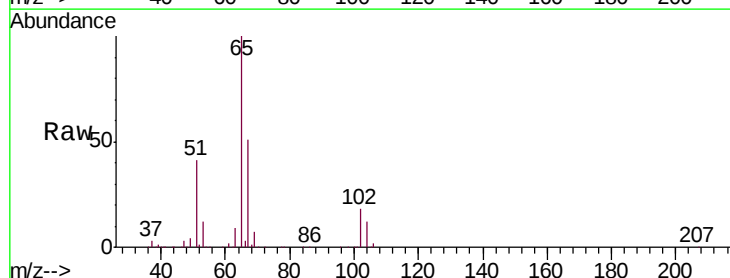
Acq: 01 Sep 2019 00:11

Tgt Ion: 65 Resp: 151896

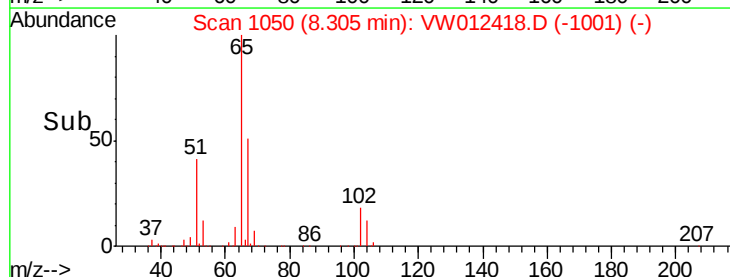
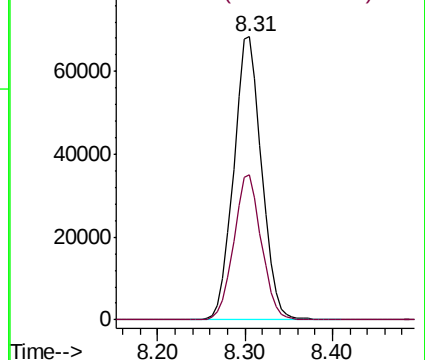
Ion Ratio Lower Upper

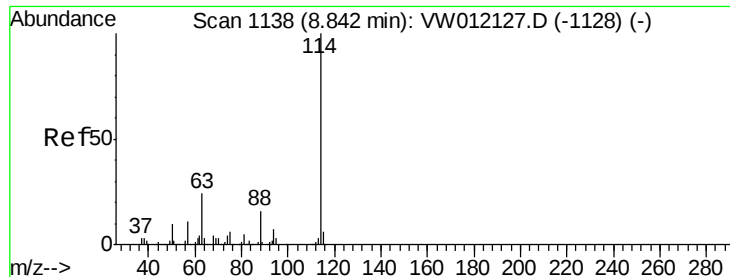
65 100

67 50.6 0.0 102.6



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

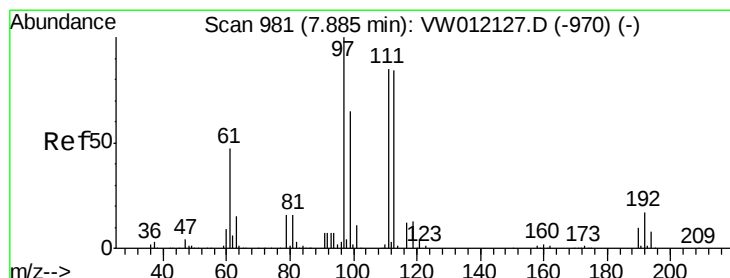
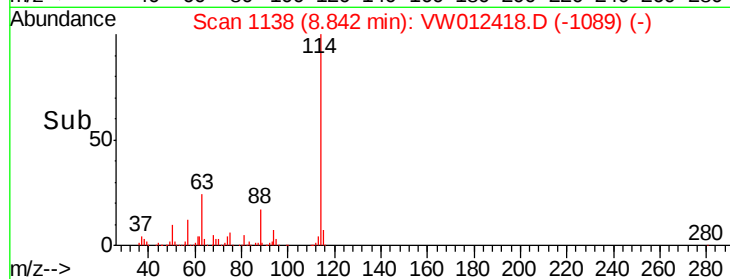
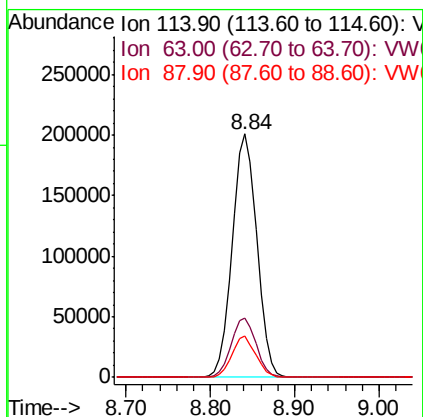
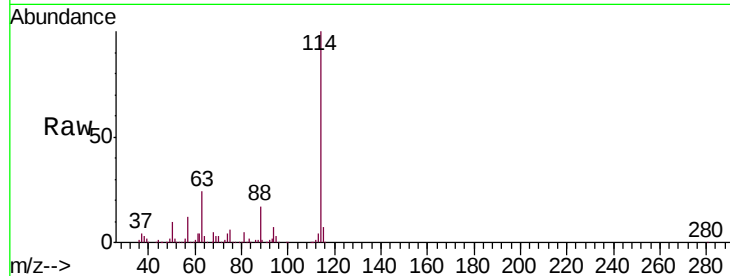




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012418.D
 Acq: 01 Sep 2019 00:11

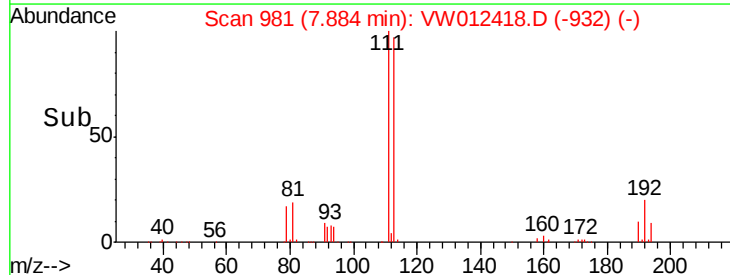
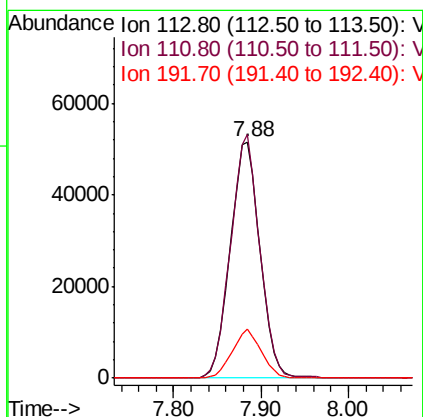
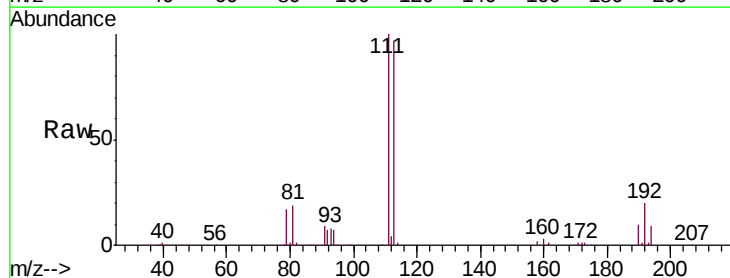
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D4-(0)

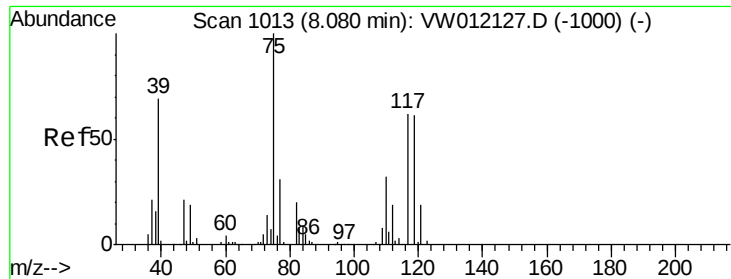
Tgt Ion:114 Resp: 395448
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.7 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 51.647 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012418.D
 Acq: 01 Sep 2019 00:11

Tgt Ion:113 Resp: 121910
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.7 124.1
 192 20.2 16.2 24.2

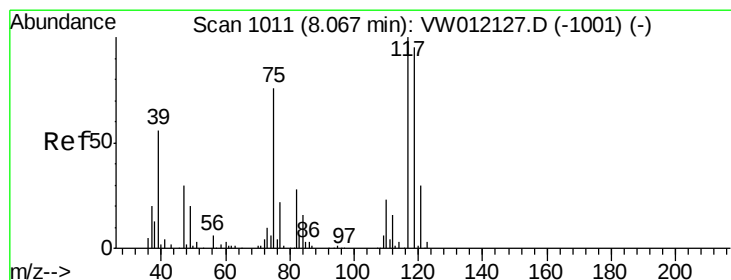
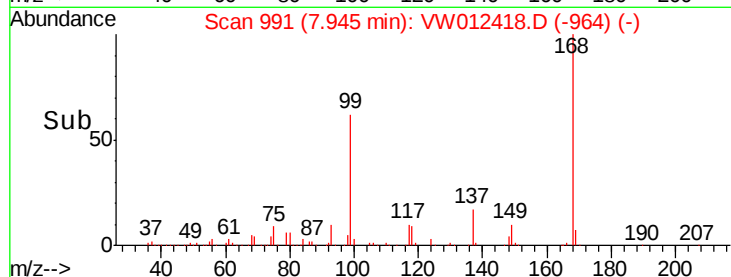
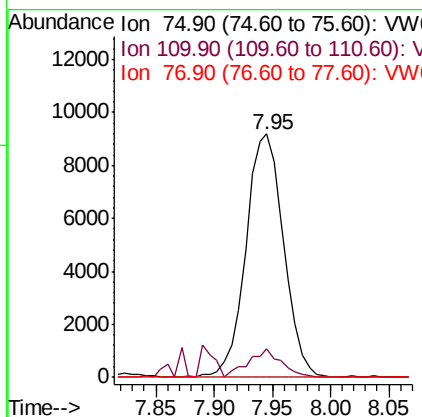
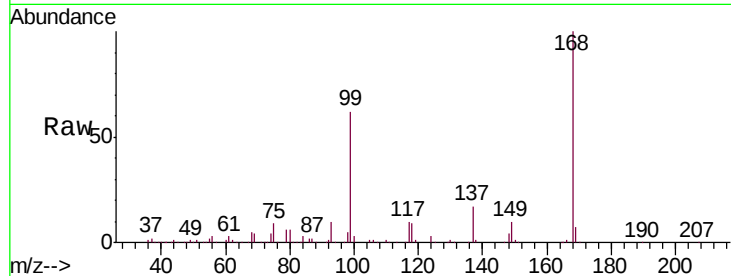




#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012418.D
 Acq: 01 Sep 2019 00:11

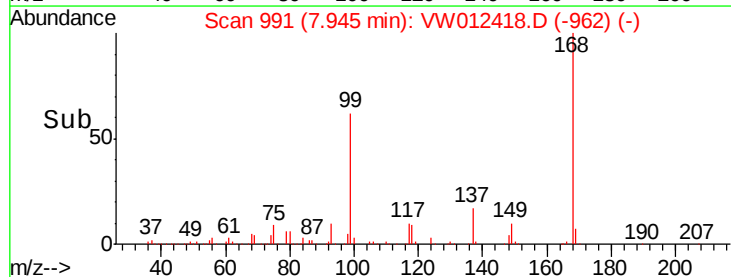
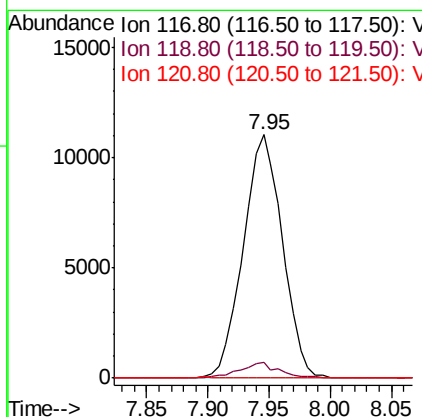
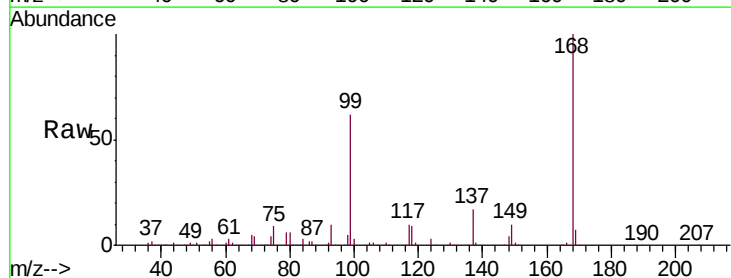
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D4-(0)

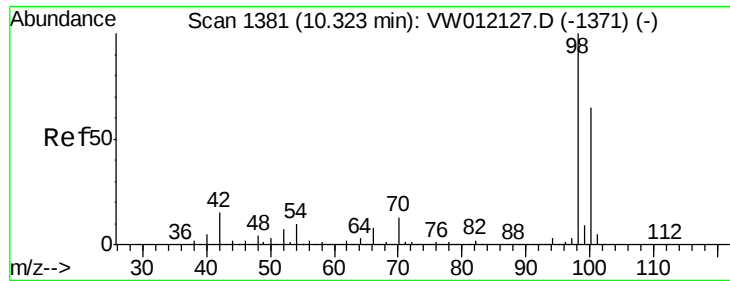
Tgt Ion: 75 Resp: 20731
 Ion Ratio Lower Upper
 75 100
 110 10.3 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.950 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012418.D
 Acq: 01 Sep 2019 00:11

Tgt Ion: 117 Resp: 24582
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 49.446 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

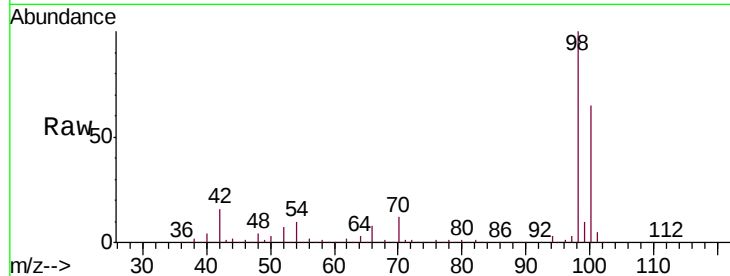
T4-S-D4-(0)

Tgt Ion: 98 Resp: 473245

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

300000

250000

200000

150000

100000

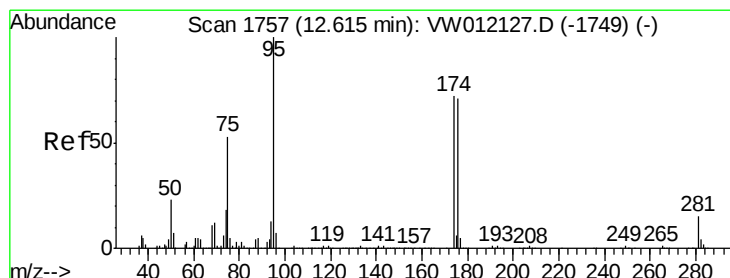
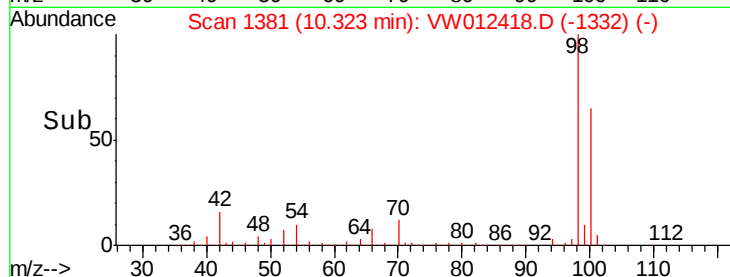
50000

0

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 42.246 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

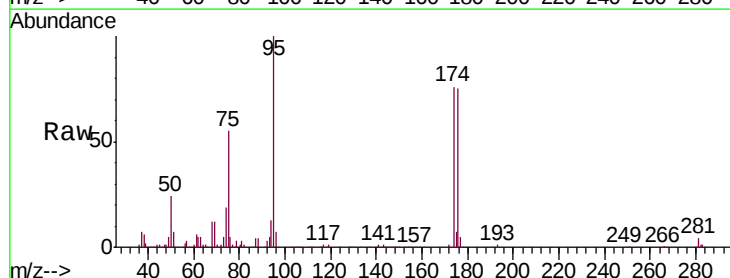
Tgt Ion: 95 Resp: 142527

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

176 75.4 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

120000

100000

80000

60000

40000

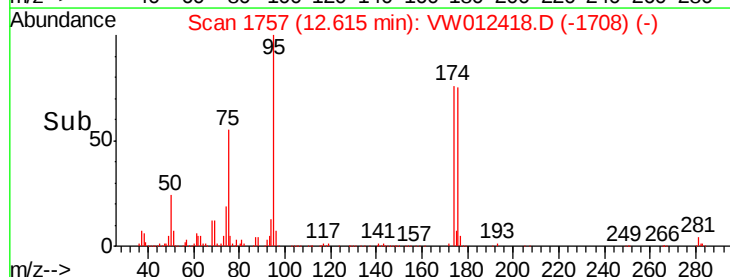
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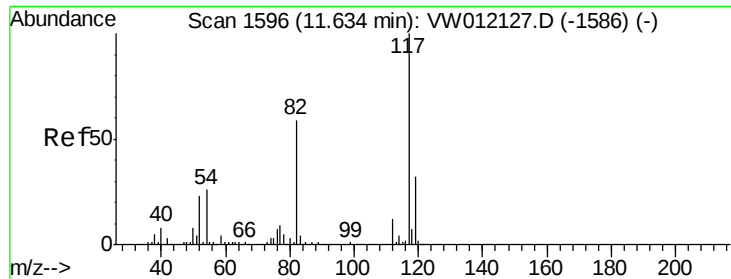
0

12.60

12.70

Time-->

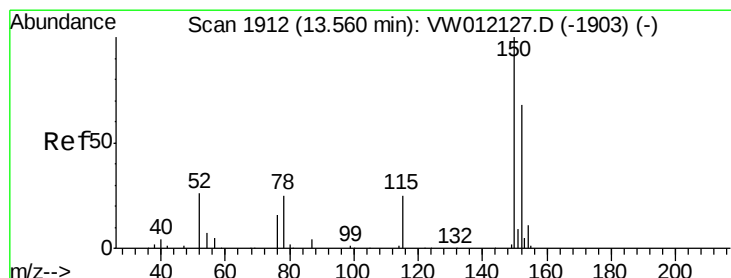
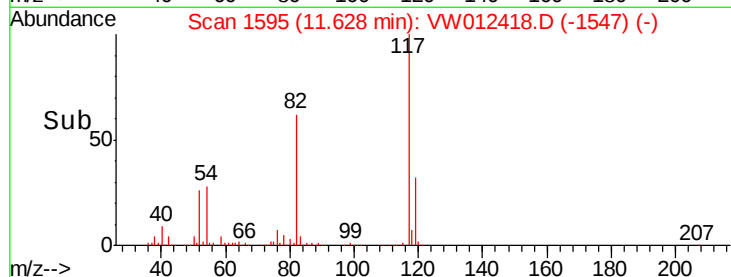
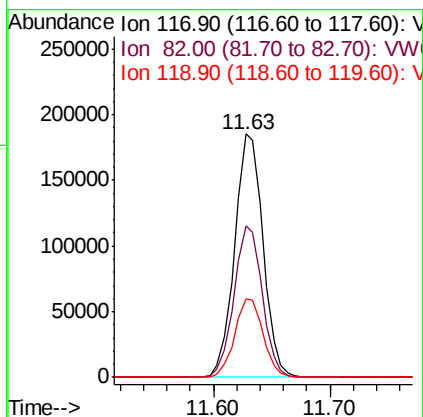
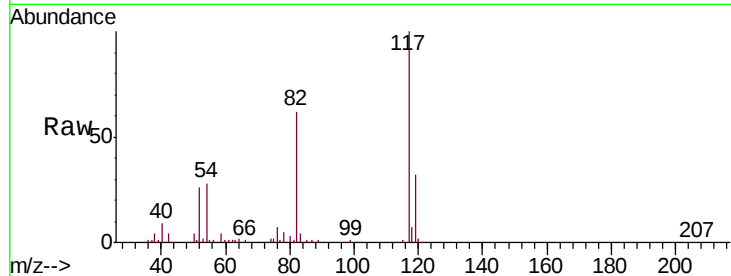




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

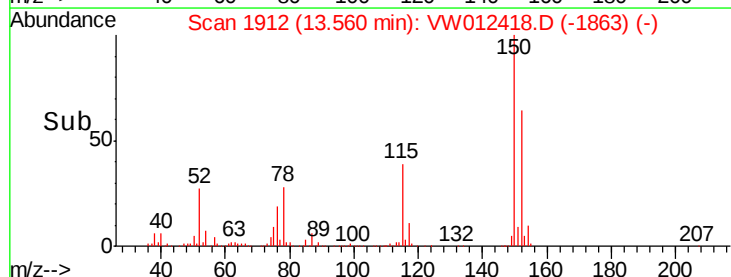
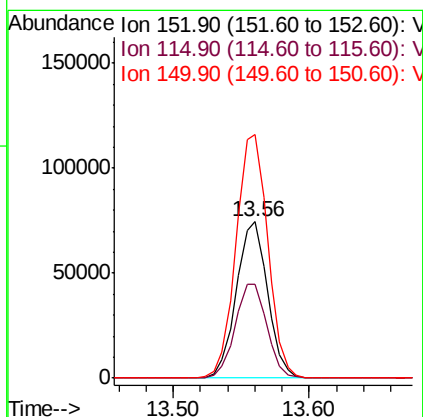
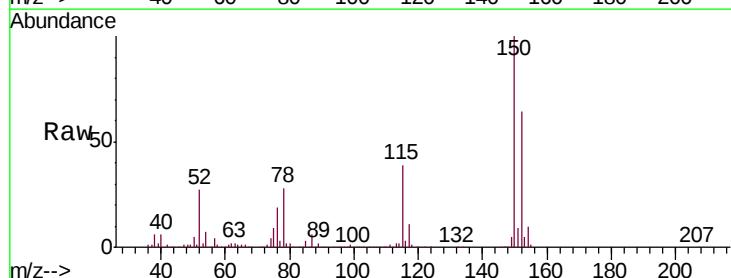
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(0)

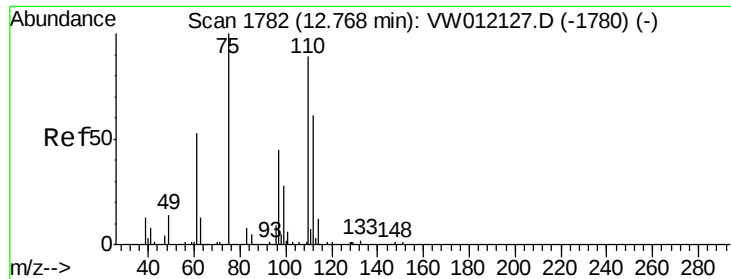
Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.4	47.4	71.2
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012418.D
Acq: 01 Sep 2019 00:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.3
150	158.6	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 67.476 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

Instrument :

MSVOA_W

ClientSampled :

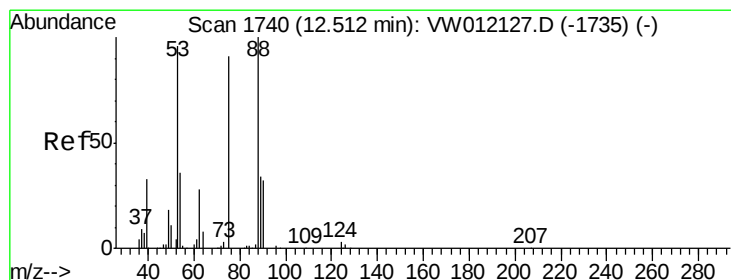
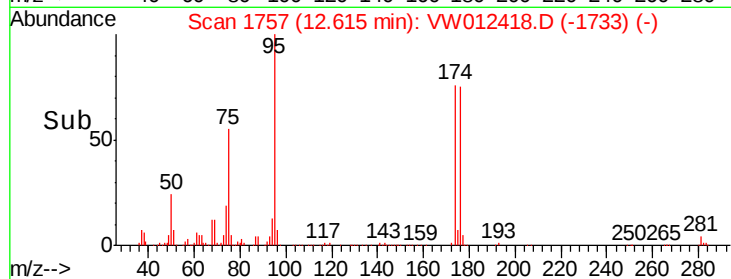
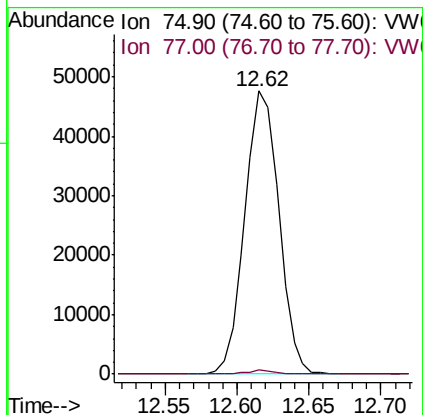
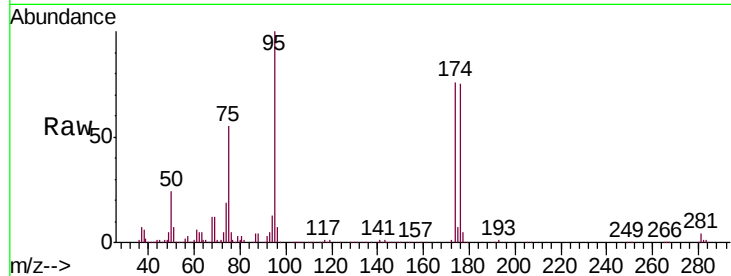
T4-S-D4-(0)

Tgt Ion: 75 Resp: 78275

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.944 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

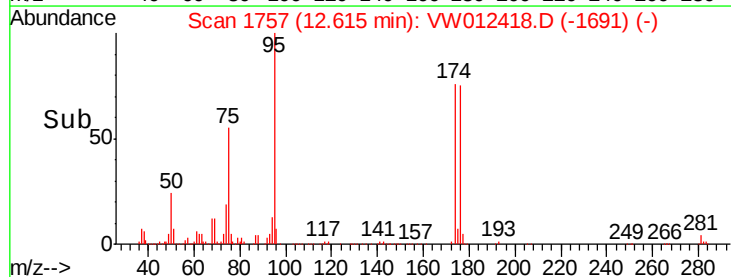
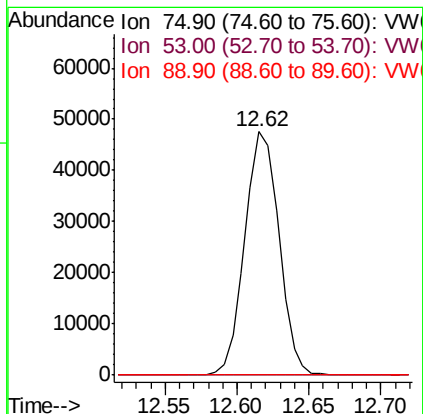
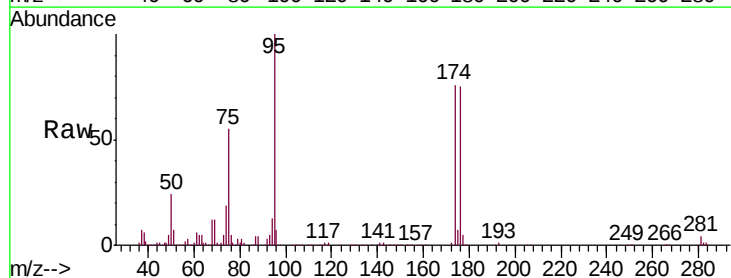
Tgt Ion: 75 Resp: 78275

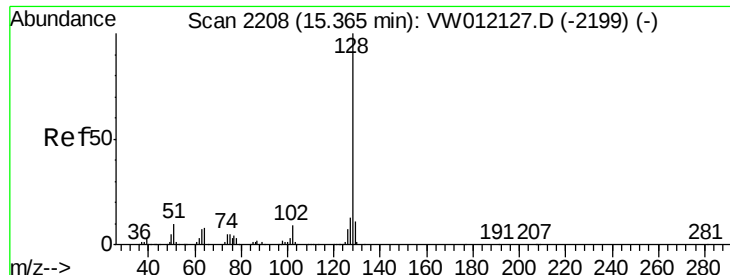
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.458 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012418.D

Acq: 01 Sep 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D4-(0)

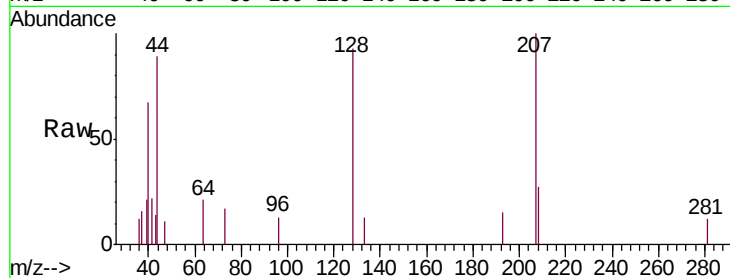
Tgt Ion:128 Resp: 671

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 3.6 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

