

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012055.D
 Acq On : 21 Aug 2019 02:33
 Operator : SY/VA
 Sample : K4421-08
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-4-7.5-8.0

Quant Time: Aug 21 03:09:20 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	252244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147858	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	154872	53.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.94%	
35) Dibromofluoromethane	7.88	113	125429	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
50) Toluene-d8	10.32	98	509325	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.62	95	173615	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	

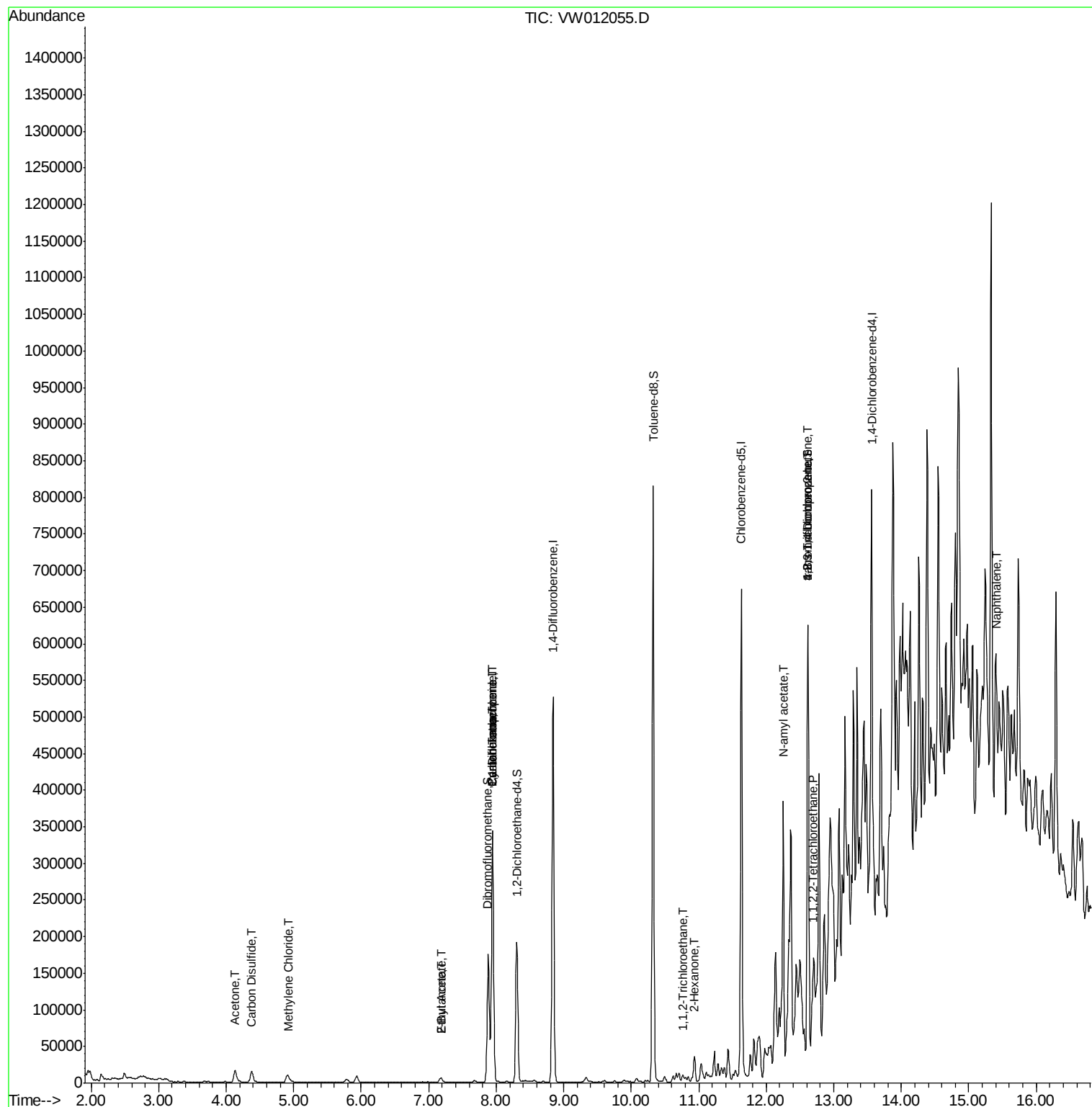
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	191	Below Cal		98
16) Acetone	4.14	43	33728	36.607	ug/l	98
17) Carbon Disulfide	4.38	76	32150	3.910	ug/l	99
20) Methylene Chloride	4.92	84	7424	2.336	ug/l #	79
25) 2-Butanone	7.18	43	11341	9.407	ug/l	96
31) Cyclohexane	7.94	56	6527	1.205	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	21086	4.868	ug/l #	51
37) Ethyl Acetate	7.18	43	11341	4.551	ug/l #	74
38) Carbon Tetrachloride	7.94	117	24708	6.663	ug/l #	16
55) 1,1,2-Trichloroethane	10.76	97	2117	1.007	ug/l #	29
59) 2-Hexanone	10.93	43	14540	8.638	ug/l #	34
74) N-amyl acetate	12.25	43	90059	26.078	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.69	83	8657	4.172	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	90236	57.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90236	132.925	ug/l #	8
95) Naphthalene	15.41	128	126	2.087	ug/l #	1

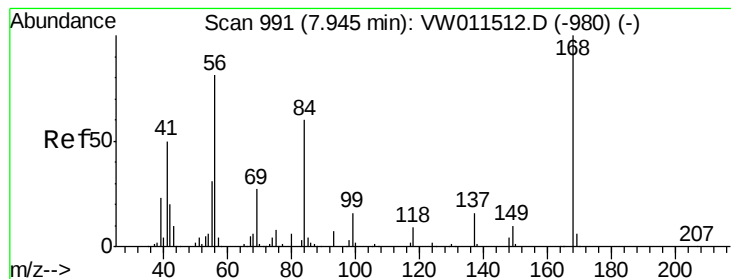
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

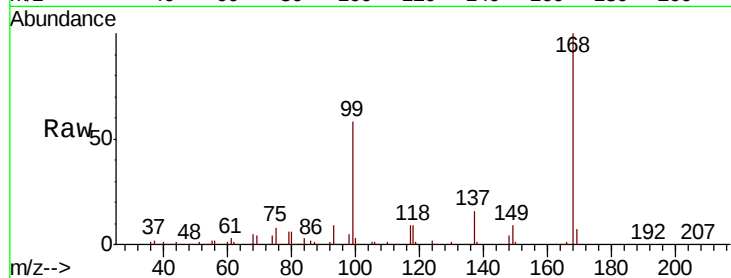
SUNSET-PARK-SB-4-7.5-8.0

Tgt Ion: 168 Resp: 252244

Ion Ratio Lower Upper

168 100

99 58.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

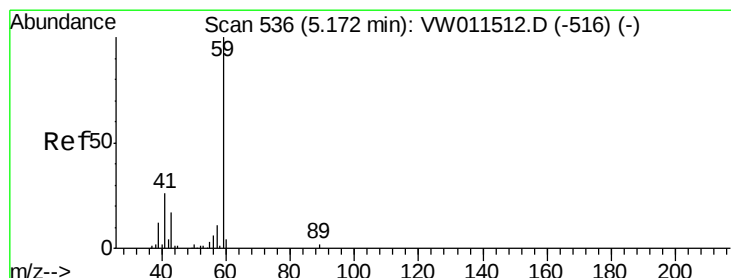
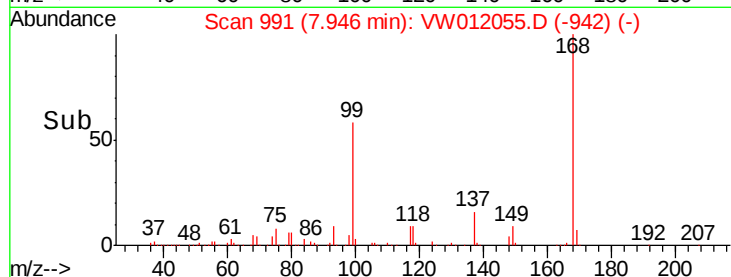
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW012055.D

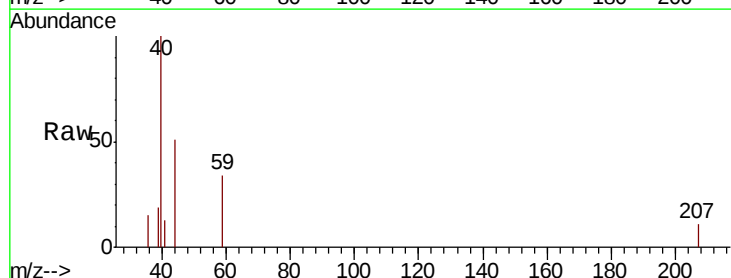
Acq: 21 Aug 2019 02:33

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

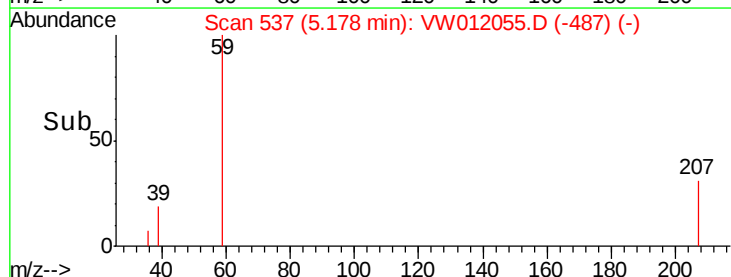
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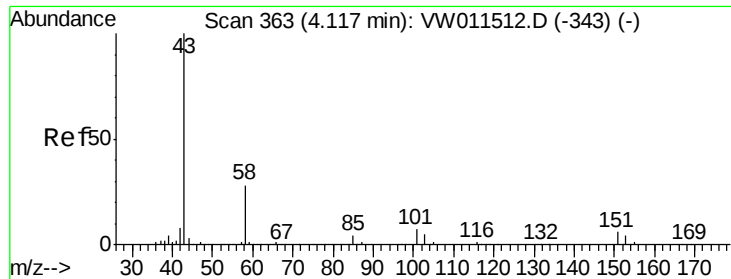
100

50

0

Time--> 5.16 5.18 5.20





#16

Acetone

Concen: 36.607 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

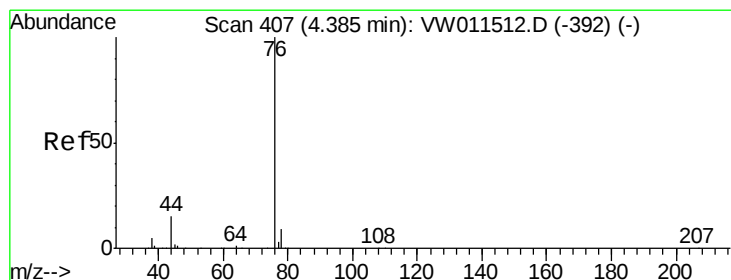
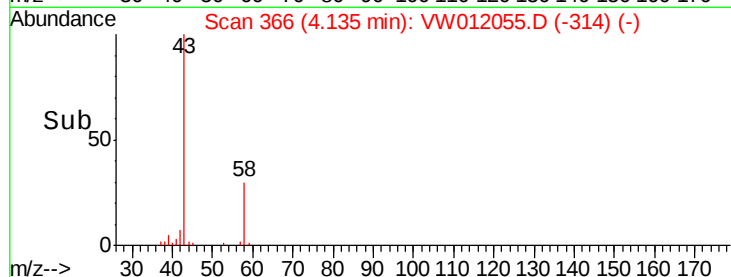
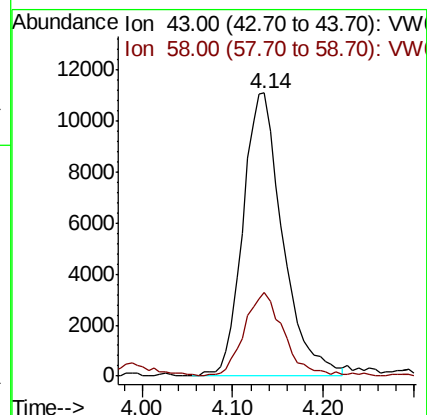
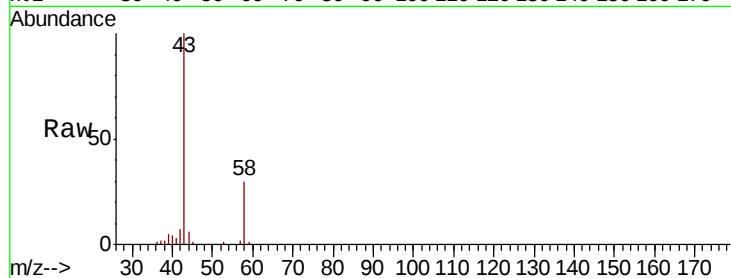
SUNSET-PARK-SB-4-7.5-8.0

Tgt Ion: 43 Resp: 33728

Ion Ratio Lower Upper

43 100

58 29.0 22.3 33.5



#17

Carbon Disulfide

Concen: 3.910 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012055.D

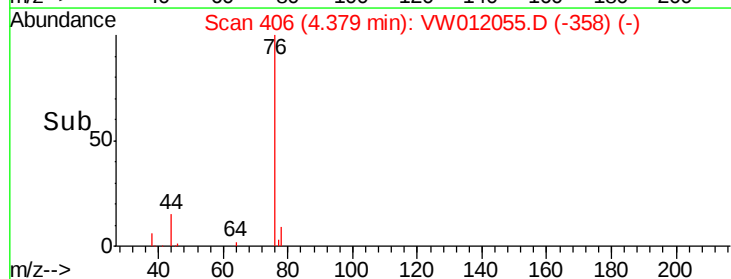
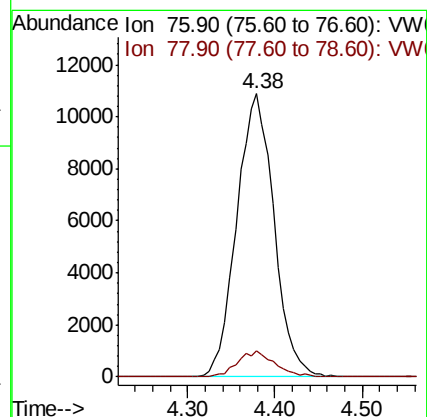
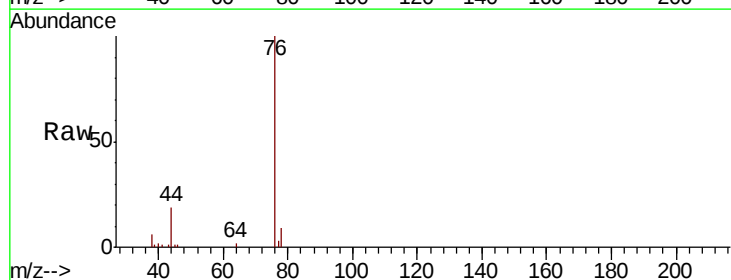
Acq: 21 Aug 2019 02:33

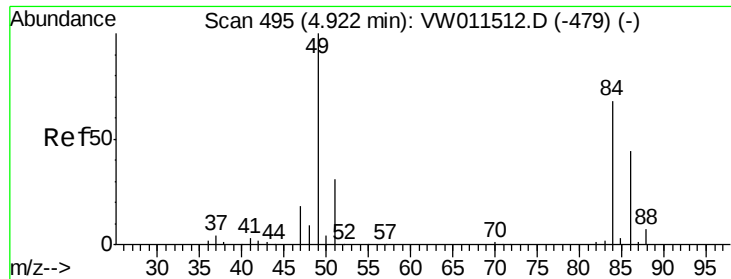
Tgt Ion: 76 Resp: 32150

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

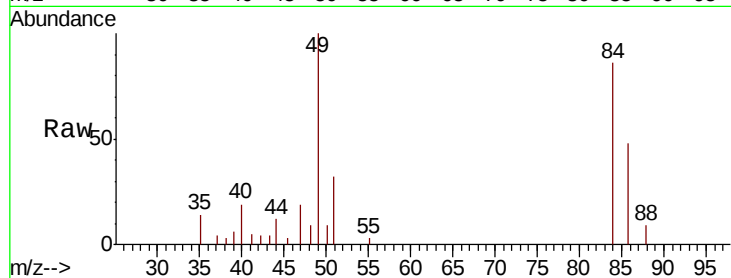




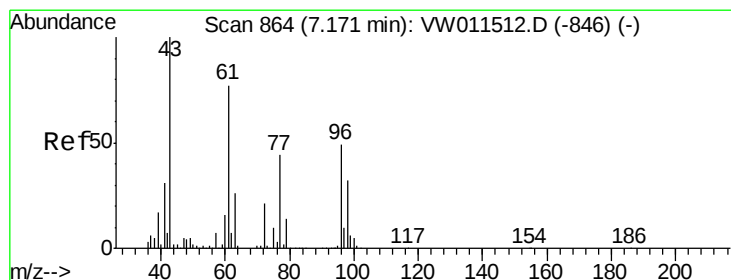
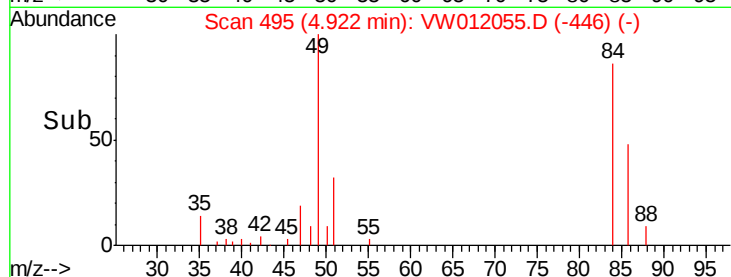
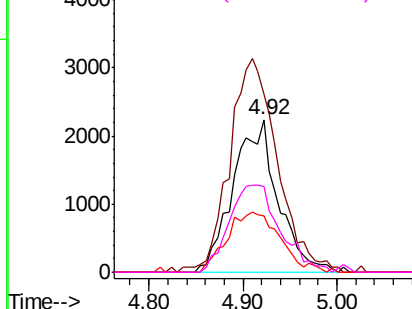
#20
Methylene Chloride
Concen: 2.336 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW012055.D
Acq: 21 Aug 2019 02:33

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-4-7.5-8.0

Tgt Ion: 84 Resp: 7424
Ion Ratio Lower Upper
84 100
49 113.3 117.8 176.6#
51 37.0 37.0 55.4#
86 56.3 51.8 77.8

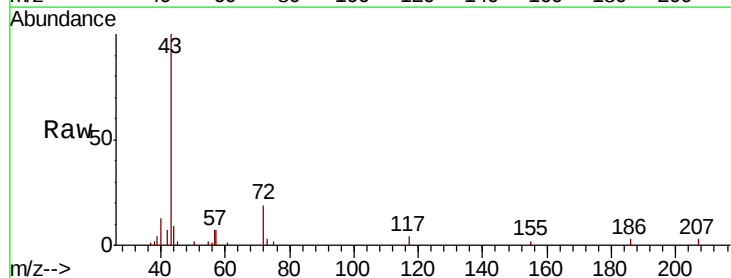


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

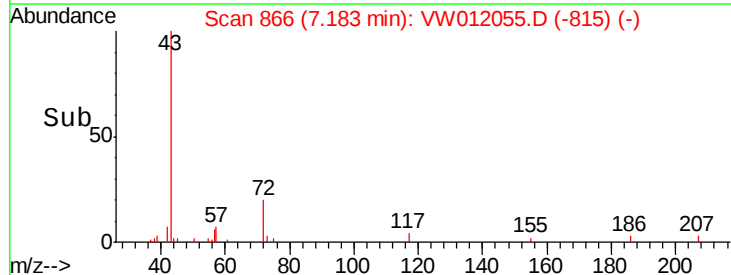
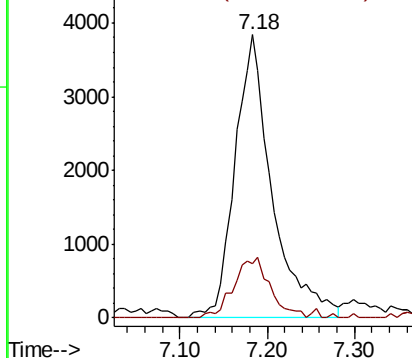


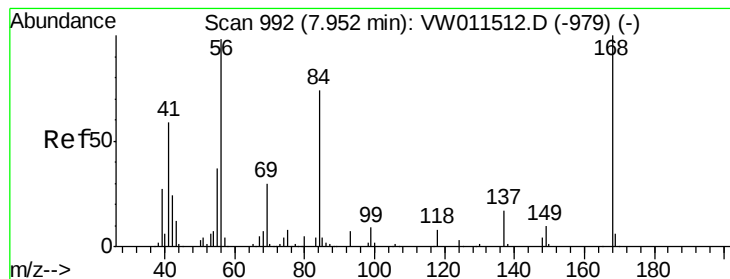
#25
2-Butanone
Concen: 9.407 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012055.D
Acq: 21 Aug 2019 02:33

Tgt Ion: 43 Resp: 11341
Ion Ratio Lower Upper
43 100
72 19.0 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: 1.205 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-4-7.5-8.0

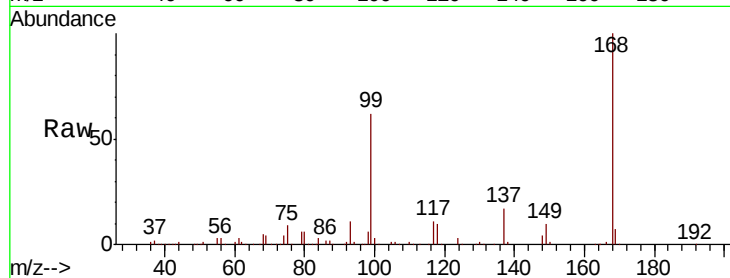
Tgt Ion: 56 Resp: 6527

Ion Ratio Lower Upper

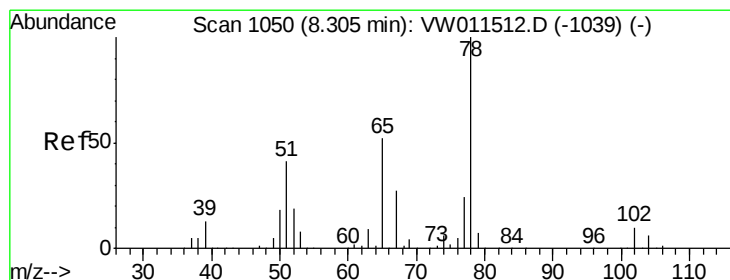
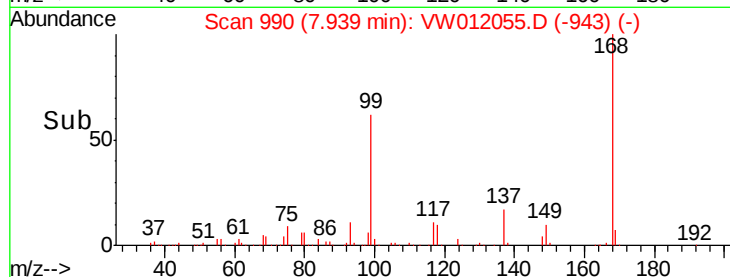
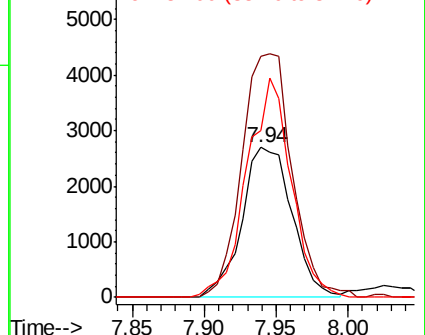
56 100

69 160.6 24.3 36.5#

84 110.8 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: 53.469 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012055.D

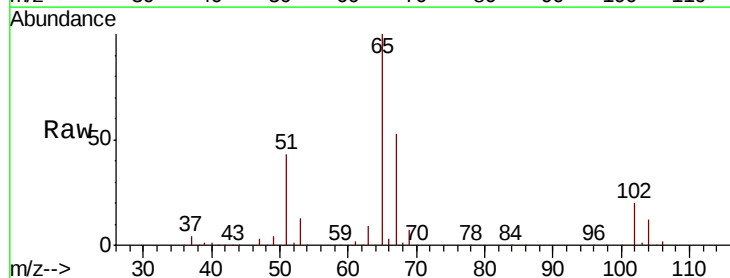
Acq: 21 Aug 2019 02:33

Tgt Ion: 65 Resp: 154872

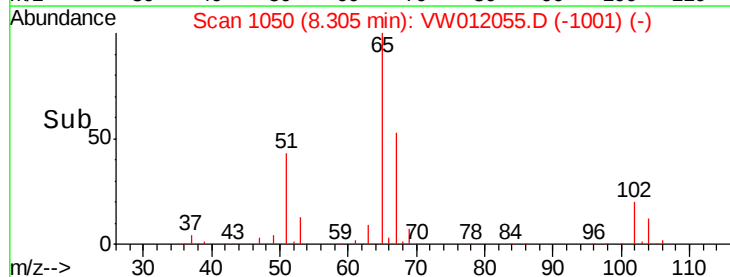
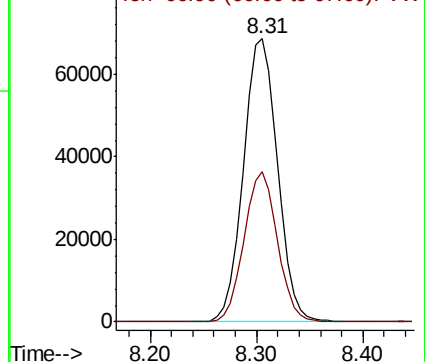
Ion Ratio Lower Upper

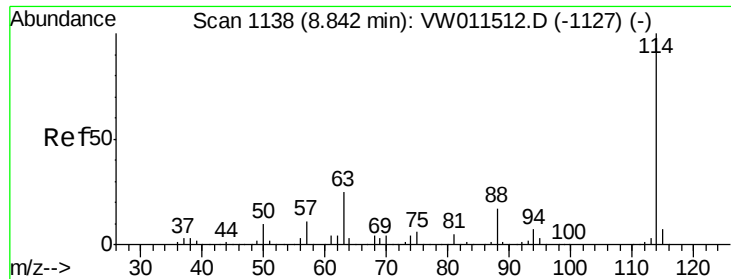
65 100

67 51.6 0.0 105.2



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

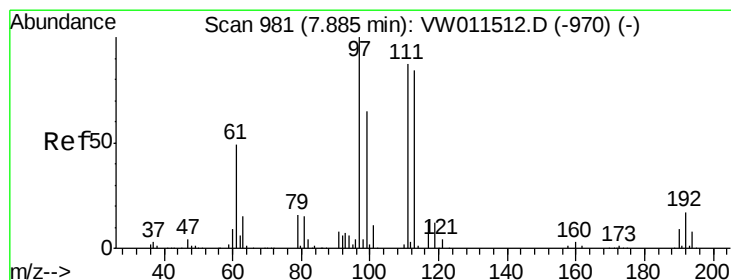
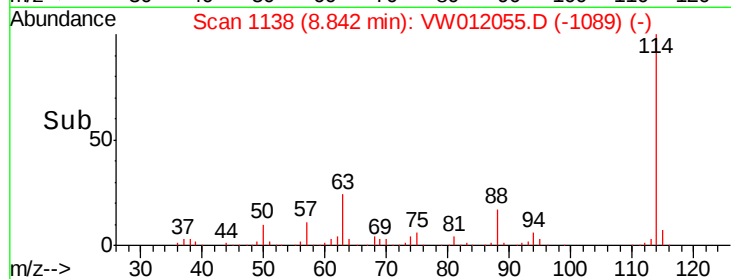
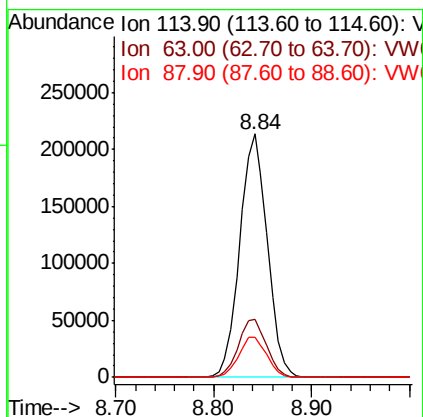
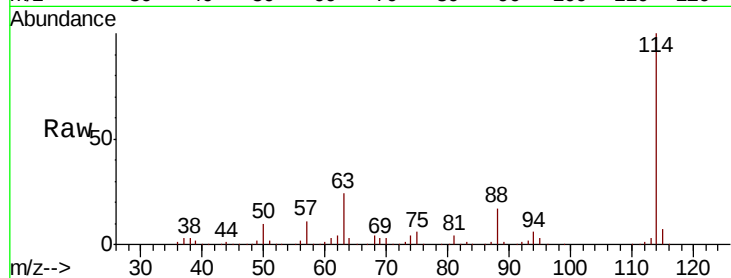




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

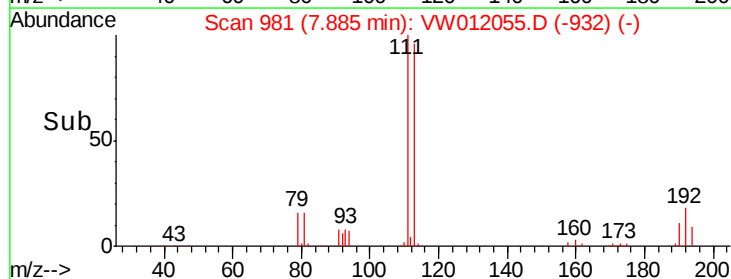
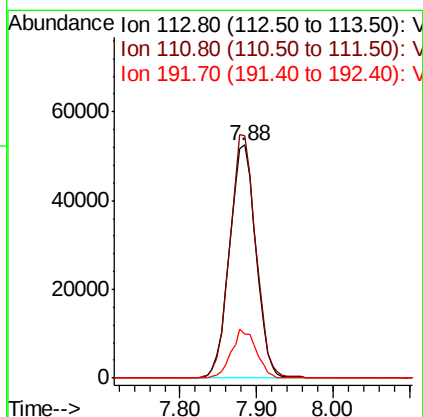
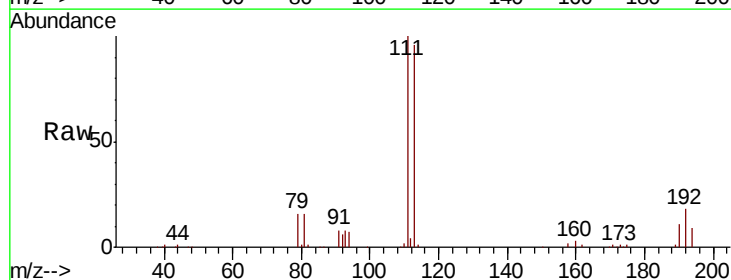
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 SUNSET-PARK-SB-4-7.5-8.0

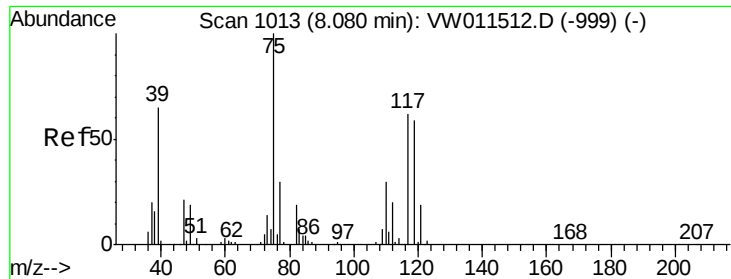
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	49.2
88	16.5	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.671 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	19.8	16.1	24.1

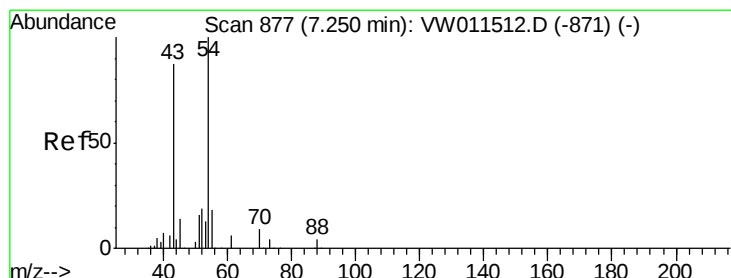
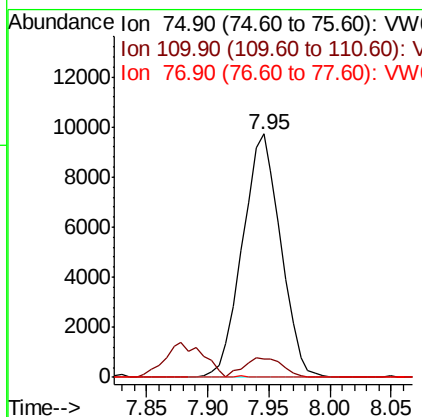
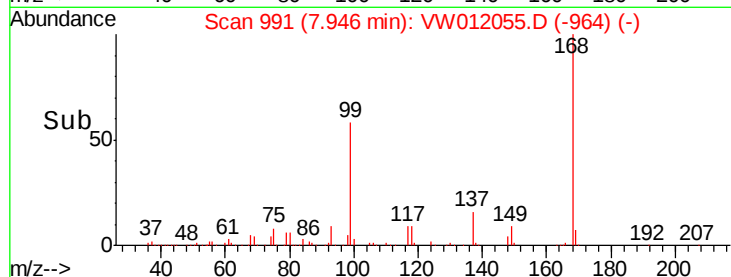
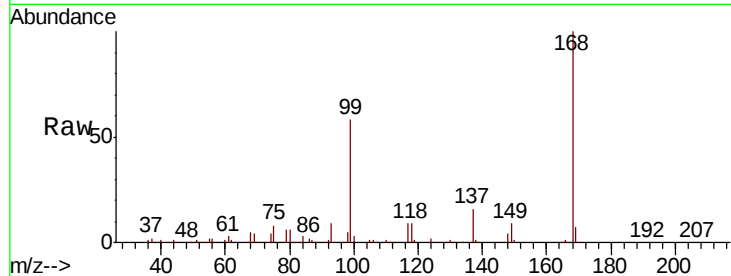




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

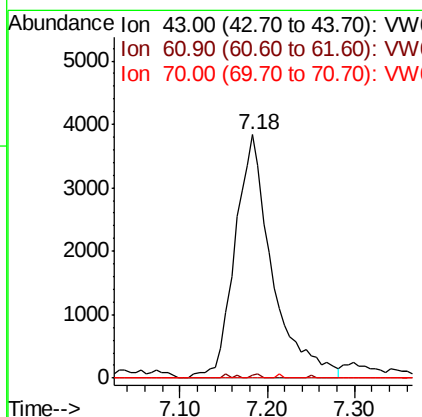
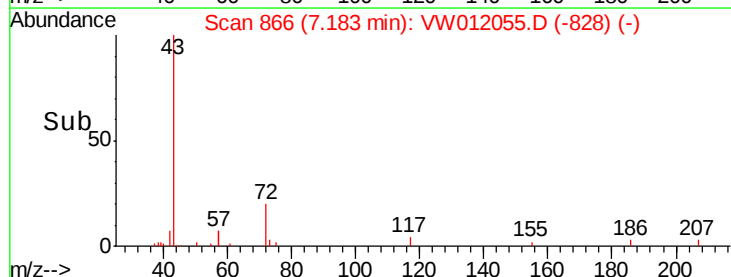
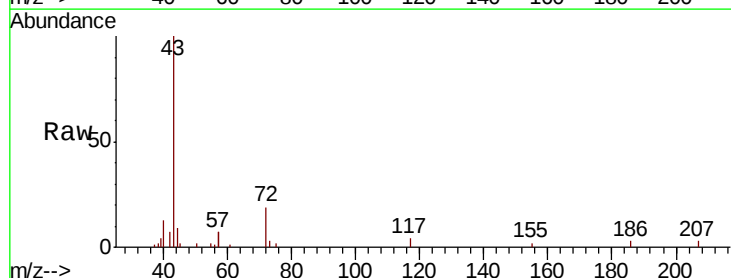
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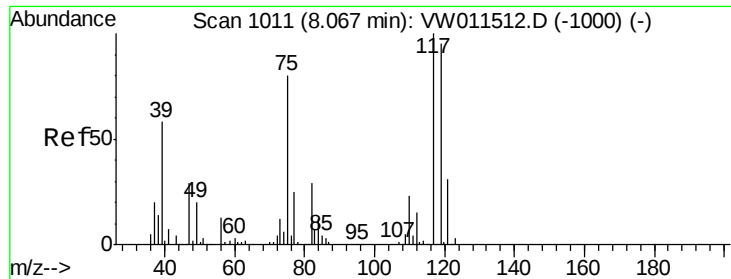
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.1	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 4.551 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.4	8.8	13.2#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.663 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-4-7.5-8.0

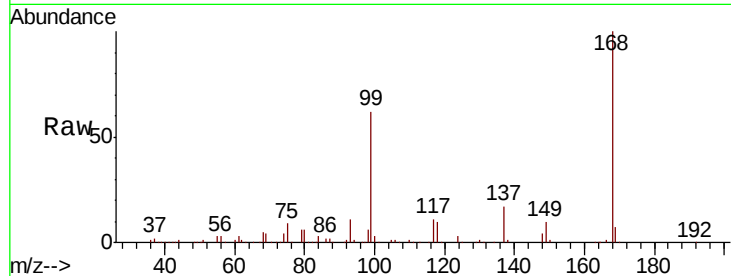
Tgt Ion:117 Resp: 24708

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

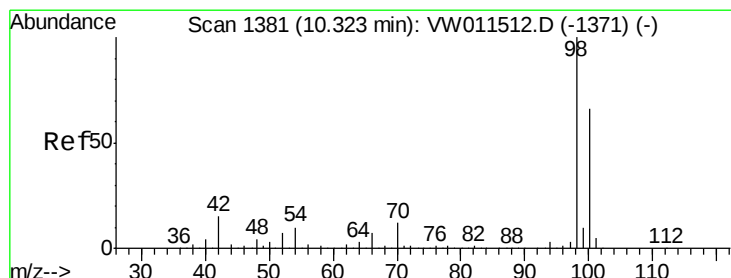
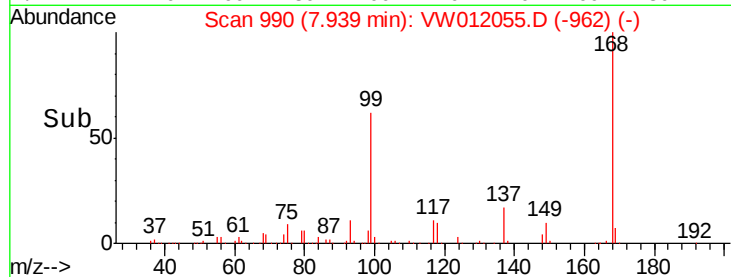
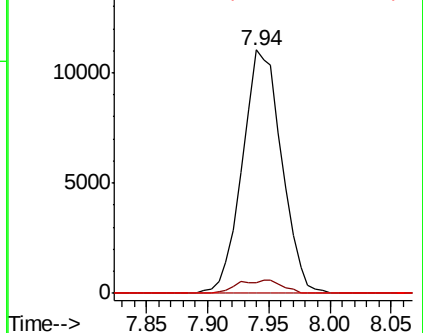
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 53.230 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012055.D

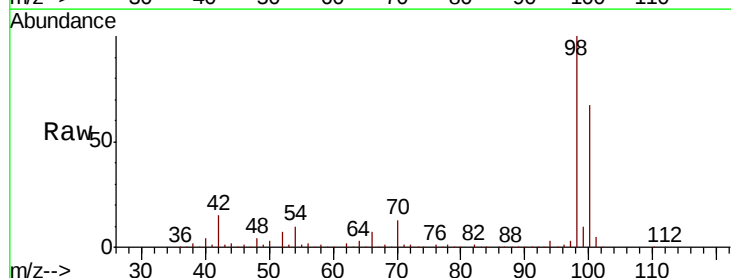
Acq: 21 Aug 2019 02:33

Tgt Ion: 98 Resp: 509325

Ion Ratio Lower Upper

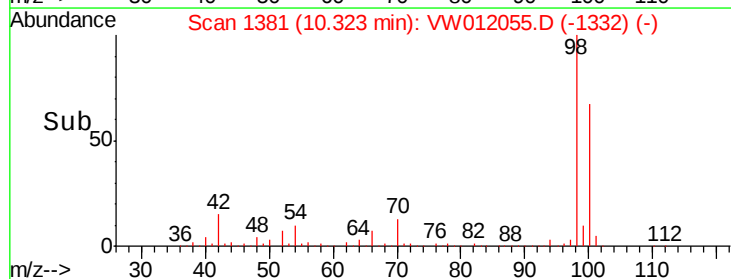
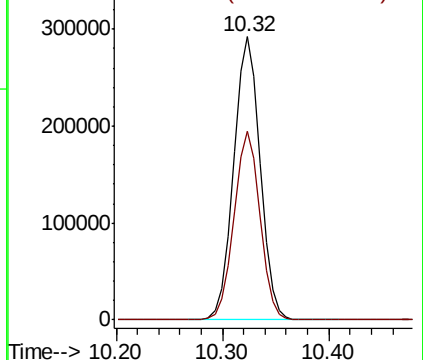
98 100

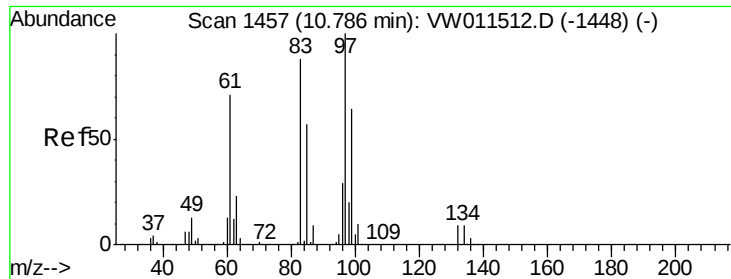
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

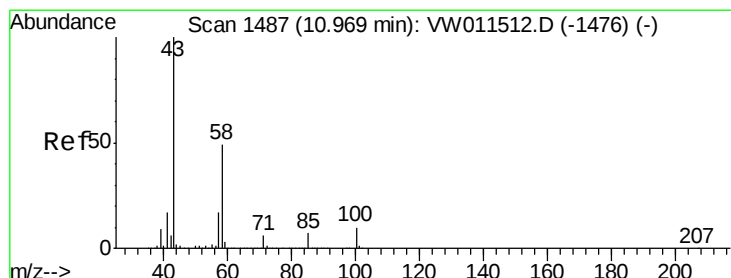
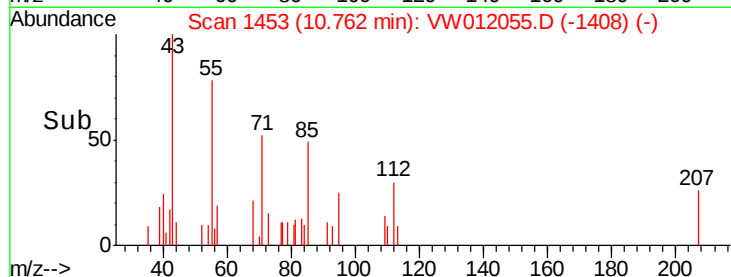
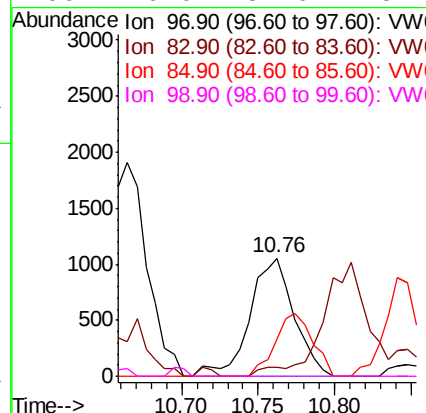
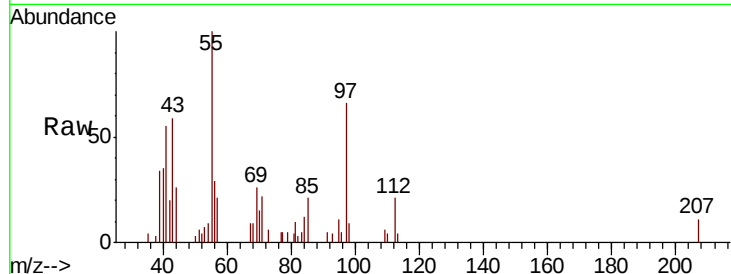




#55
 1,1,2-Trichloroethane
 Concen: 1.007 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

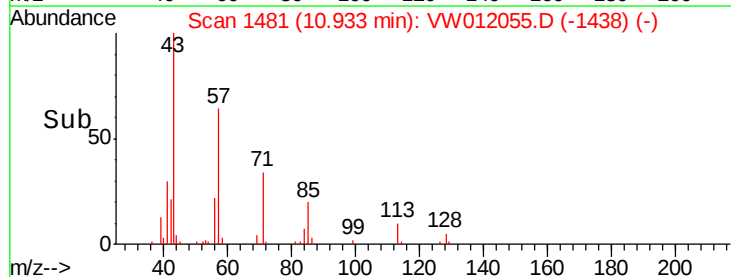
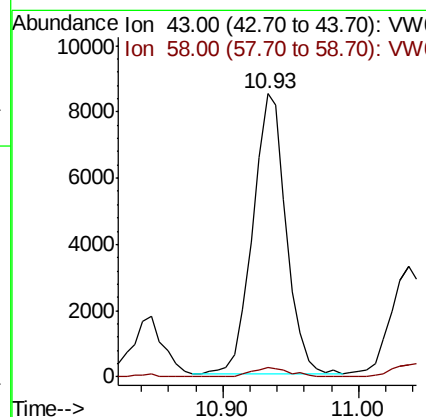
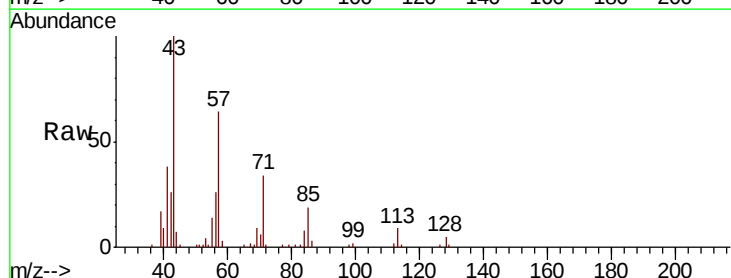
Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-4-7.5-8.0

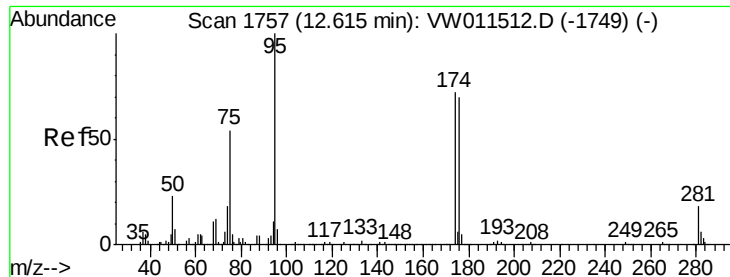
Tgt Ion: 97 Resp: 2117
 Ion Ratio Lower Upper
 97 100
 83 8.2 70.5 105.7#
 85 31.7 45.8 68.6#
 99 0.0 51.0 76.4#



#59
 2-Hexanone
 Concen: 8.638 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW012055.D
 Acq: 21 Aug 2019 02:33

Tgt Ion: 43 Resp: 14540
 Ion Ratio Lower Upper
 43 100
 58 3.6 24.3 72.9#

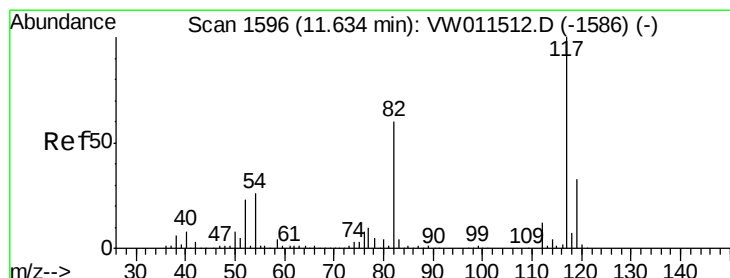
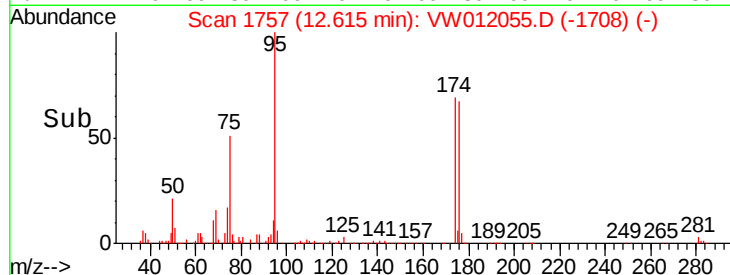
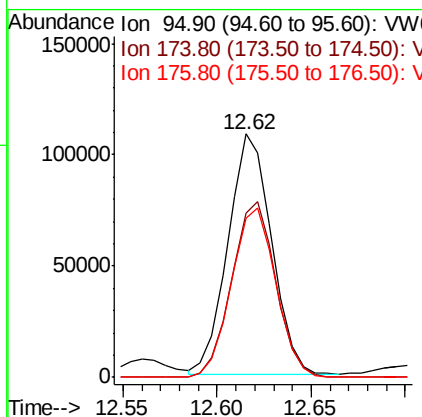
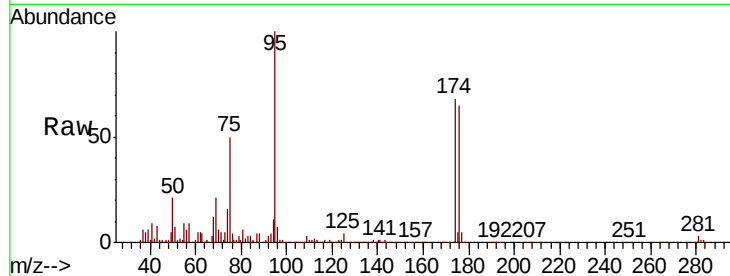




#62
4-Bromofluorobenzene
Concen: 50.894 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012055.D
Acq: 21 Aug 2019 02:33

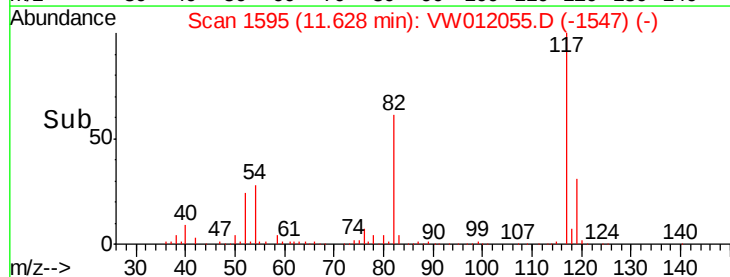
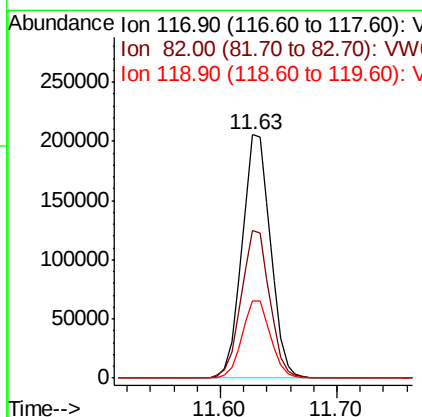
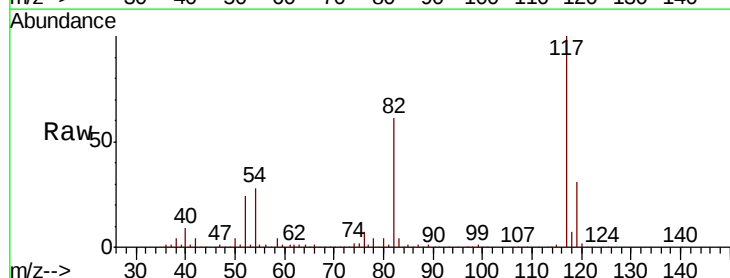
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-4-7.5-8.0

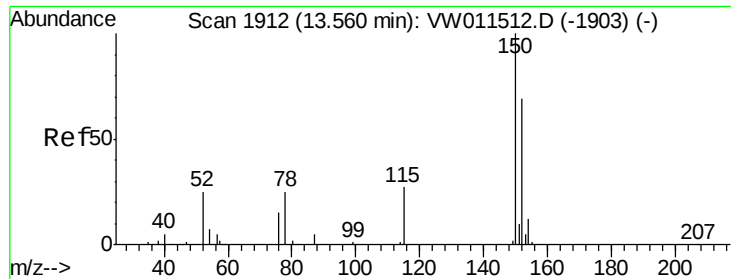
Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	150.2
176	71.7	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012055.D
Acq: 21 Aug 2019 02:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.9	71.9
119	31.5	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-4-7.5-8.0

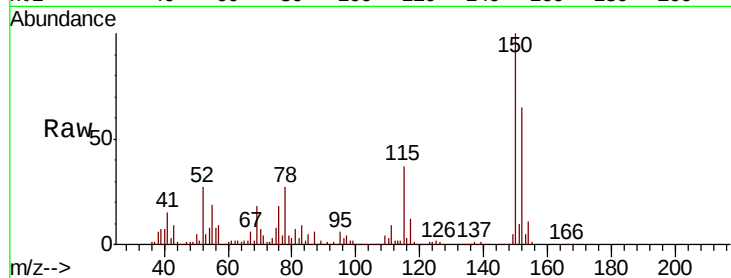
Tgt Ion:152 Resp: 147858

Ion Ratio Lower Upper

152 100

115 57.9 30.5 91.5

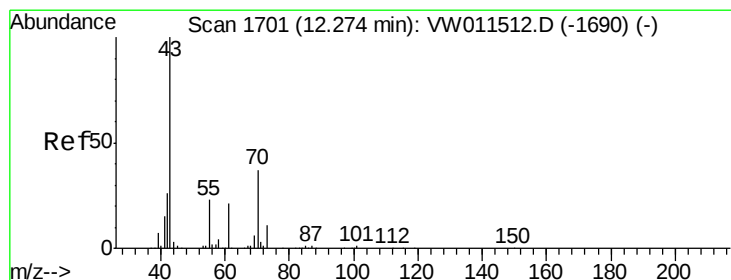
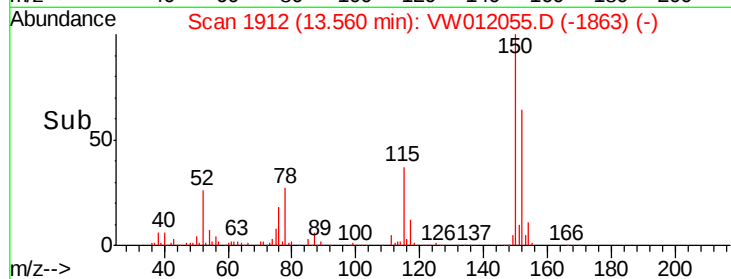
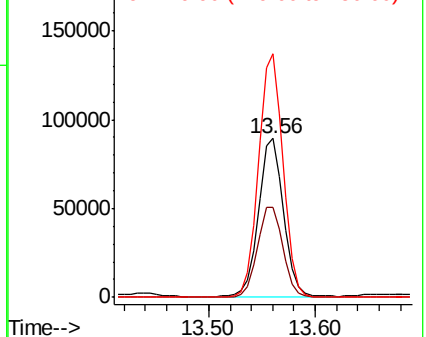
150 148.6 0.0 352.6



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



#74

N-ethyl acetate

Concen: 26.078 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Tgt Ion: 43 Resp: 90059

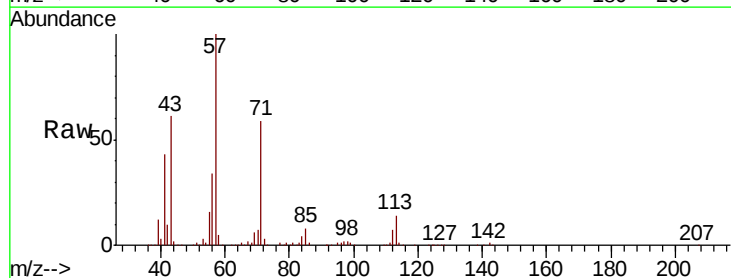
Ion Ratio Lower Upper

43 100

70 15.9 28.6 43.0#

55 40.9 17.8 26.8#

61 0.0 17.0 25.6#

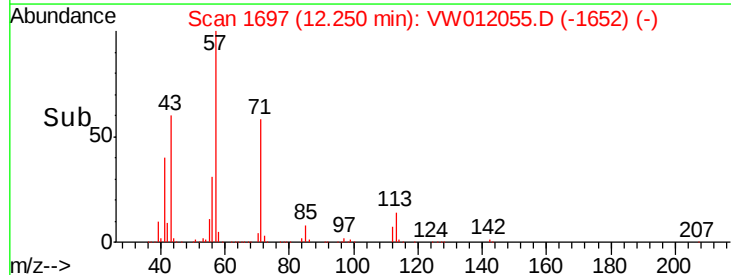
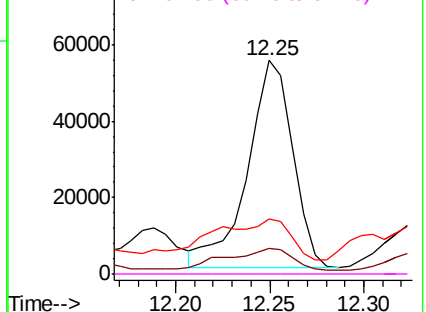


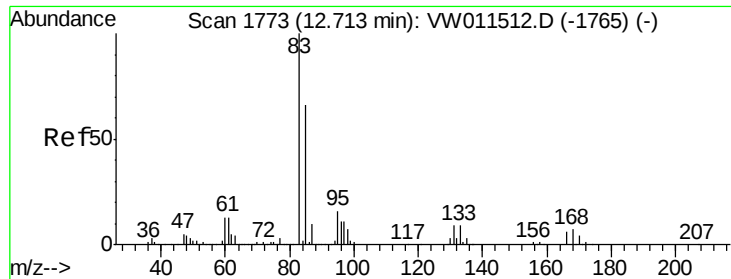
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 4.172 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-4-7.5-8.0

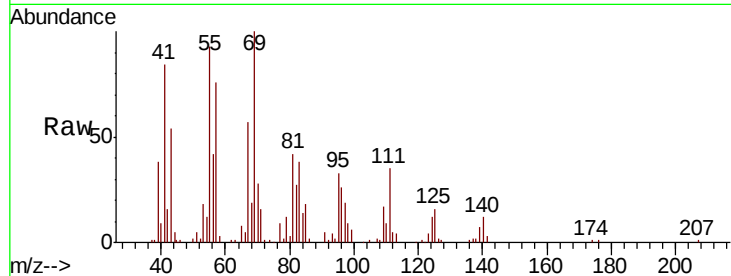
Tgt Ion: 83 Resp: 8657

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

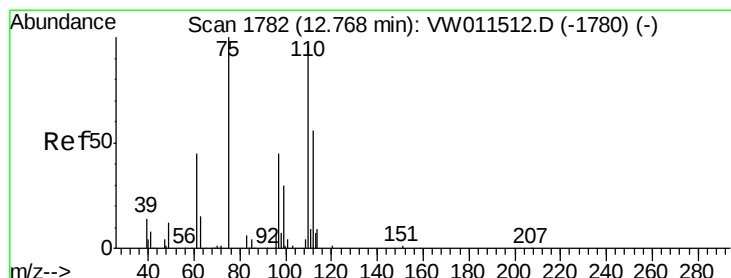
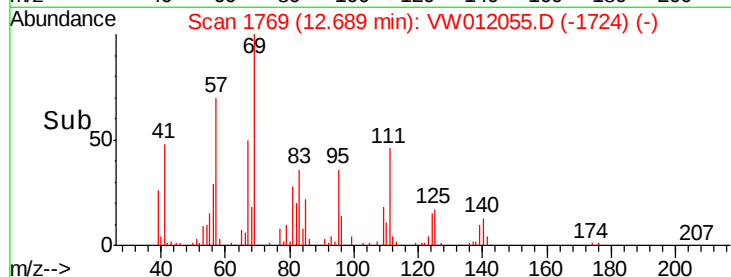
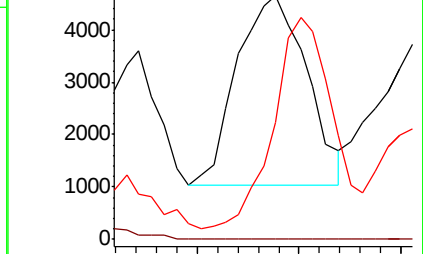
85 92.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 57.677 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012055.D

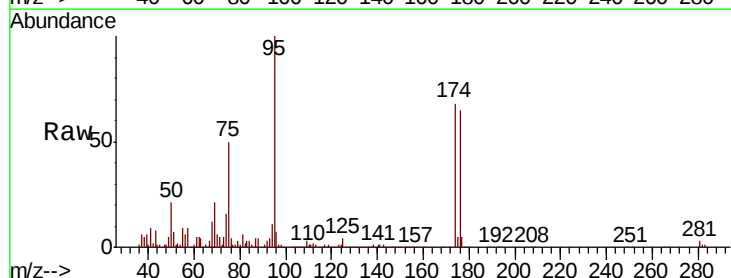
Acq: 21 Aug 2019 02:33

Tgt Ion: 75 Resp: 90236

Ion Ratio Lower Upper

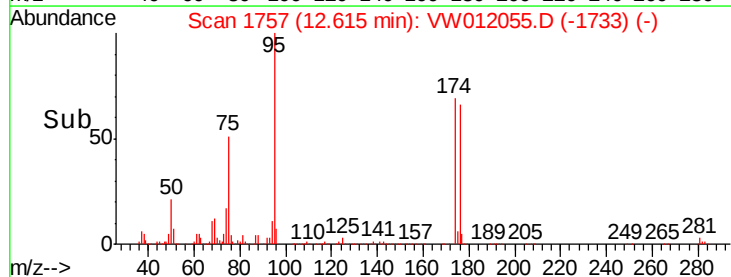
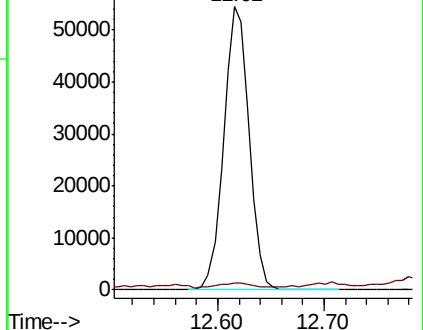
75 100

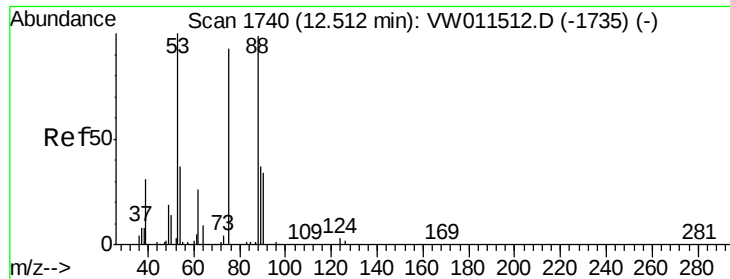
77 2.7 0.0 0.0#



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: 132.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-4-7.5-8.0

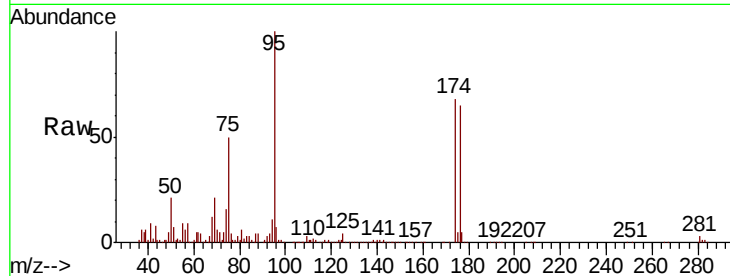
Tgt Ion: 75 Resp: 90236

Ion Ratio Lower Upper

75 100

53 2.6 88.0 132.0#

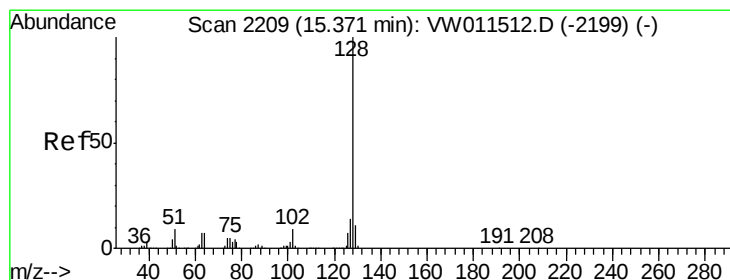
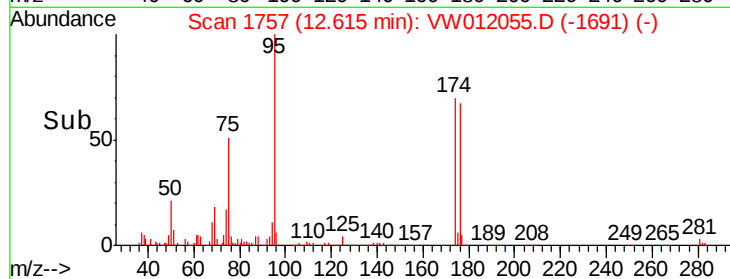
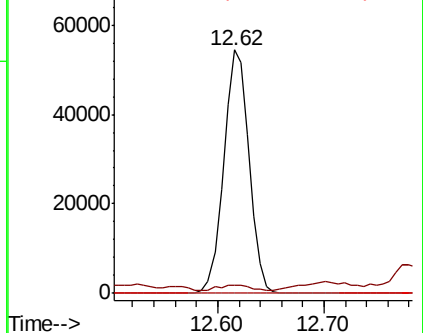
89 0.1 35.3 52.9#



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: 2.087 ug/l

RT: 15.41 min Scan# 2216

Delta R.T. 0.04 min

Lab File: VW012055.D

Acq: 21 Aug 2019 02:33

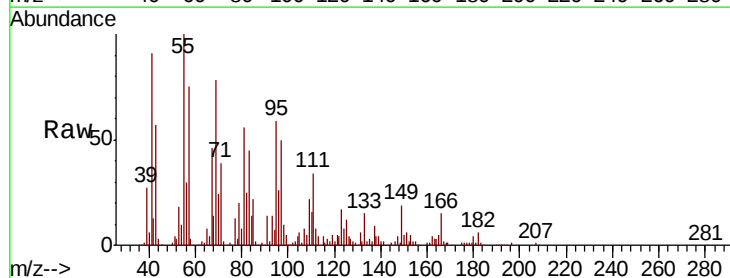
Tgt Ion: 128 Resp: 126

Ion Ratio Lower Upper

128 100

127 1141.3 10.6 16.0#

129 0.0 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

