

Data File : VW012178.D
Acq On : 26 Aug 2019 18:40
Operator : SY/VA
Sample : K4090-13RE
Misc : 5790G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-03-082219

Quant Time: Aug 27 04:58:15 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	202235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134662	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
35) Dibromofluoromethane	7.88	113	106918	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	406274	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	120589	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	

Target Compounds

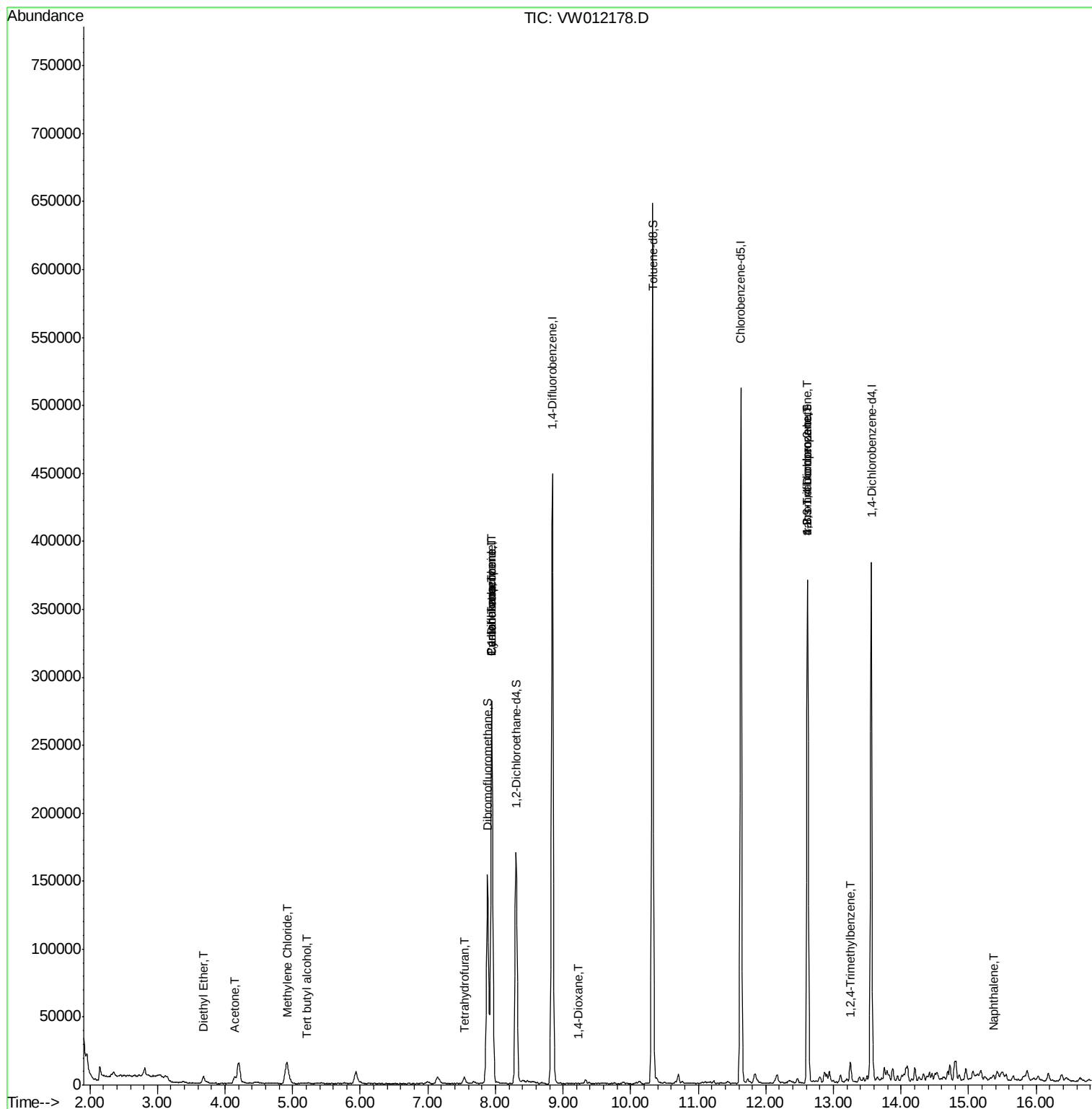
						Qvalue
8) Diethyl Ether	3.68	74	2499	2.220	ug/l	88
11) Tert butyl alcohol	5.22	59	1237	8.550	ug/l #	76
16) Acetone	4.14	43	11060	17.997	ug/l	94
20) Methylene Chloride	4.92	84	11781	5.071	ug/l	97
29) Tetrahydrofuran	7.54	42	4072	8.128	ug/l	98
31) Cyclohexane	7.94	56	5675	1.311	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	17510	4.971	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20388	6.687	ug/l #	17
49) 1,4-Dioxane	9.21	88	21	1.191	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	64596	70.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64596	154.487	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	8037	1.357	ug/l	98
95) Naphthalene	15.37	128	2738	5.026	ug/l #	94

(#) = 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: VW012178.D

Acq: 26 Aug 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

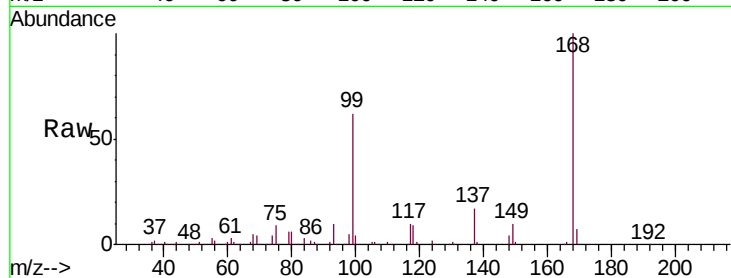
OR-03-082219

Tgt Ion:168 Resp: 202235

Ion Ratio Lower Upper

168 100

99 61.8 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

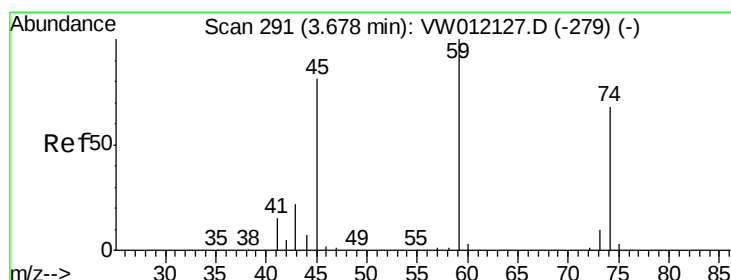
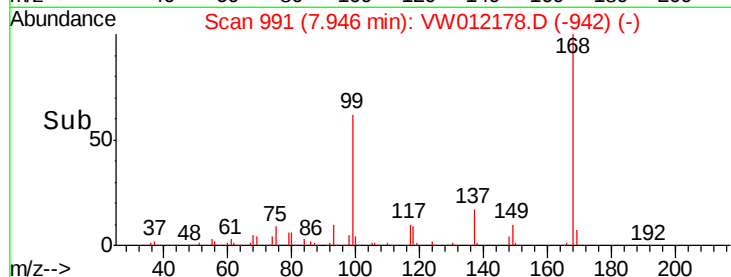
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.220 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012178.D

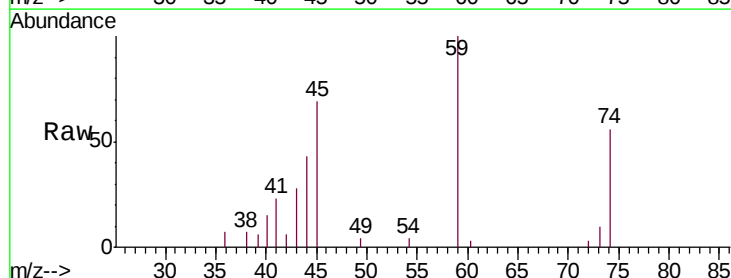
Acq: 26 Aug 2019 18:40

Tgt Ion: 74 Resp: 2499

Ion Ratio Lower Upper

74 100

45 131.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

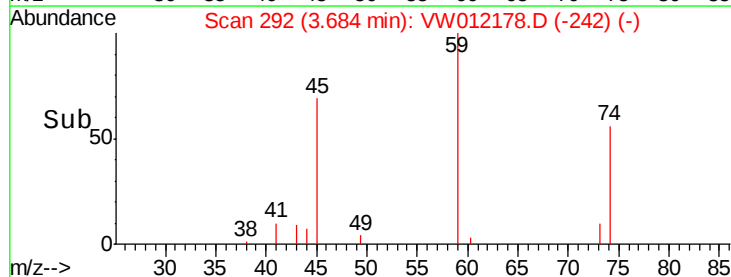
1500

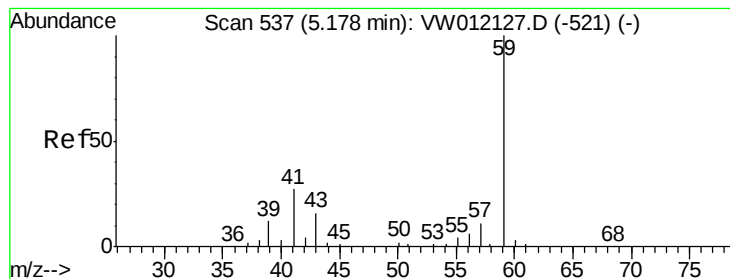
1000

500

0

Time-->



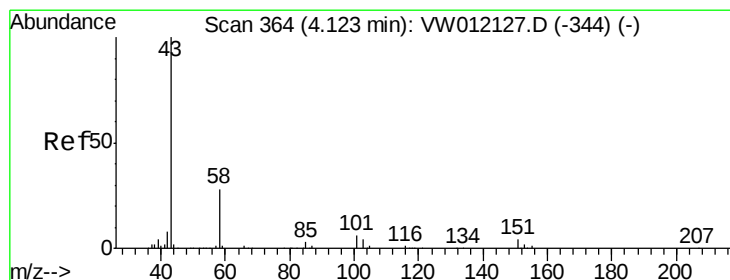
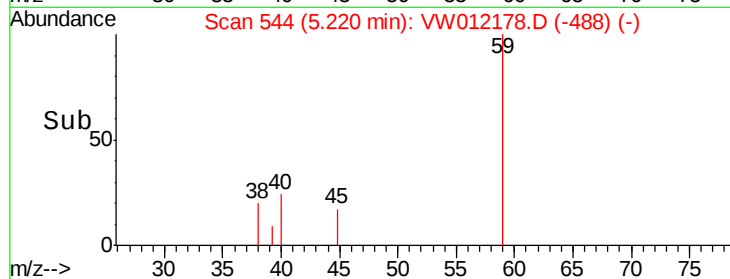
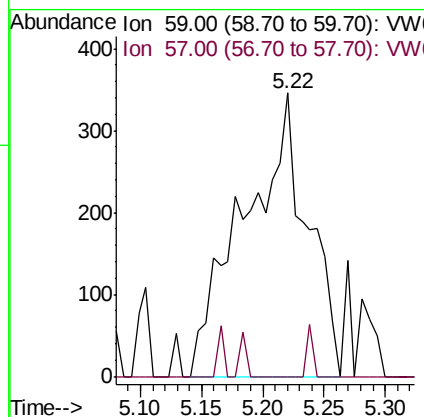
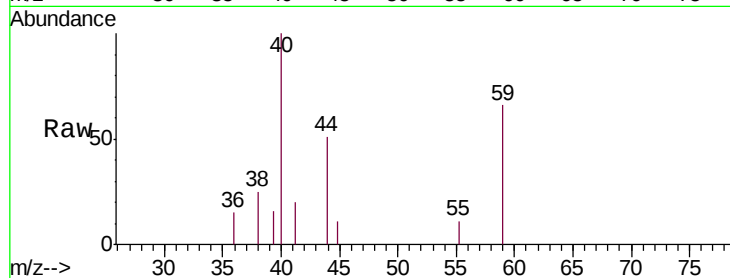


#11

Tert butyl alcohol
 Concen: 8.550 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.04 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-082219

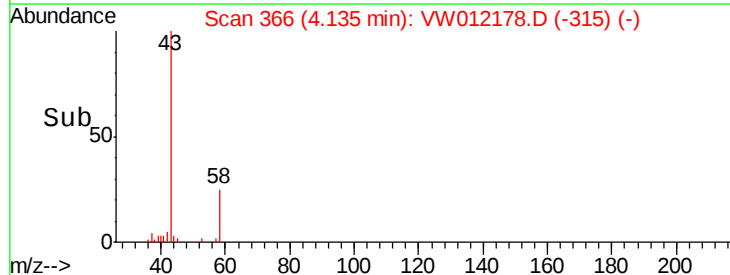
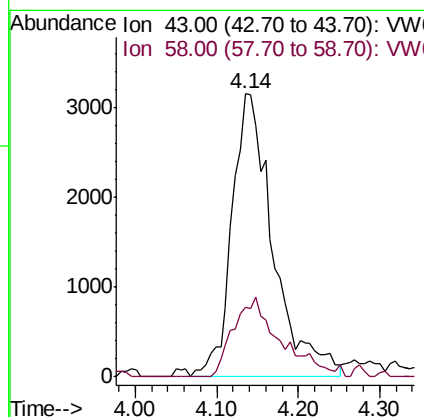
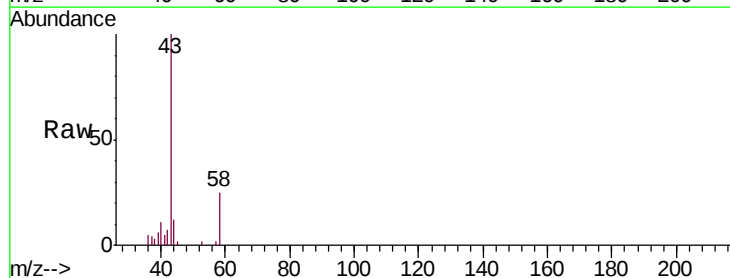
Tgt Ion: 59 Resp: 1237
 Ion Ratio Lower Upper
 59 100
 57 1.9 9.0 13.4#

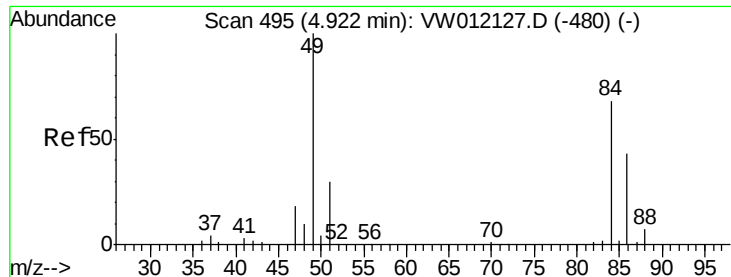


#16

Acetone
 Concen: 17.997 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

Tgt Ion: 43 Resp: 11060
 Ion Ratio Lower Upper
 43 100
 58 24.8 22.4 33.6

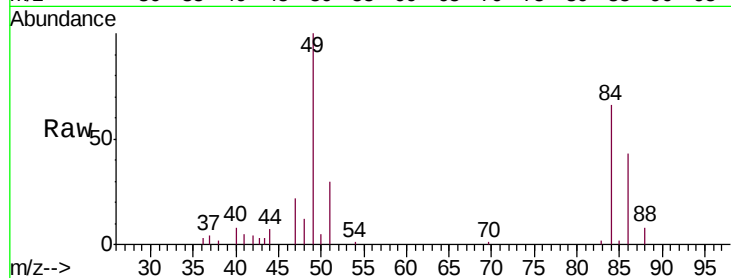




#20
Methylene Chloride
Concen: 5.071 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012178.D
Acq: 26 Aug 2019 18:40

Instrument :
MSVOA_W
ClientSampleId :
OR-03-082219

Tgt Ion:	84	Resp:	11781
Ion	Ratio	Lower	Upper
84	100		
49	152.2	117.8	176.8
51	45.3	35.6	53.4
86	65.6	51.2	76.8



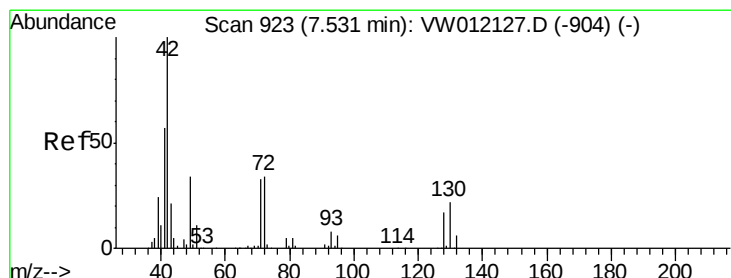
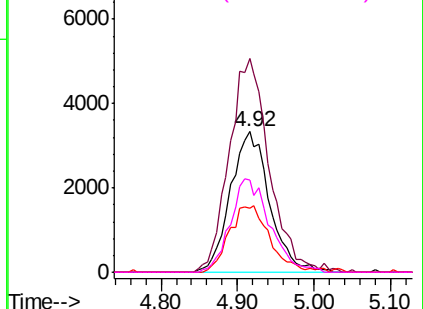
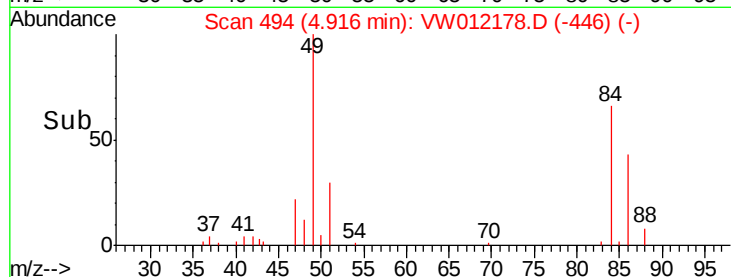
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

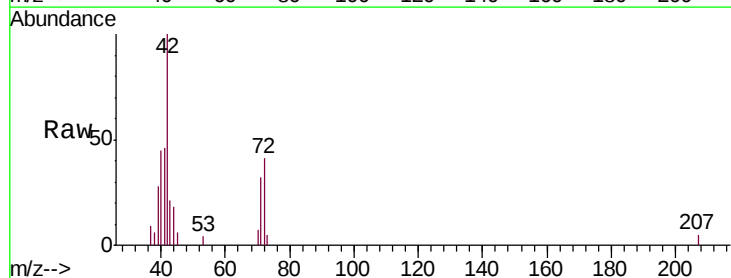
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 8.128 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012178.D
Acq: 26 Aug 2019 18:40

Tgt Ion:	42	Resp:	4072
Ion	Ratio	Lower	Upper
42	100		
72	35.6	27.3	40.9
71	32.2	25.5	38.3

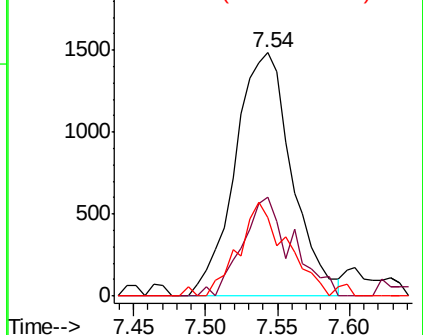
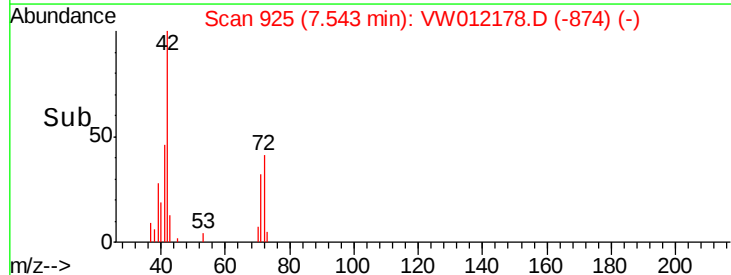


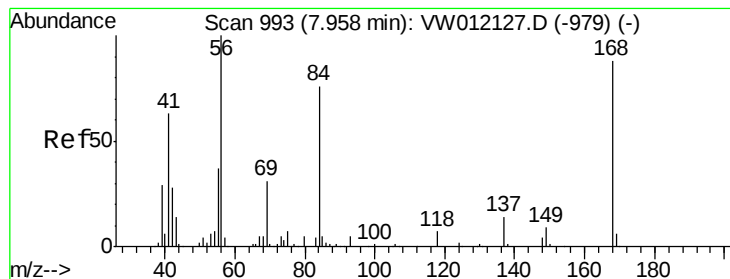
Abundance

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: 1.311 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012178.D

Acq: 26 Aug 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

OR-03-082219

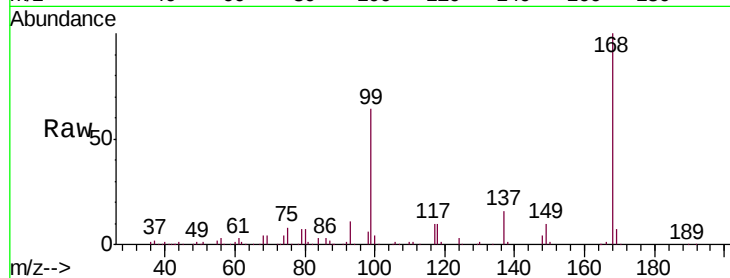
Tgt Ion: 56 Resp: 5675

Ion Ratio Lower Upper

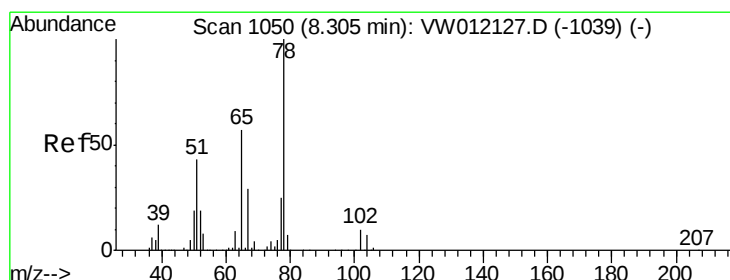
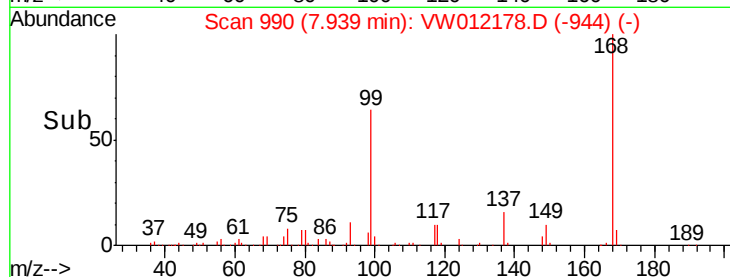
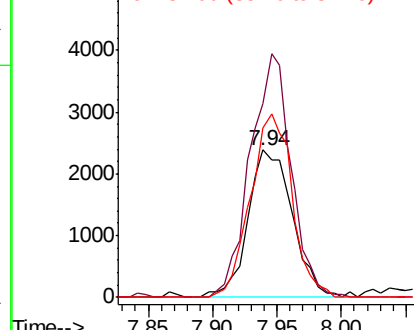
56 100

69 131.3 24.9 37.3#

84 114.9 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: 56.014 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012178.D

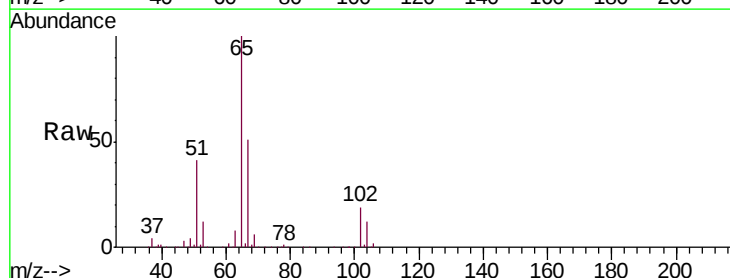
Acq: 26 Aug 2019 18:40

Tgt Ion: 65 Resp: 134662

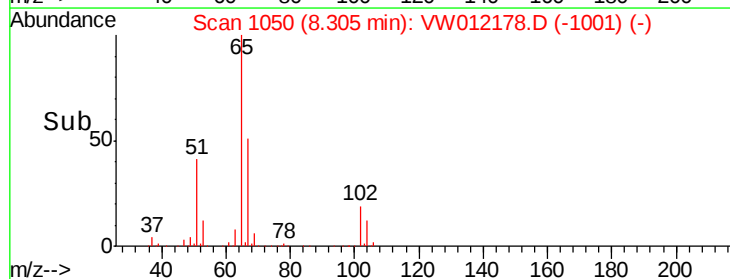
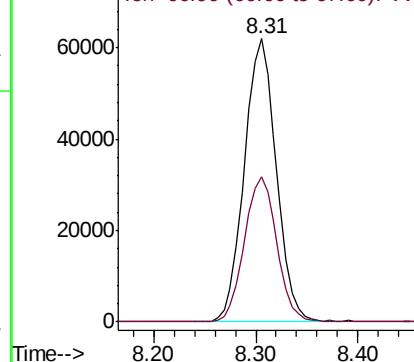
Ion Ratio Lower Upper

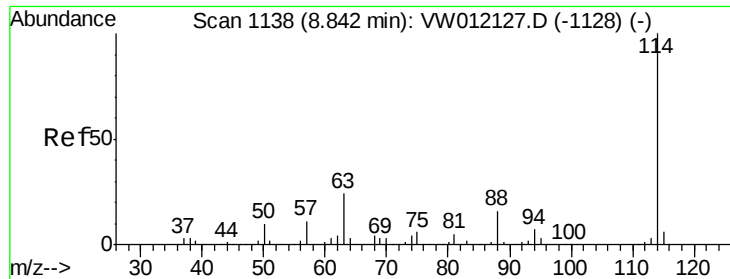
65 100

67 52.0 0.0 102.6



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

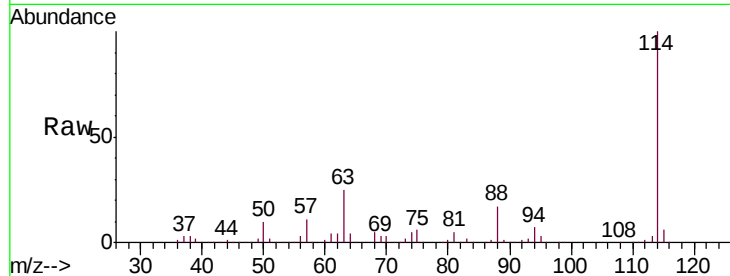




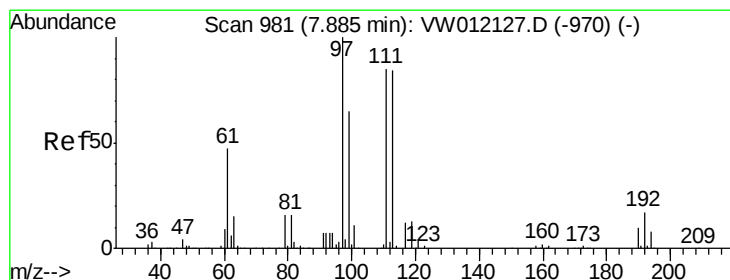
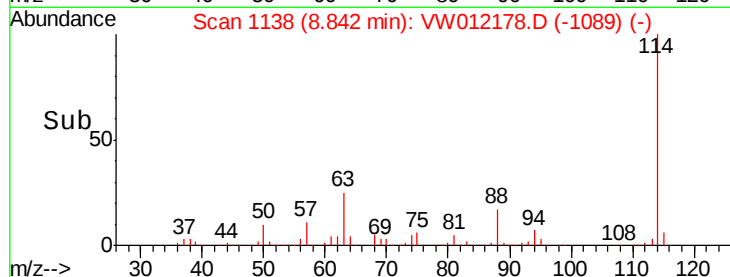
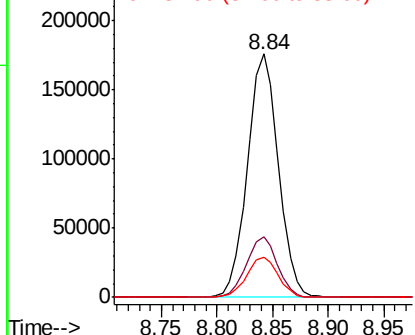
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-082219

Tgt Ion:114 Resp: 340863
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 16.7 0.0 32.2

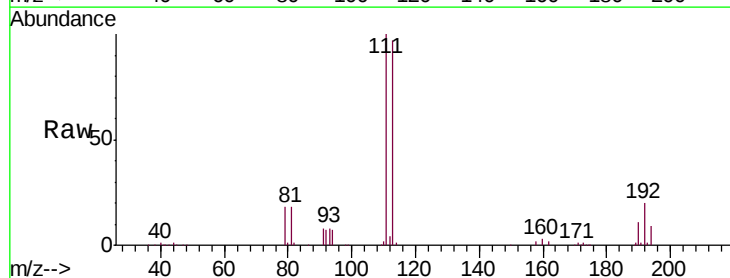


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

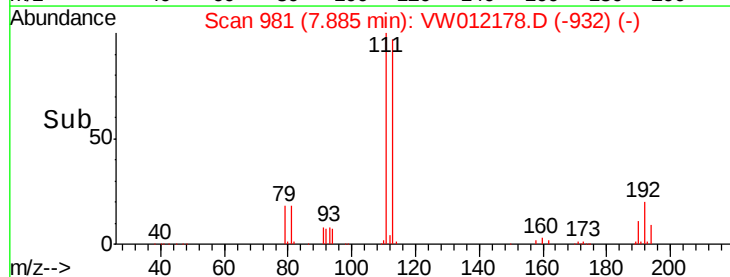
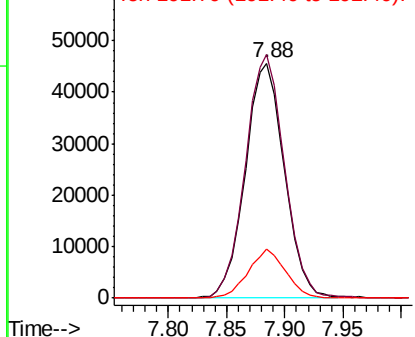


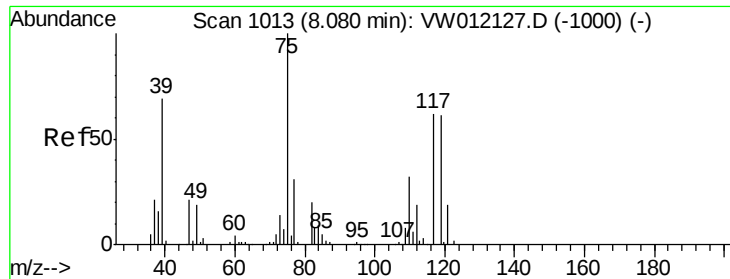
#35
 Dibromofluoromethane
 Concen: 52.549 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

Tgt Ion:113 Resp: 106918
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.7 124.1
 192 19.9 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

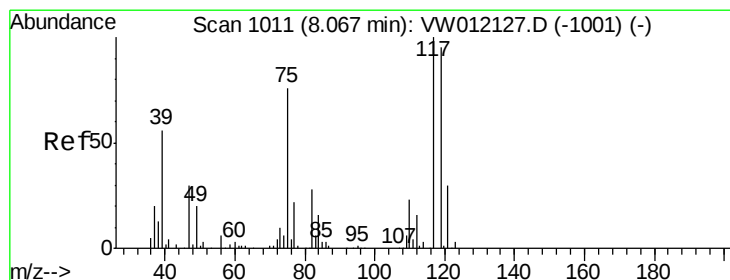
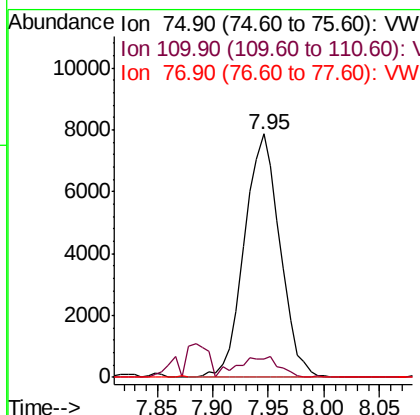
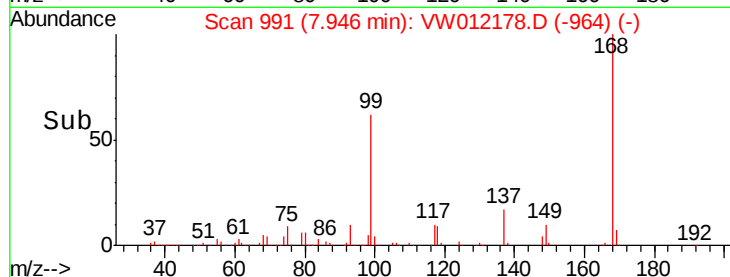
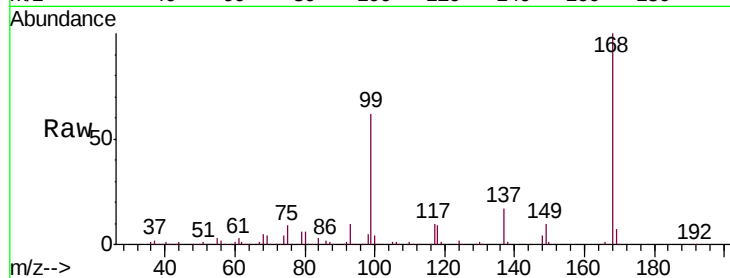




#36
 1,1-Dichloropropene
 Concen: 4.971 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

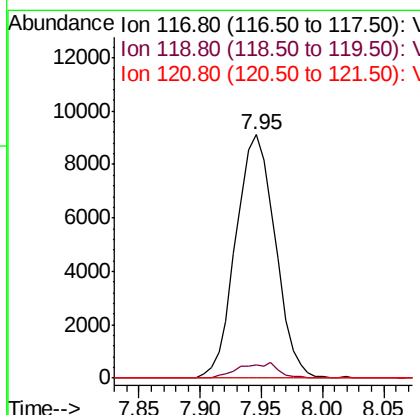
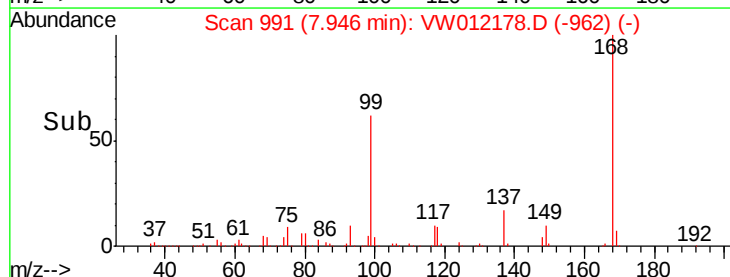
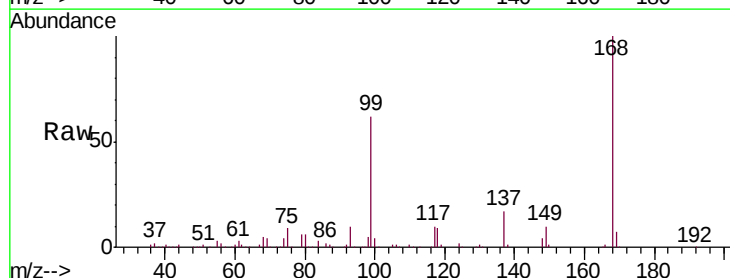
Instrument :
 MSVOA_W
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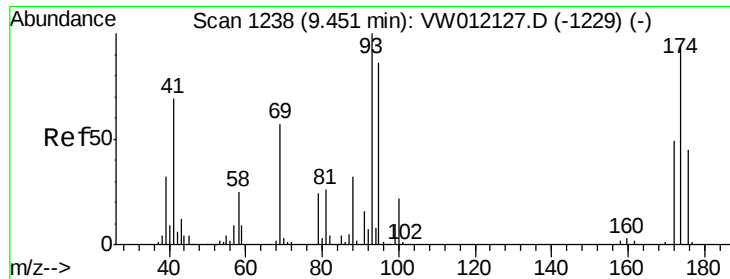
Tgt Ion: 75 Resp: 17510
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.687 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012178.D
 Acq: 26 Aug 2019 18:40

Tgt Ion: 117 Resp: 20388
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.191 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.24 min

Lab File: VW012178.D

Acq: 26 Aug 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

OR-03-082219

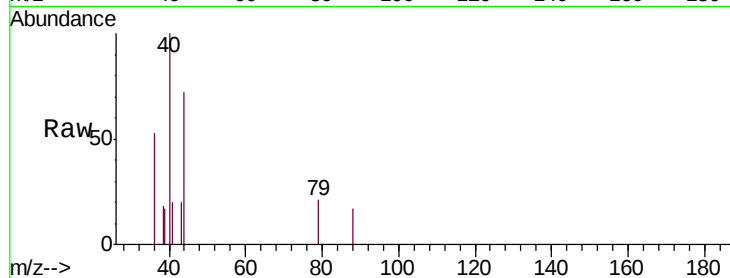
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 514.3 32.9 49.3#

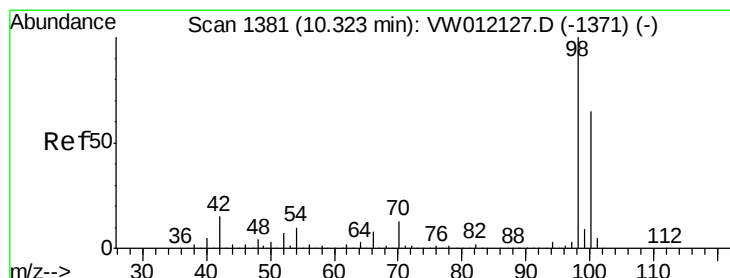
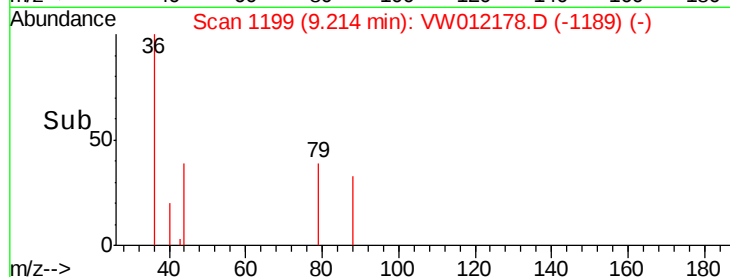
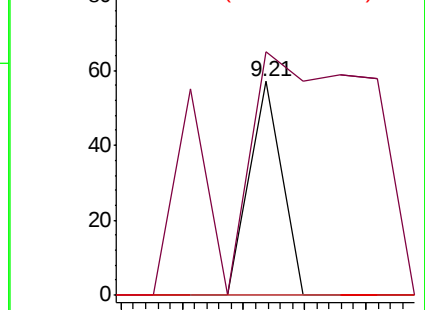
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.247 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012178.D

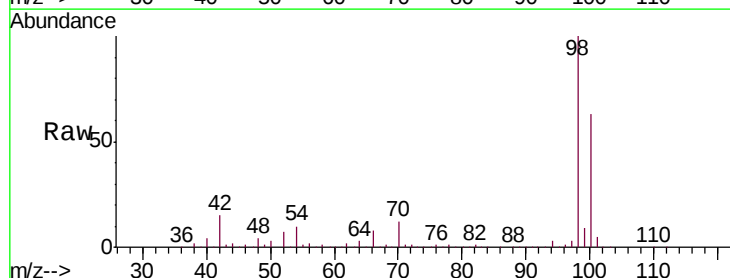
Acq: 26 Aug 2019 18:40

Tgt Ion: 98 Resp: 406274

Ion Ratio Lower Upper

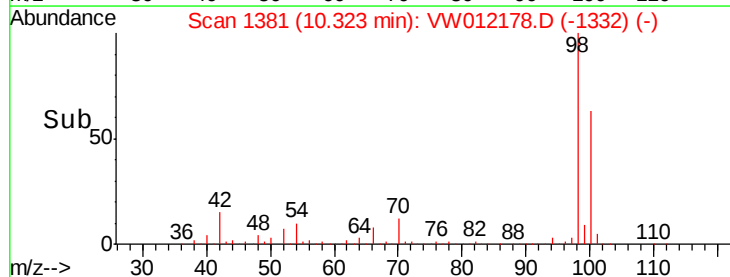
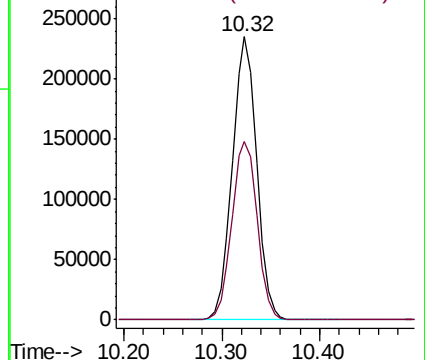
98 100

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

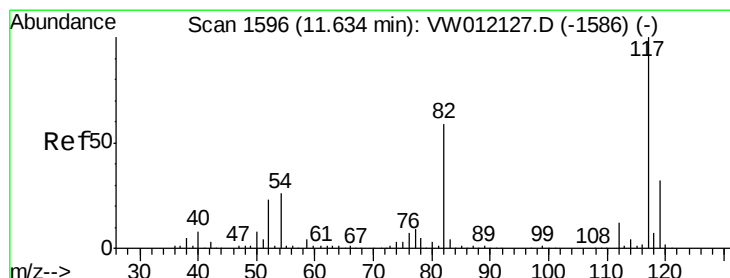
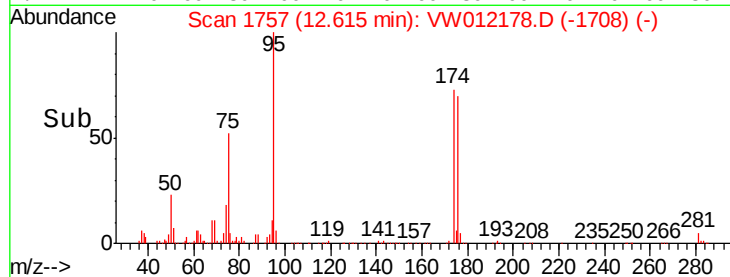
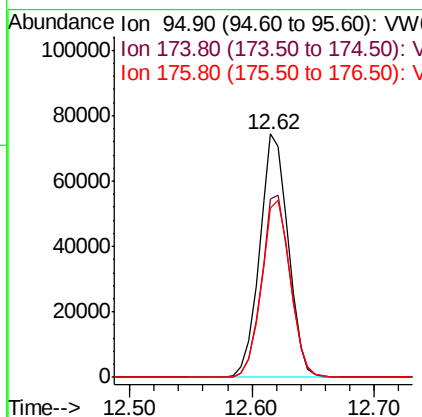
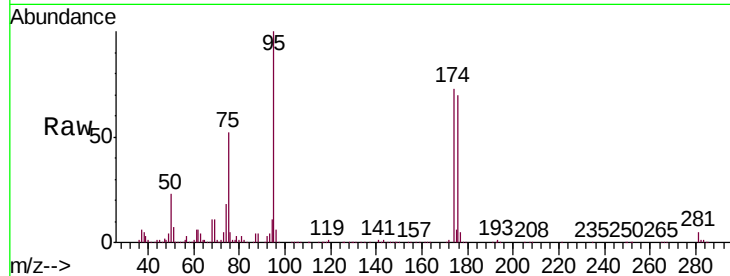




#62
4-Bromofluorobenzene
Concen: 41.467 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012178.D
Acq: 26 Aug 2019 18:40

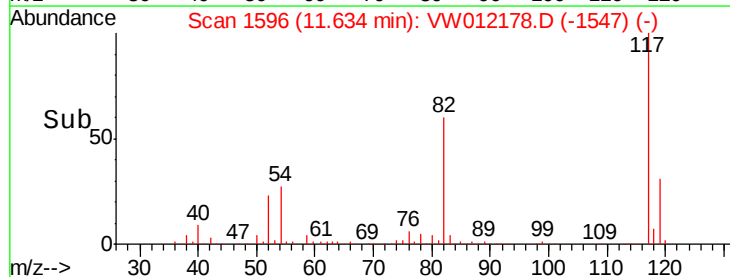
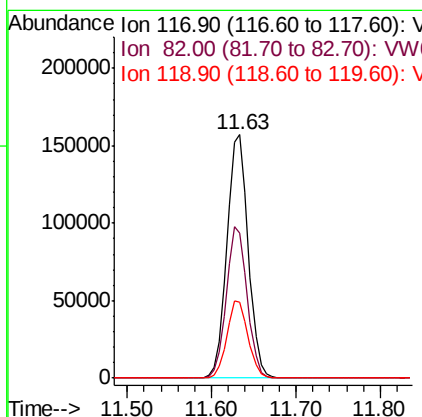
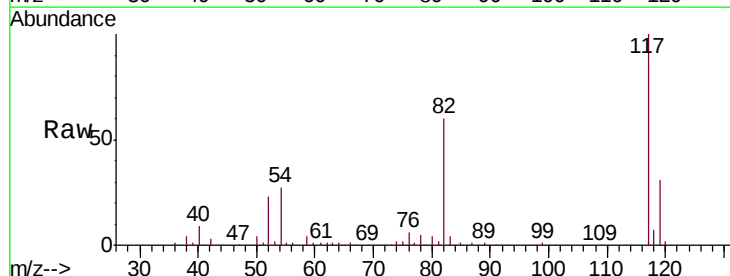
Instrument :
MSVOA_W
ClientSampleId :
OR-03-082219

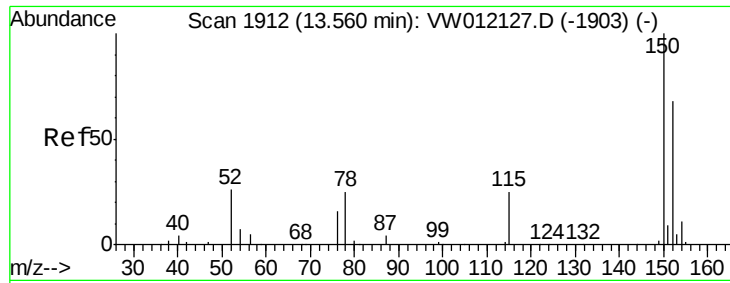
Tgt Ion: 95 Resp: 120589
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.8
176 73.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012178.D
Acq: 26 Aug 2019 18:40

Tgt Ion: 117 Resp: 271381
Ion Ratio Lower Upper
117 100
82 59.6 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: VW012178.D

Acq: 26 Aug 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

OR-03-082219

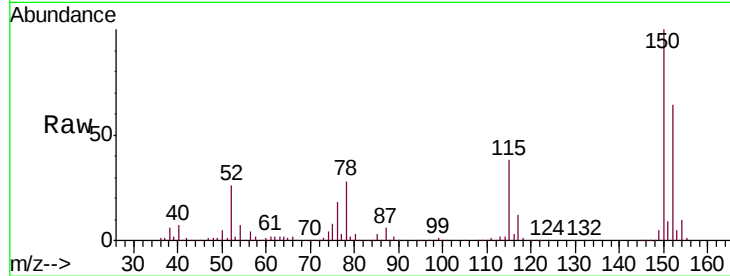
Tgt Ion:152 Resp: 94131

Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.3

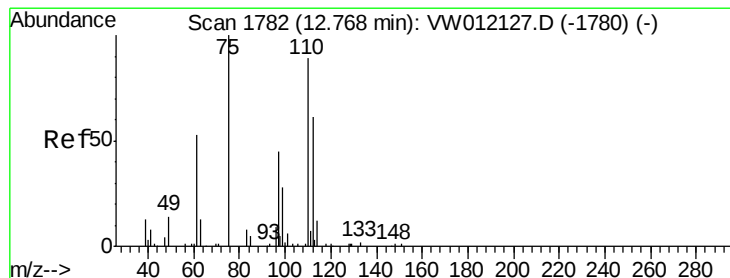
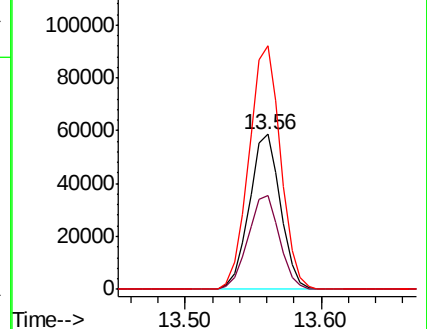
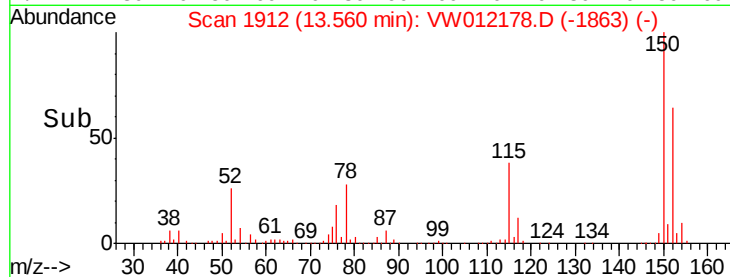
150 159.4 0.0 345.8



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: 70.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012178.D

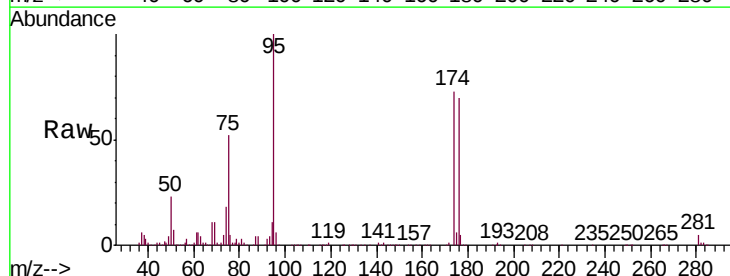
Acq: 26 Aug 2019 18:40

Tgt Ion: 75 Resp: 64596

Ion Ratio Lower Upper

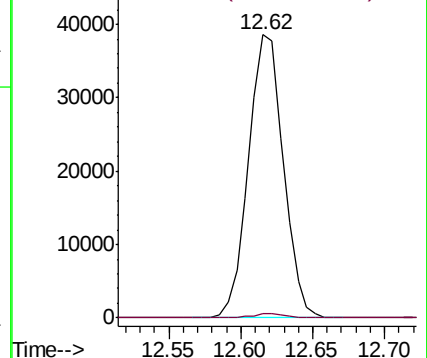
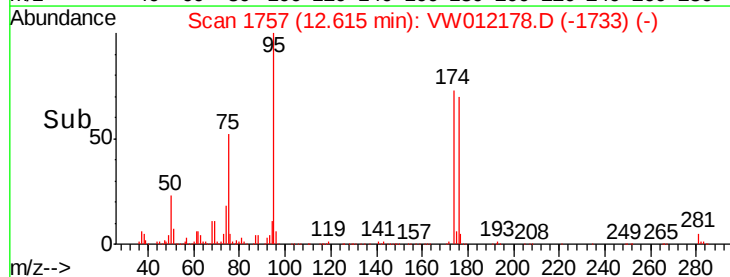
75 100

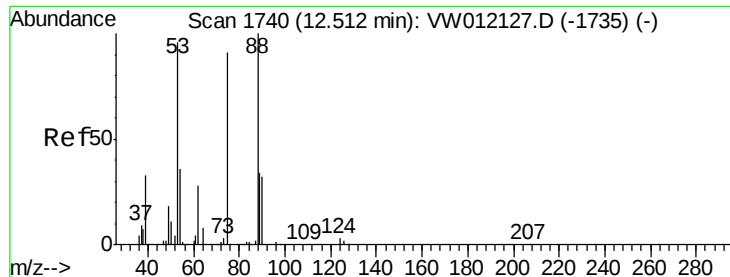
77 1.6 0.0 0.0#



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: 154.487 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012178.D

Acq: 26 Aug 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

OR-03-082219

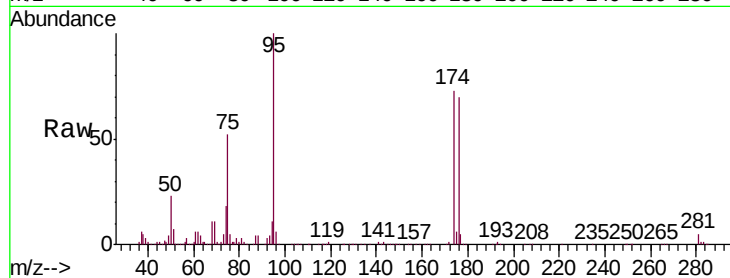
Tgt Ion: 75 Resp: 64596

Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

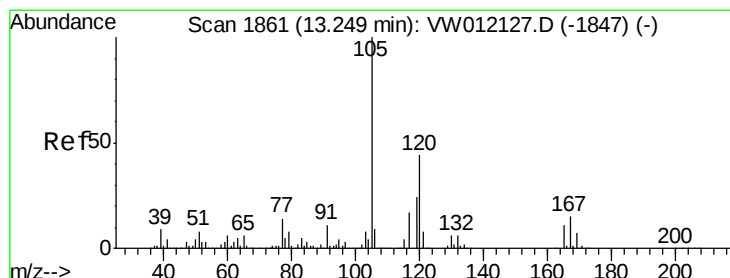
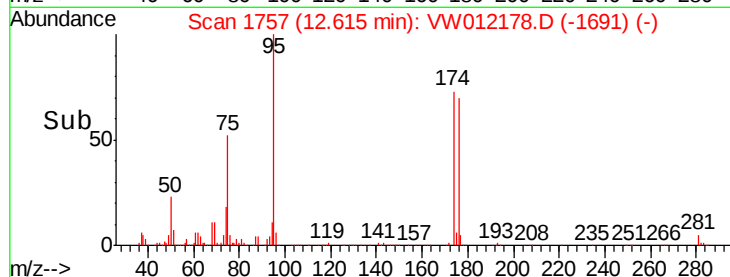
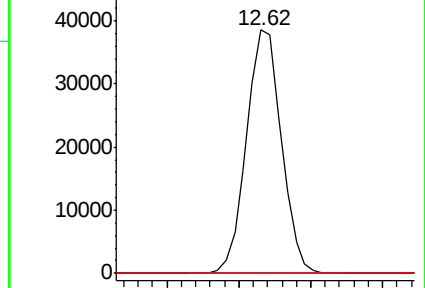
89 0.0 34.5 51.7#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.357 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012178.D

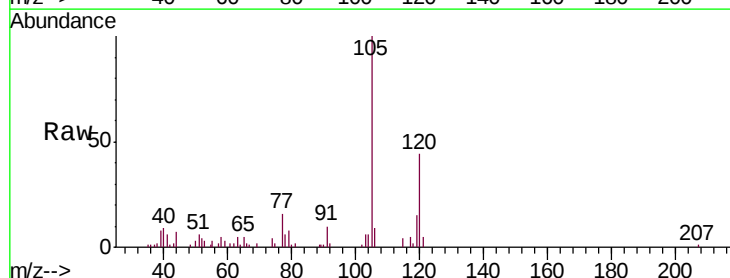
Acq: 26 Aug 2019 18:40

Tgt Ion: 105 Resp: 8037

Ion Ratio Lower Upper

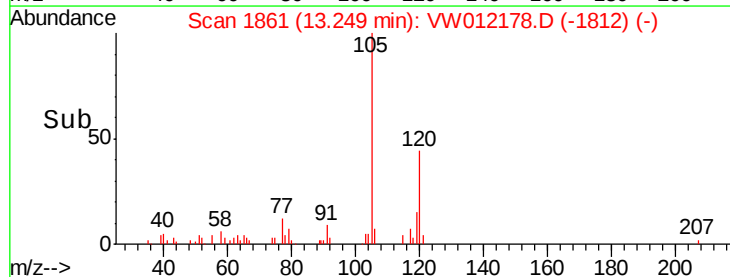
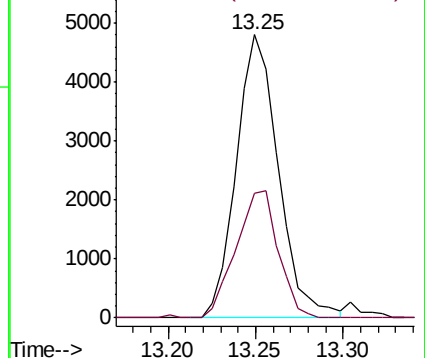
105 100

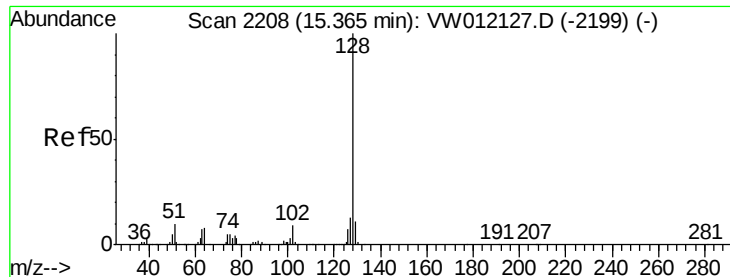
120 44.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 5.026 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012178.D
Acq: 26 Aug 2019 18:40

Instrument :
MSVOA_W
ClientSampleId :
OR-03-082219

Tgt Ion:128 Resp: 2738
Ion Ratio Lower Upper
128 100
127 14.4 10.7 16.1
129 14.8 8.7 13.1#

