

Data File : VW012182.D
Acq On : 26 Aug 2019 20:23
Operator : SY/VA
Sample : K4475-02RE
Misc : 6.11G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Aug 27 04:59:18 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	211645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139495	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
35) Dibromofluoromethane	7.88	113	111717	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.32	98	435994	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.62	95	128262	42.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.58%	

Target Compounds

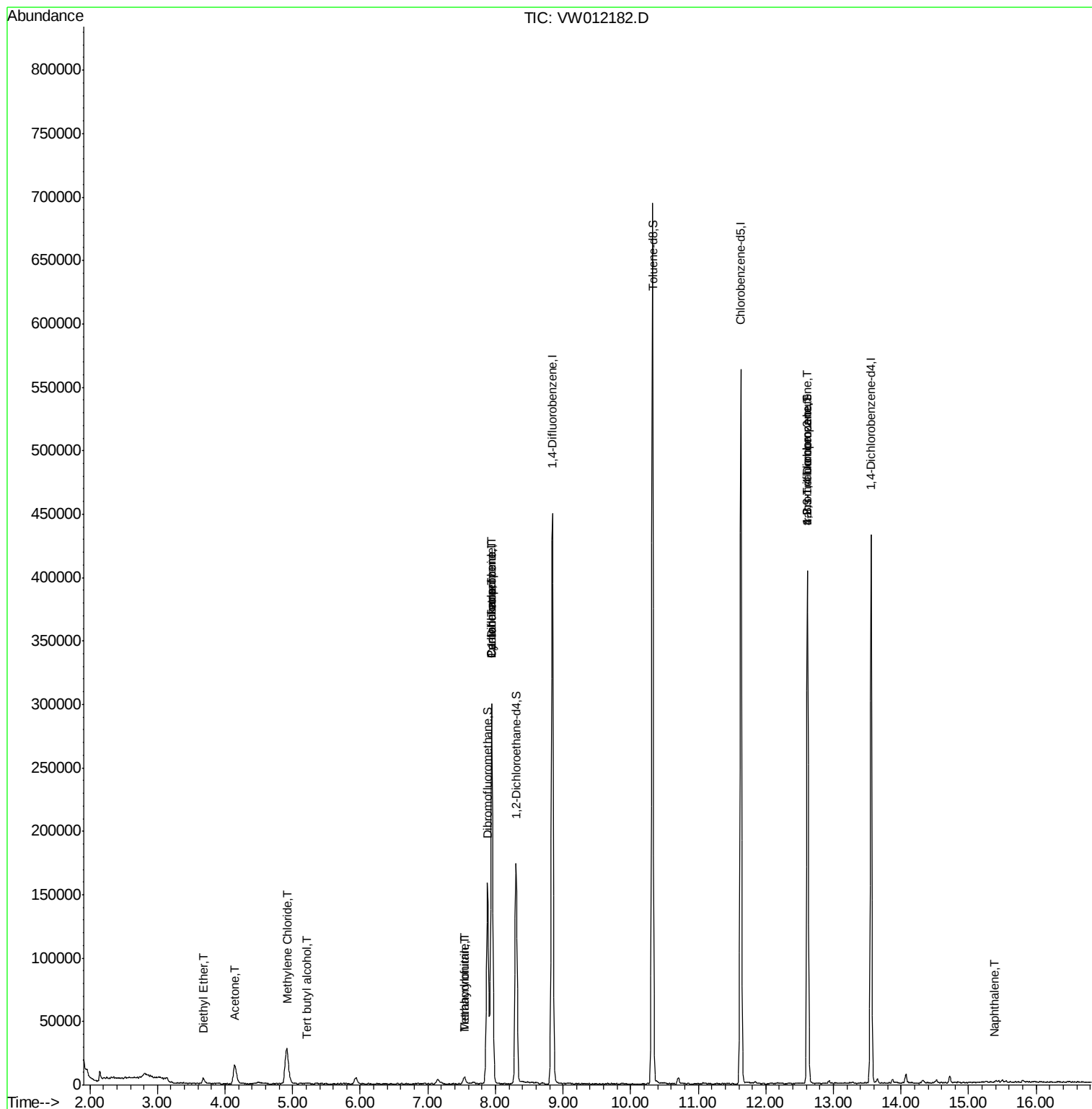
						Qvalue
8) Diethyl Ether	3.68	74	1837	1.560	ug/l	63
11) Tert butyl alcohol	5.21	59	829	5.475	ug/l #	71
16) Acetone	4.14	43	31796	49.440	ug/l	99
20) Methylene Chloride	4.92	84	21919	9.015	ug/l	95
29) Tetrahydrofuran	7.54	42	5122	9.769	ug/l	96
31) Cyclohexane	7.95	56	5263	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18306	4.983	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21558	6.780	ug/l #	16
41) Methacrylonitrile	7.54	41	3482	2.943	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	67571	66.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67571	145.824	ug/l #	6
95) Naphthalene	15.37	128	297	4.390	ug/l #	74

(#) = 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: VW012182.D

Acq: 26 Aug 2019 20:23

Instrument :

MSVOA_W

ClientSampled :

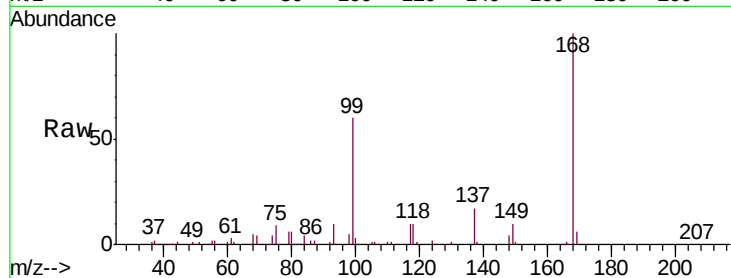
T1-2-E-(0)

Tgt Ion:168 Resp: 211645

Ion Ratio Lower Upper

168 100

99 60.1 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

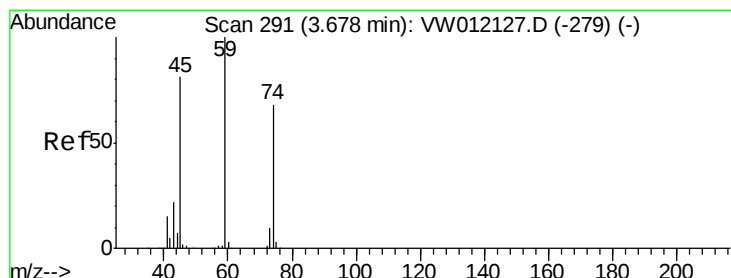
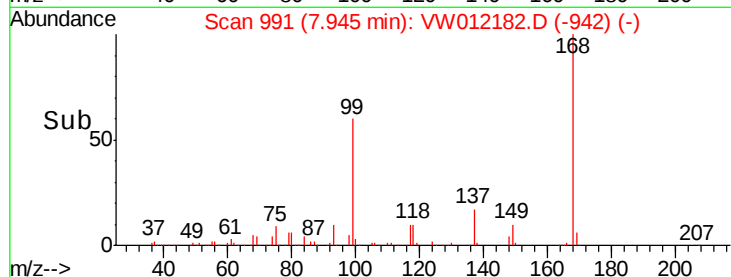
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.560 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012182.D

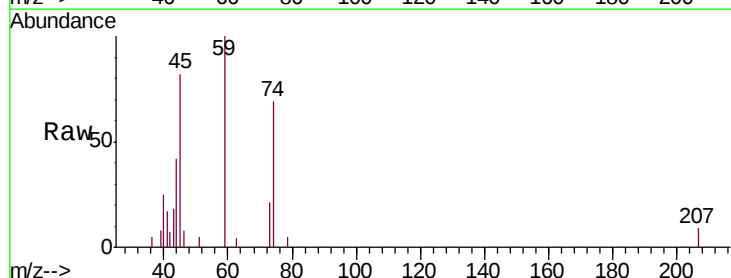
Acq: 26 Aug 2019 20:23

Tgt Ion: 74 Resp: 1837

Ion Ratio Lower Upper

74 100

45 159.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

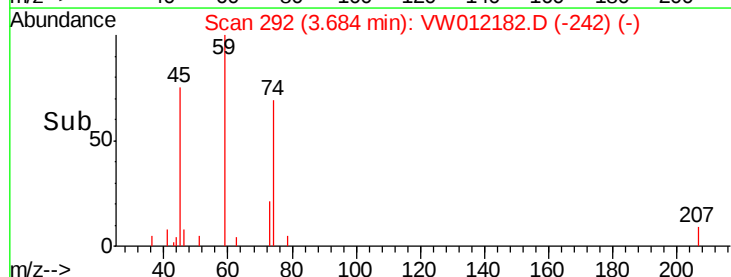
1000

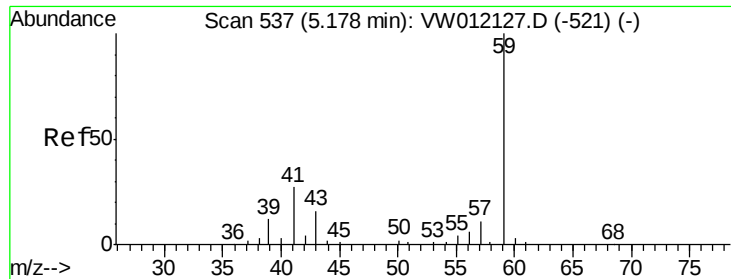
500

0

Time-->

3.60 3.65 3.70 3.75

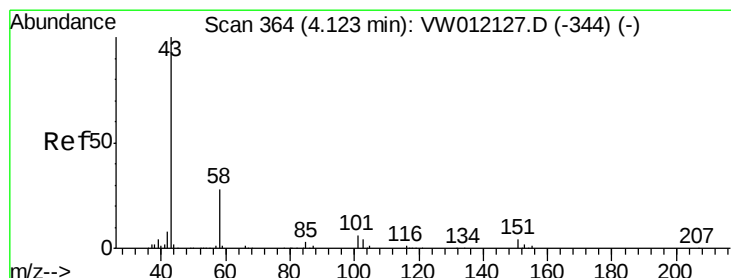
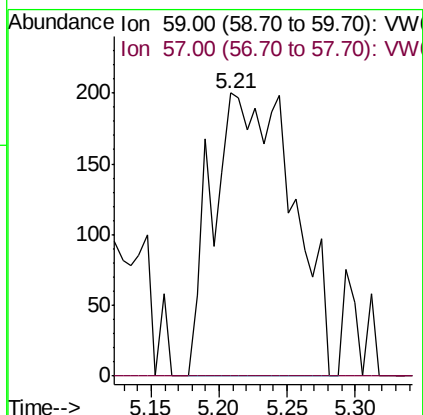
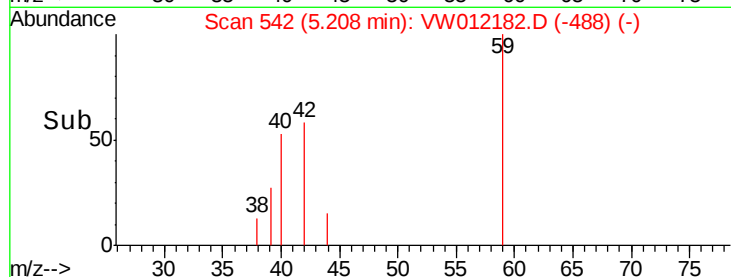
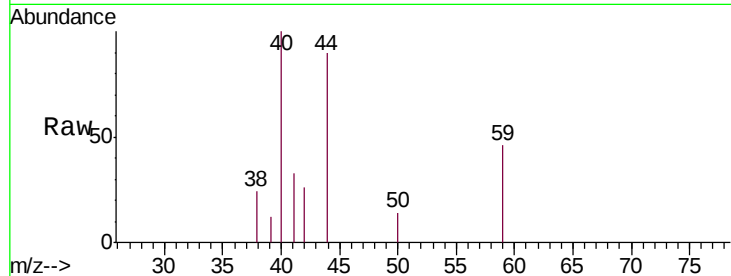




#11
Tert butyl alcohol
Concen: 5.475 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

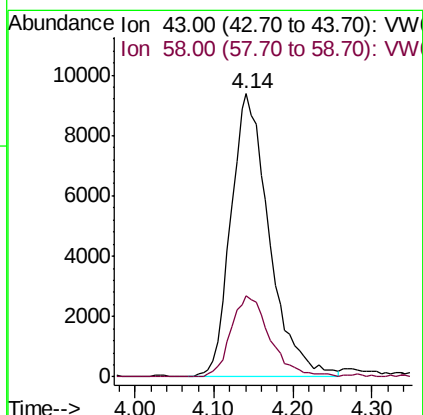
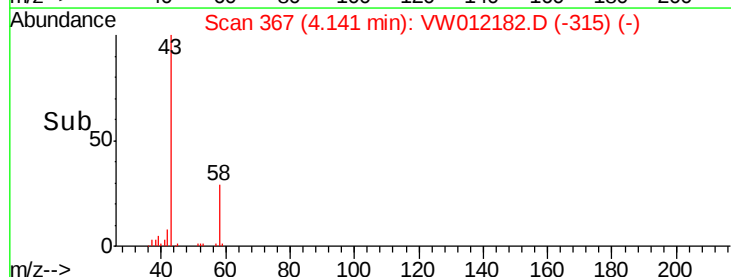
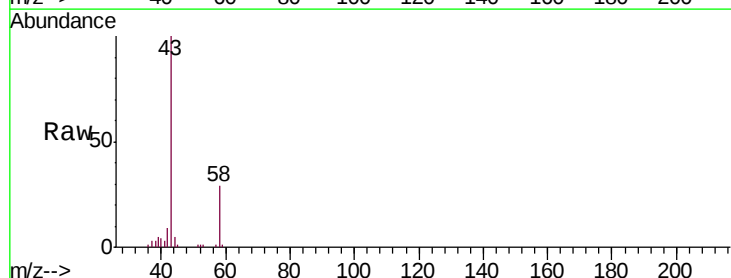
Instrument :
MSVOA_W
ClientSampleId :
T1-2-E(0)

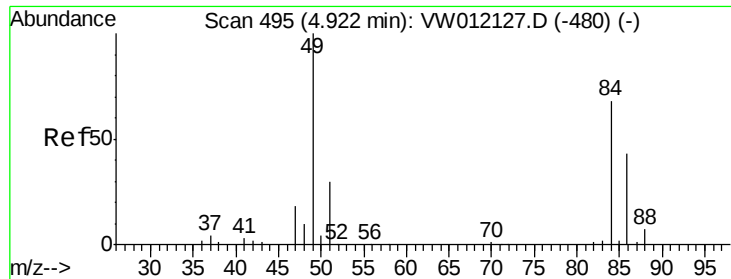
Tgt Ion: 59 Resp: 829
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 49.440 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

Tgt Ion: 43 Resp: 31796
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6

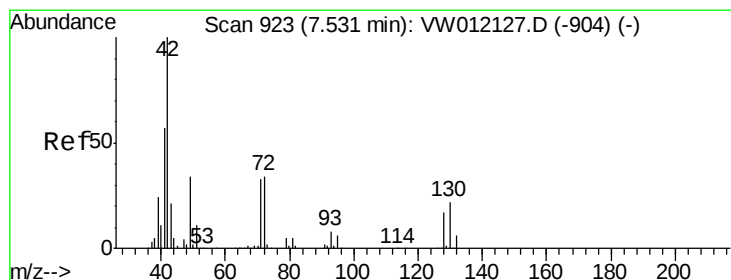
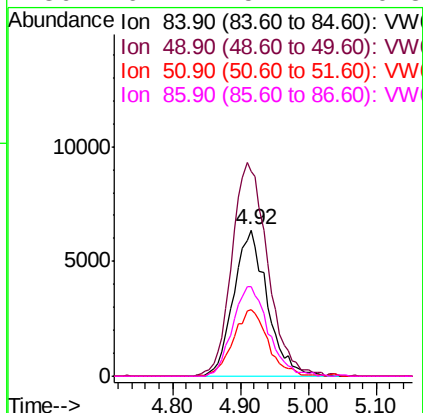
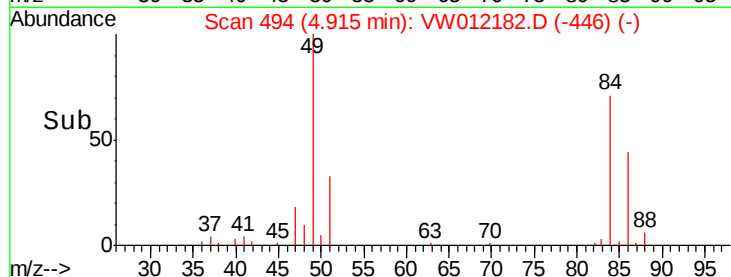
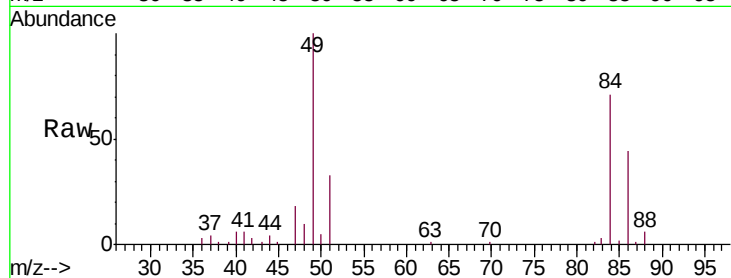




#20
Methylene Chloride
Concen: 9.015 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

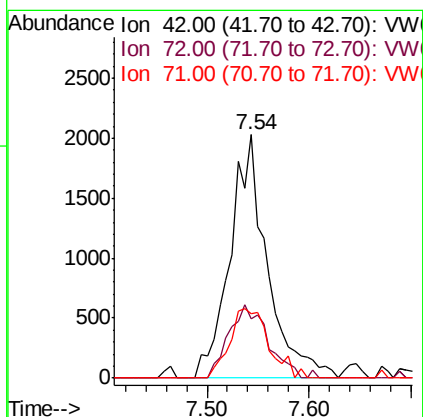
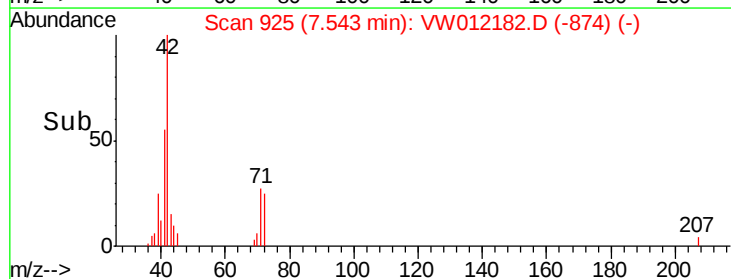
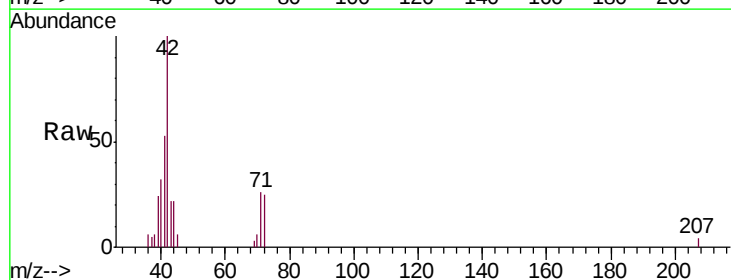
Instrument :
MSVOA_W
ClientSampleId :
T1-2-E(0)

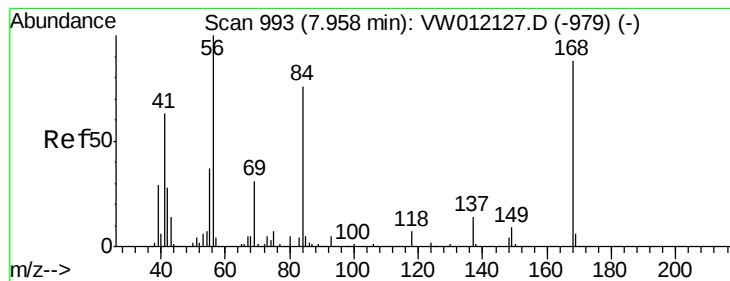
Tgt Ion:	84	Resp:	21919
Ion	Ratio	Lower	Upper
84	100		
49	140.0	117.8	176.8
51	46.0	35.6	53.4
86	61.4	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.769 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

Tgt Ion:	42	Resp:	5122
Ion	Ratio	Lower	Upper
42	100		
72	31.7	27.3	40.9
71	30.2	25.5	38.3





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

Instrument :

MSVOA_W

ClientSampleId :

T1-2-E(0)

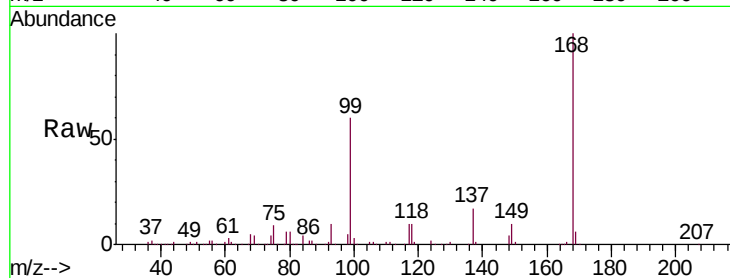
Tgt Ion: 56 Resp: 5263

Ion Ratio Lower Upper

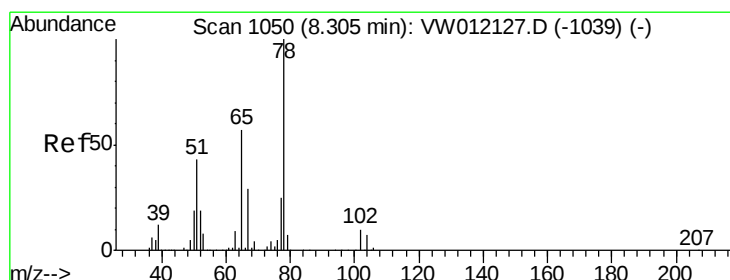
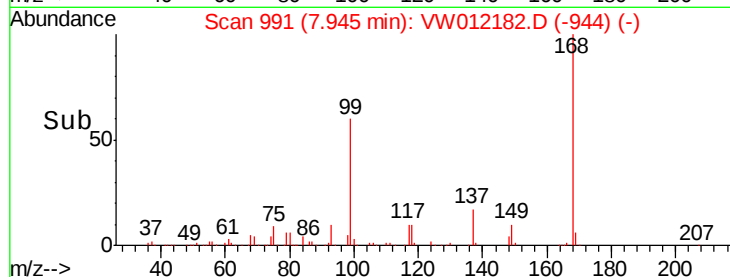
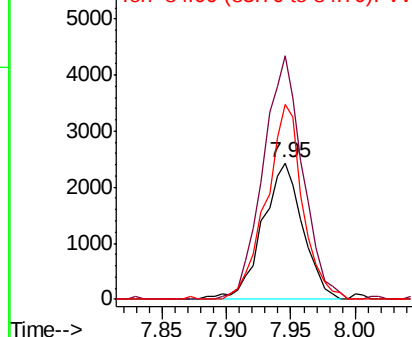
56 100

69 178.5 24.9 37.3#

84 140.8 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: 55.444 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012182.D

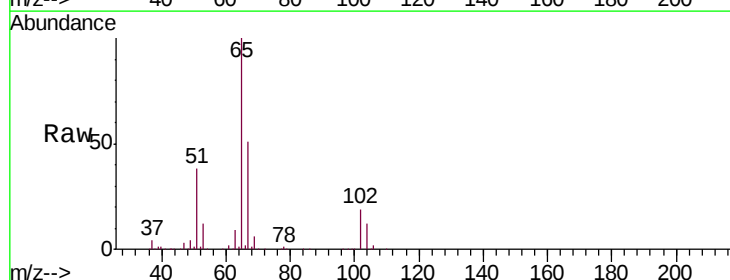
Acq: 26 Aug 2019 20:23

Tgt Ion: 65 Resp: 139495

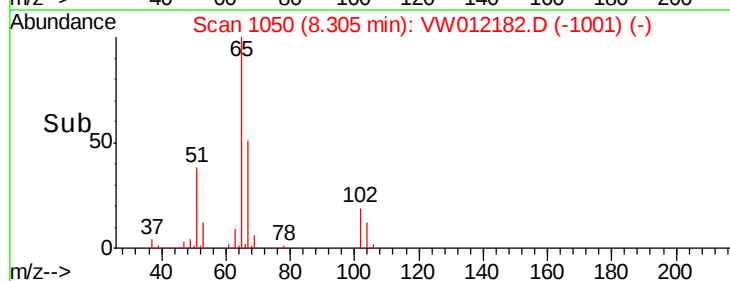
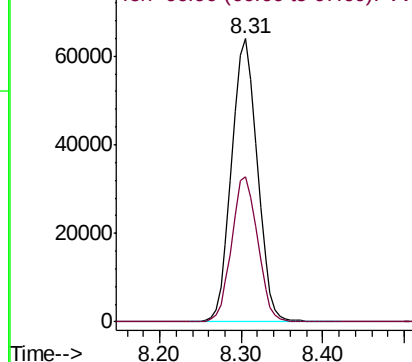
Ion Ratio Lower Upper

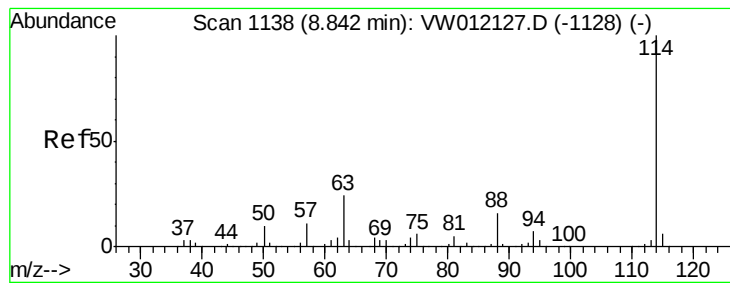
65 100

67 51.7 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: VW012182.D

Acq: 26 Aug 2019 20:23

Instrument :

MSVOA_W

ClientSampleId :

T1-2-E(0)

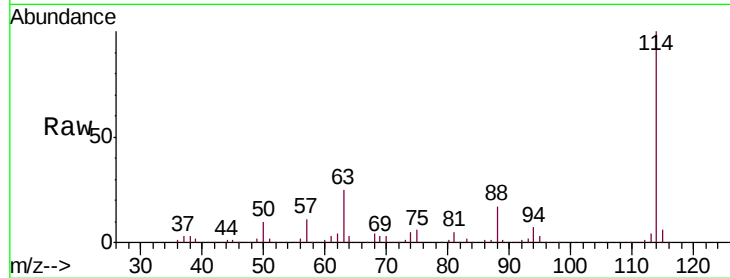
Tgt Ion:114 Resp: 355501

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

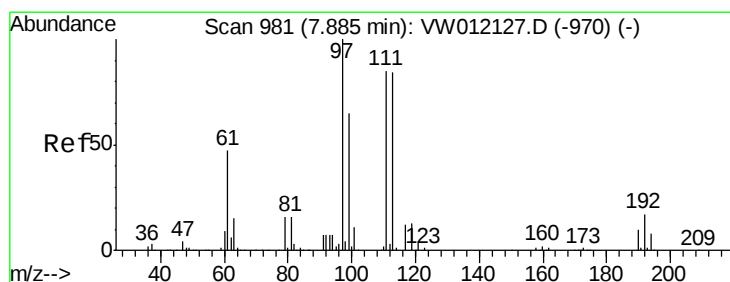
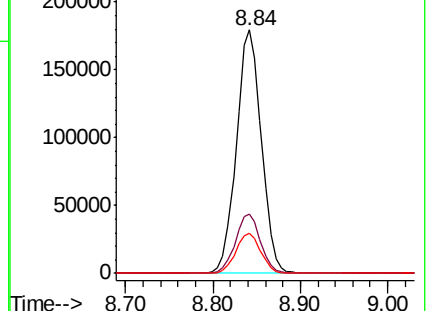
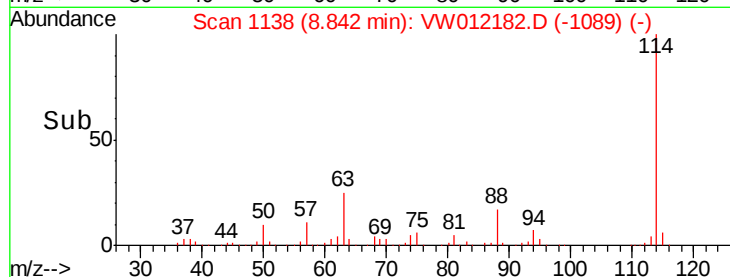
88 16.6 0.0 32.2



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: 52.647 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

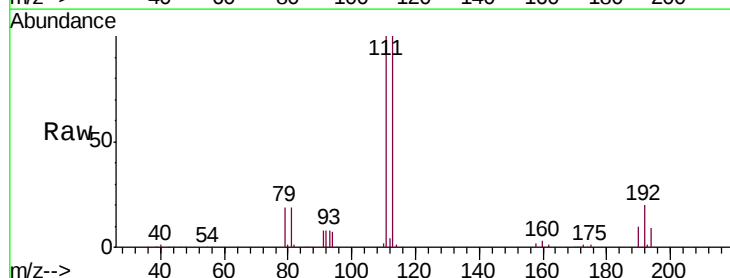
Tgt Ion:113 Resp: 111717

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

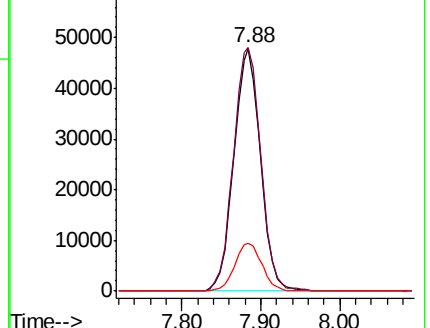
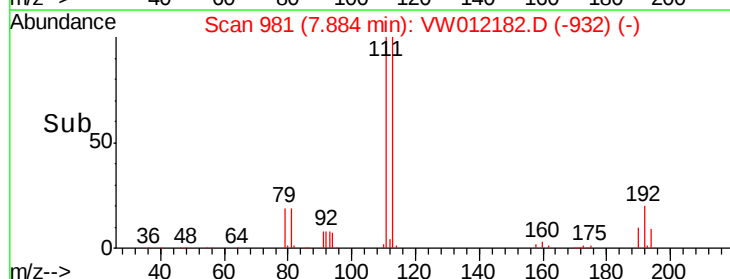
192 20.2 16.2 24.2

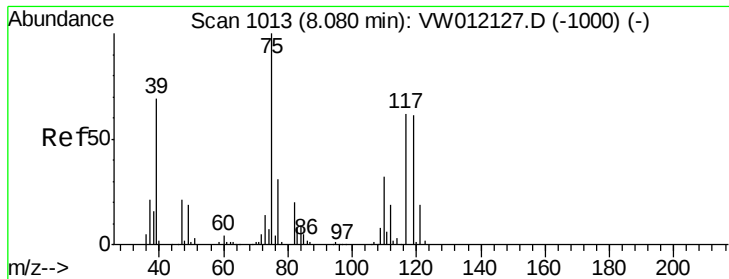


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

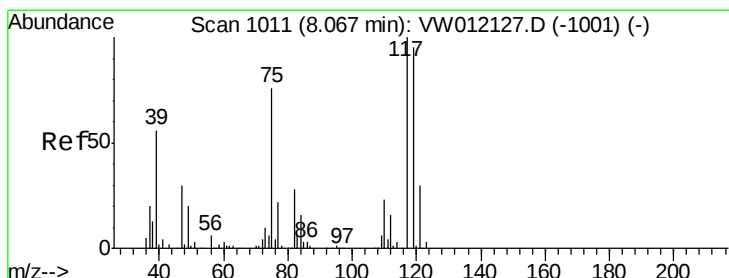
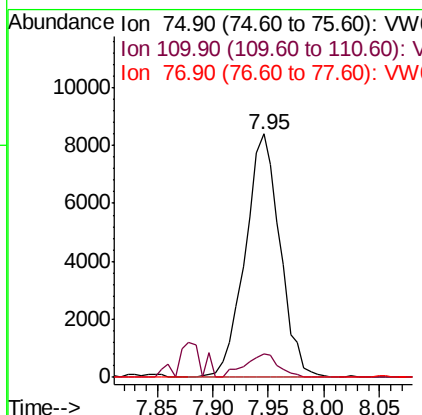
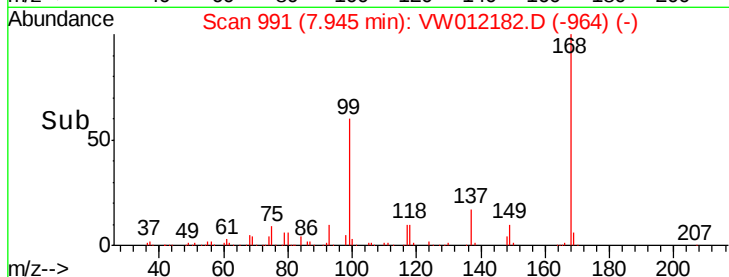
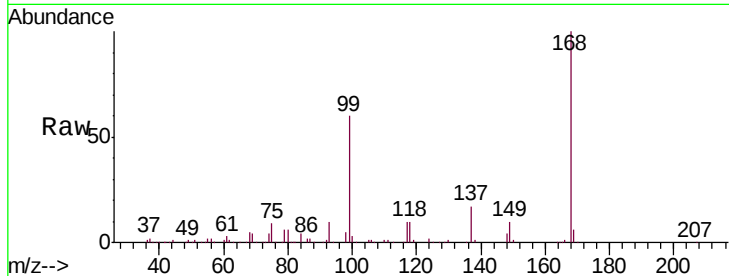




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012182.D
 Acq: 26 Aug 2019 20:23

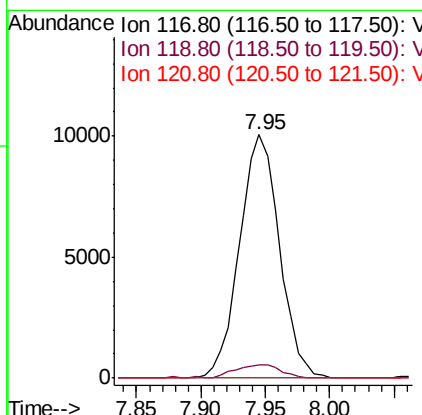
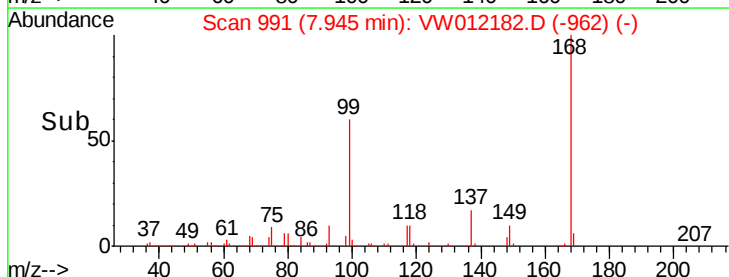
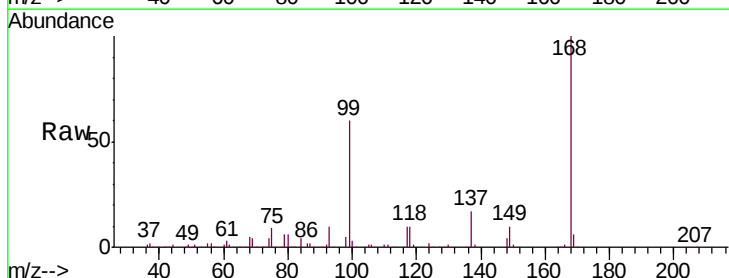
Instrument :
 MSVOA_W
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 T1-2-E(0)

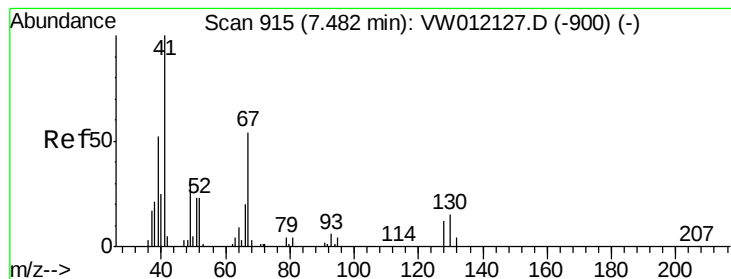
Tgt Ion: 75 Resp: 18306
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.780 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012182.D
 Acq: 26 Aug 2019 20:23

Tgt Ion: 117 Resp: 21558
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.943 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

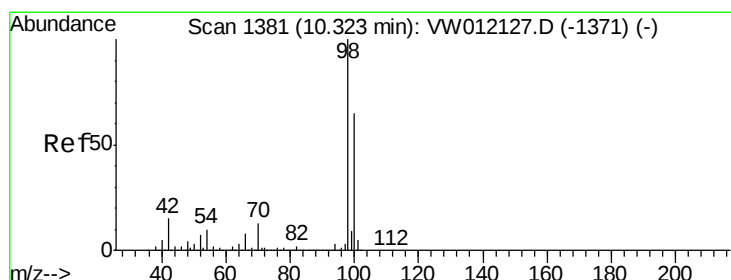
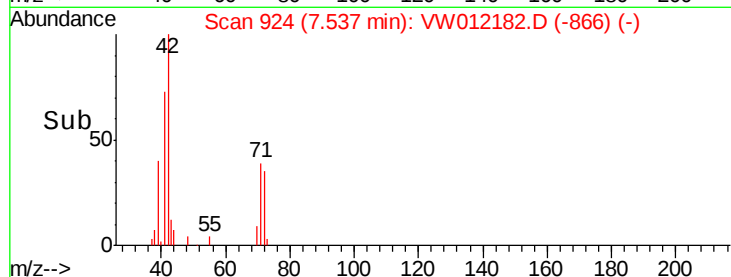
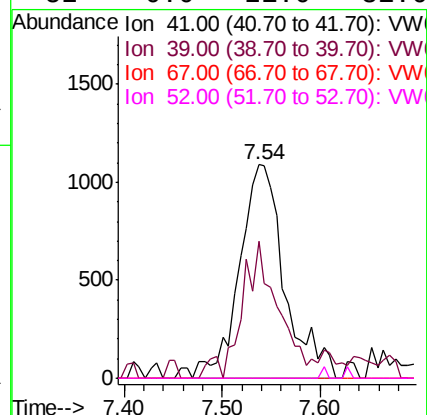
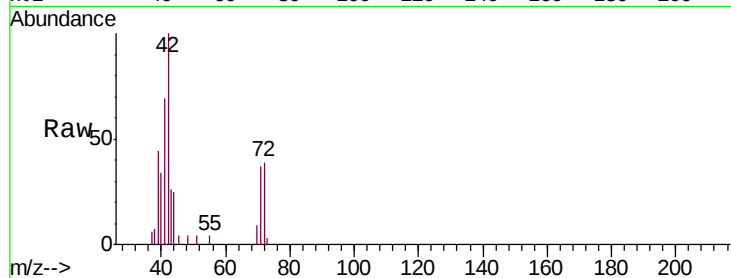
Instrument :

MSVOA_W

ClientSampleId :

T1-2-E(0)

Tgt Ion:	41	Resp:	3482
Ion	Ratio	Lower	Upper
41	100		
39	50.7	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 50.673 ug/l

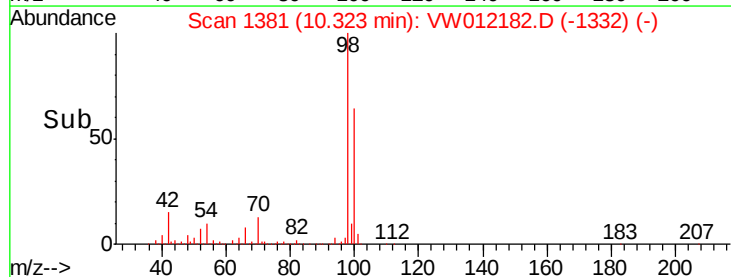
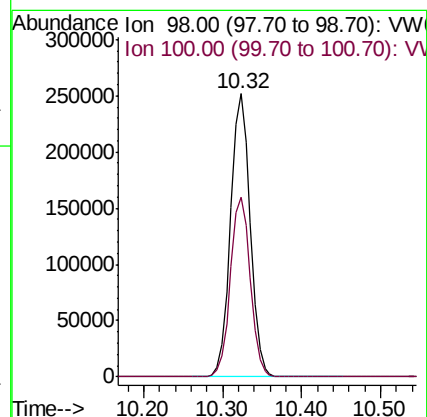
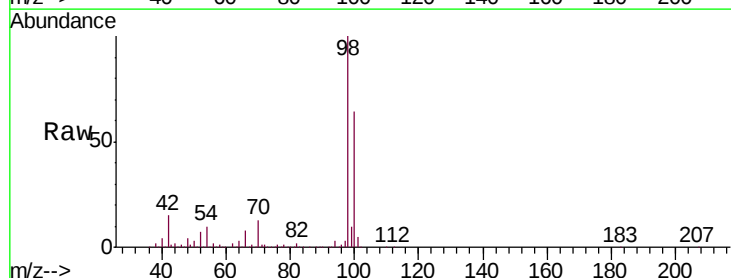
RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

Tgt Ion:	98	Resp:	435994
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.4	78.6

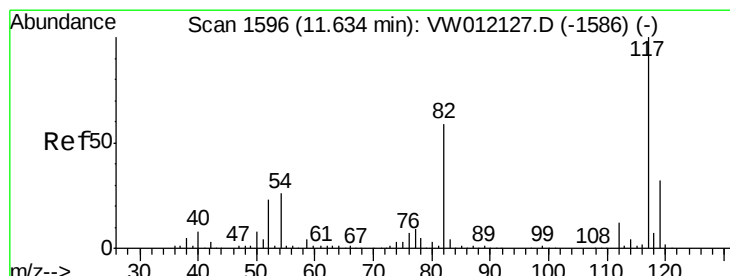
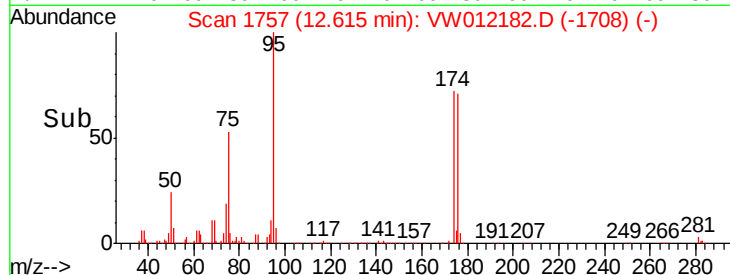
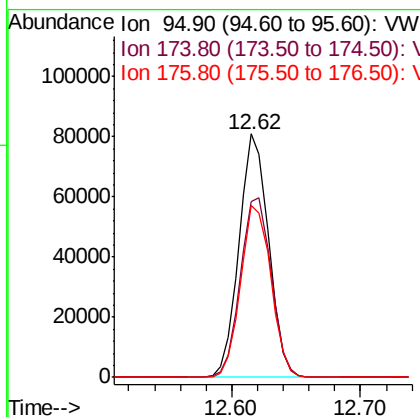
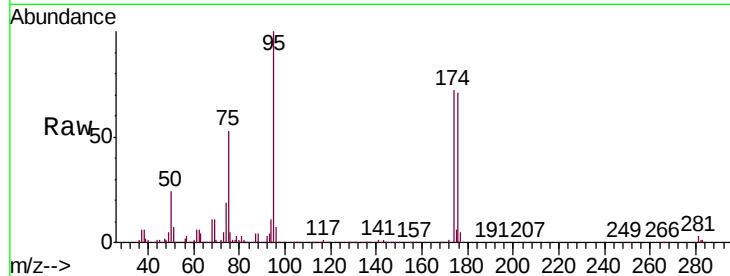




#62
4-Bromofluorobenzene
Concen: 42.290 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

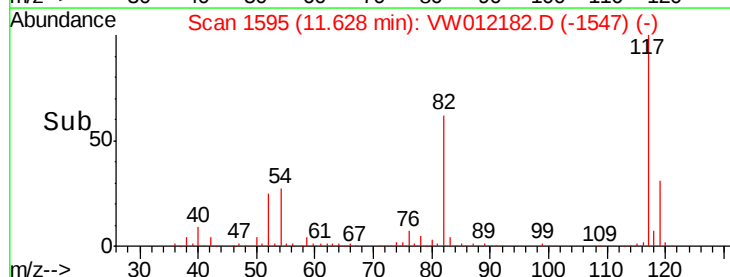
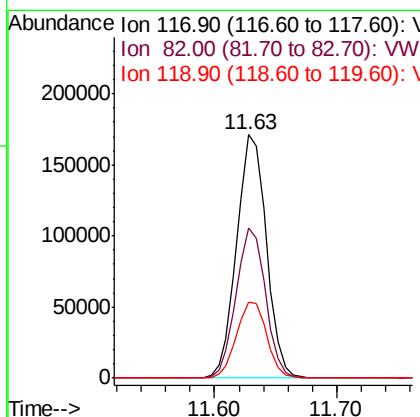
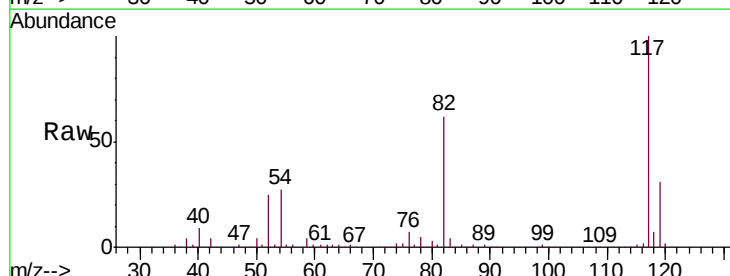
Instrument :
MSVOA_W
ClientSampleId :
T1-2-E-(0)

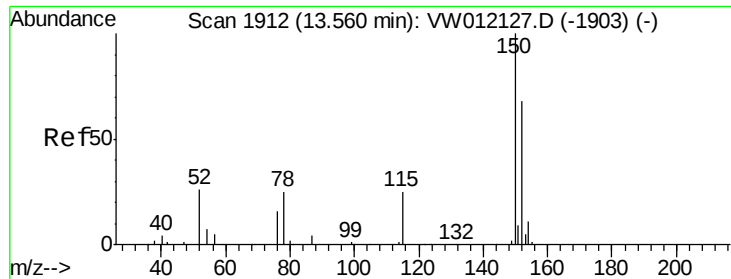
Tgt Ion: 95 Resp: 128262
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.8
176 72.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012182.D
Acq: 26 Aug 2019 20:23

Tgt Ion: 117 Resp: 288904
Ion Ratio Lower Upper
117 100
82 61.6 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: VW012182.D

Acq: 26 Aug 2019 20:23

Instrument :

MSVOA_W

ClientSampleId :

T1-2-E(0)

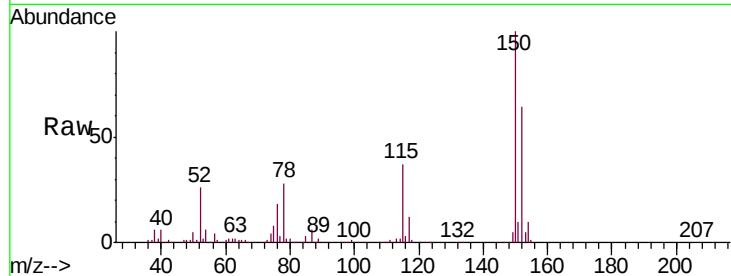
Tgt Ion:152 Resp: 104316

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.3

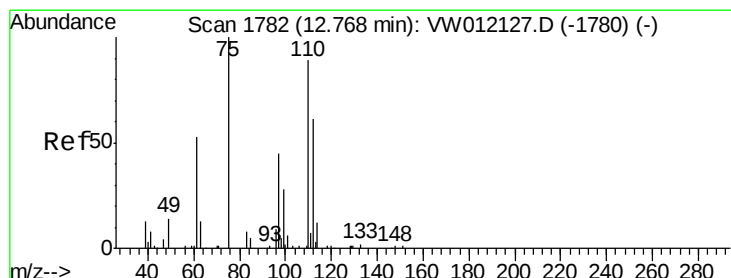
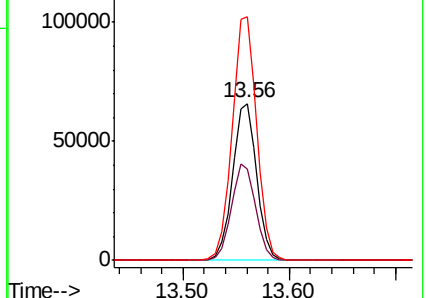
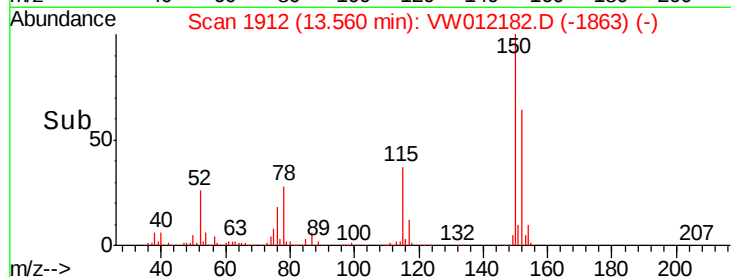
150 158.1 0.0 345.8



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: 66.509 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012182.D

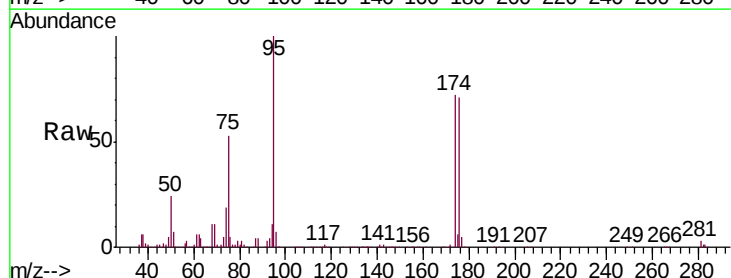
Acq: 26 Aug 2019 20:23

Tgt Ion: 75 Resp: 67571

Ion Ratio Lower Upper

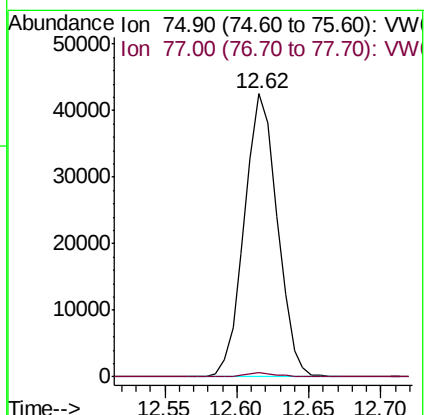
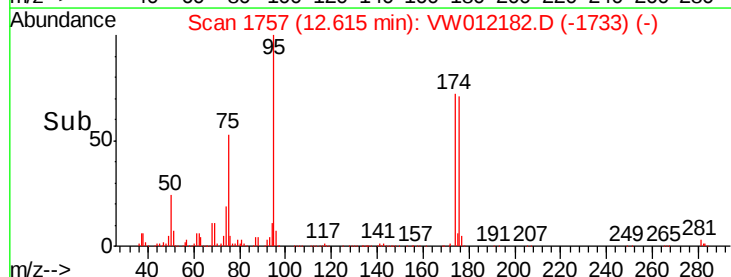
75 100

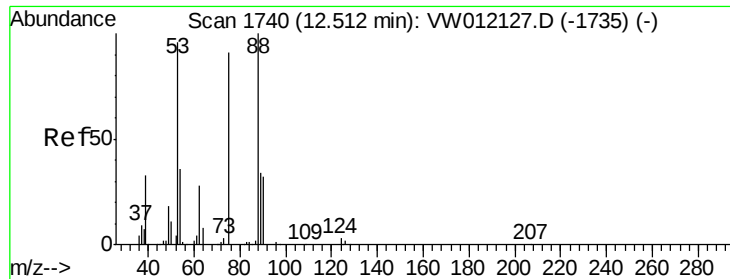
77 1.4 0.0 0.0#



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: 145.824 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

Instrument :

MSVOA_W

ClientSampleId :

T1-2-E-(0)

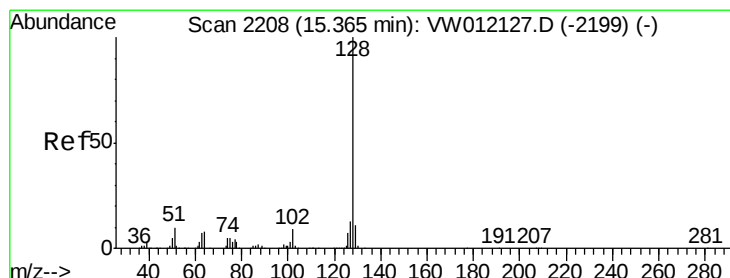
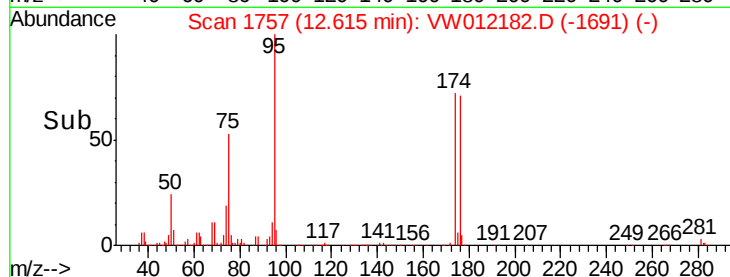
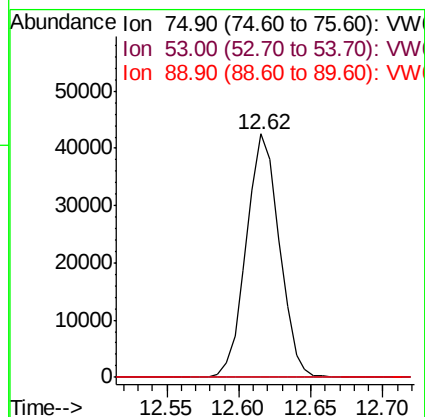
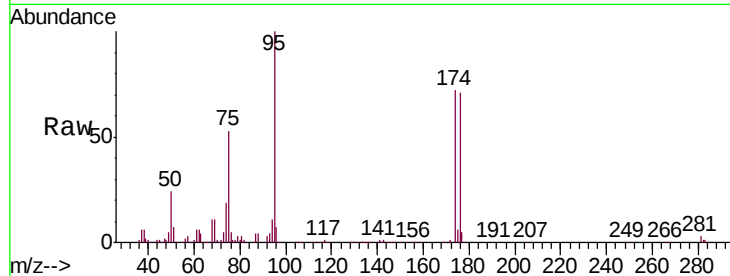
Tgt Ion: 75 Resp: 67571

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.390 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012182.D

Acq: 26 Aug 2019 20:23

Tgt Ion: 128 Resp: 297

Ion Ratio Lower Upper

128 100

127 23.2 10.7 16.1#

129 0.0 8.7 13.1#

