

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012078.D
 Acq On : 21 Aug 2019 19:01
 Operator : SY/VA
 Sample : K4421-10
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-3-8.0-8.5

Quant Time: Aug 22 05:18:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139036	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148346	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	7.88	113	122235	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
50) Toluene-d8	10.32	98	495149	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	159739	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	

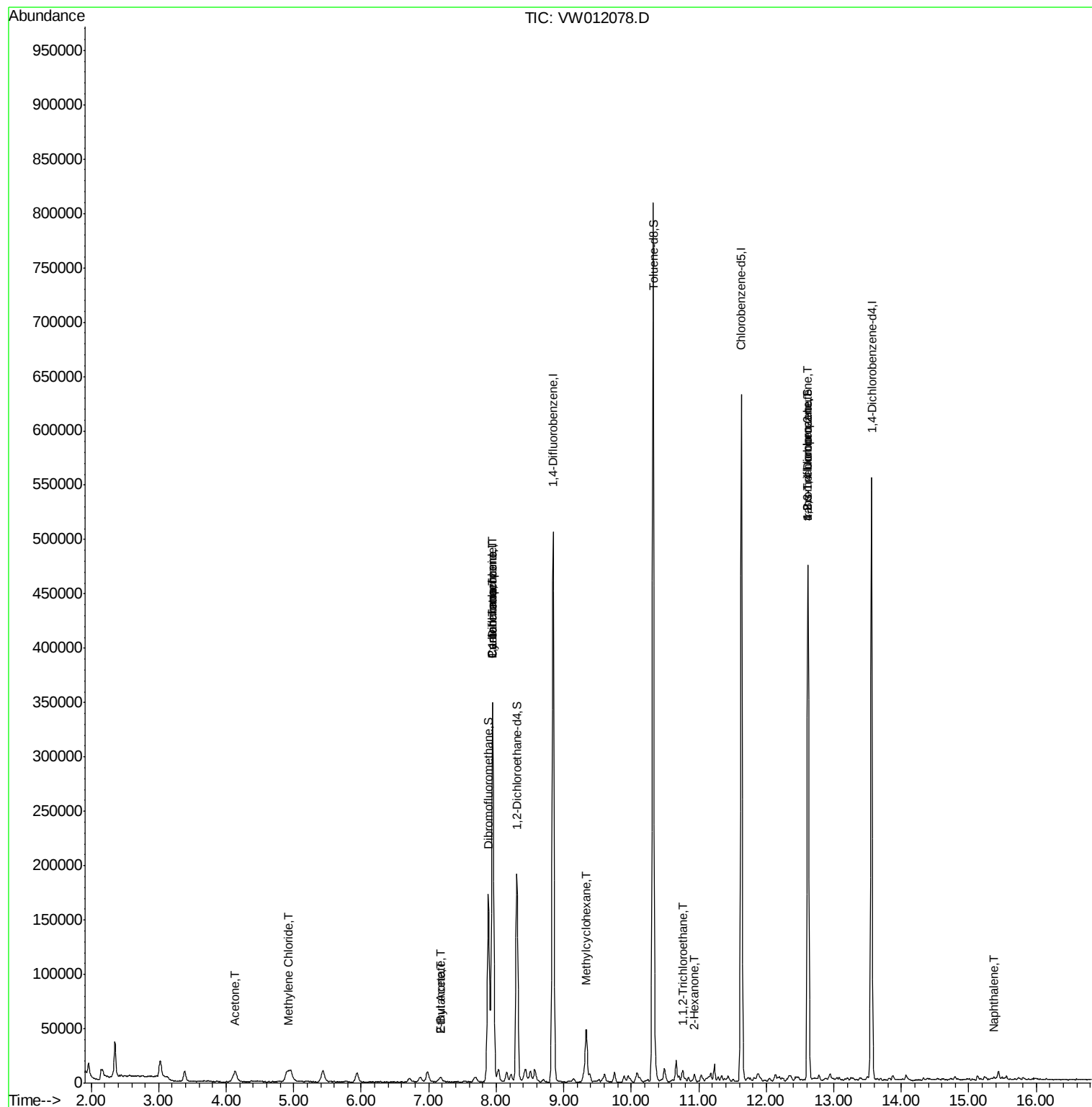
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	308	Below Cal	#	72
16) Acetone	4.13	43	19826	22.389	ug/l #	87
20) Methylene Chloride	4.92	84	3414	1.118	ug/l	97
25) 2-Butanone	7.18	43	4392	3.790	ug/l #	84
31) Cyclohexane	7.95	56	17552	3.372	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	21216	5.048	ug/l #	53
37) Ethyl Acetate	7.18	43	4392	1.816	ug/l #	89
38) Carbon Tetrachloride	7.95	117	24913	6.924	ug/l #	16
39) Methylcyclohexane	9.34	83	16829	3.637	ug/l	95
55) 1,1,2-Trichloroethane	10.76	97	3267	1.602	ug/l #	22
59) 2-Hexanone	10.93	43	2701	1.654	ug/l #	30
76) 1,2,3-Trichloropropane	12.62	75	85077	57.830	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85077	133.278	ug/l #	6
95) Naphthalene	15.37	128	1700	2.363	ug/l #	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012078.D
Acq On : 21 Aug 2019 19:01
Operator : SY/VA
Sample : K4421-10
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-3-8.0-8.5

Quant Time: Aug 22 05:18:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

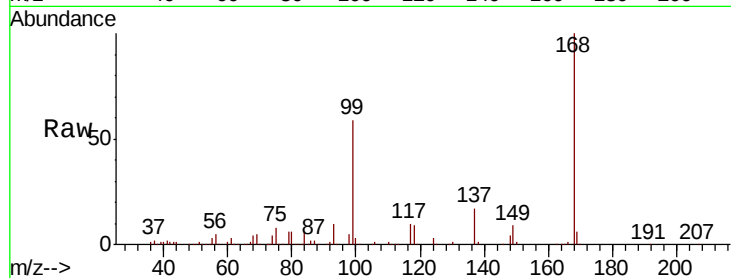
SUNSET-PARK-SB-3-8.0-8.5

Tgt Ion:168 Resp: 242431

Ion Ratio Lower Upper

168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

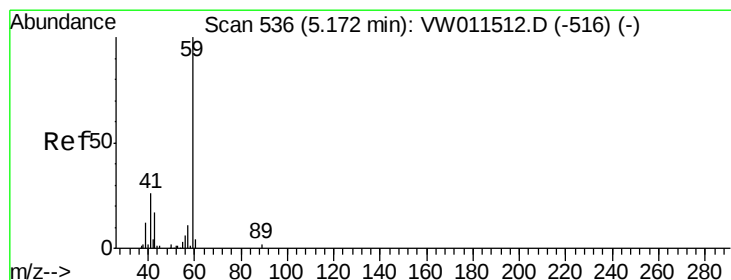
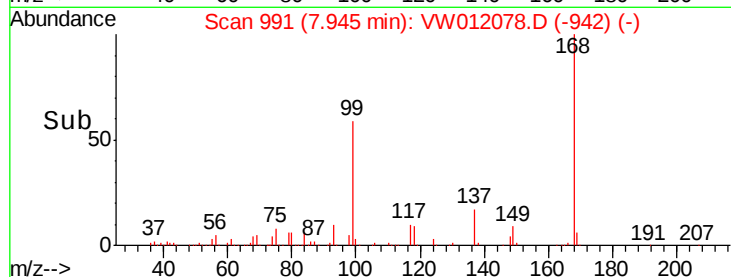
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012078.D

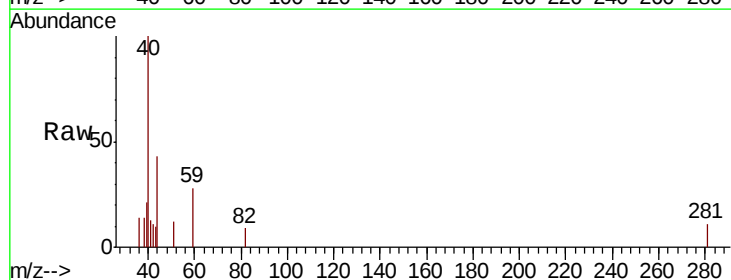
Acq: 21 Aug 2019 19:01

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

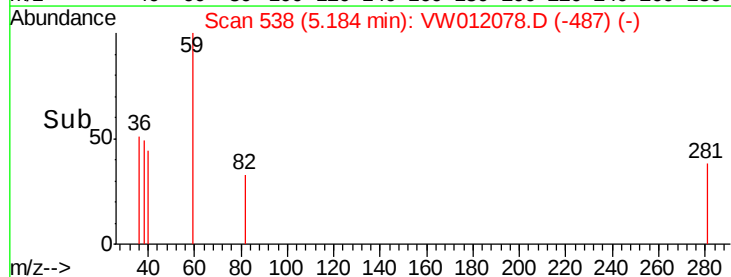
150

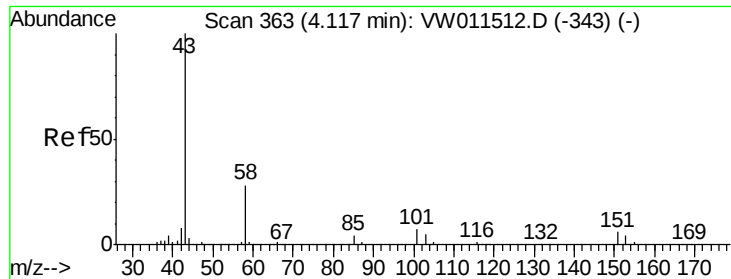
100

50

0

Time-->





#16

Acetone

Concen: 22.389 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

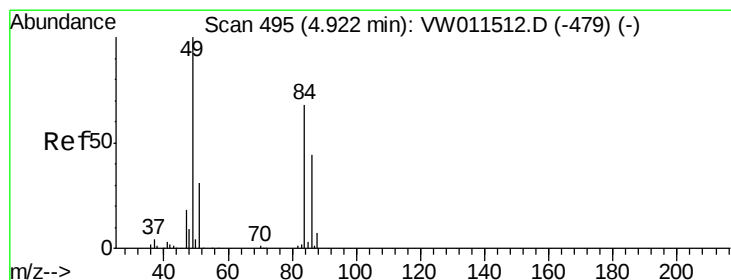
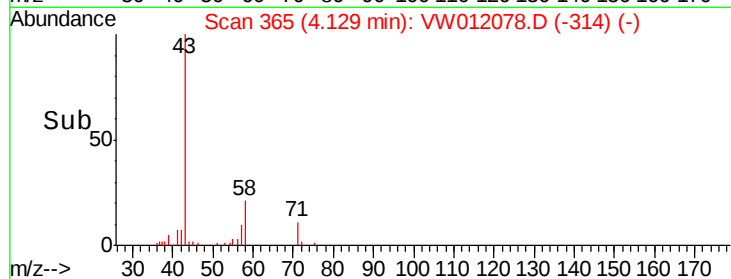
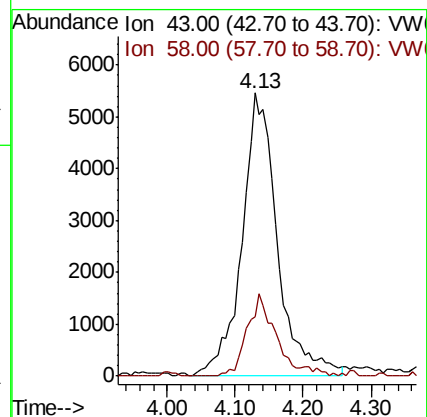
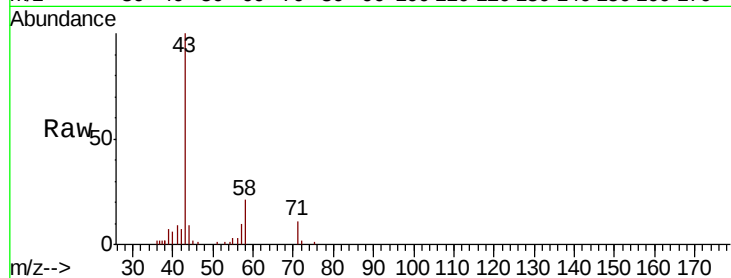
SUNSET-PARK-SB-3-8.0-8.5

Tgt Ion: 43 Resp: 19826

Ion Ratio Lower Upper

43 100

58 21.2 22.3 33.5#



#20

Methylene Chloride

Concen: 1.118 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Tgt Ion: 84 Resp: 3414

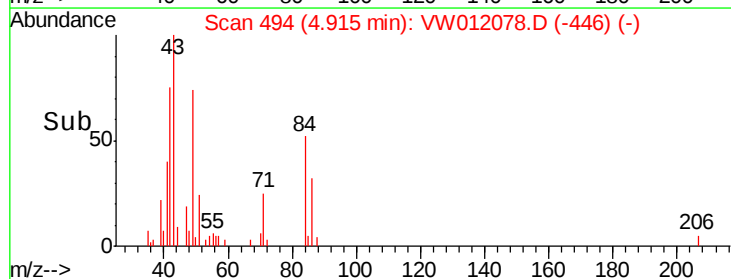
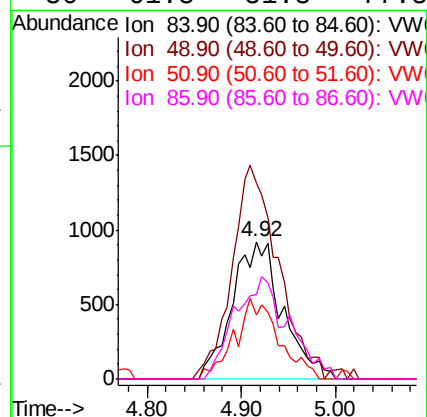
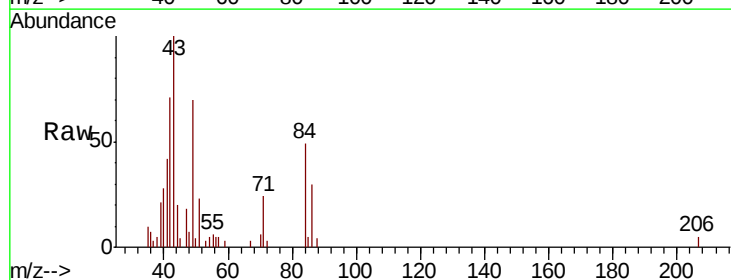
Ion Ratio Lower Upper

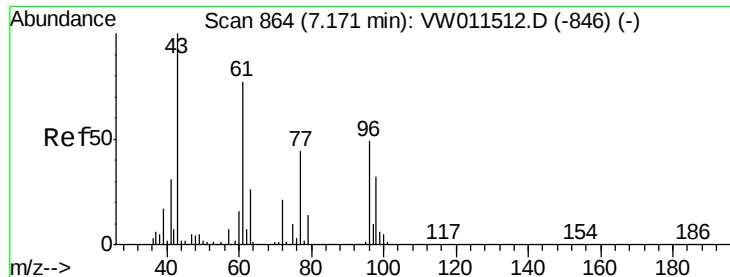
84 100

49 142.5 117.8 176.6

51 46.2 37.0 55.4

86 61.8 51.8 77.8





#25

2-Butanone

Concen: 3.790 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

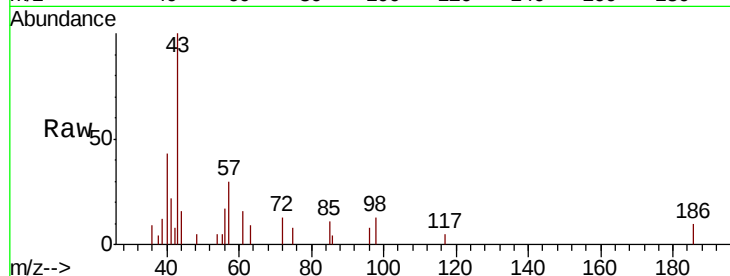
SUNSET-PARK-SB-3-8.0-8.5

Tgt Ion: 43 Resp: 4392

Ion Ratio Lower Upper

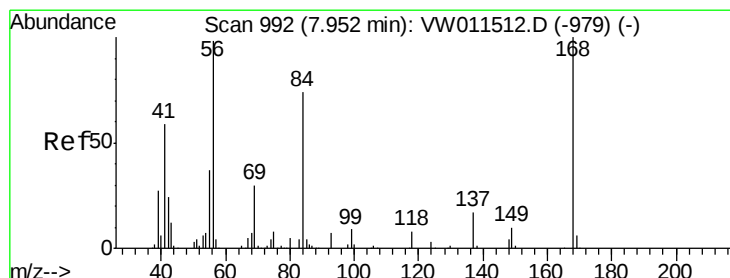
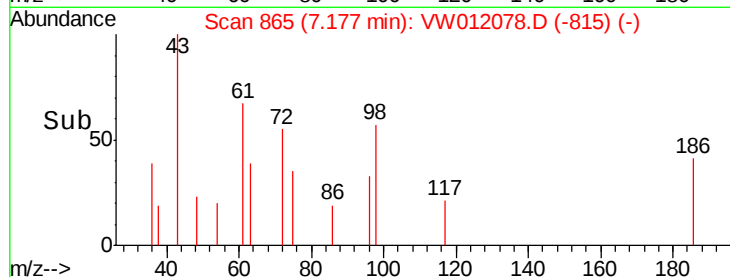
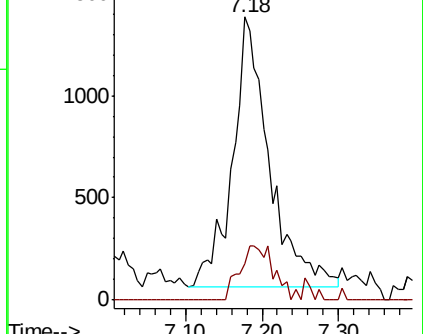
43 100

72 13.3 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 3.372 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

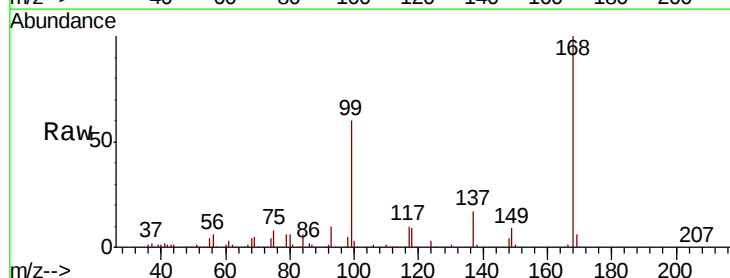
Tgt Ion: 56 Resp: 17552

Ion Ratio Lower Upper

56 100

69 71.1 24.3 36.5#

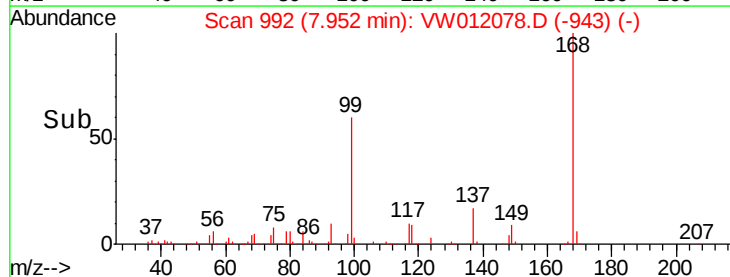
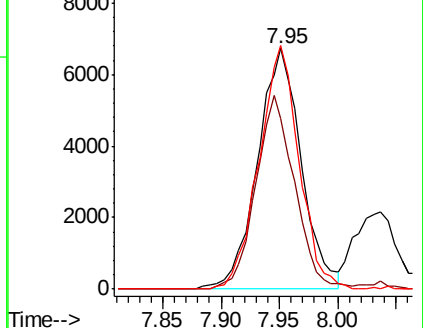
84 101.1 60.4 90.6#

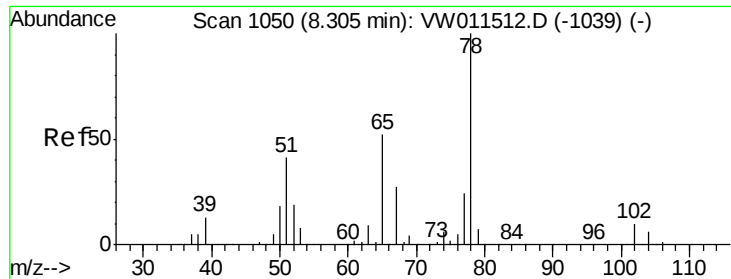


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

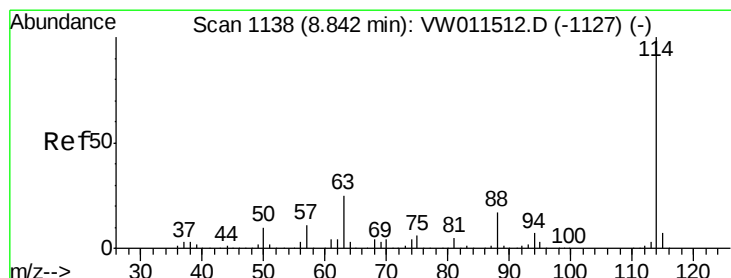
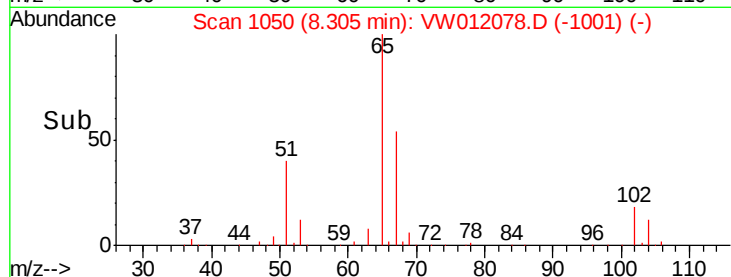
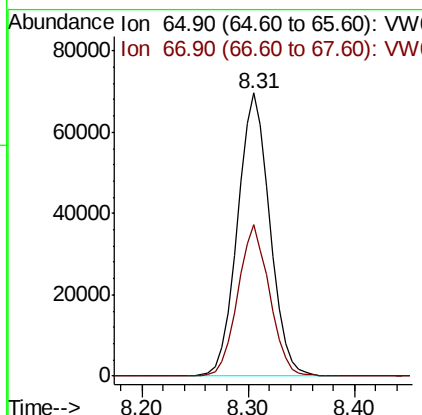
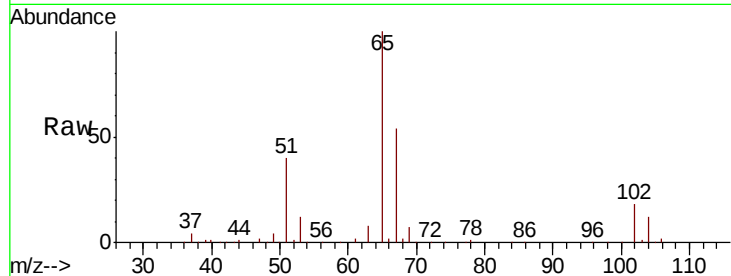




#33
 1,2-Dichloroethane-d4
 Concen: 53.289 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012078.D
 Acq: 21 Aug 2019 19:01

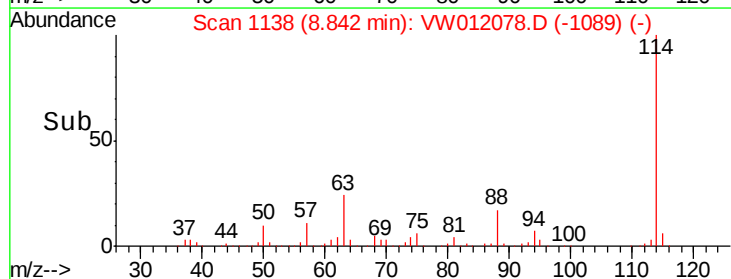
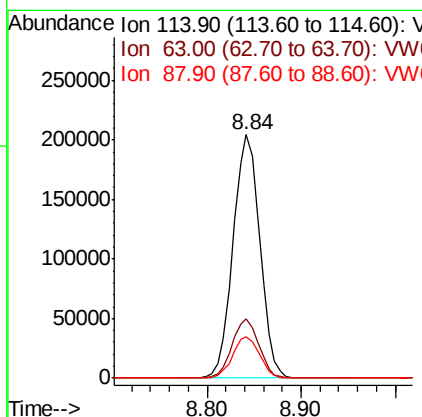
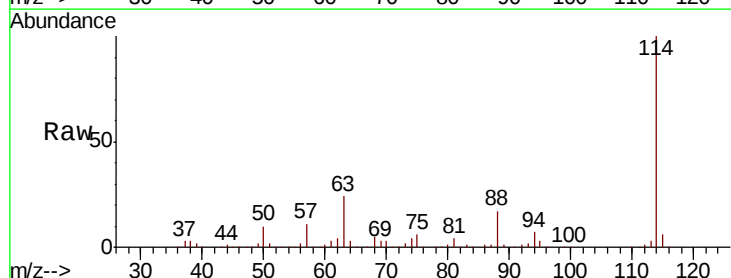
Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-3-8.0-8.5

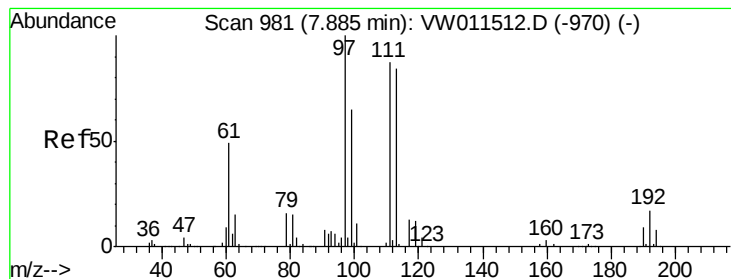
Tgt Ion: 65 Resp: 148346
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012078.D
 Acq: 21 Aug 2019 19:01

Tgt Ion: 114 Resp: 404186
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.906 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-3-8.0-8.5

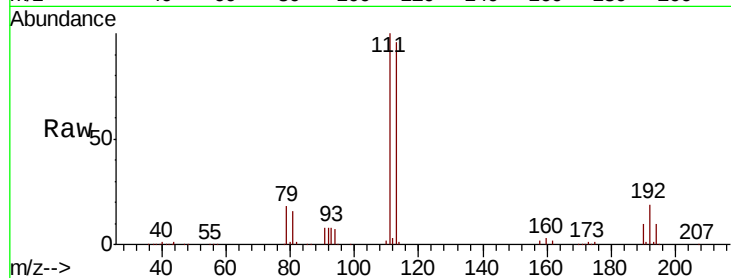
Tgt Ion:113 Resp: 122235

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

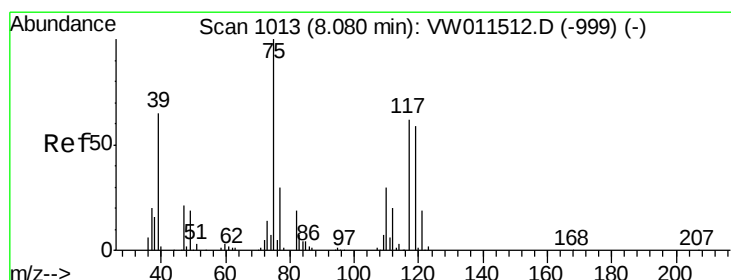
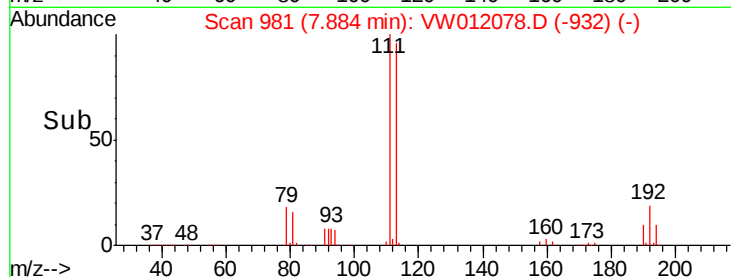
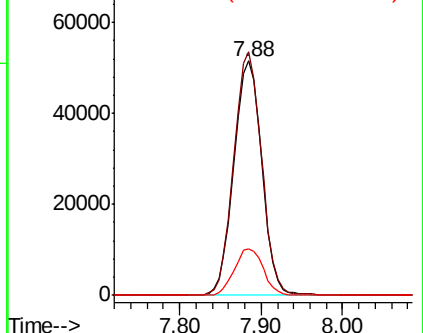
192 20.5 16.1 24.1



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: 5.048 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

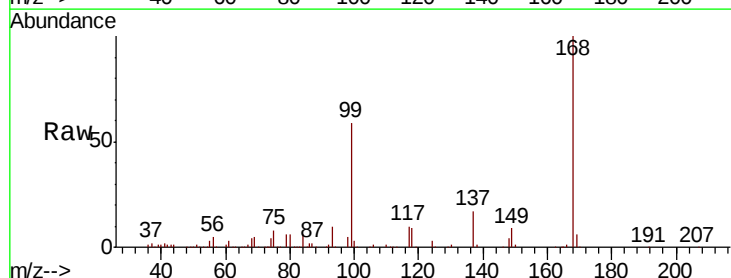
Tgt Ion: 75 Resp: 21216

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

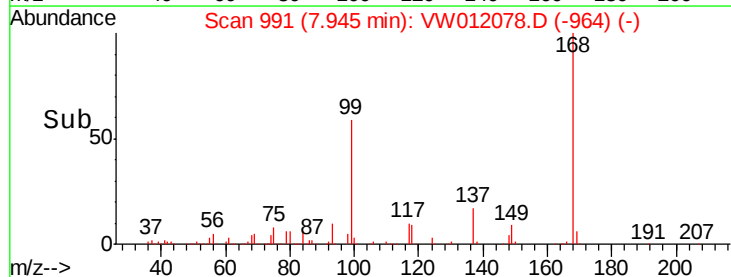
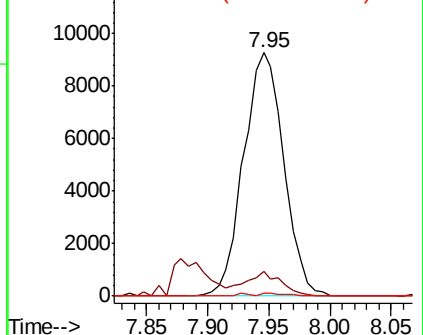
77 0.7 24.3 36.5#

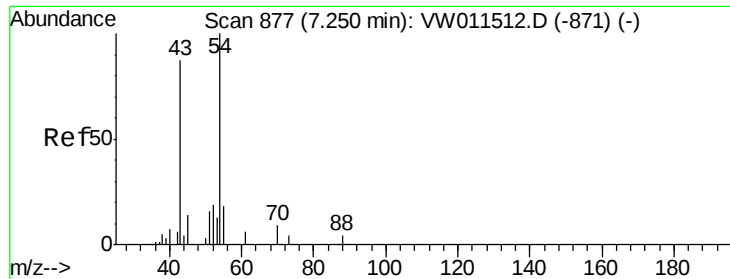


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.816 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-3-8.0-8.5

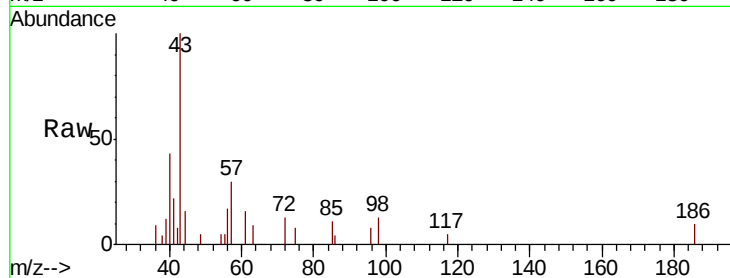
Tgt Ion: 43 Resp: 4392

Ion Ratio Lower Upper

43 100

61 11.2 8.8 13.2

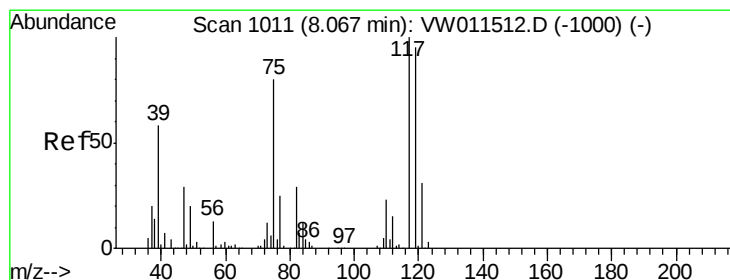
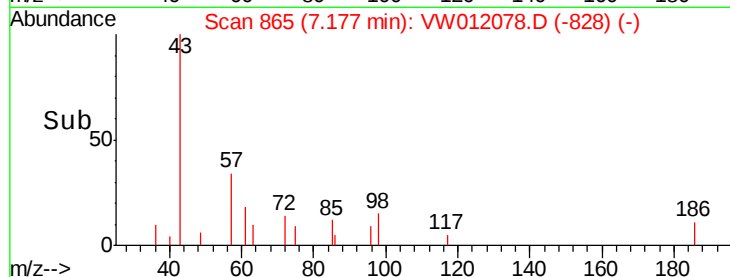
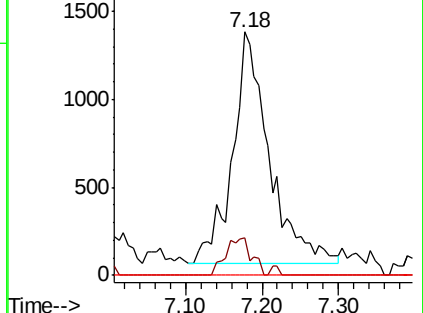
70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.924 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

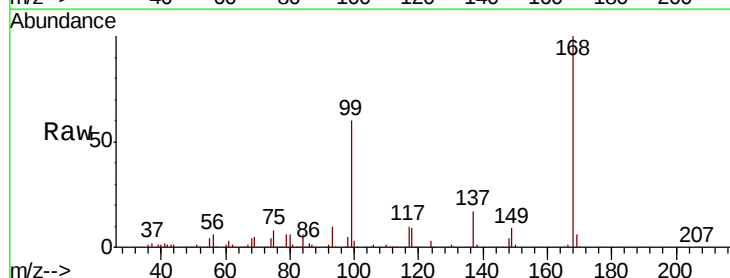
Tgt Ion: 117 Resp: 24913

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

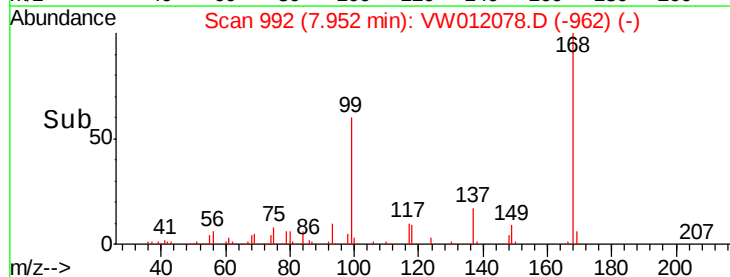
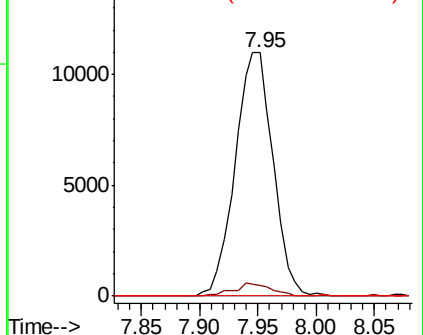
121 0.0 24.7 37.1#

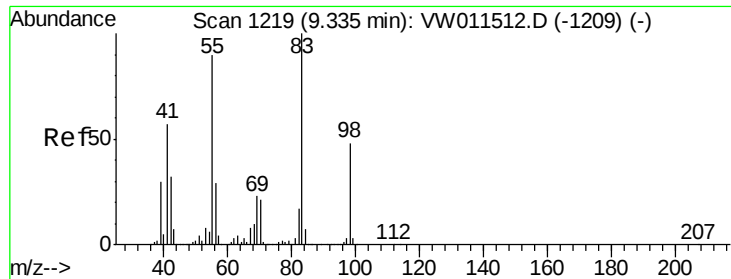


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

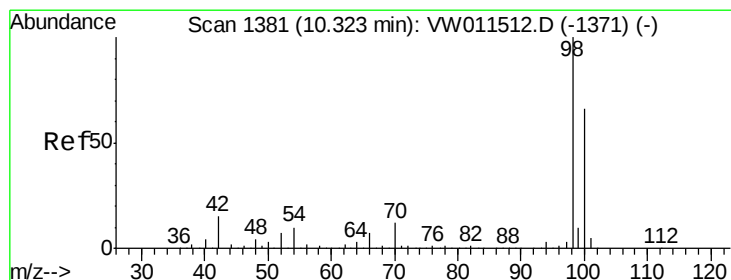
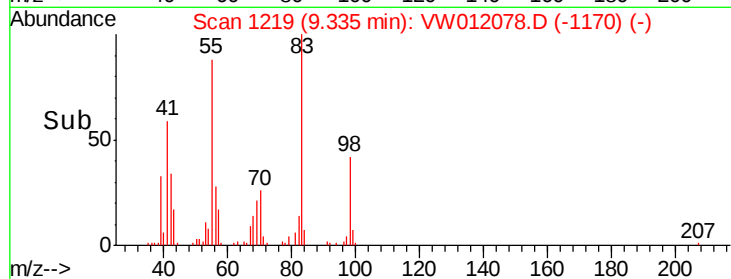
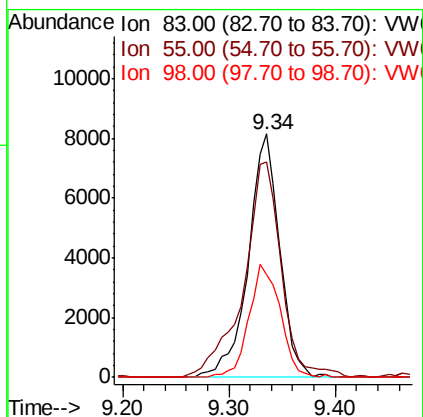
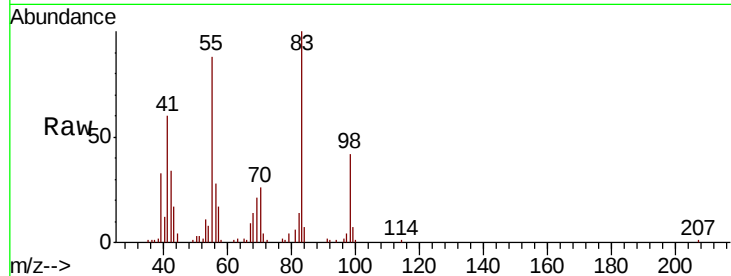




#39
Methylcyclohexane
Concen: 3.637 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012078.D
Acq: 21 Aug 2019 19:01

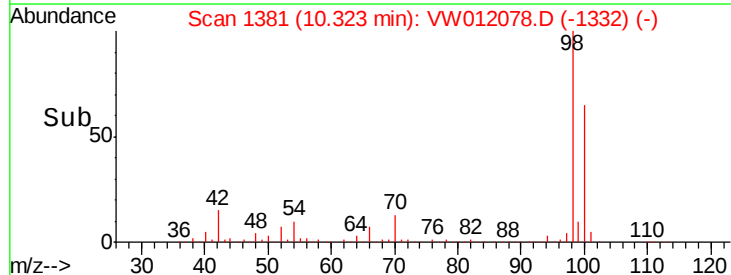
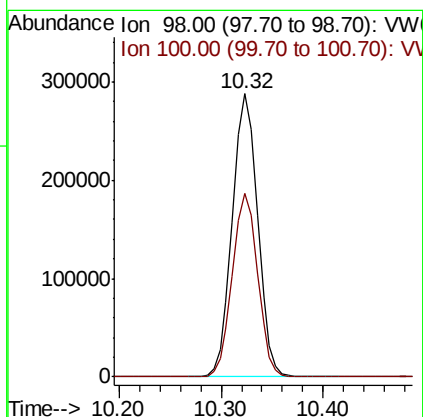
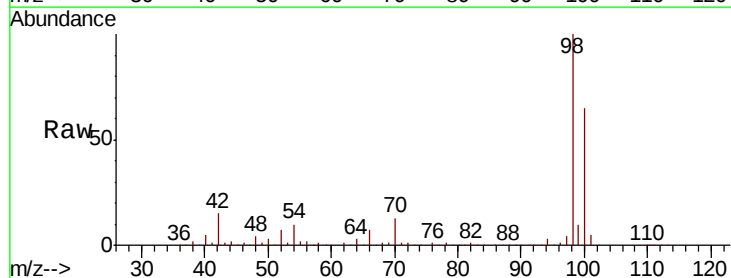
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-3-8.0-8.5

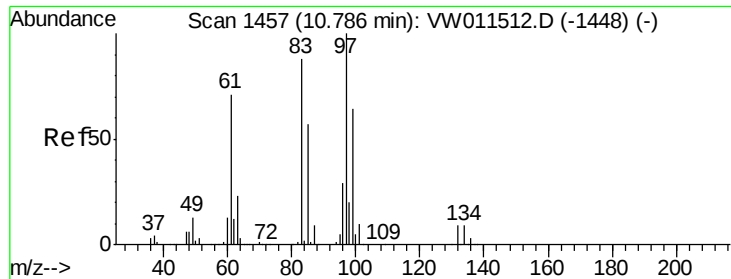
Tgt Ion: 83 Resp: 16829
Ion Ratio Lower Upper
83 100
55 87.3 72.1 108.1
98 42.0 38.6 57.8



#50
Toluene-d8
Concen: 53.333 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012078.D
Acq: 21 Aug 2019 19:01

Tgt Ion: 98 Resp: 495149
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1





#55

1,1,2-Trichloroethane

Concen: 1.602 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-3-8.0-8.5

Tgt Ion: 97 Resp: 3267

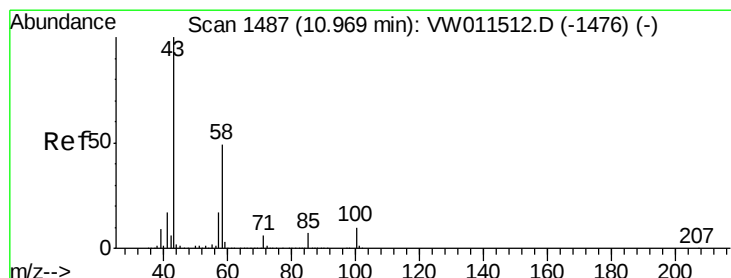
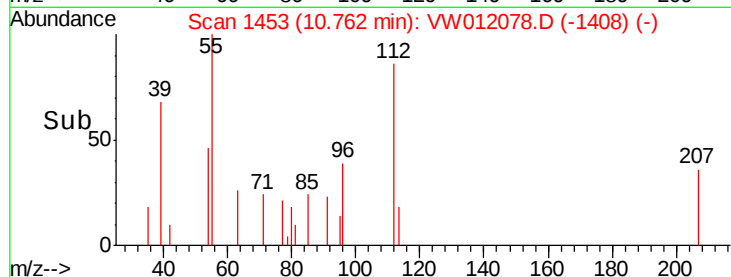
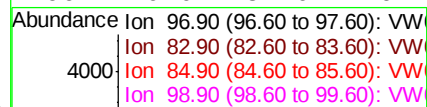
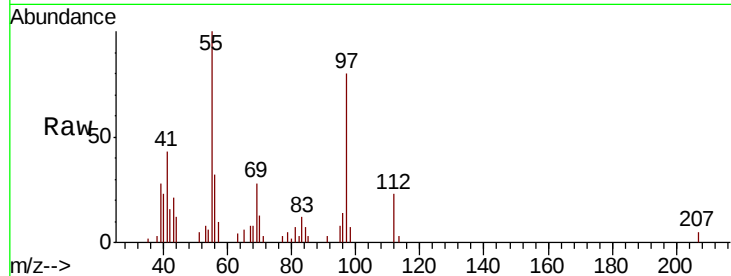
Ion Ratio Lower Upper

97 100

83 14.5 70.5 105.7#

85 4.1 45.8 68.6#

99 0.0 51.0 76.4#



#59

2-Hexanone

Concen: 1.654 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW012078.D

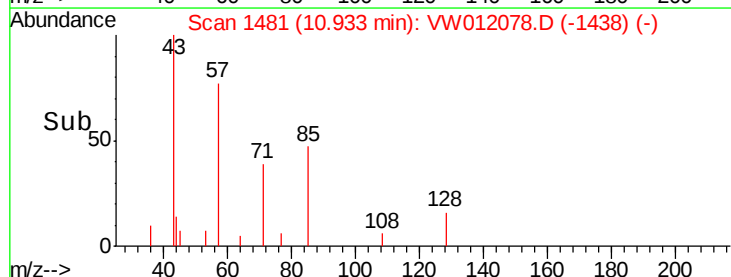
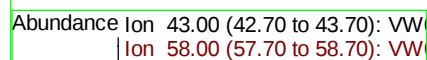
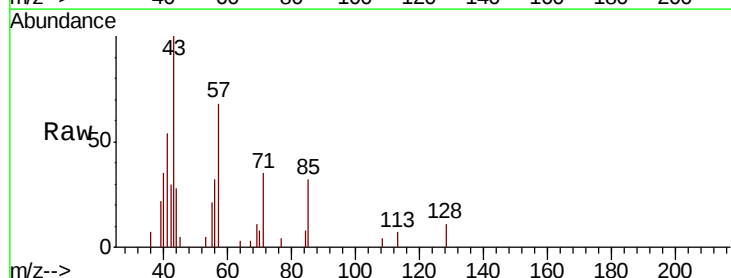
Acq: 21 Aug 2019 19:01

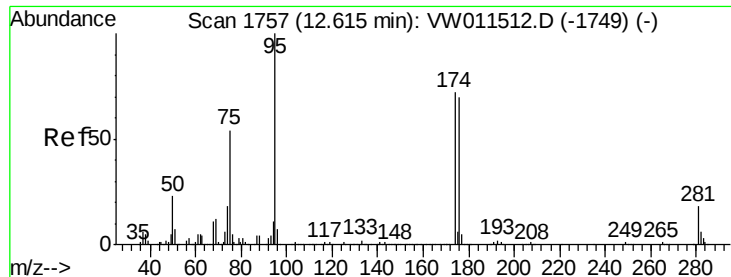
Tgt Ion: 43 Resp: 2701

Ion Ratio Lower Upper

43 100

58 1.3 24.3 72.9#





#62

4-Bromofluorobenzene

Concen: 48.260 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-3-8.0-8.5

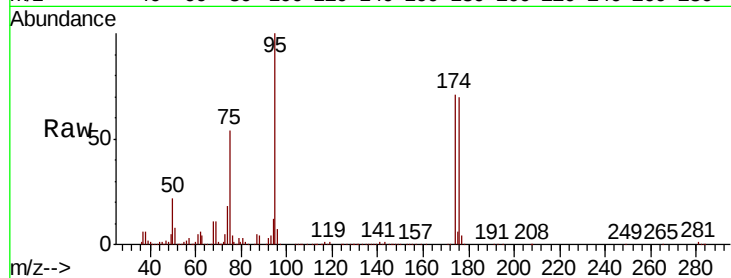
Tgt Ion: 95 Resp: 159739

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.2

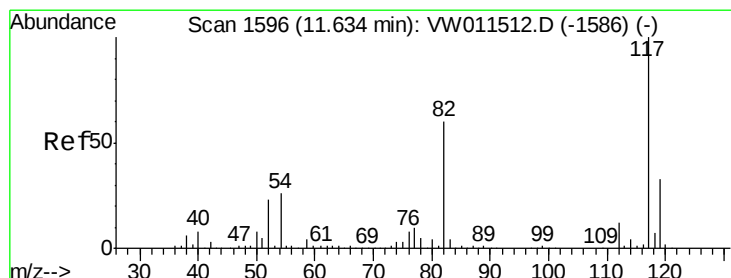
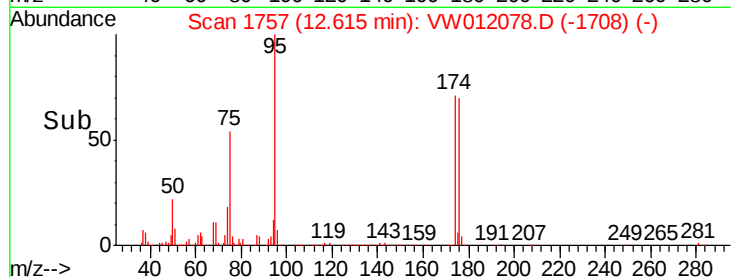
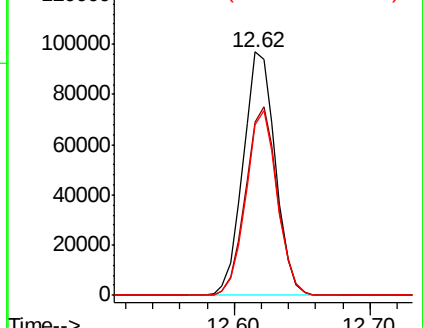
176 74.2 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

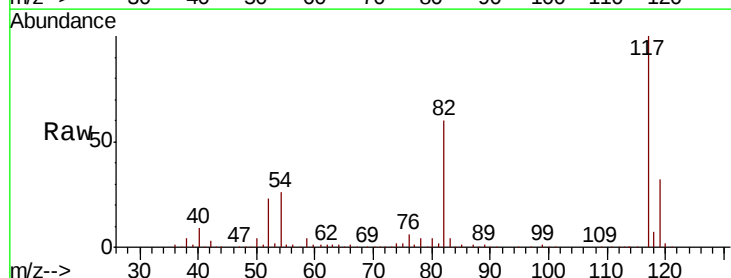
Tgt Ion: 117 Resp: 337469

Ion Ratio Lower Upper

117 100

82 59.7 47.9 71.9

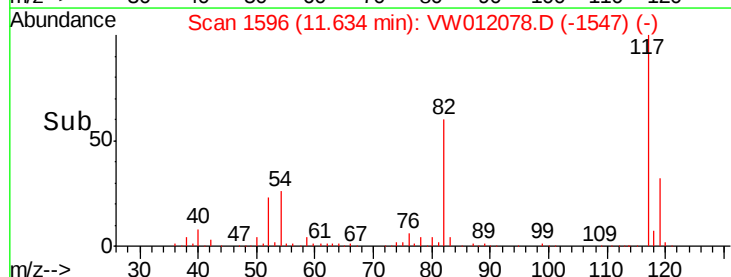
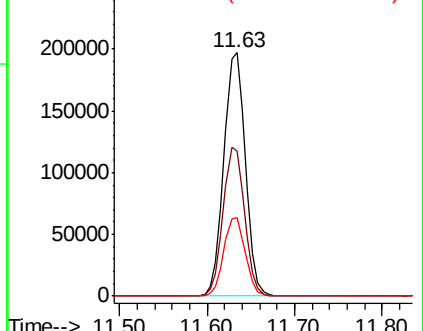
119 32.4 26.2 39.2

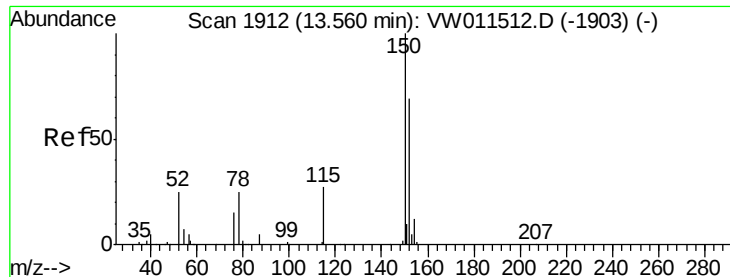


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



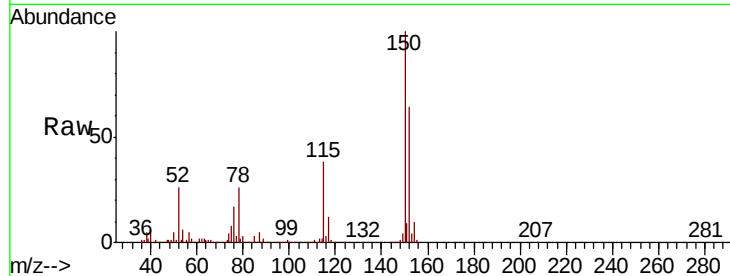


#72

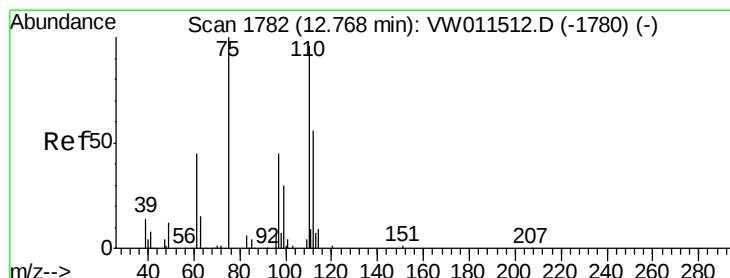
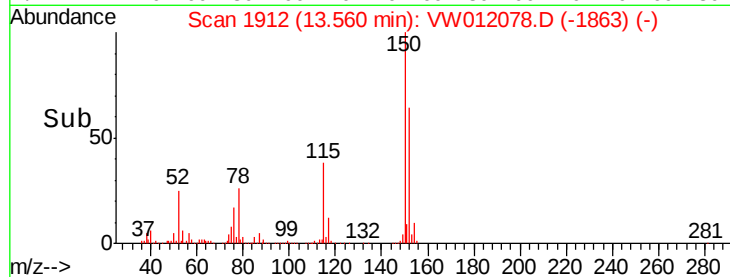
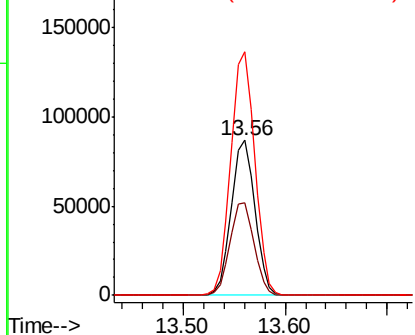
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012078.D
Acq: 21 Aug 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-3-8.0-8.5

Tgt Ion:152 Resp: 139036
Ion Ratio Lower Upper
152 100
115 60.8 30.5 91.5
150 159.2 0.0 352.6



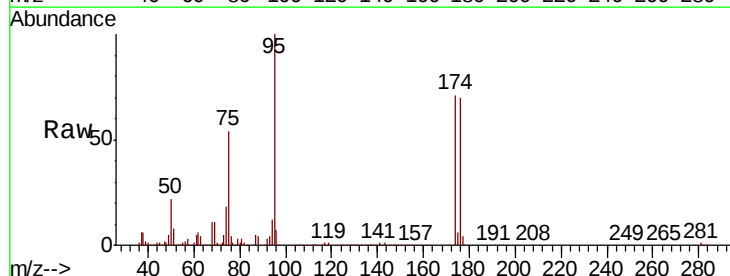
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



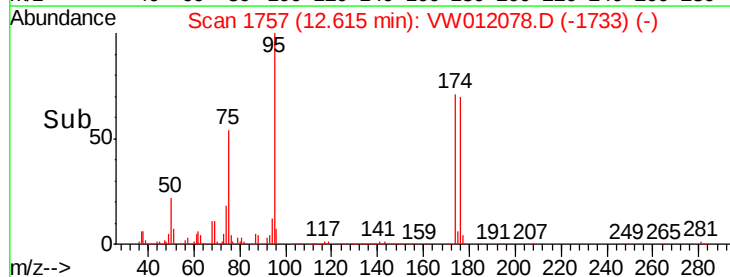
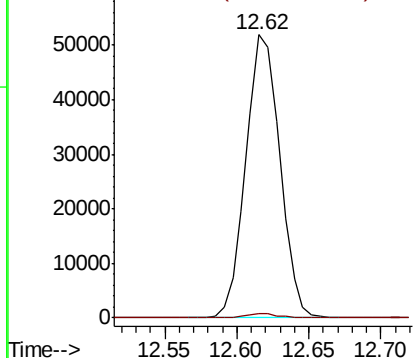
#76

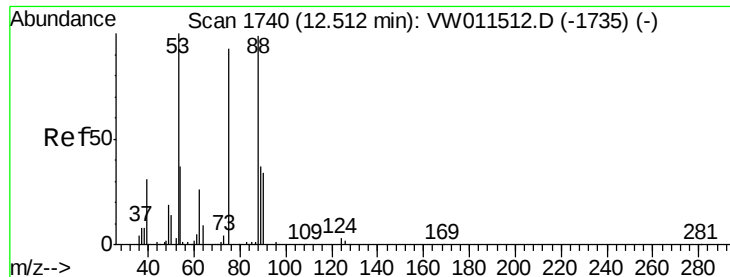
1,2,3-Trichloropropane
Concen: 57.830 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012078.D
Acq: 21 Aug 2019 19:01

Tgt Ion: 75 Resp: 85077
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: 133.278 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-3-8.0-8.5

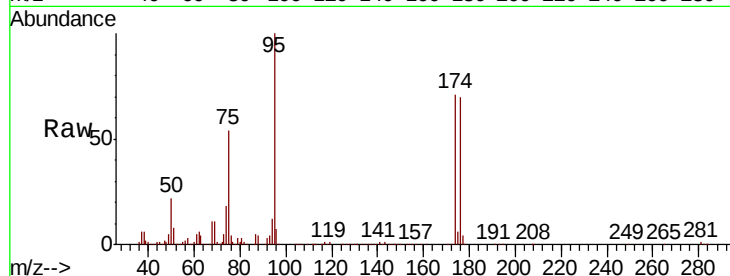
Tgt Ion: 75 Resp: 85077

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

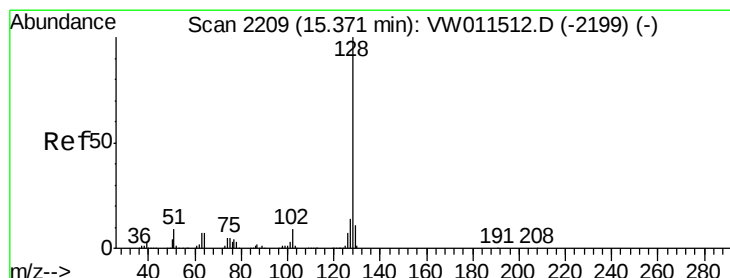
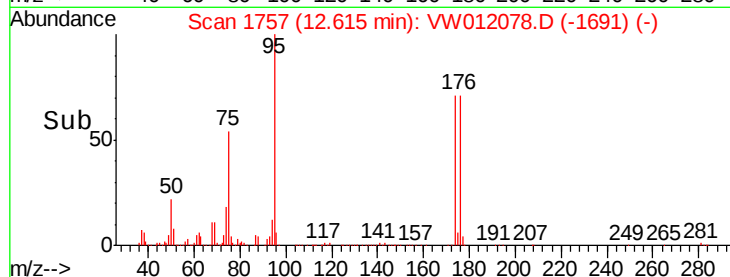
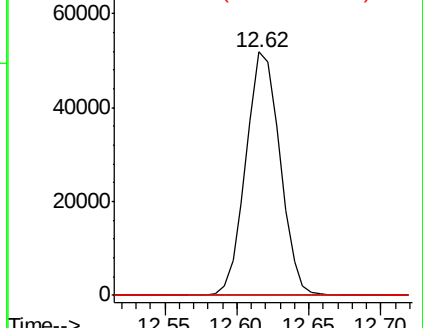
89 0.0 35.3 52.9#



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: 2.363 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012078.D

Acq: 21 Aug 2019 19:01

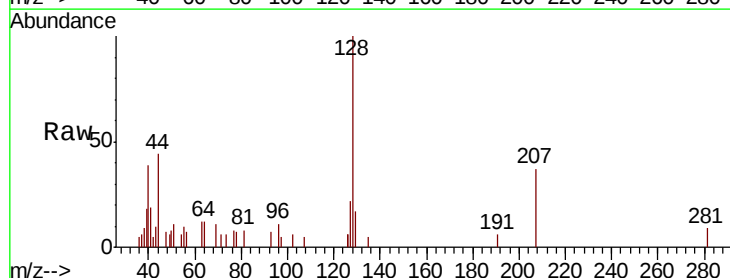
Tgt Ion: 128 Resp: 1700

Ion Ratio Lower Upper

128 100

127 15.3 10.6 16.0

129 7.7 8.6 13.0#



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

