

Data File : VW012689.D
Acq On : 06 Sep 2019 14:16
Operator : SY/VA
Sample : K4581-09
Misc : 3.47G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(3.5)

Quant Time: Sep 07 04:39:03 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	239320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147894	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.88	113	110590	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	439574	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	131255	41.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.30%	

Target Compounds

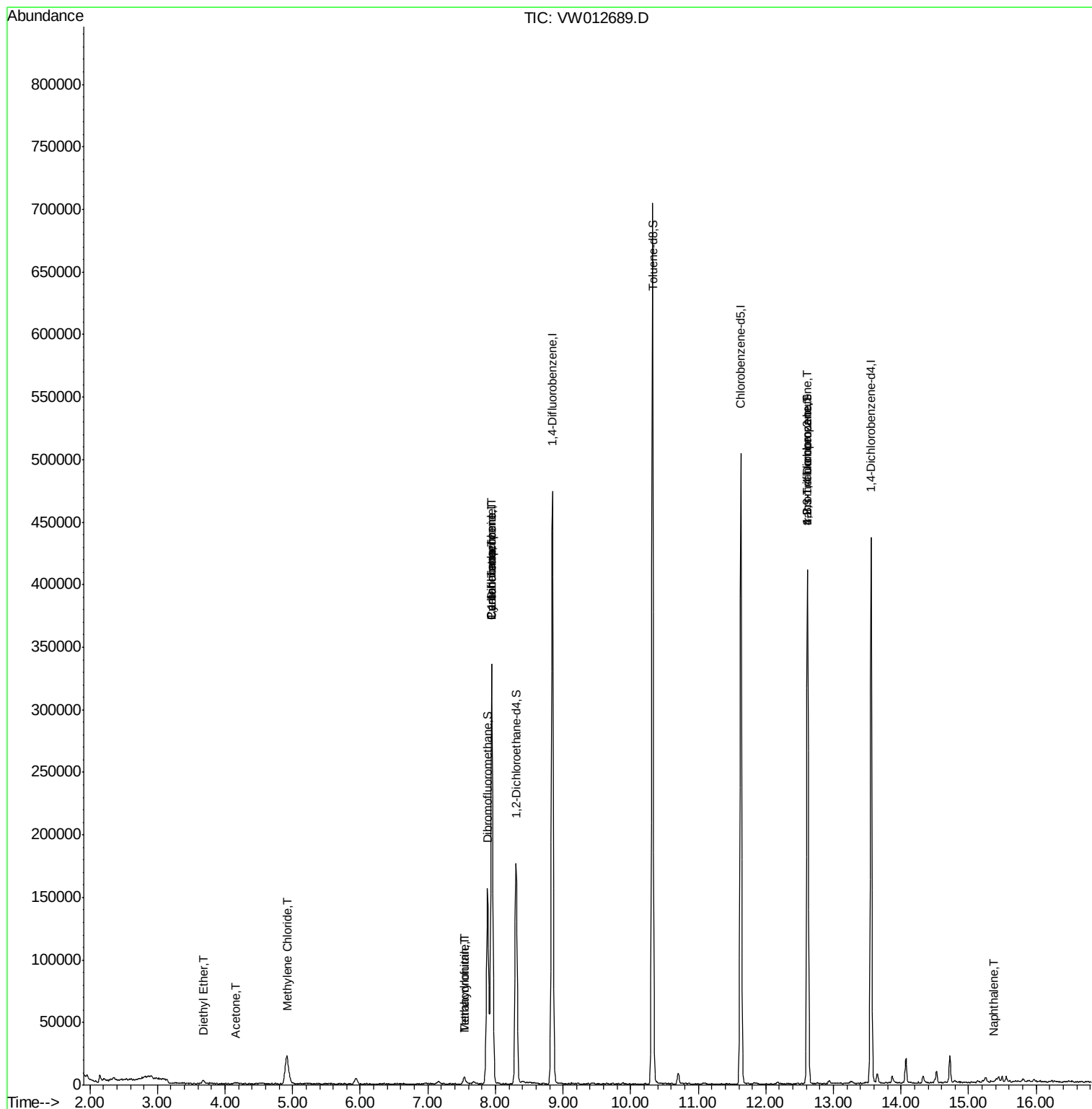
						Qvalue
8) Diethyl Ether	3.68	74	1586	1.191	ug/l	78
16) Acetone	4.16	43	1247	1.715	ug/l	94
20) Methylene Chloride	4.91	84	17666	6.426	ug/l	97
29) Tetrahydrofuran	7.54	42	4879	8.229	ug/l #	93
31) Cyclohexane	7.95	56	5866	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19803	5.188	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23832	7.213	ug/l #	16
41) Methacrylonitrile	7.53	41	3198	2.601	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	69919	64.046	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69919	140.424	ug/l #	6
95) Naphthalene	15.37	128	539	4.438	ug/l #	75

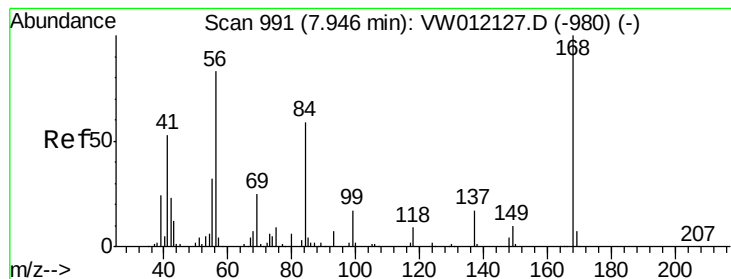
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012689.D

Acq: 06 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

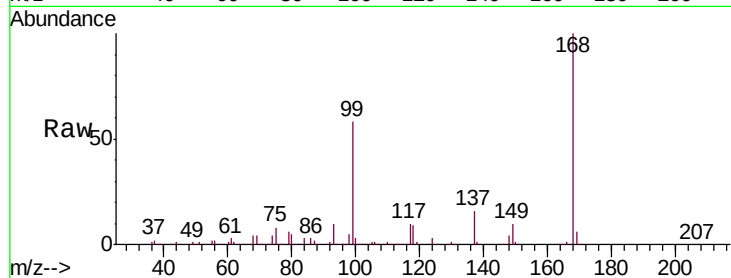
T12-C3-(3.5)

Tgt Ion:168 Resp: 239320

Ion Ratio Lower Upper

168 100

99 57.7 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

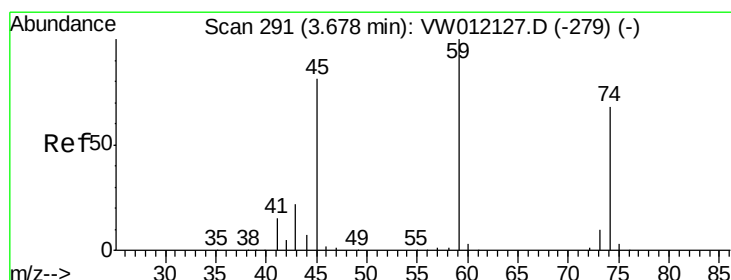
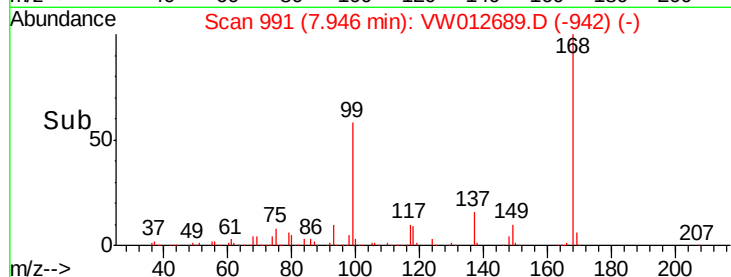
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.191 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012689.D

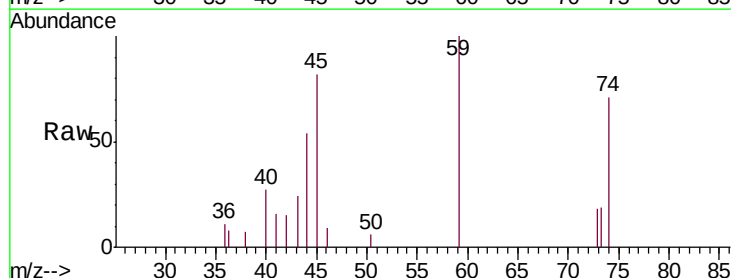
Acq: 06 Sep 2019 14:16

Tgt Ion: 74 Resp: 1586

Ion Ratio Lower Upper

74 100

45 142.7 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

800

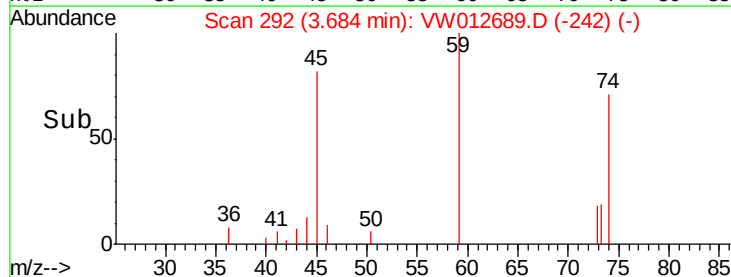
600

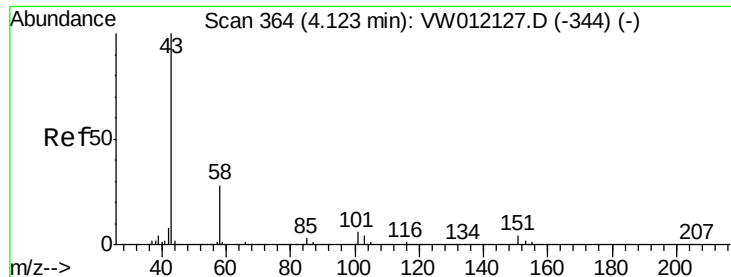
400

200

0

Time-->





#16

Acetone

Concen: 1.715 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012689.D

Acq: 06 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

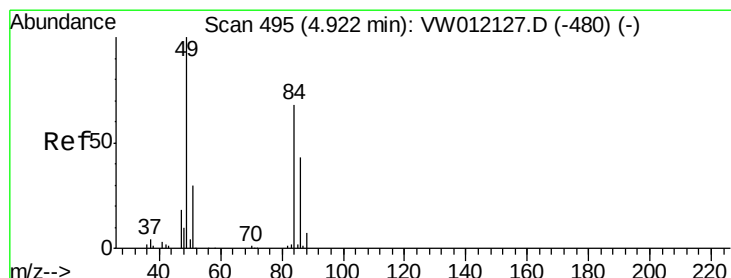
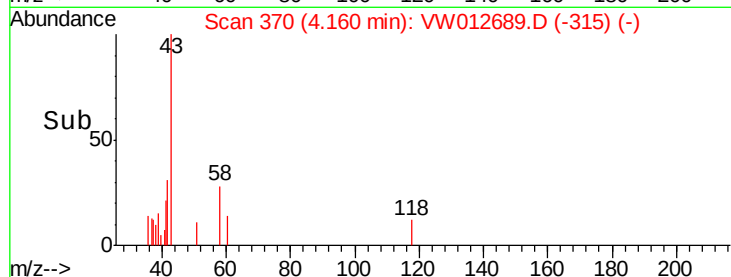
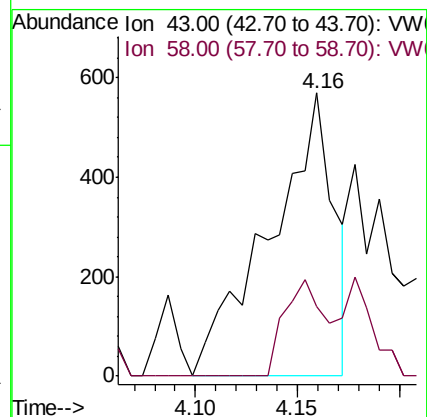
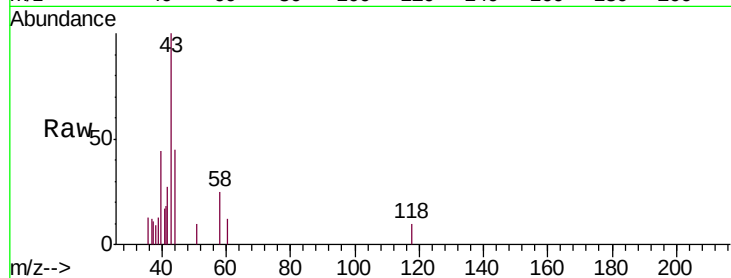
T12-C3-(3.5)

Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6



#20

Methylene Chloride

Concen: 6.426 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012689.D

Acq: 06 Sep 2019 14:16

Tgt Ion: 84 Resp: 17666

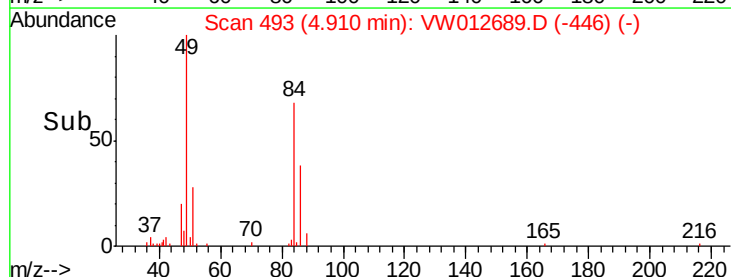
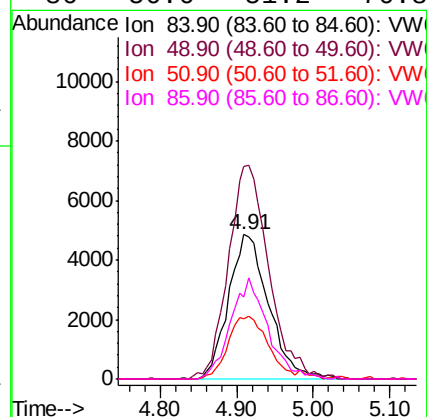
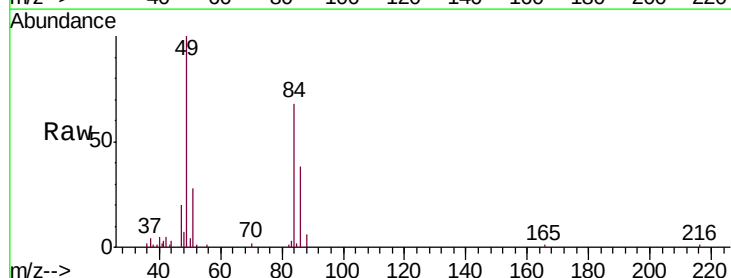
Ion Ratio Lower Upper

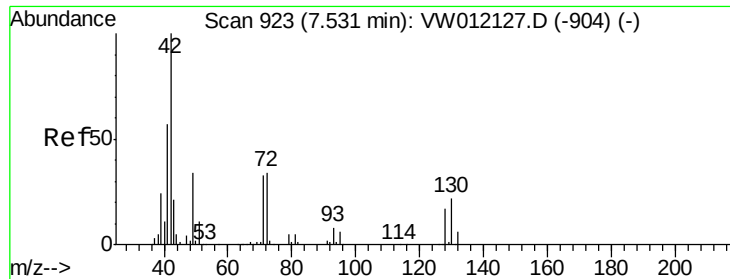
84 100

49 147.1 117.8 176.8

51 41.8 35.6 53.4

86 56.6 51.2 76.8

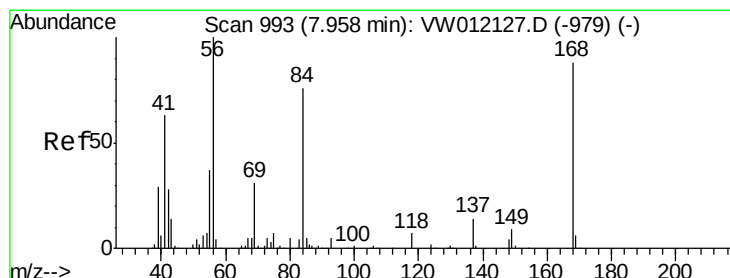
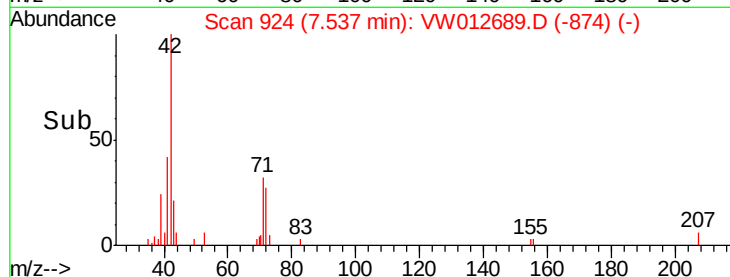
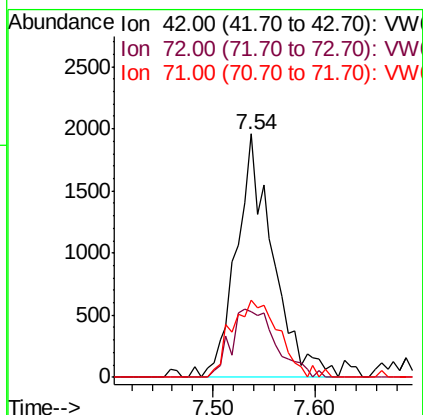
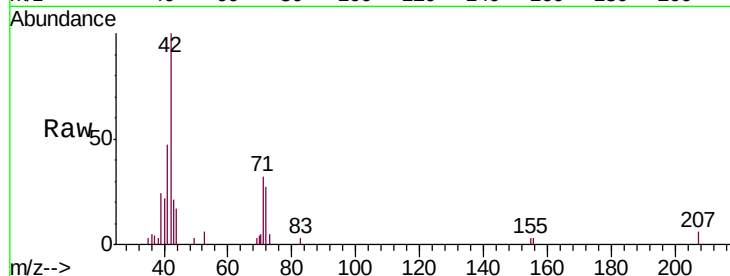




#29
Tetrahydrofuran
Concen: 8.229 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

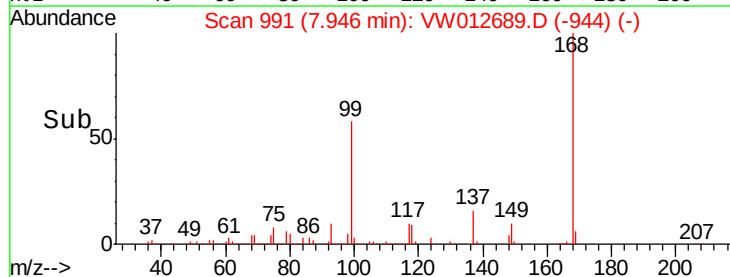
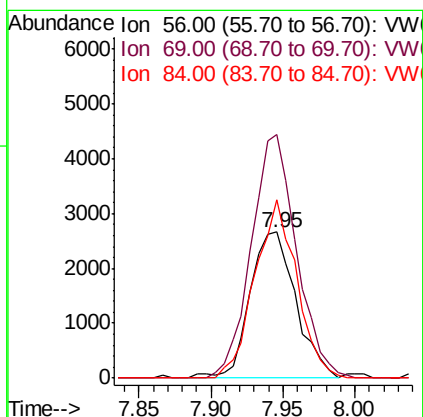
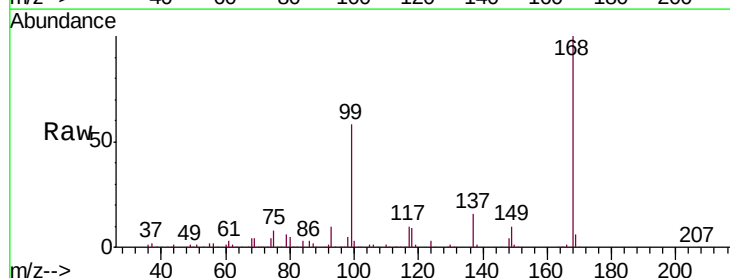
Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(3.5)

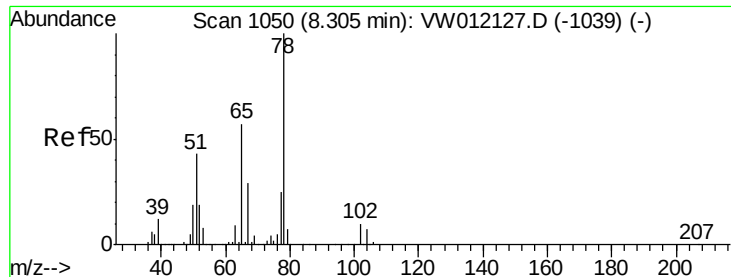
Tgt Ion: 42 Resp: 4879
Ion Ratio Lower Upper
42 100
72 34.4 27.3 40.9
71 40.2 25.5 38.3#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

Tgt Ion: 56 Resp: 5866
Ion Ratio Lower Upper
56 100
69 166.6 24.9 37.3#
84 122.4 60.6 90.8#

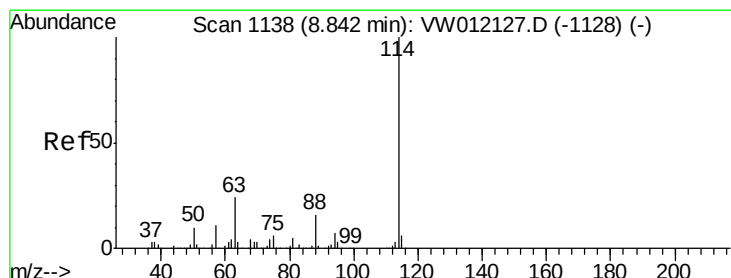
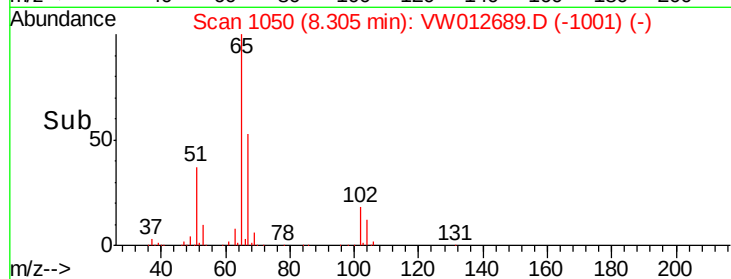
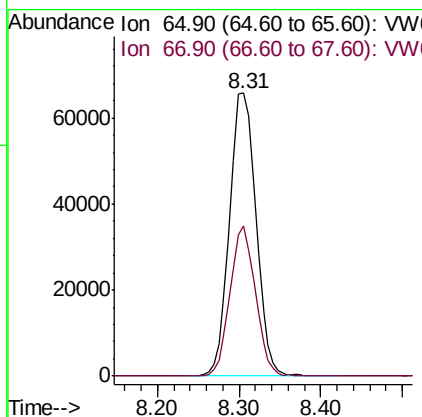
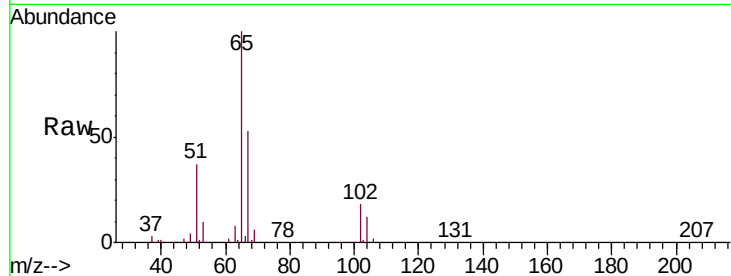




#33
 1,2-Dichloroethane-d4
 Concen: 51.985 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

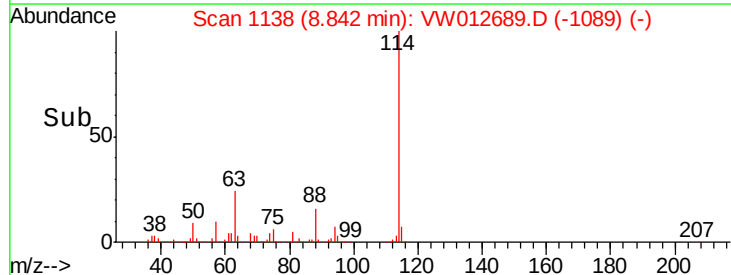
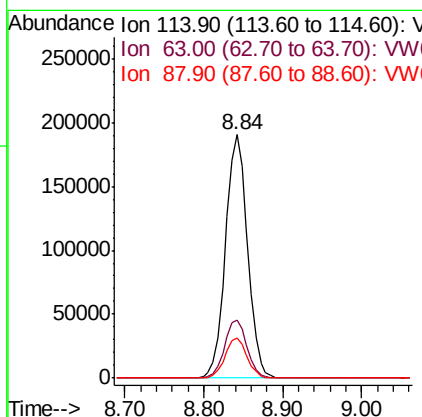
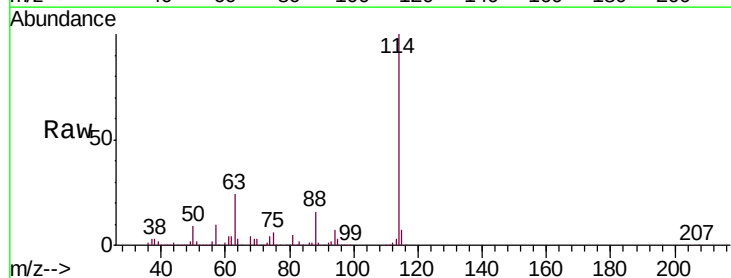
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C3-(3.5)

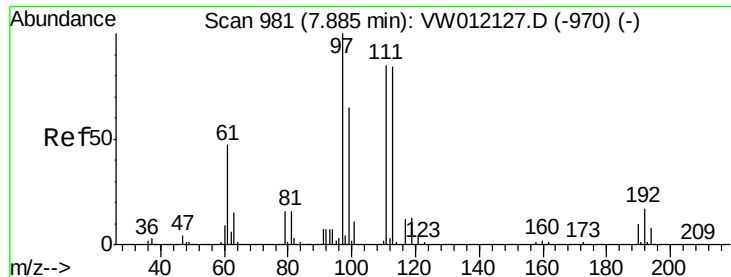
Tgt Ion: 65 Resp: 147894
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

Tgt Ion: 114 Resp: 369402
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 16.4 0.0 32.2

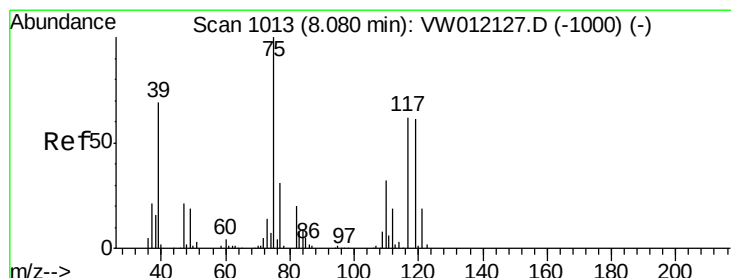
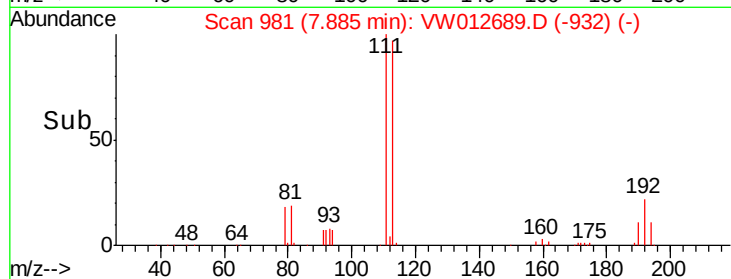
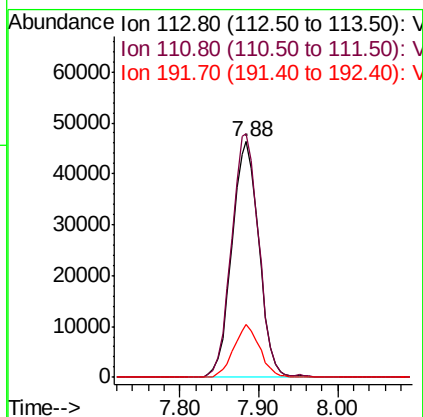
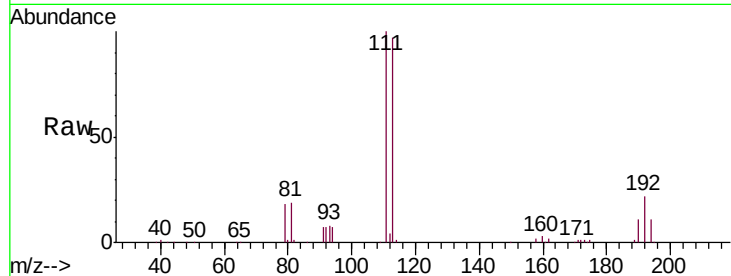




#35
 Dibromofluoromethane
 Concen: 50.155 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

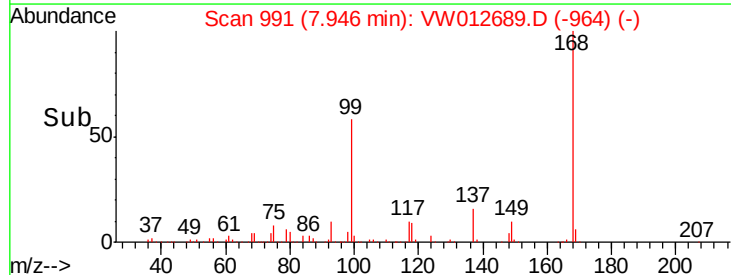
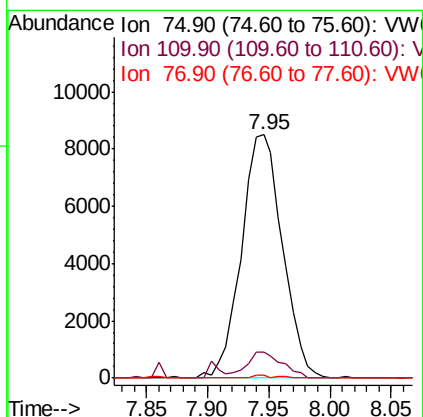
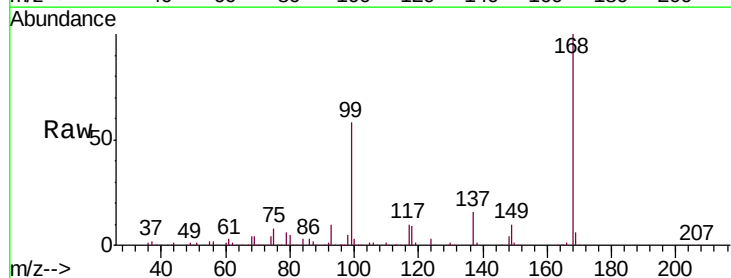
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C3-(3.5)

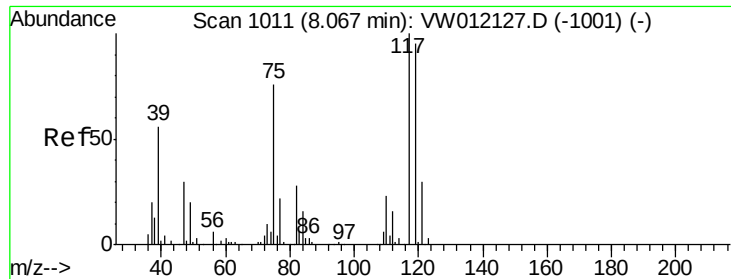
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	21.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.188 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.6	46.8#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012689.D

Acq: 06 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

T12-C3-(3.5)

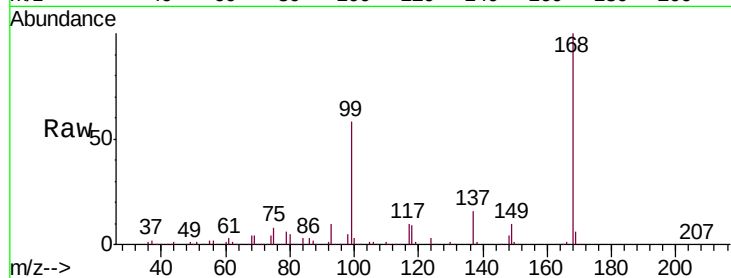
Tgt Ion:117 Resp: 23832

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

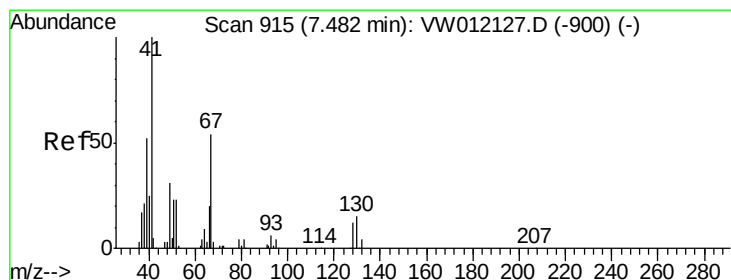
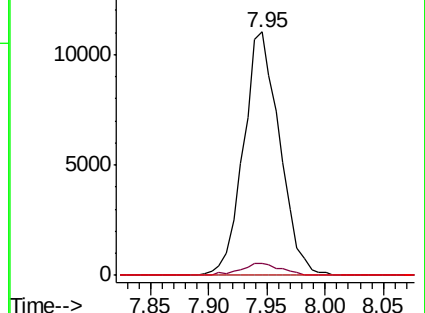
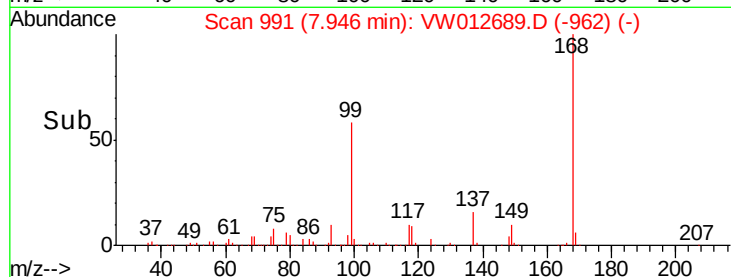
121 0.0 23.8 35.8#



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: 2.601 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012689.D

Acq: 06 Sep 2019 14:16

Tgt Ion: 41 Resp: 3198

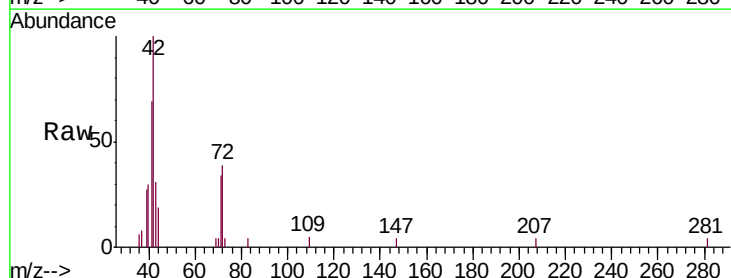
Ion Ratio Lower Upper

41 100

39 49.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.9 21.0 31.6#

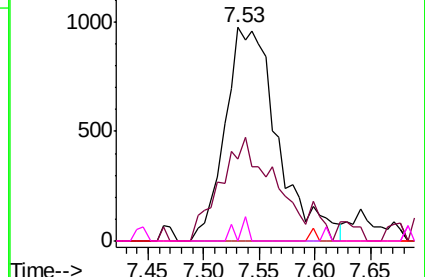
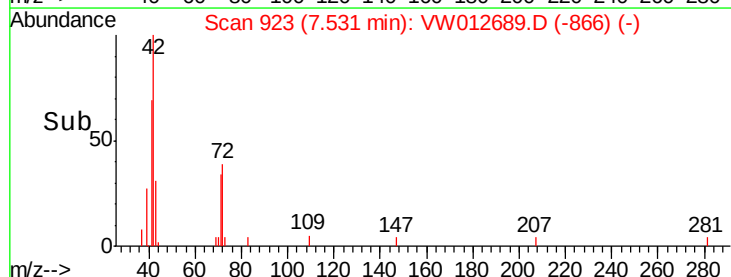


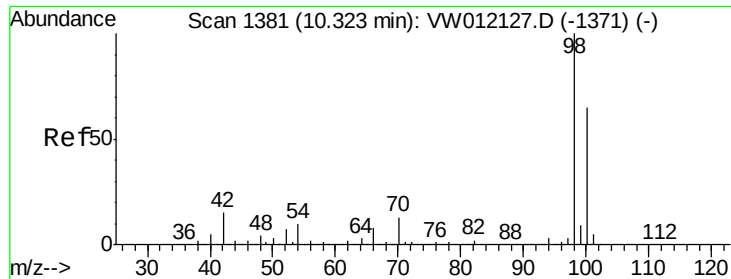
Abundance Ion 41.00 (40.70 to 41.70): VW

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

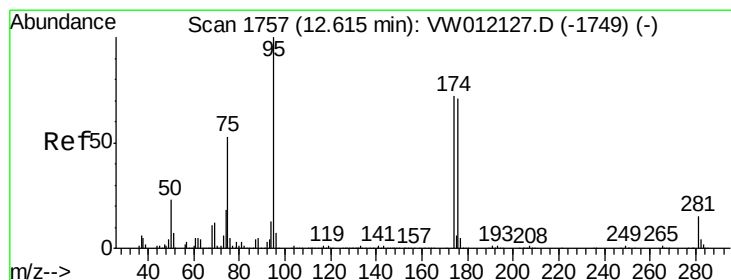
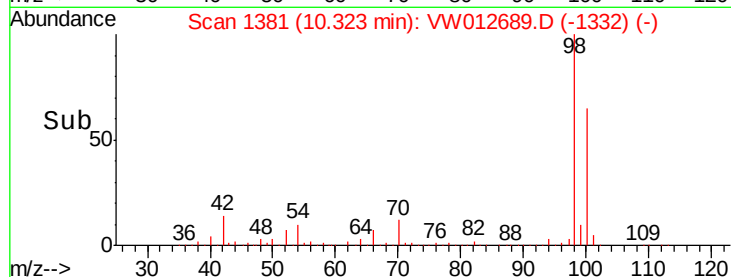
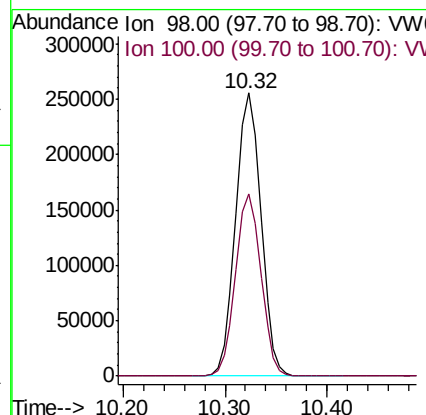
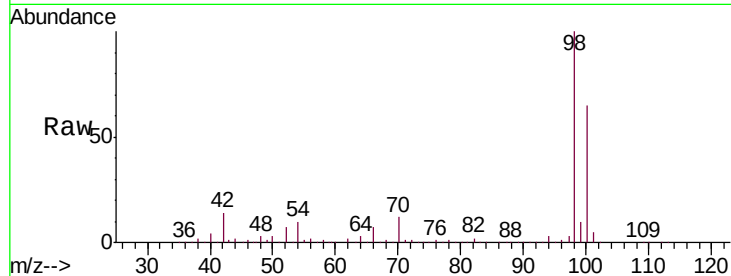




#50
Toluene-d8
Concen: 49.167 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

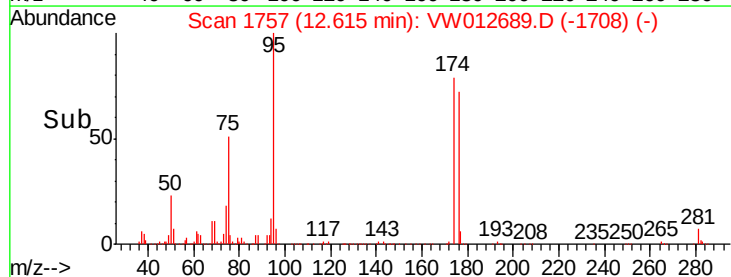
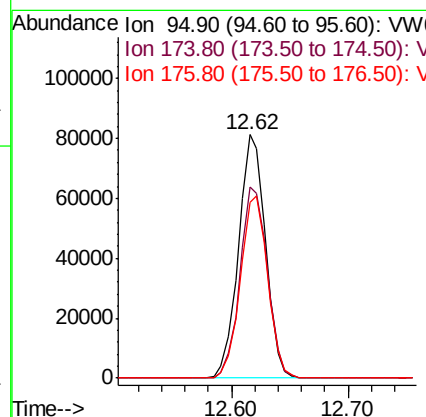
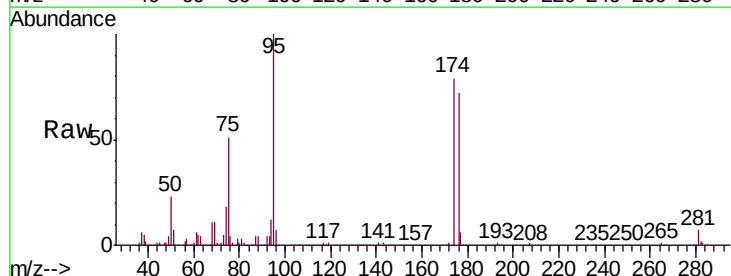
Instrument :
MSVOA_W
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T12-C3-(3.5)

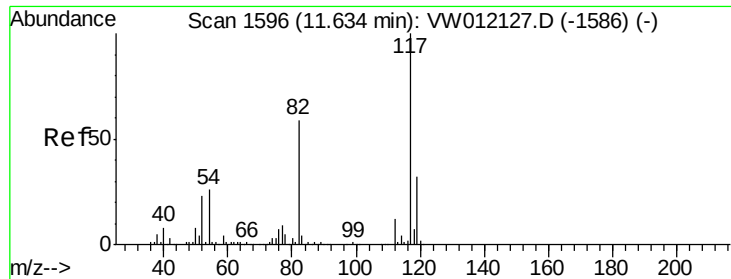
Tgt Ion: 98 Resp: 439574
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 41.648 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

Tgt Ion: 95 Resp: 131255
Ion Ratio Lower Upper
95 100
174 79.7 0.0 150.8
176 75.9 0.0 148.6

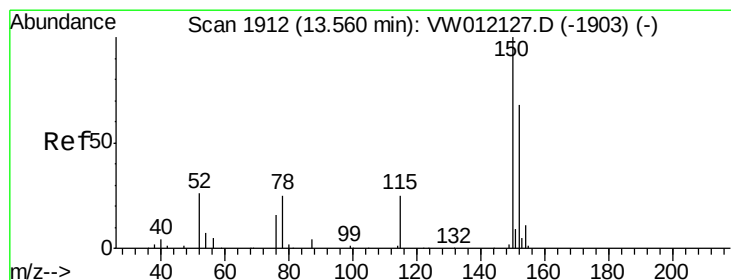
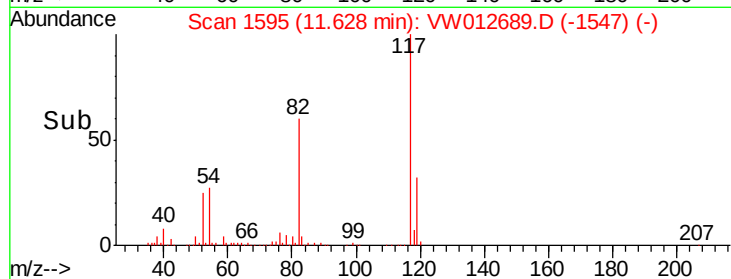
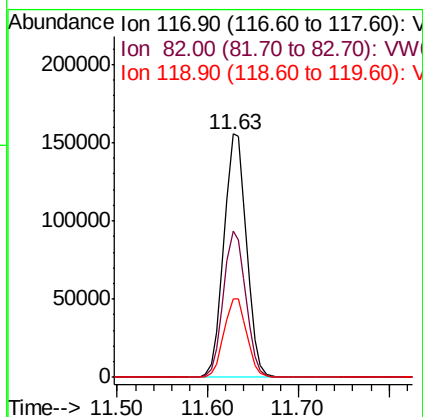
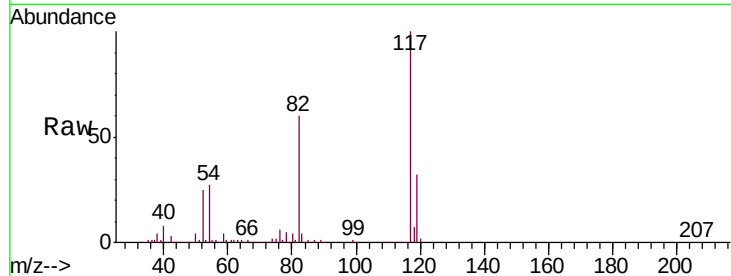




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

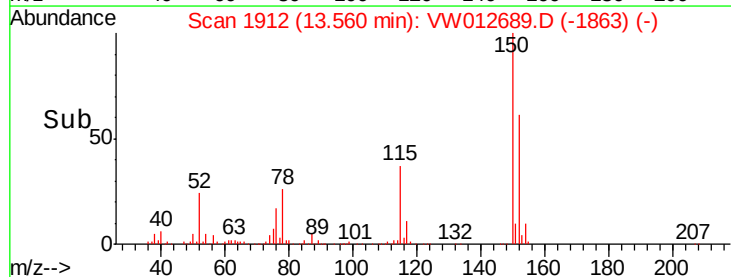
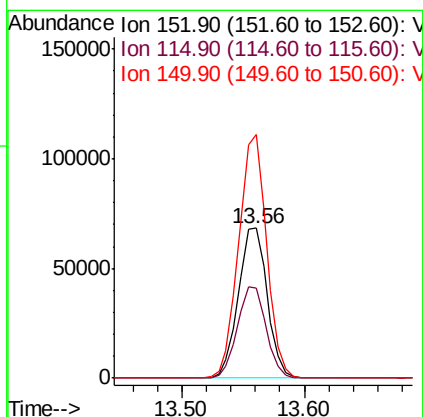
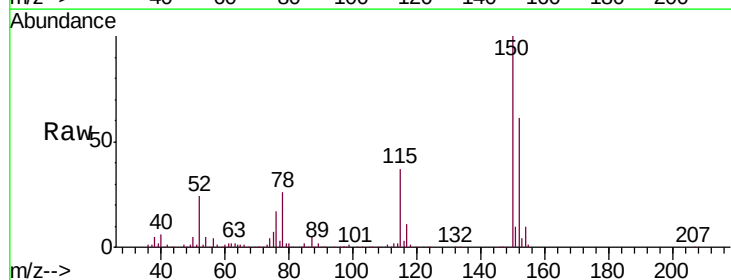
Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(3.5)

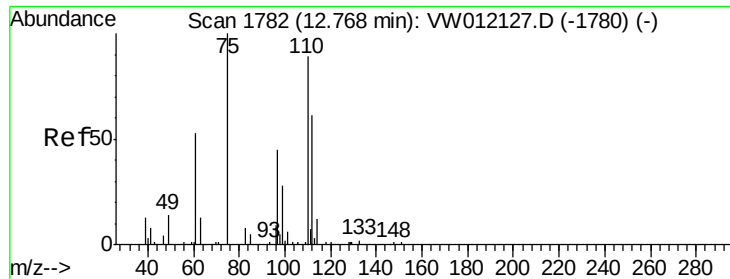
Tgt Ion:117 Resp: 270448
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

Tgt Ion:152 Resp: 112092
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.3
150 156.9 0.0 345.8

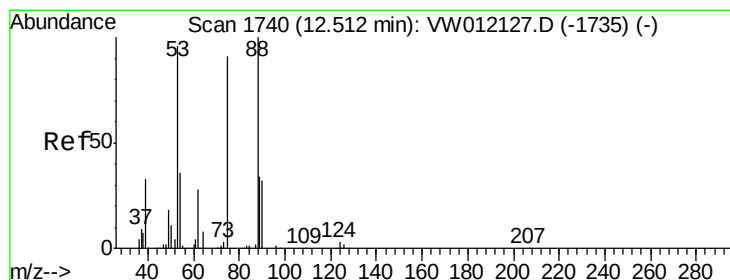
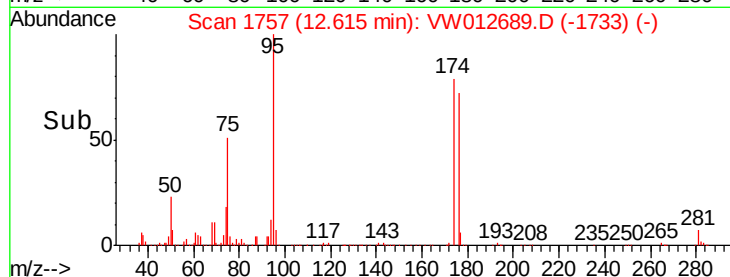
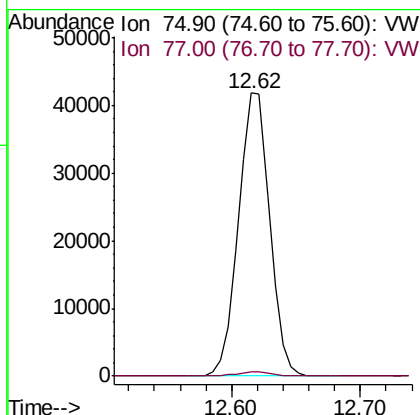
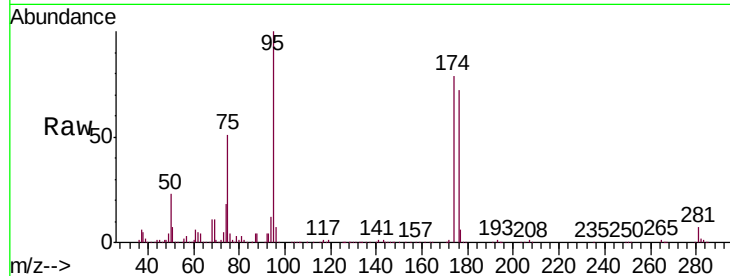




#76
 1,2,3-Trichloropropane
 Concen: 64.046 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

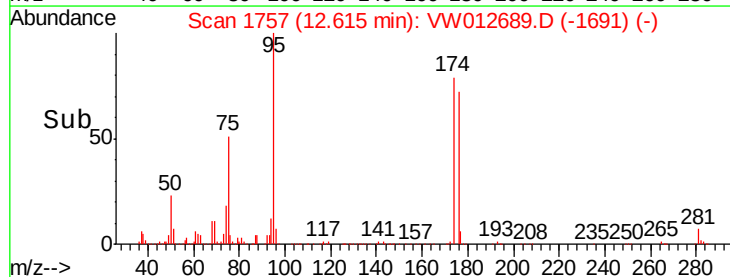
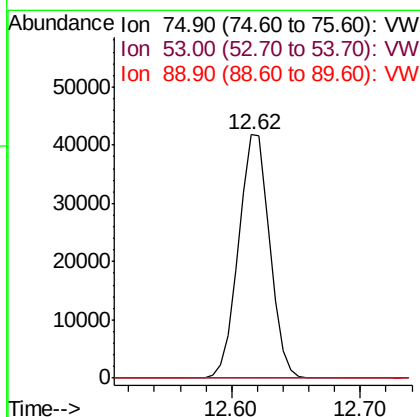
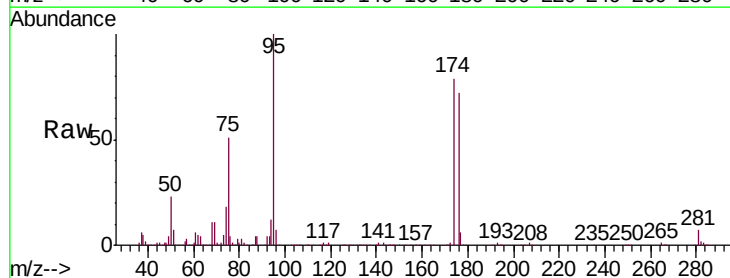
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C3-(3.5)

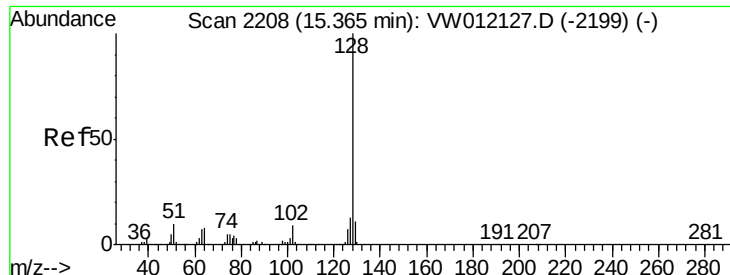
Tgt Ion: 75 Resp: 69919
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.424 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012689.D
 Acq: 06 Sep 2019 14:16

Tgt Ion: 75 Resp: 69919
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.438 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012689.D
Acq: 06 Sep 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(3.5)

Tgt Ion:128 Resp: 539
Ion Ratio Lower Upper
128 100
127 4.8 10.7 16.1#
129 0.0 8.7 13.1#

