

Data File : VW012187.D
Acq On : 26 Aug 2019 22:32
Operator : SY/VA
Sample : K4472-03
Misc : 4.46G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(0)

Quant Time: Aug 27 05:00:27 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	188282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128014	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	7.88	113	99364	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.32	98	378013	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	105518	39.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.32%	

Target Compounds

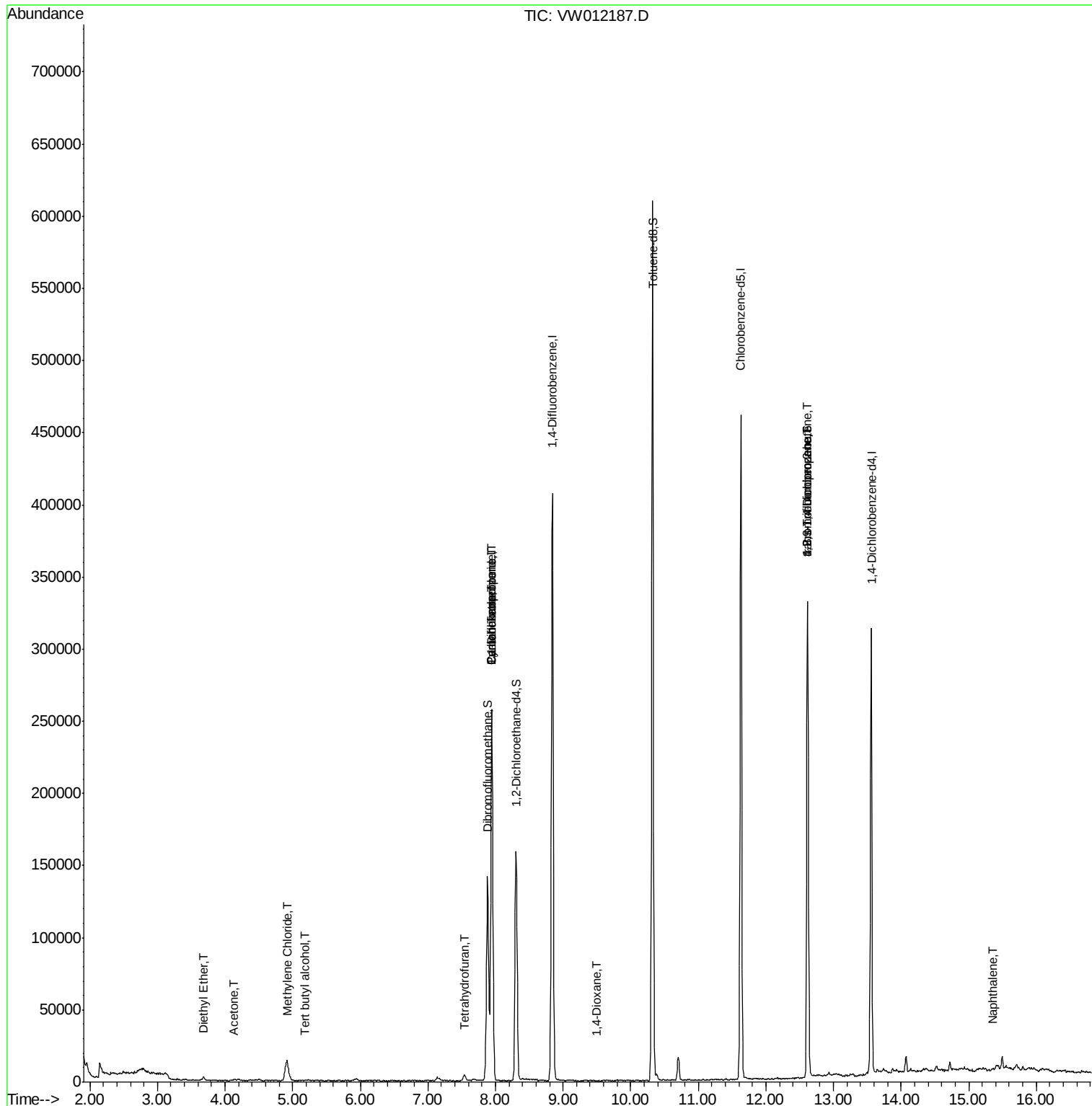
						Qvalue
8) Diethyl Ether	3.67	74	1272	1.214	ug/l	67
11) Tert butyl alcohol	5.17	59	208	1.544	ug/l	98
16) Acetone	4.13	43	1135	1.984	ug/l	92
20) Methylene Chloride	4.92	84	10697	4.946	ug/l	95
29) Tetrahydrofuran	7.54	42	3944	8.455	ug/l	99
31) Cyclohexane	7.94	56	4827	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16330	5.003	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18067	6.395	ug/l #	17
49) 1,4-Dioxane	9.51	88	20	1.224	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56267	76.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56267	167.739	ug/l #	6
95) Naphthalene	15.35	128	159	4.372	ug/l #	13

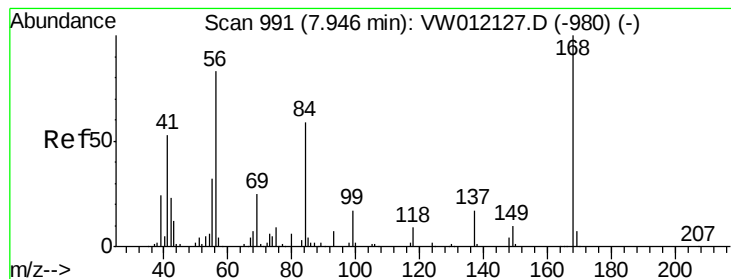
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

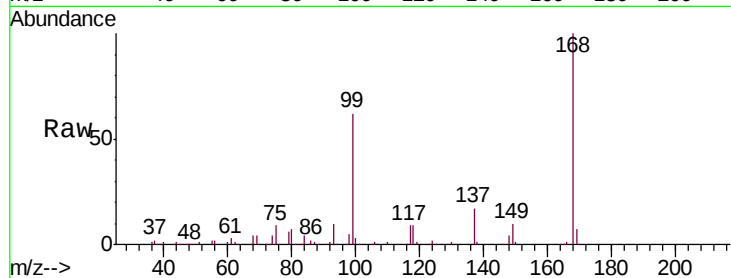
T1-S2-(0)

Tgt Ion:168 Resp: 188282

Ion Ratio Lower Upper

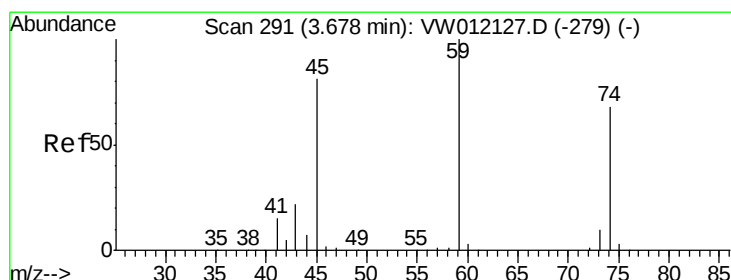
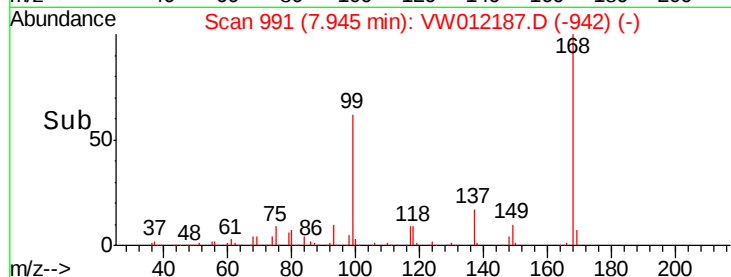
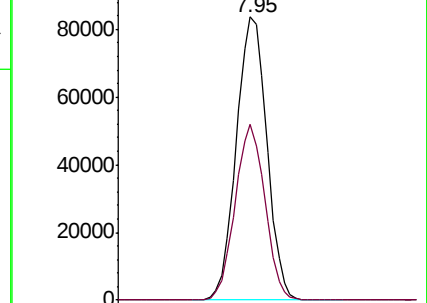
168 100

99 61.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.214 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012187.D

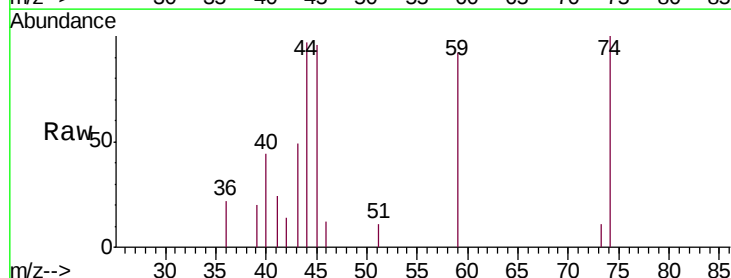
Acq: 26 Aug 2019 22:32

Tgt Ion: 74 Resp: 1272

Ion Ratio Lower Upper

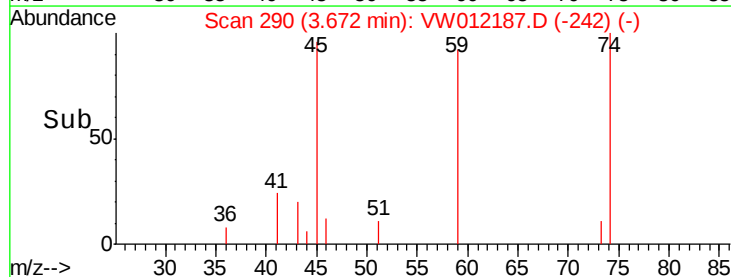
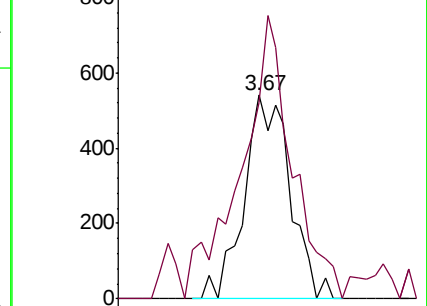
74 100

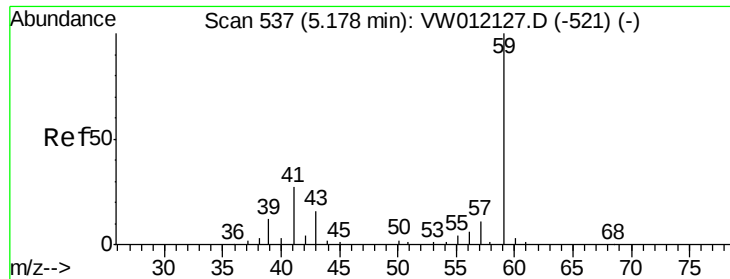
45 154.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

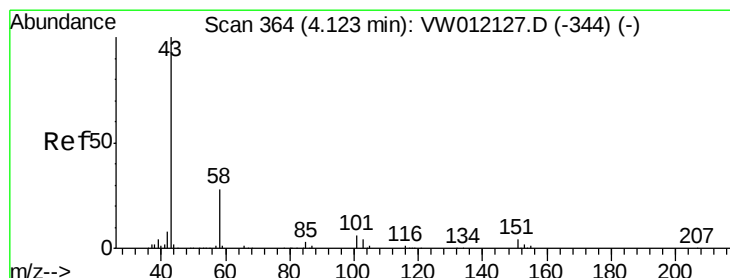
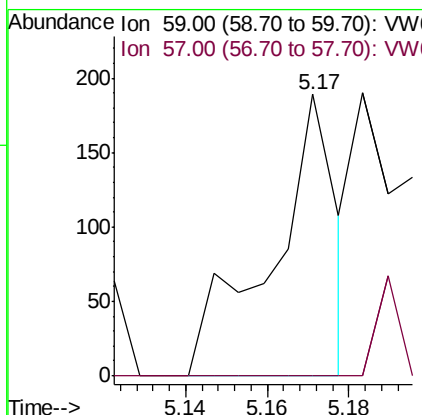
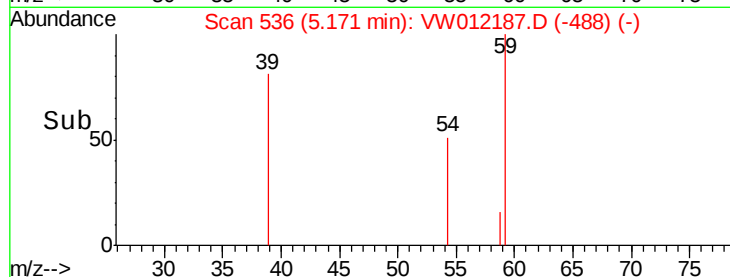
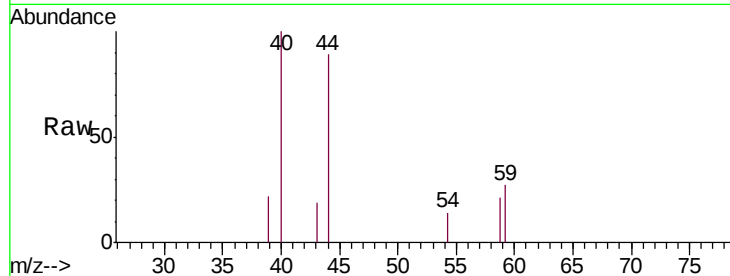




#11
Tert butyl alcohol
Concen: 1.544 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

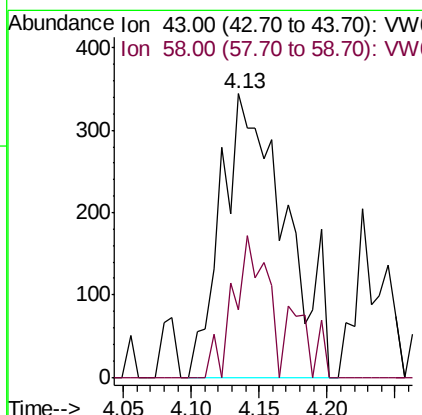
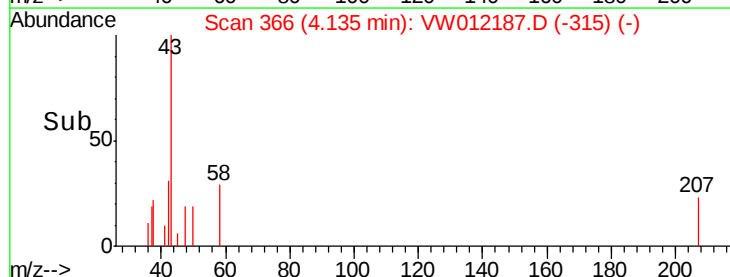
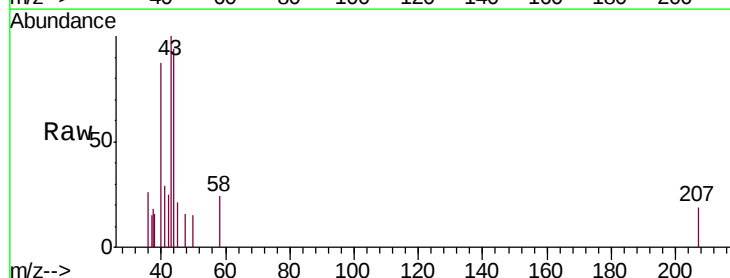
Instrument :
MSVOA_W
ClientSampled :
T1-S2-(0)

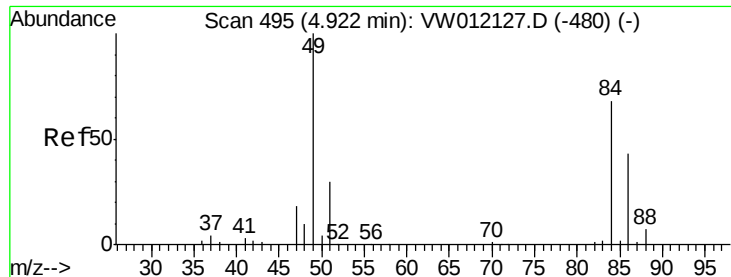
Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 12.0 9.0 13.4



#16
Acetone
Concen: 1.984 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 23.8 22.4 33.6

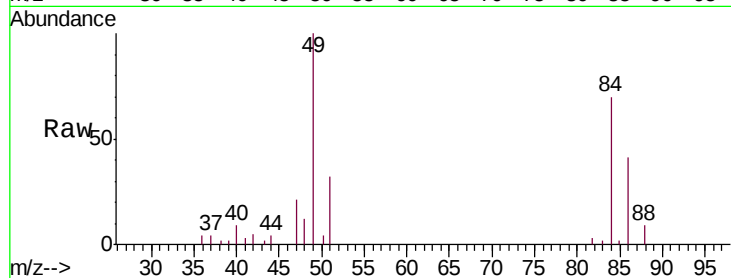




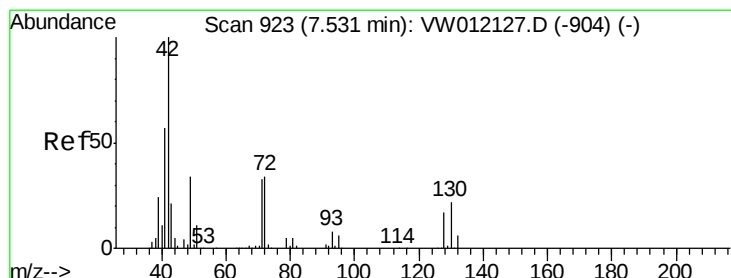
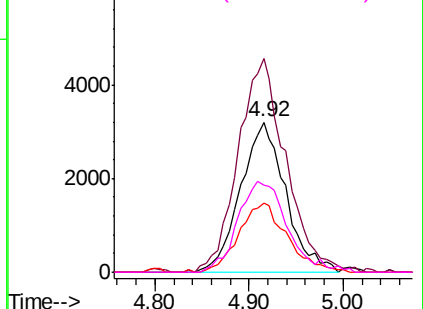
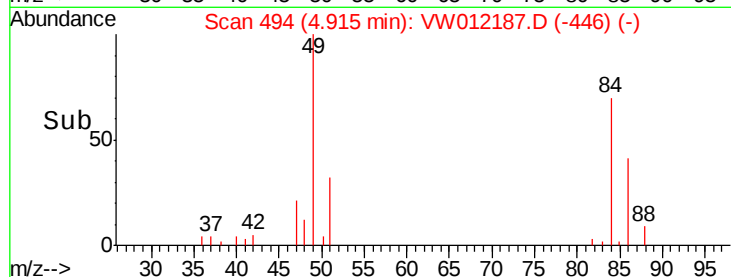
#20
Methylene Chloride
Concen: 4.946 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(0)

Tgt Ion:	84	Resp:	10697
Ion	Ratio	Lower	Upper
84	100		
49	140.4	117.8	176.8
51	44.3	35.6	53.4
86	58.2	51.2	76.8

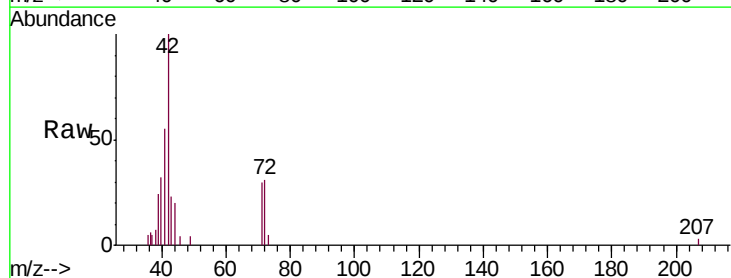


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

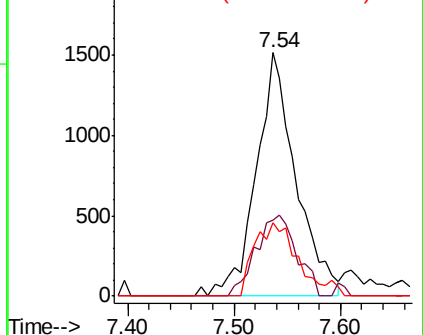
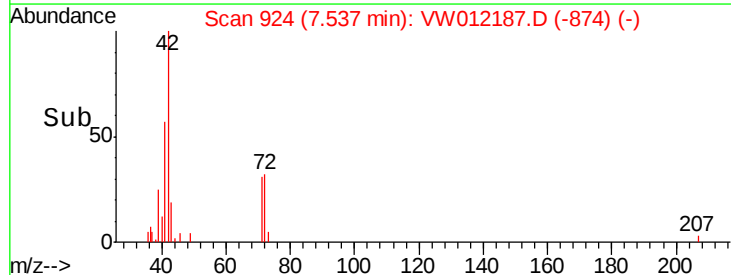


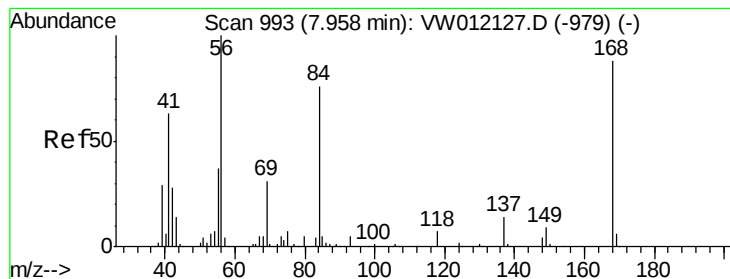
#29
Tetrahydrofuran
Concen: 8.455 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

Tgt Ion:	42	Resp:	3944
Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	33.3	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: 1.197 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(0)

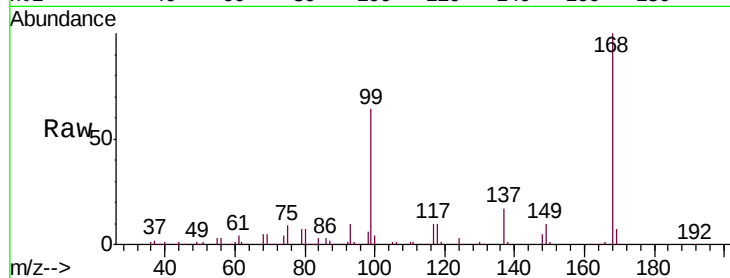
Tgt Ion: 56 Resp: 4827

Ion Ratio Lower Upper

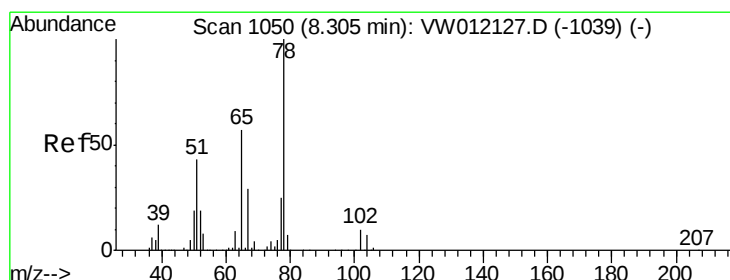
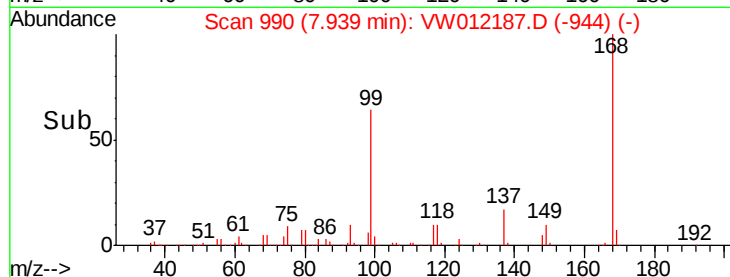
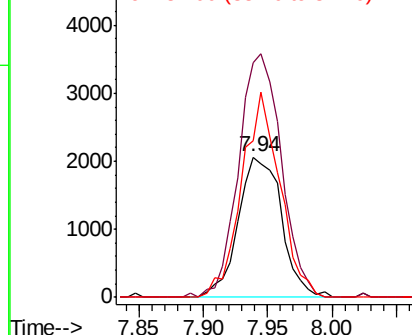
56 100

69 167.4 24.9 37.3#

84 111.5 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: 57.195 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012187.D

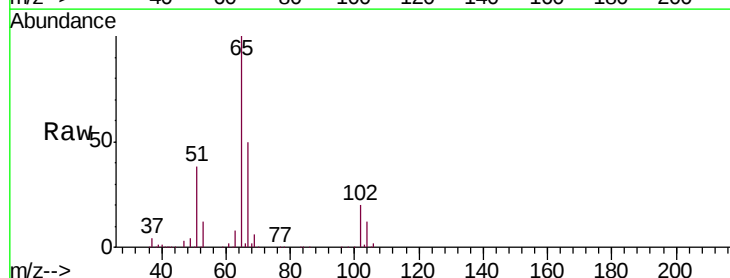
Acq: 26 Aug 2019 22:32

Tgt Ion: 65 Resp: 128014

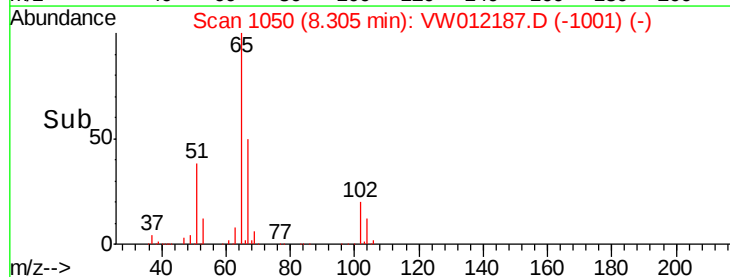
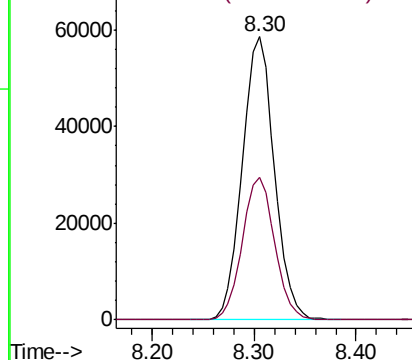
Ion Ratio Lower Upper

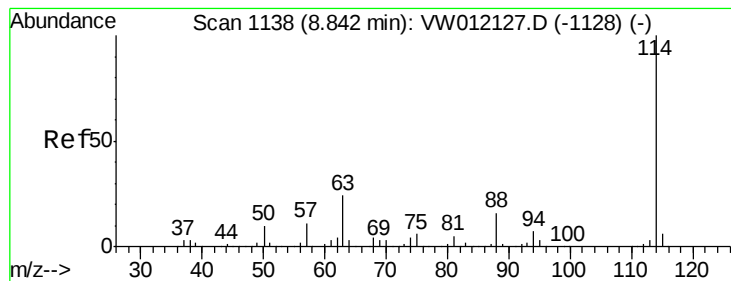
65 100

67 50.9 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: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(0)

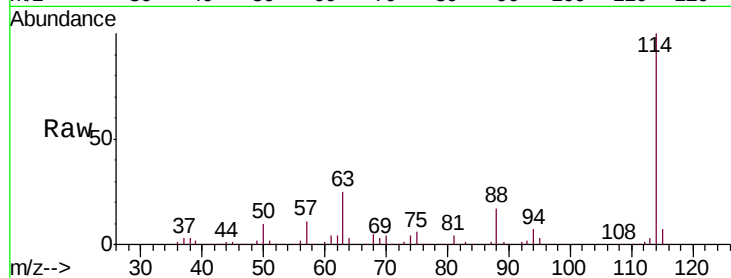
Tgt Ion:114 Resp: 315875

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

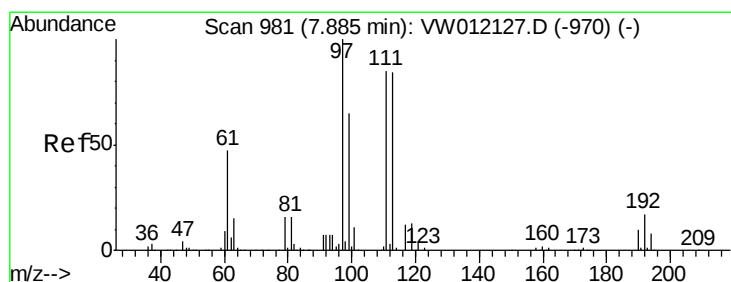
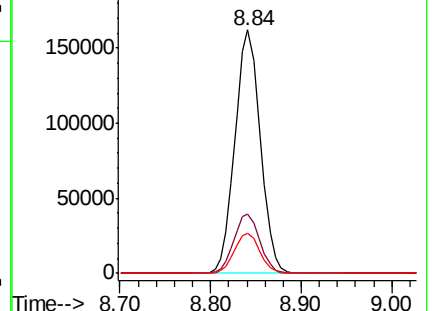
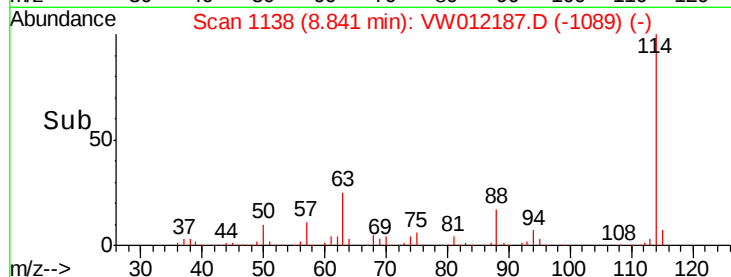
88 16.5 0.0 32.2



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: 52.700 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012187.D

Acq: 26 Aug 2019 22:32

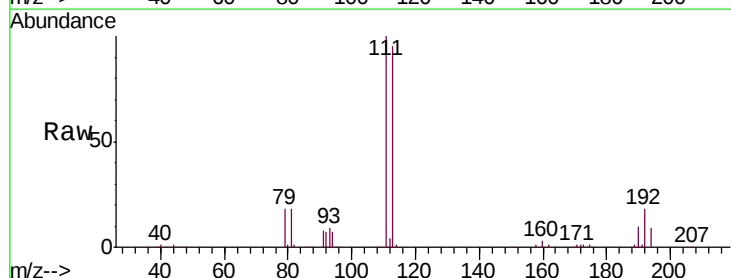
Tgt Ion:113 Resp: 99364

Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

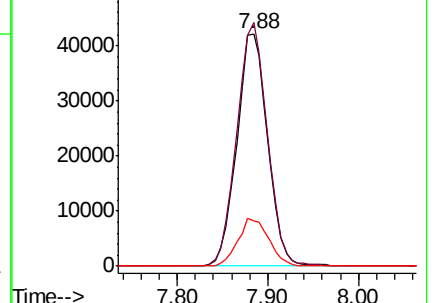
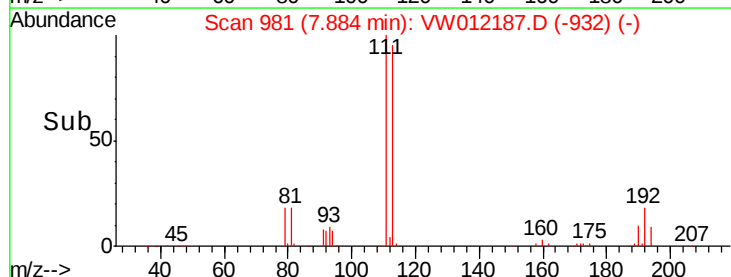
192 20.5 16.2 24.2

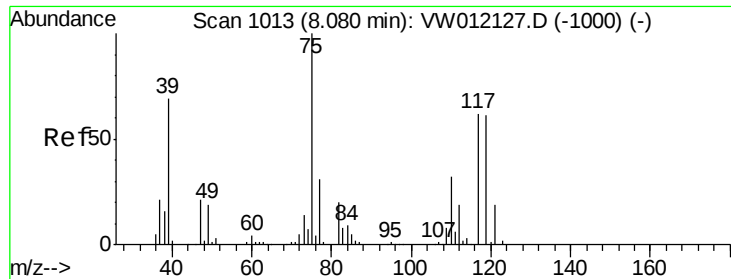


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

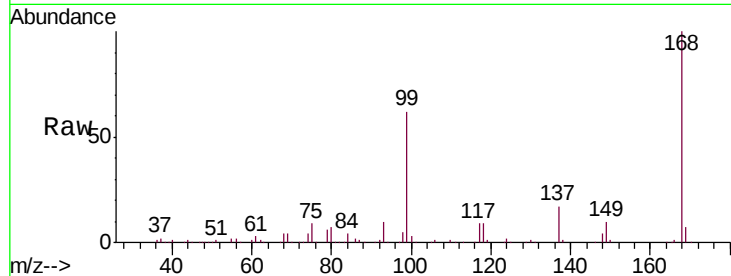




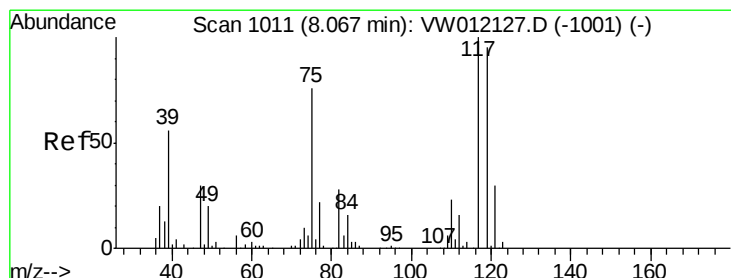
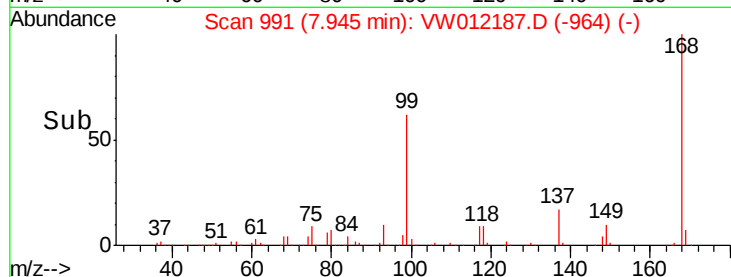
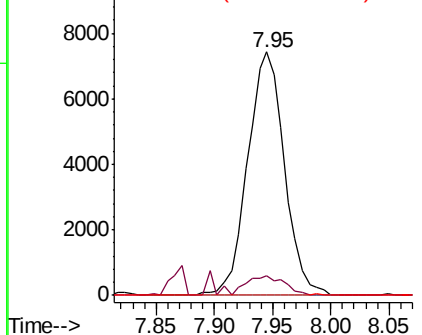
#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012187.D
 Acq: 26 Aug 2019 22:32

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S2-(0)

Tgt Ion: 75 Resp: 16330
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.6 46.8#
 77 0.0 24.6 36.8#

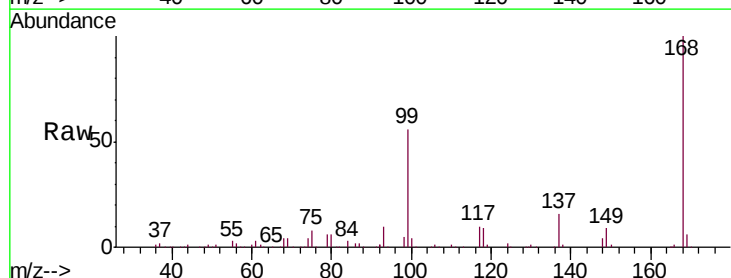


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

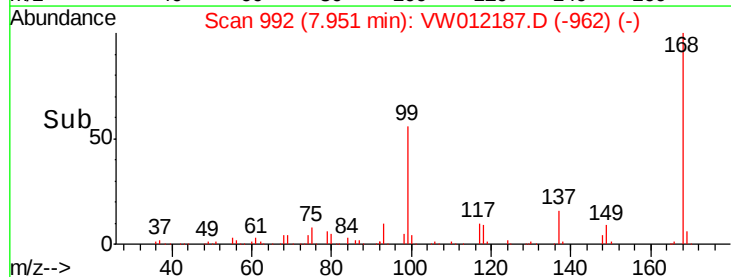
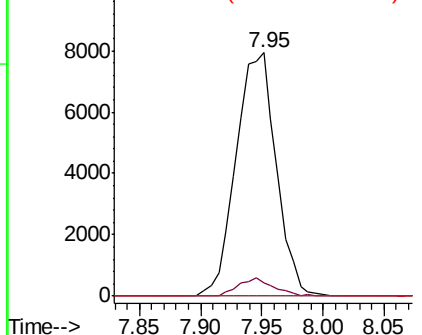


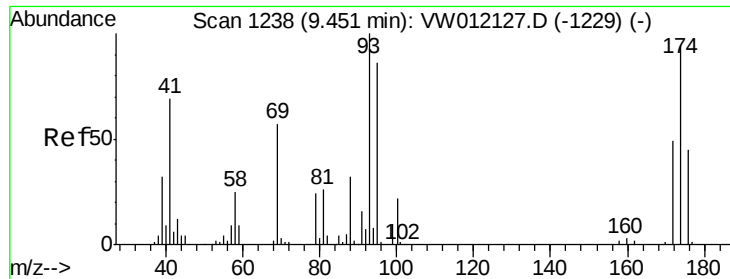
#38
 Carbon Tetrachloride
 Concen: 6.395 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012187.D
 Acq: 26 Aug 2019 22:32

Tgt Ion: 117 Resp: 18067
 Ion Ratio Lower Upper
 117 100
 119 5.4 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





#49

1,4-Dioxane

Concen: 1.224 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.05 min

Lab File: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(0)

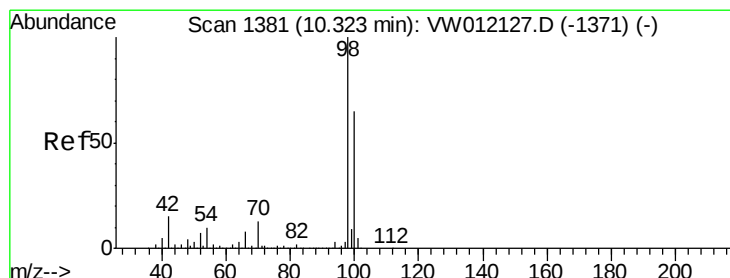
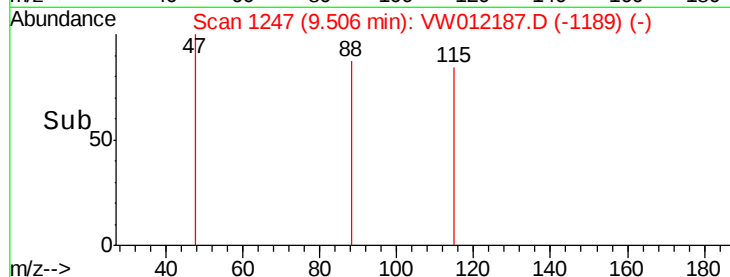
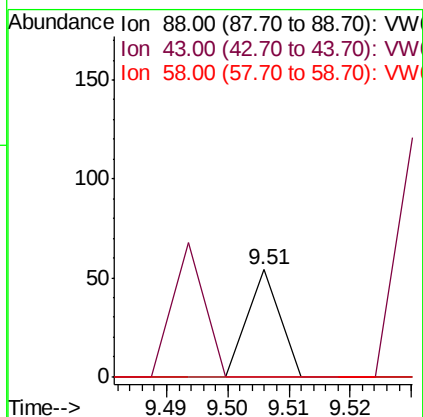
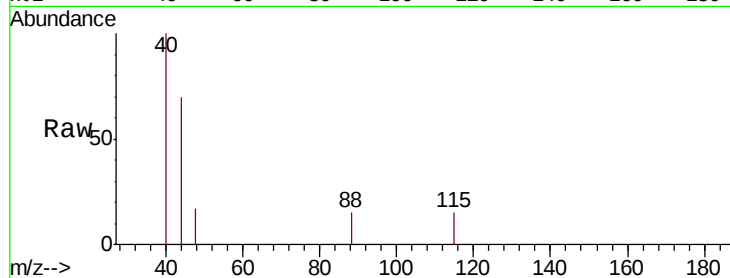
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 125.0 32.9 49.3#

58 0.0 71.0 106.4#



#50

Toluene-d8

Concen: 49.446 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012187.D

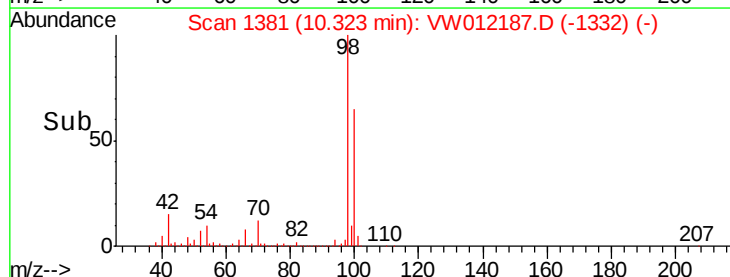
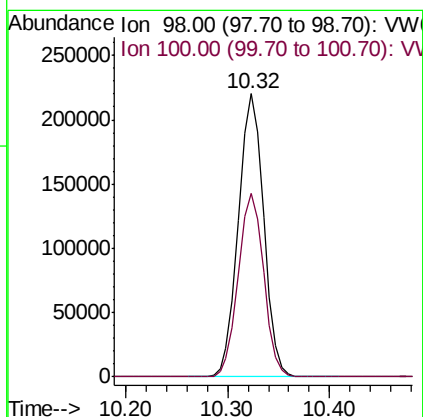
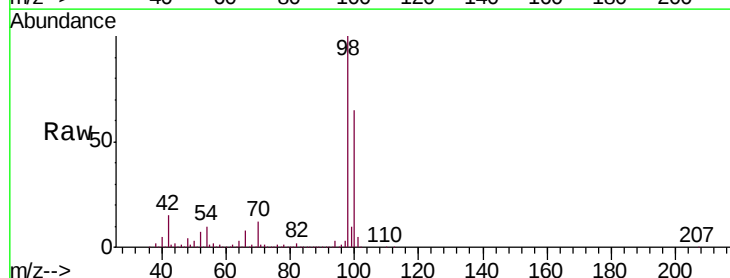
Acq: 26 Aug 2019 22:32

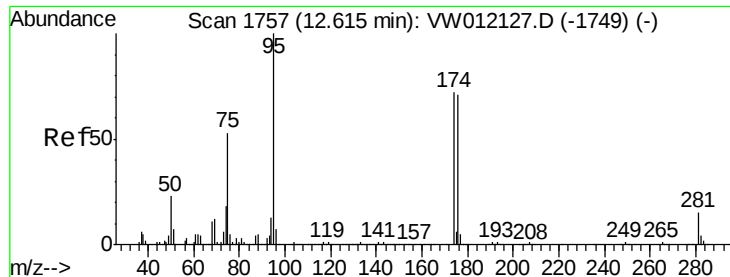
Tgt Ion: 98 Resp: 378013

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

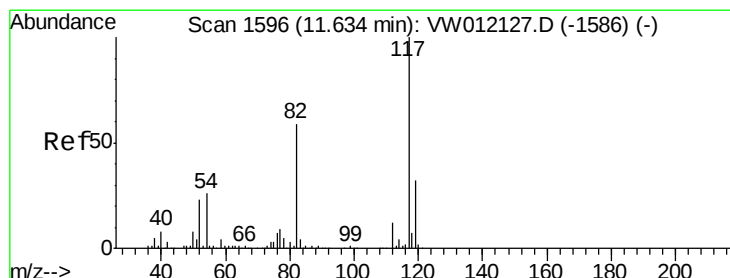
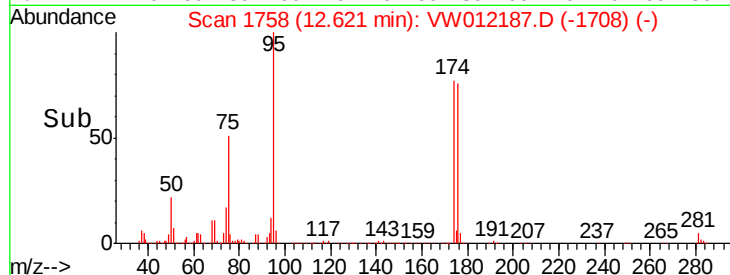
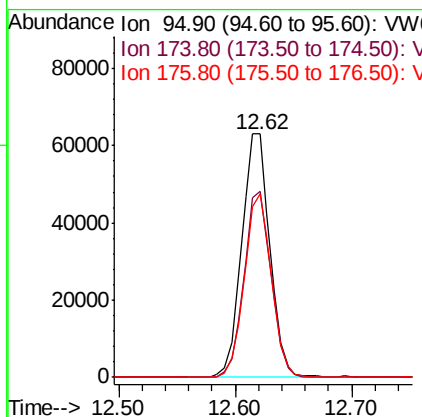
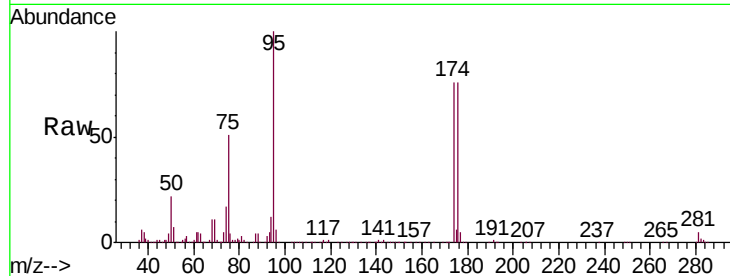




#62
4-Bromofluorobenzene
Concen: 39.155 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

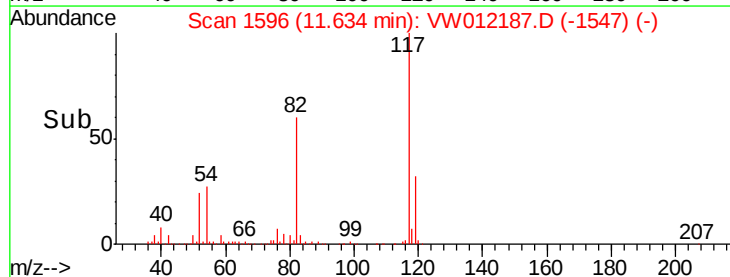
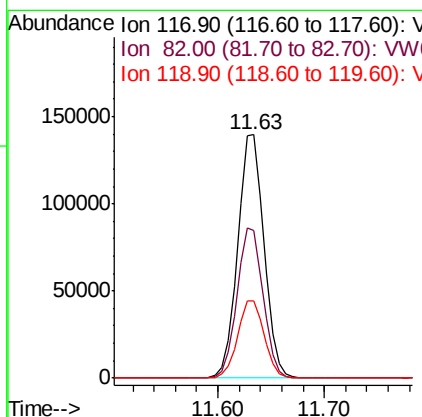
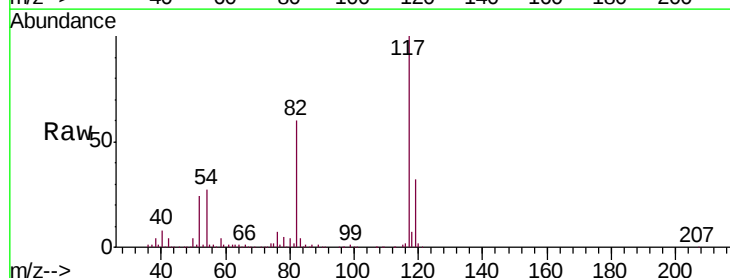
Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(0)

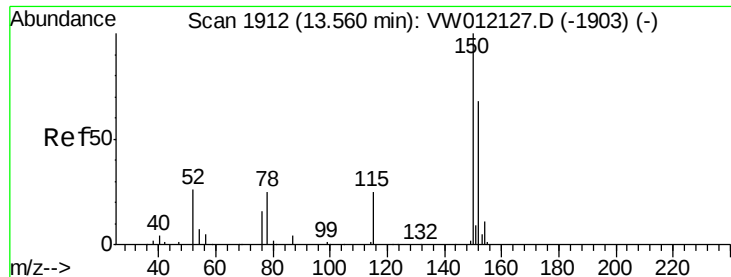
Tgt Ion: 95 Resp: 105518
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.8
176 72.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012187.D
Acq: 26 Aug 2019 22:32

Tgt Ion: 117 Resp: 242506
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.7 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: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(0)

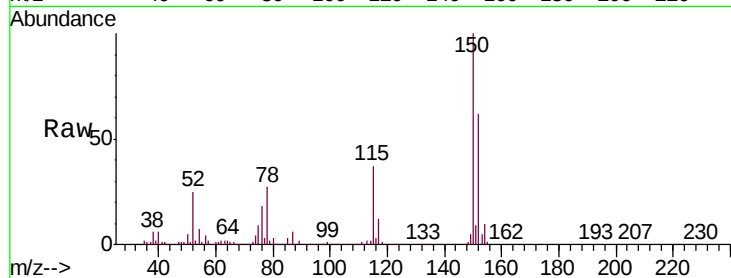
Tgt Ion:152 Resp: 75516

Ion Ratio Lower Upper

152 100

115 62.0 30.1 90.3

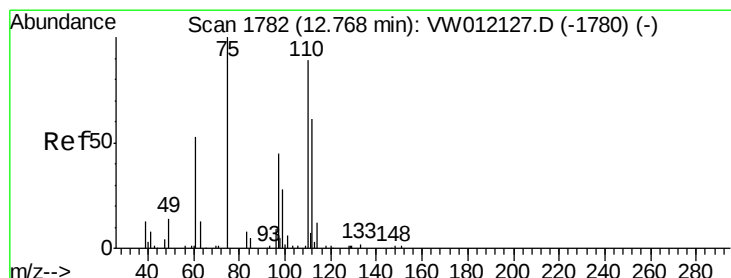
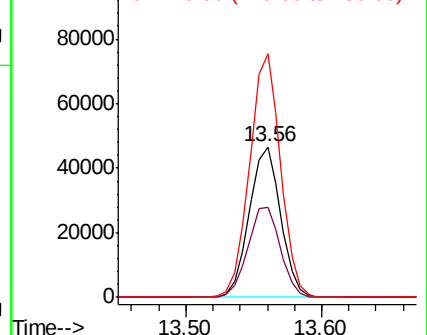
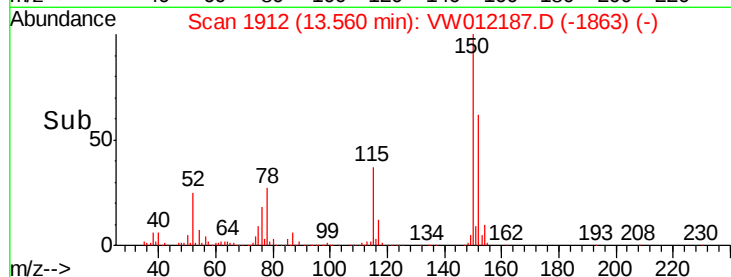
150 159.0 0.0 345.8



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: 76.505 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012187.D

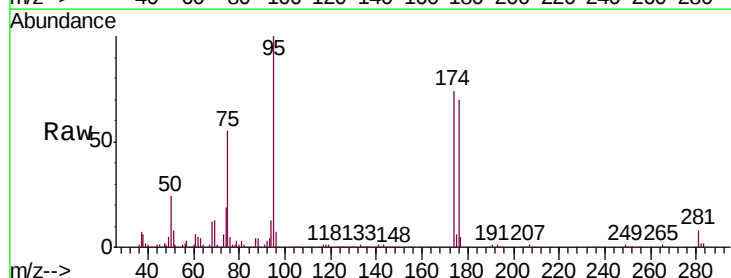
Acq: 26 Aug 2019 22:32

Tgt Ion: 75 Resp: 56267

Ion Ratio Lower Upper

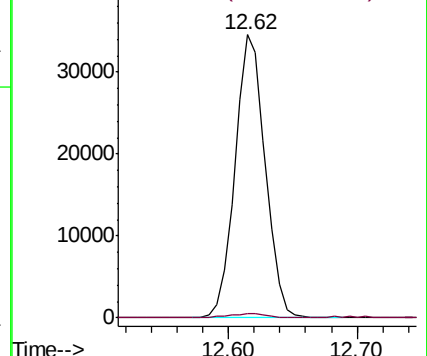
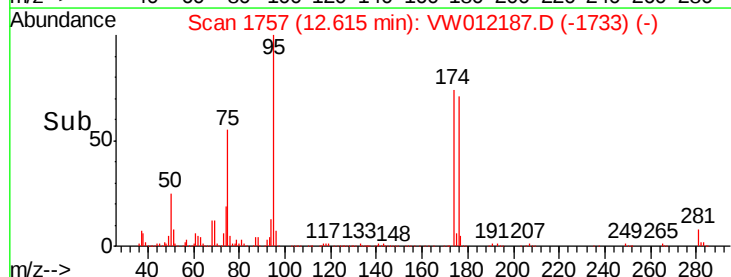
75 100

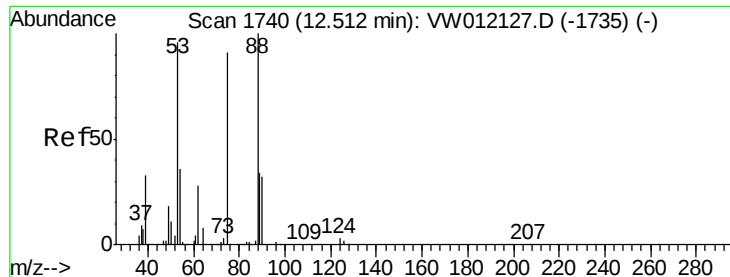
77 1.9 0.0 0.0#



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: 167.739 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012187.D

Acq: 26 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(0)

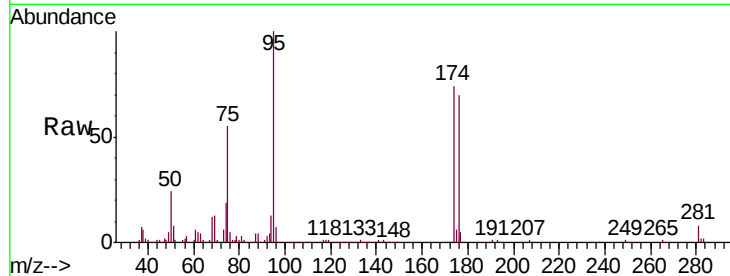
Tgt Ion: 75 Resp: 56267

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

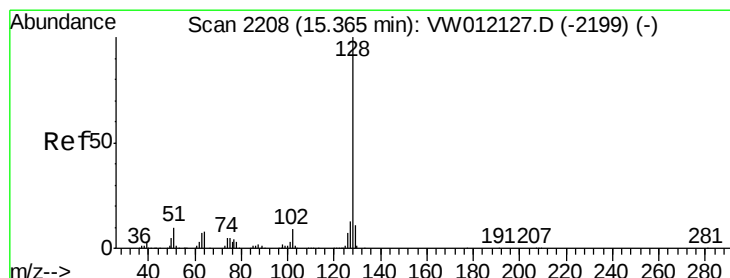
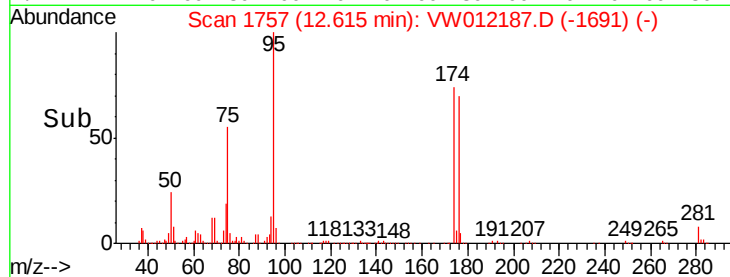
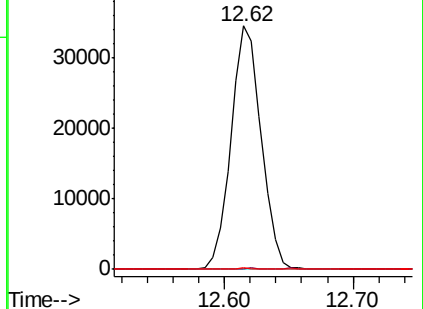
89 0.4 34.5 51.7#



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: 4.372 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012187.D

Acq: 26 Aug 2019 22:32

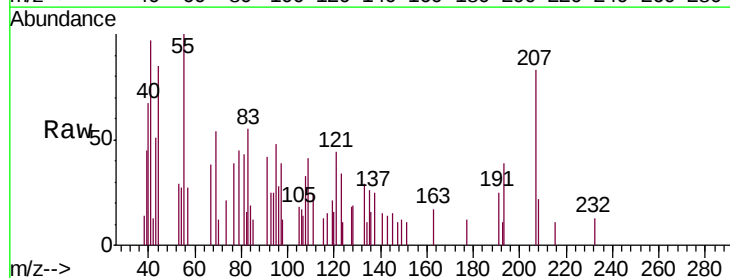
Tgt Ion: 128 Resp: 159

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 69.2 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

