

Data File : VW012104.D
Acq On : 22 Aug 2019 12:25
Operator : SY/VA
Sample : K4421-04
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

Quant Time: Aug 23 07:58:56 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	217060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138078	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
35) Dibromofluoromethane	7.88	113	110738	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	10.32	98	444853	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.62	95	143659	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

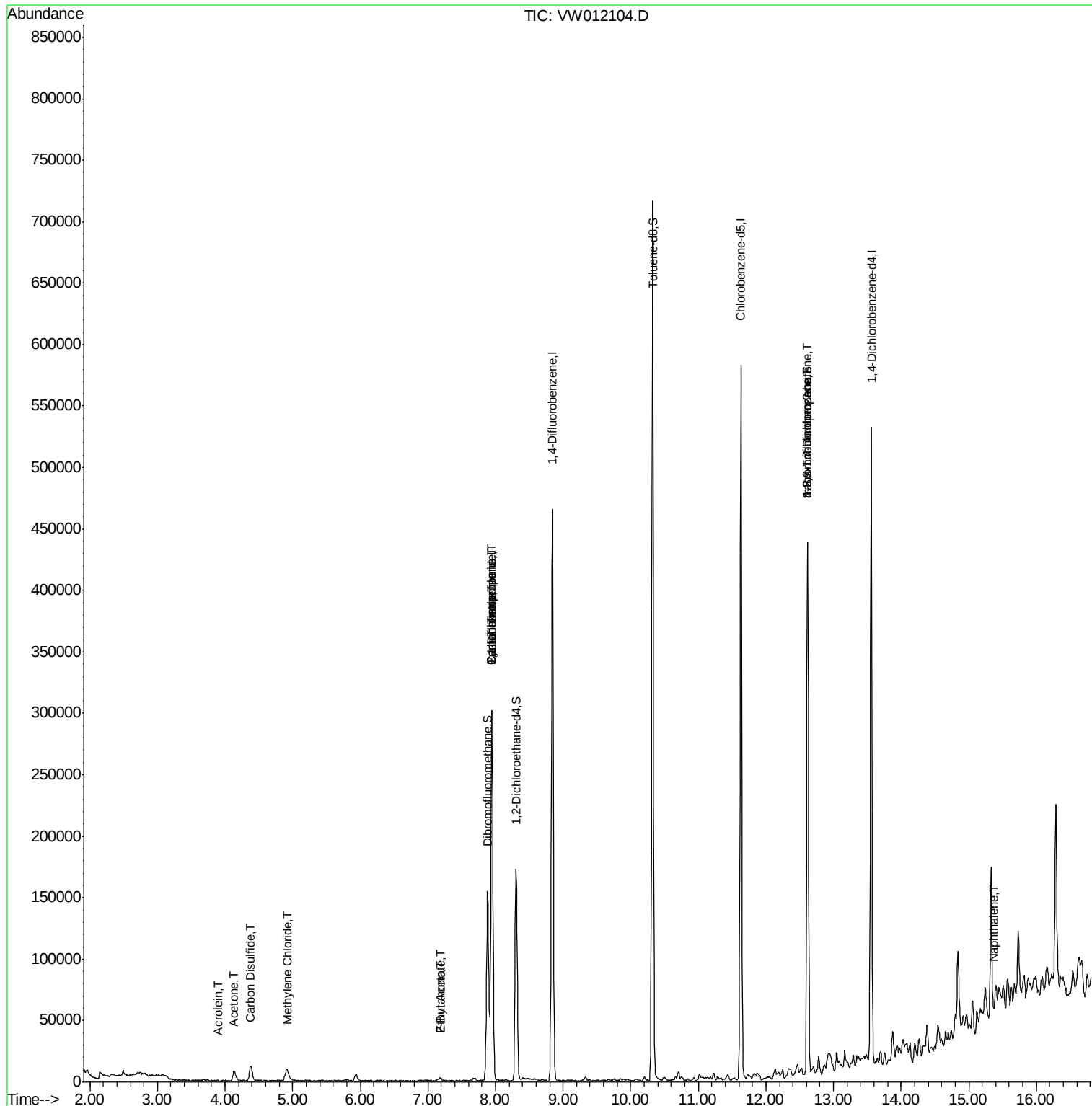
						Qvalue
11) Tert butyl alcohol	5.18	59	391	Below Cal	#	87
13) Acrolein	3.89	56	416	2.326	ug/l	94
16) Acetone	4.13	43	16583	20.916	ug/l	93
17) Carbon Disulfide	4.38	76	26273	3.713	ug/l #	94
20) Methylene Chloride	4.91	84	7181	2.626	ug/l	96
25) 2-Butanone	7.19	43	4285	4.130	ug/l	99
31) Cyclohexane	7.95	56	5796	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19163	5.041	ug/l #	52
37) Ethyl Acetate	7.19	43	4285	1.959	ug/l #	73
38) Carbon Tetrachloride	7.95	117	21813	6.703	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77576	57.050	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77576	131.480	ug/l #	6
95) Naphthalene	15.37	128	6500	3.294	ug/l #	82

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

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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: VW012104.D

Acq: 22 Aug 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

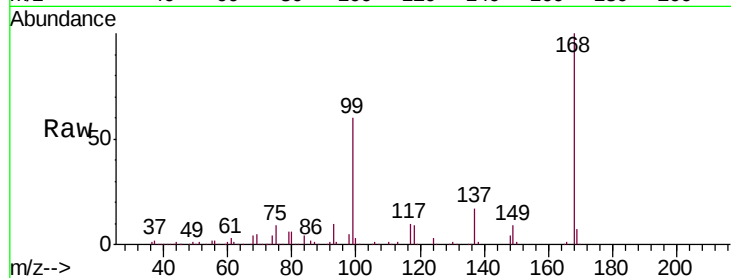
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion: 168 Resp: 217060

Ion Ratio Lower Upper

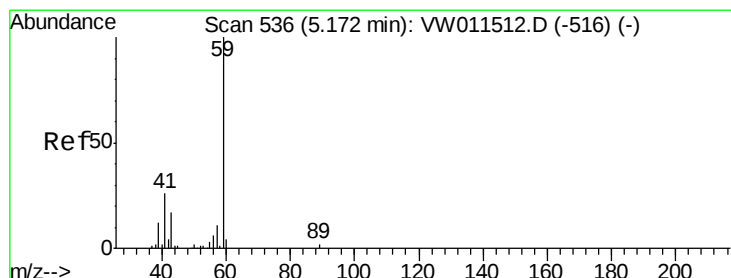
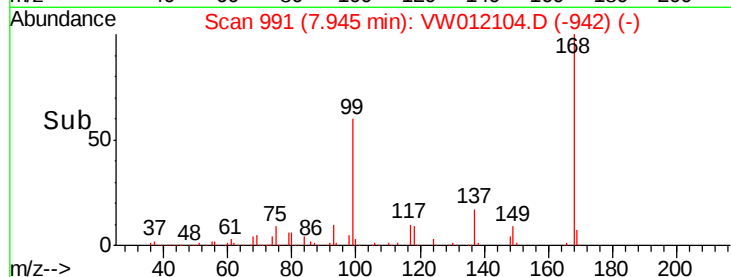
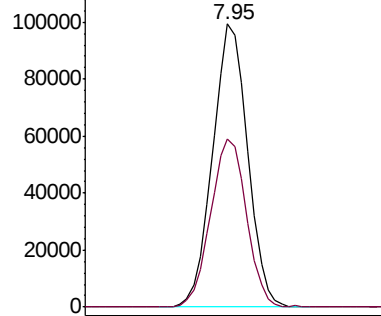
168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012104.D

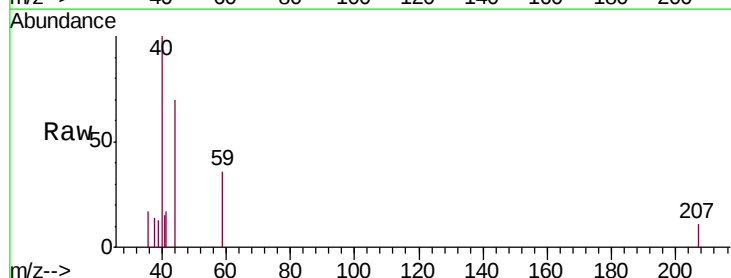
Acq: 22 Aug 2019 12:25

Tgt Ion: 59 Resp: 391

Ion Ratio Lower Upper

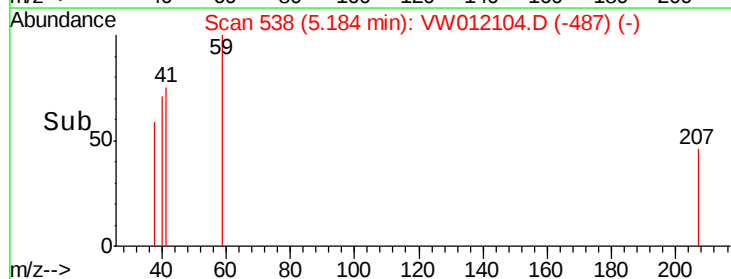
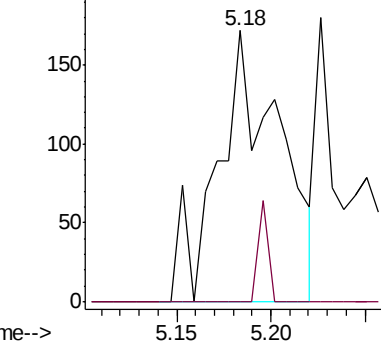
59 100

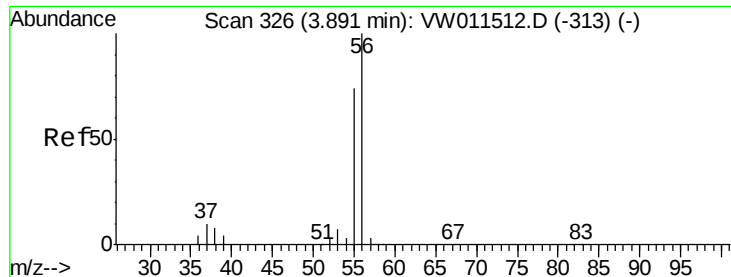
57 5.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

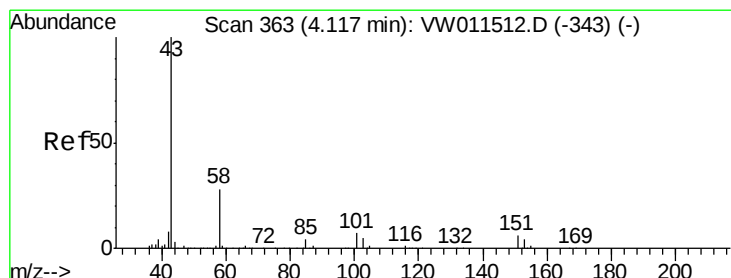
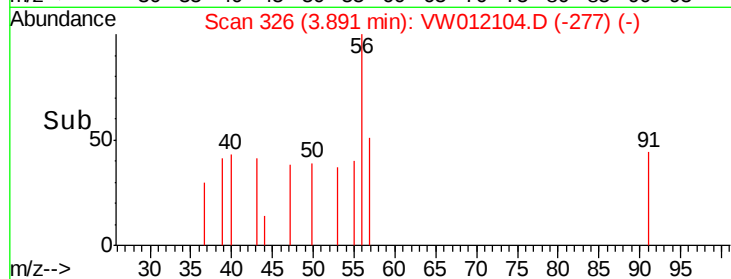
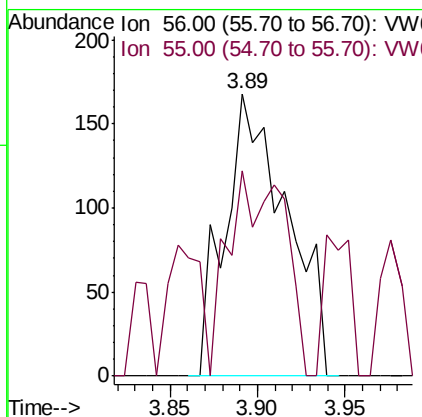
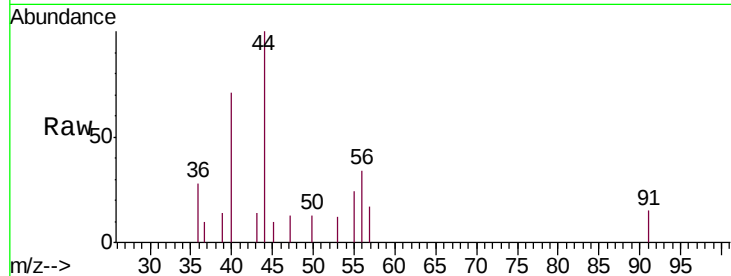




#13
Acrolein
Concen: 2.326 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

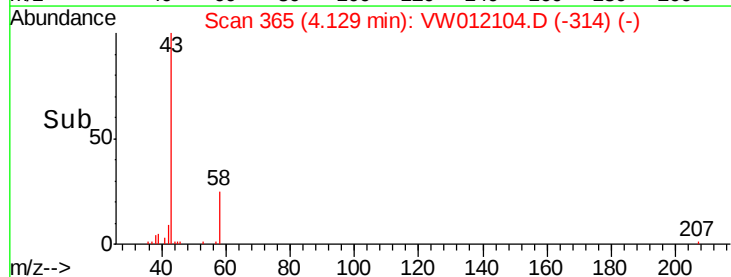
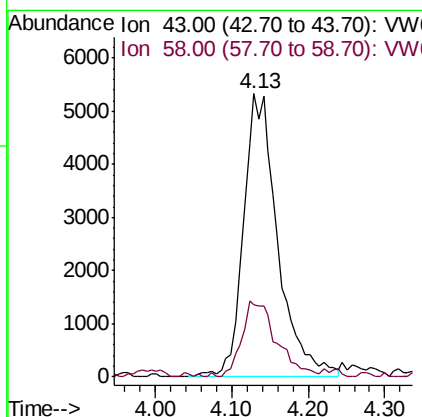
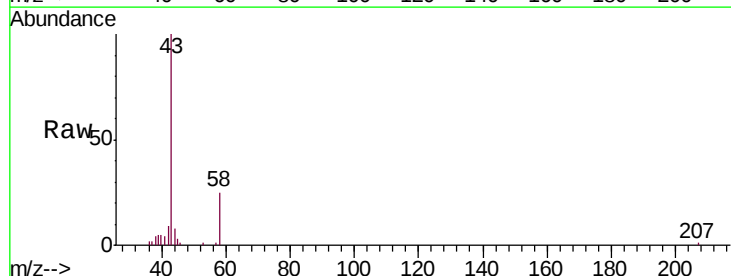
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

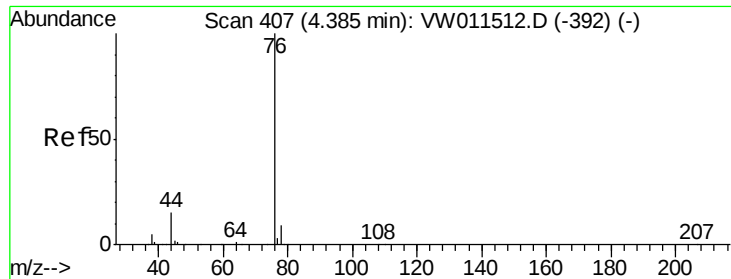
Tgt Ion: 56 Resp: 416
Ion Ratio Lower Upper
56 100
55 65.1 56.0 84.0



#16
Acetone
Concen: 20.916 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion: 43 Resp: 16583
Ion Ratio Lower Upper
43 100
58 24.3 22.3 33.5

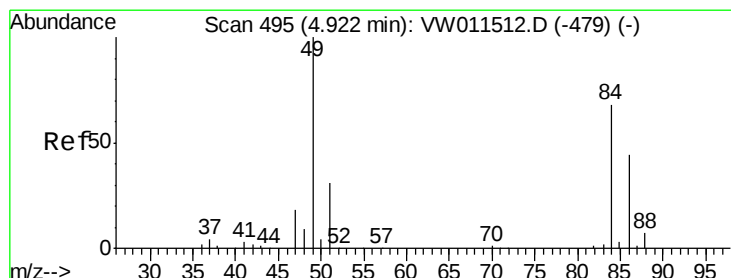
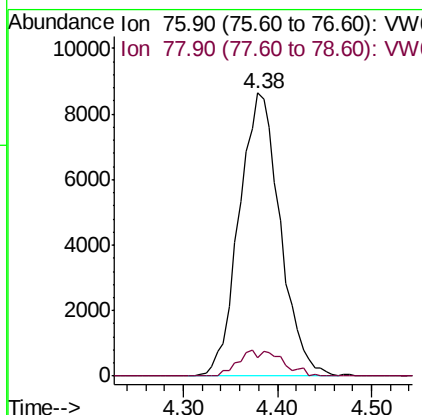
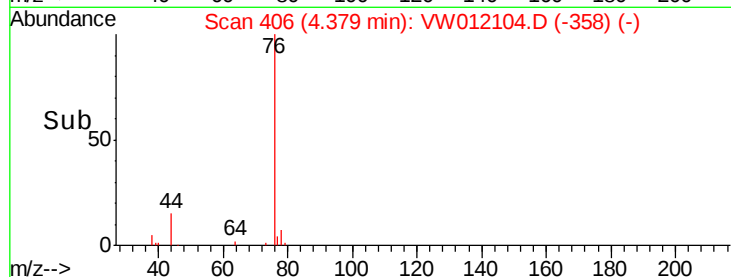
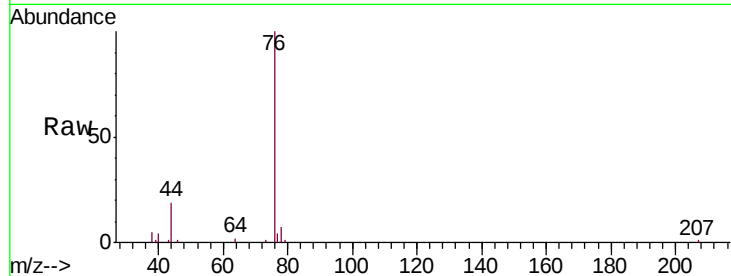




#17
Carbon Disulfide
Concen: 3.713 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

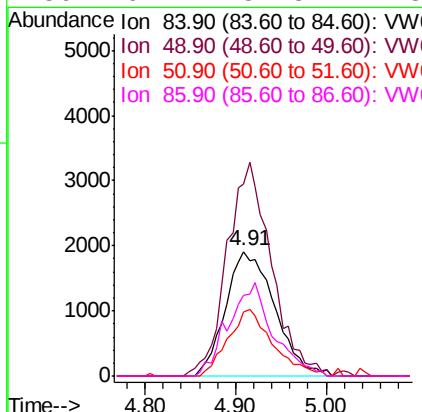
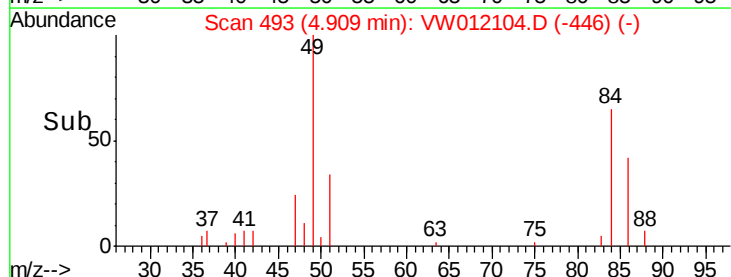
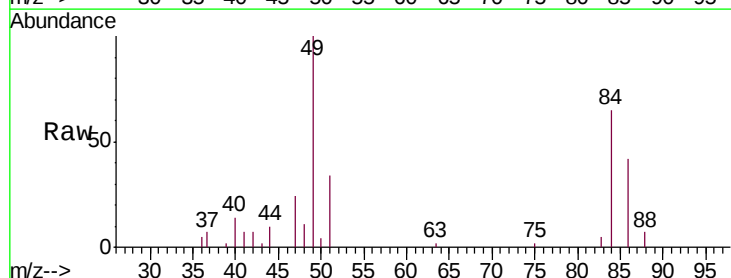
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

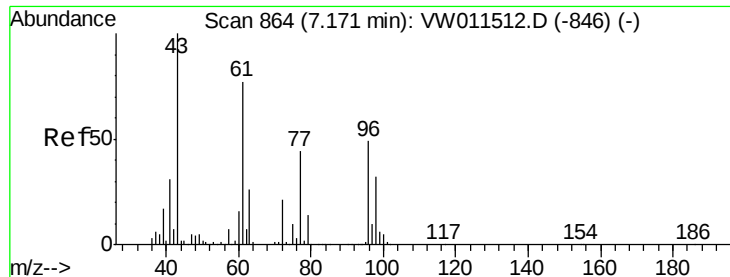
Tgt Ion: 76 Resp: 26273
Ion Ratio Lower Upper
76 100
78 6.7 7.1 10.7#



#20
Methylene Chloride
Concen: 2.626 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion: 84 Resp: 7181
Ion Ratio Lower Upper
84 100
49 151.5 117.8 176.6
51 51.9 37.0 55.4
86 64.4 51.8 77.8

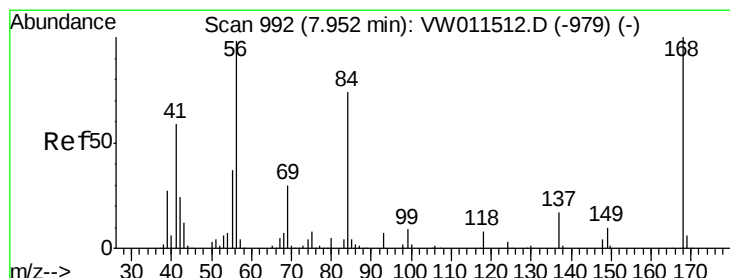
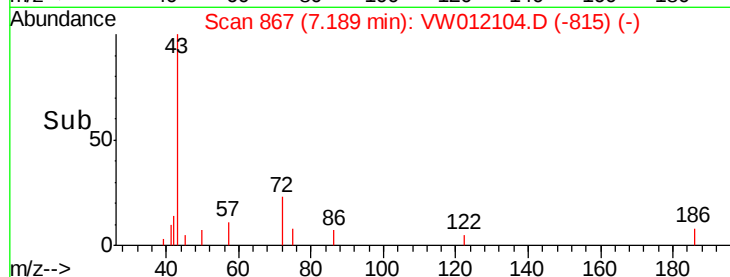
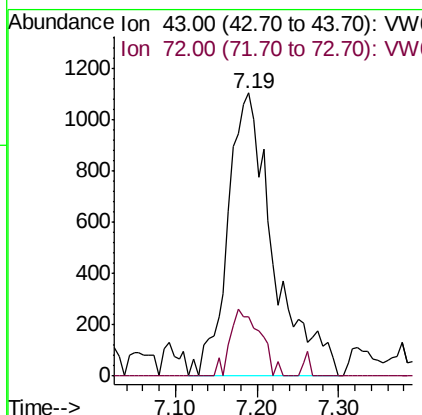
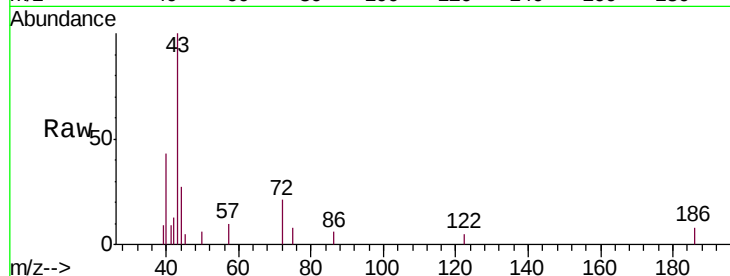




#25
2-Butanone
Concen: 4.130 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

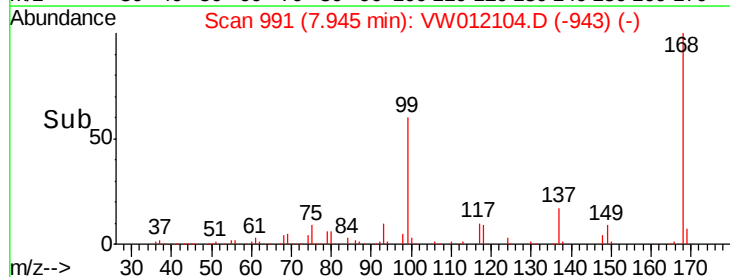
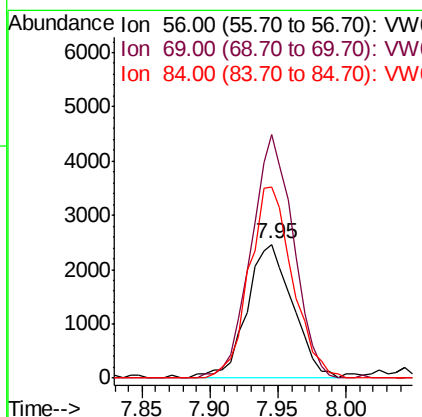
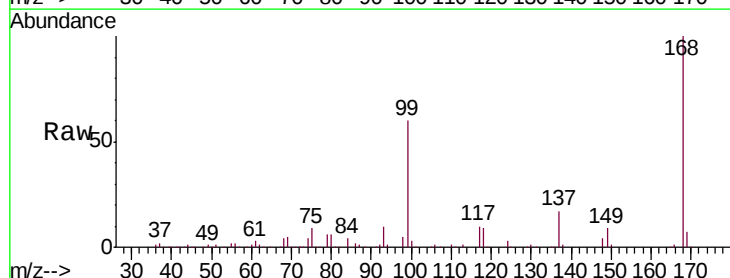
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

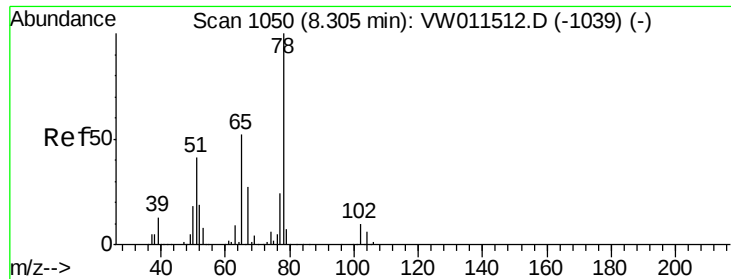
Tgt Ion: 43 Resp: 4285
Ion Ratio Lower Upper
43 100
72 21.1 16.6 24.8



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion: 56 Resp: 5796
Ion Ratio Lower Upper
56 100
69 182.3 24.3 36.5#
84 143.1 60.4 90.6#

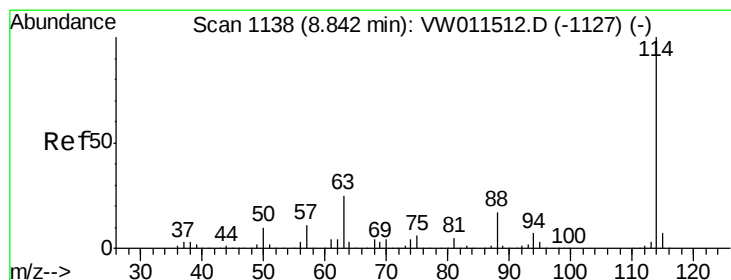
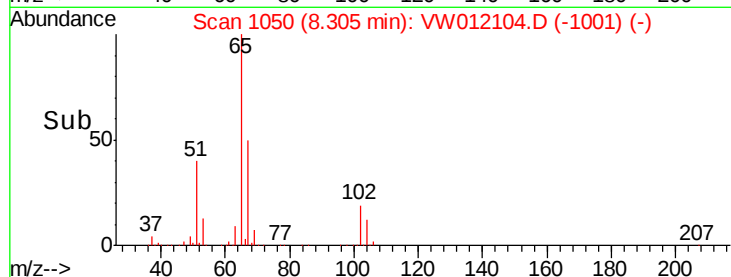
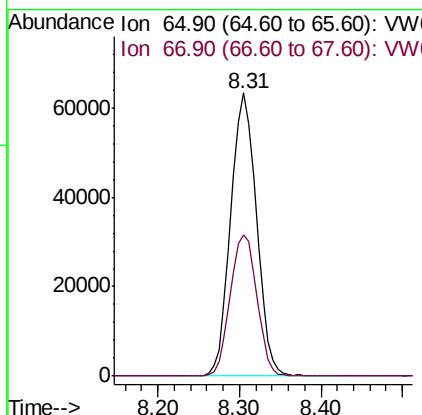
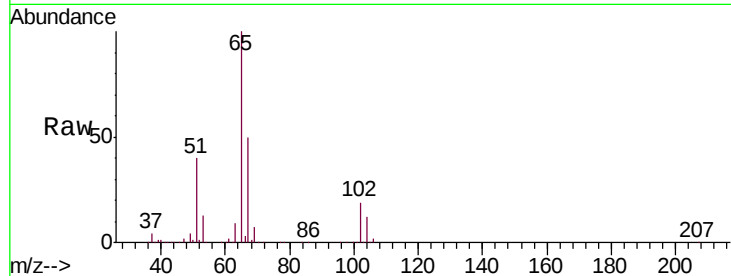




#33
 1,2-Dichloroethane-d4
 Concen: 55.398 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012104.D
 Acq: 22 Aug 2019 12:25

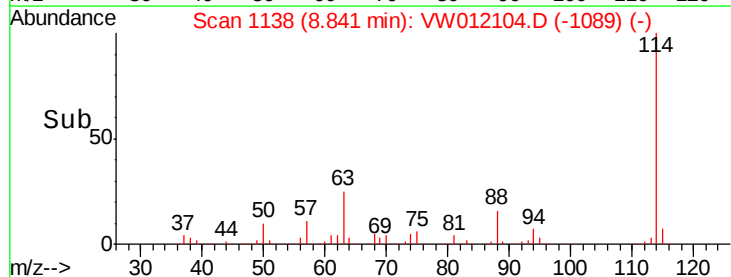
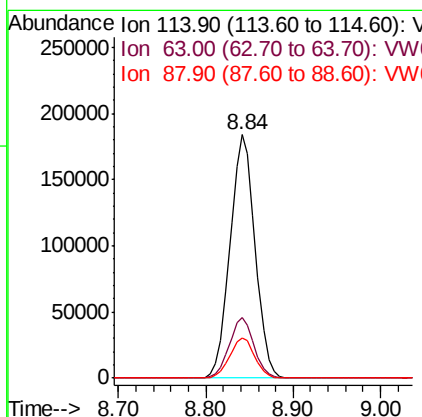
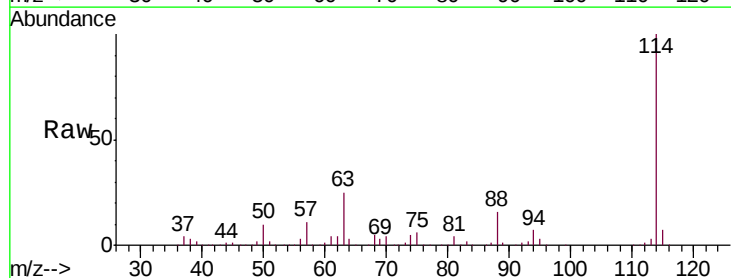
Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-6-7.5-8.0

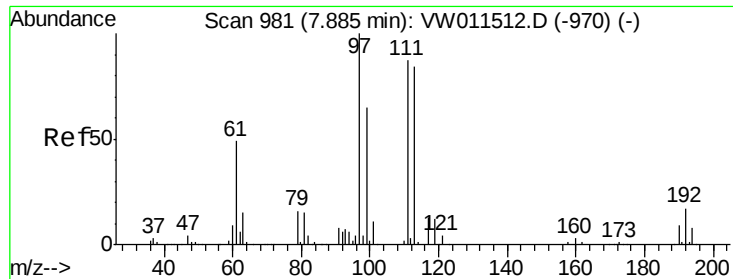
Tgt Ion: 65 Resp: 138078
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012104.D
 Acq: 22 Aug 2019 12:25

Tgt Ion: 114 Resp: 365571
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.5 0.0 33.8

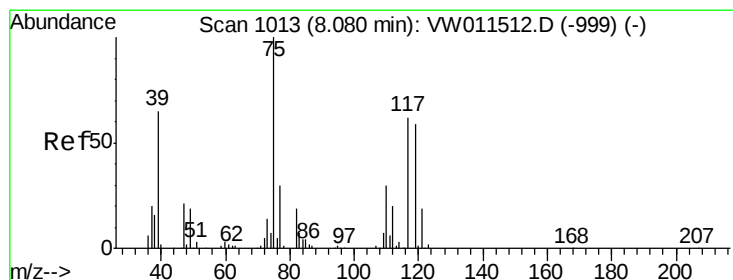
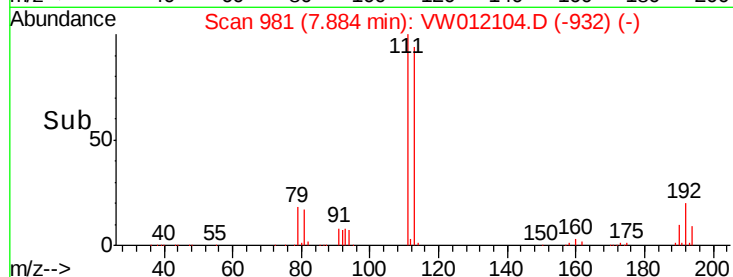
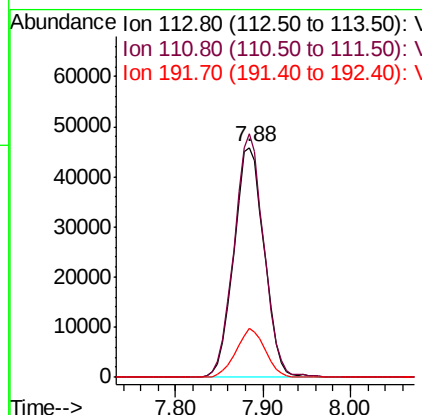
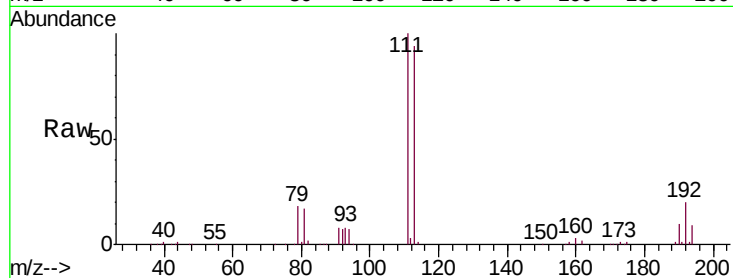




#35
 Dibromofluoromethane
 Concen: 53.994 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012104.D
 Acq: 22 Aug 2019 12:25

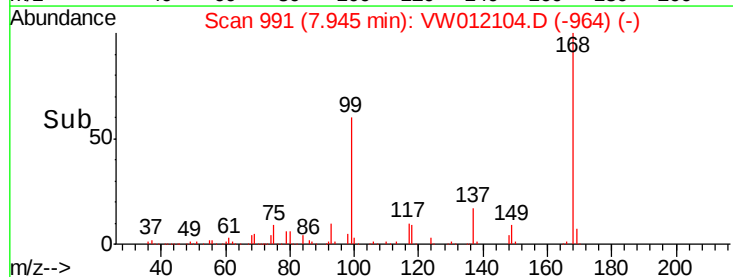
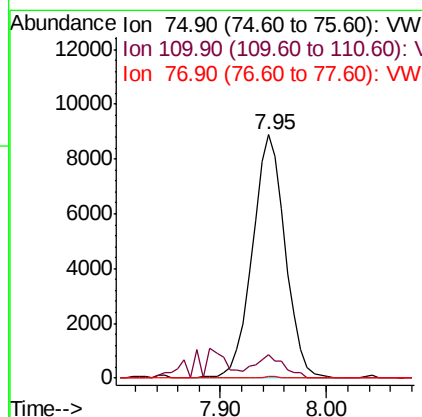
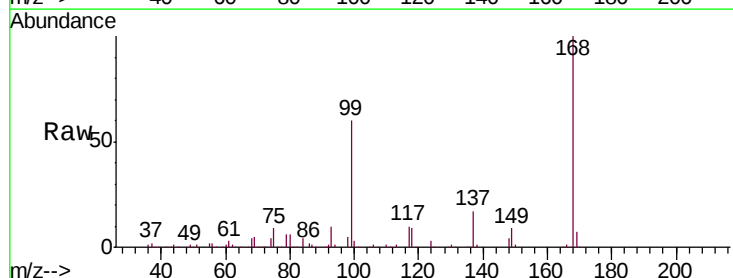
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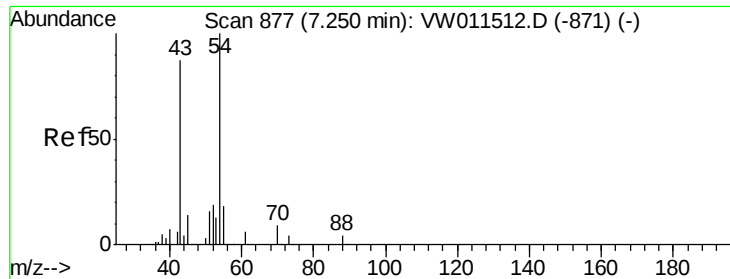
Tgt Ion: 113 Resp: 110738
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.041 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012104.D
 Acq: 22 Aug 2019 12:25

Tgt Ion: 75 Resp: 19163
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.2 24.3 36.5#

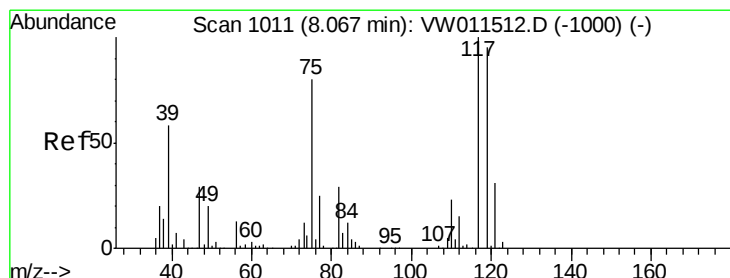
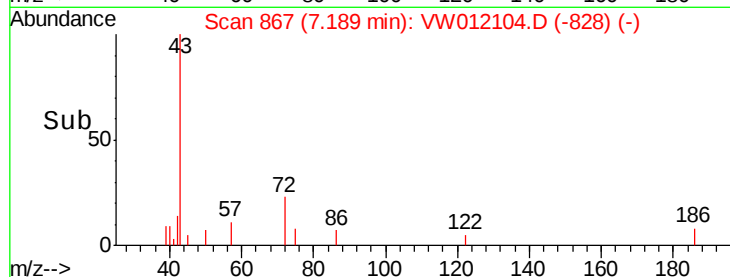
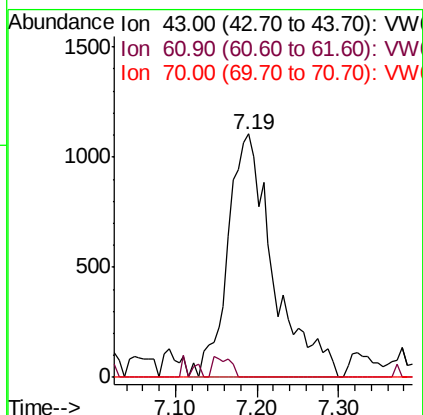
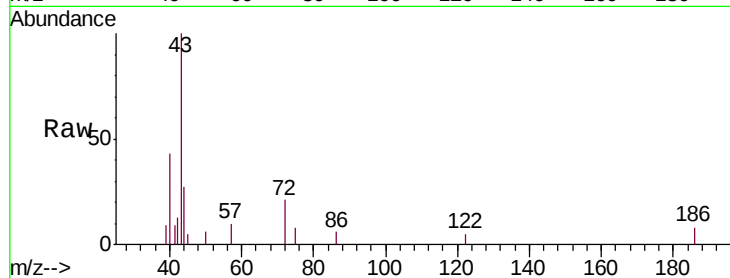




#37
Ethyl Acetate
Concen: 1.959 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

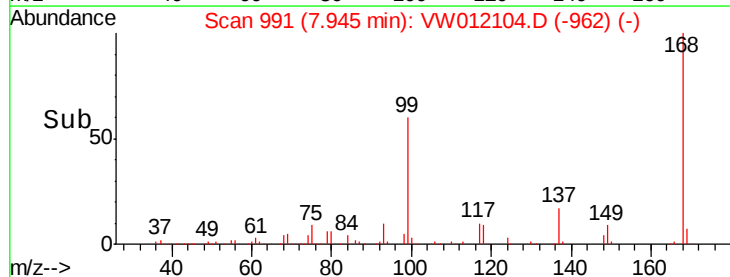
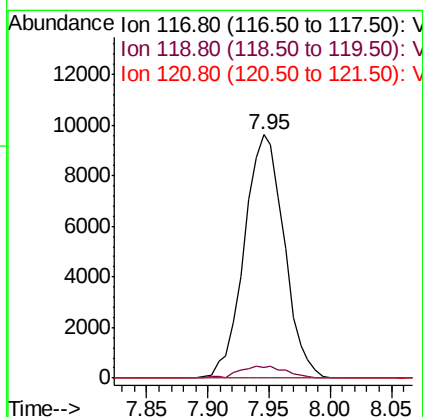
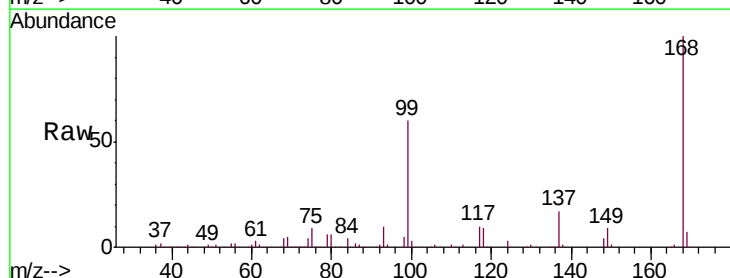
Instrument :
MSVOA_W
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SUNSET-PARK-SB-6-7.5-8.0

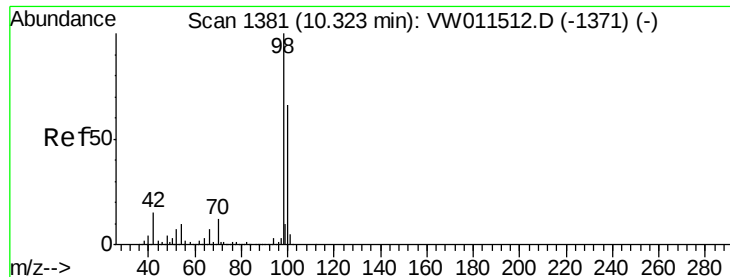
Tgt Ion: 43 Resp: 4285
Ion Ratio Lower Upper
43 100
61 0.0 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.703 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion: 117 Resp: 21813
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.7 37.1#

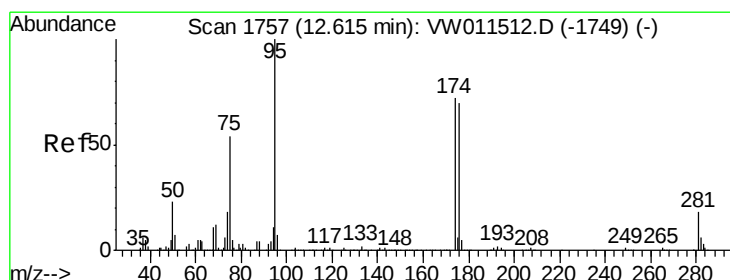
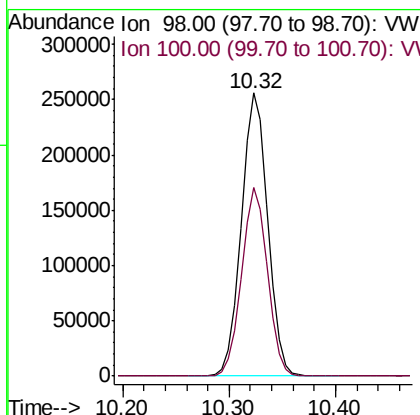
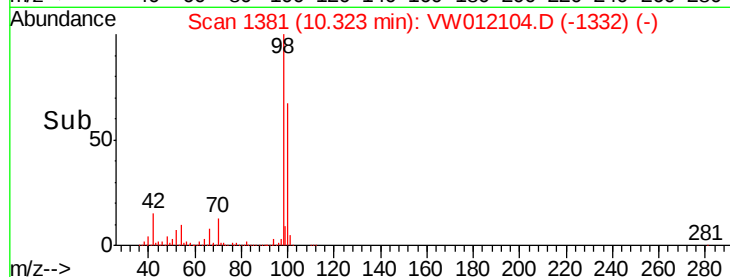
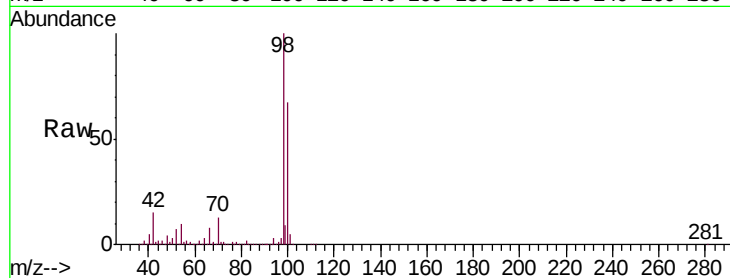




#50
Toluene-d8
Concen: 52.977 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

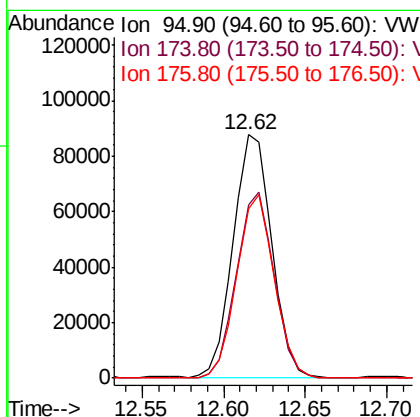
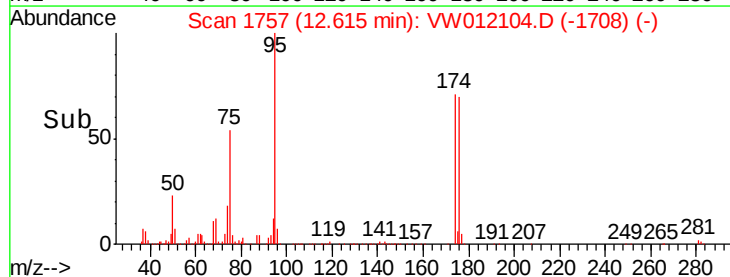
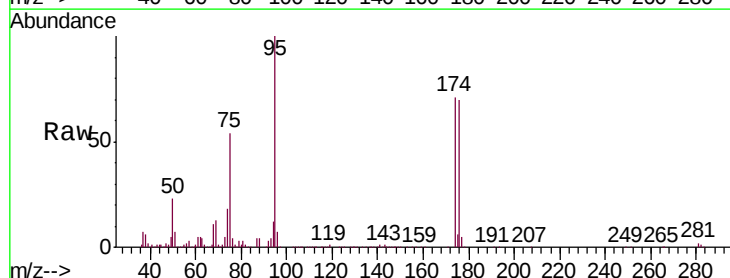
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

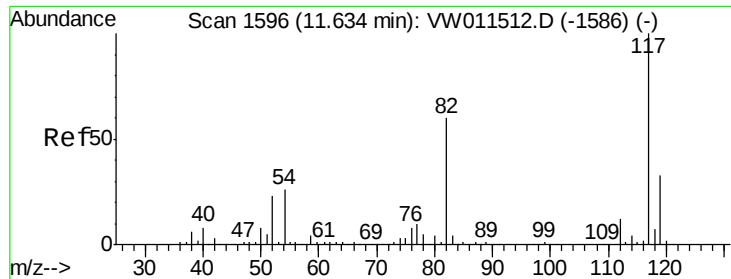
Tgt Ion: 98 Resp: 444853
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.987 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion: 95 Resp: 143659
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.2
176 73.8 0.0 144.4

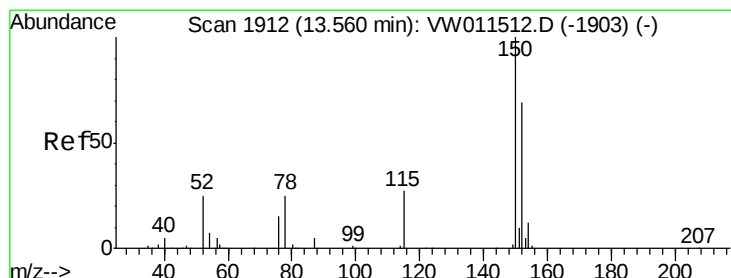
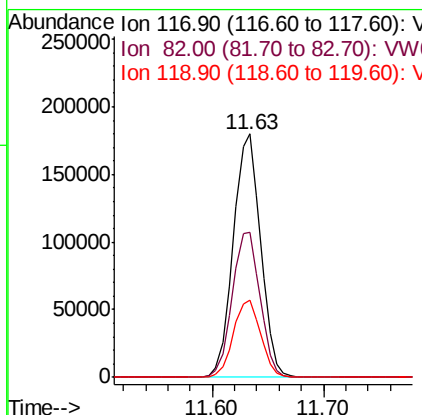
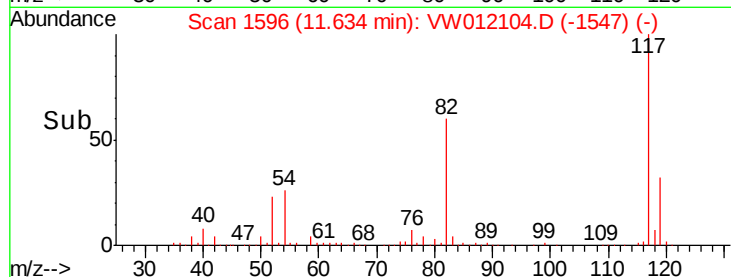
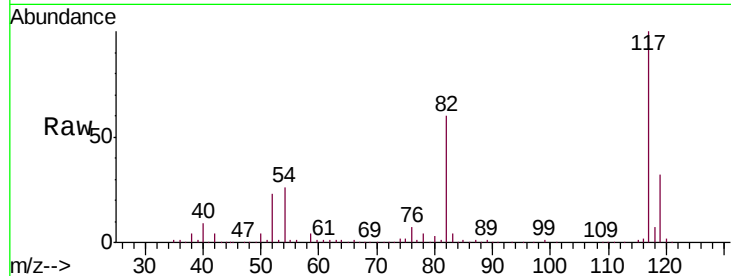




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

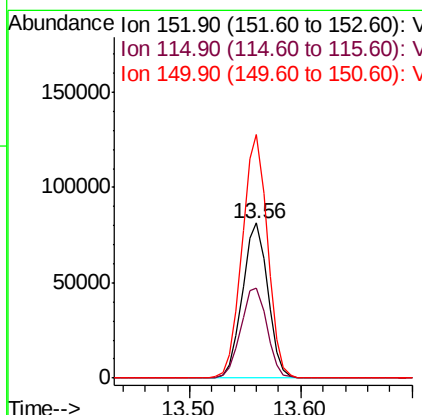
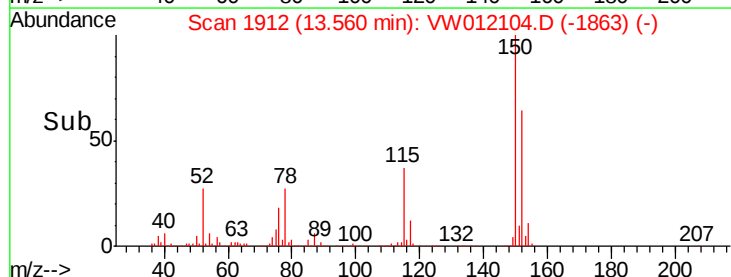
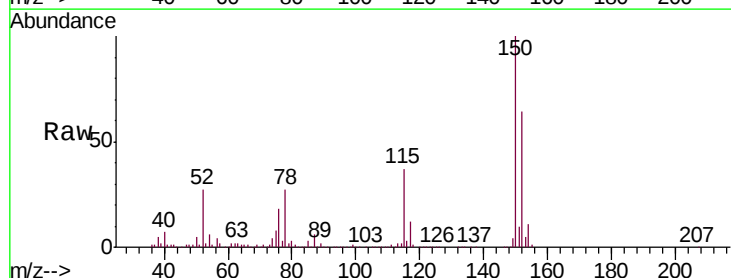
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-6-7.5-8.0

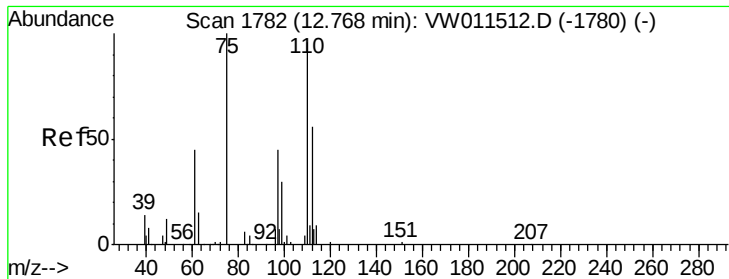
Tgt Ion:117 Resp: 305162
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012104.D
Acq: 22 Aug 2019 12:25

Tgt Ion:152 Resp: 128511
Ion Ratio Lower Upper
152 100
115 59.7 30.5 91.5
150 156.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 57.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012104.D

Acq: 22 Aug 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

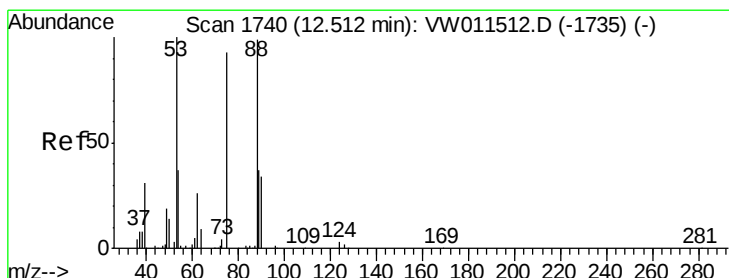
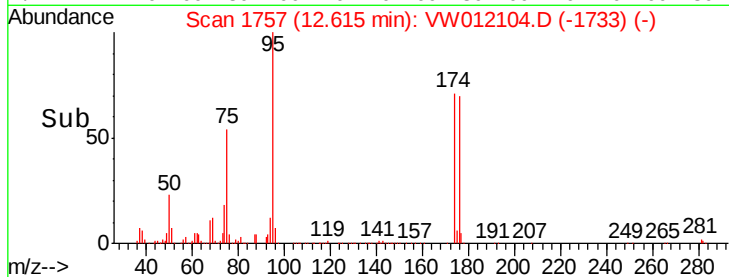
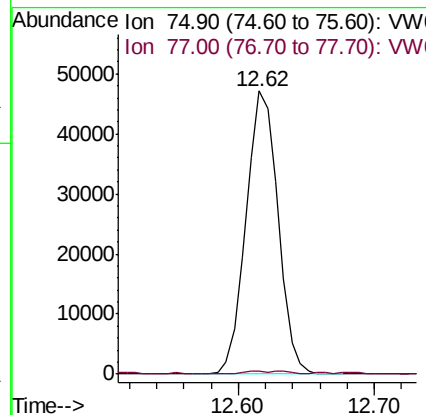
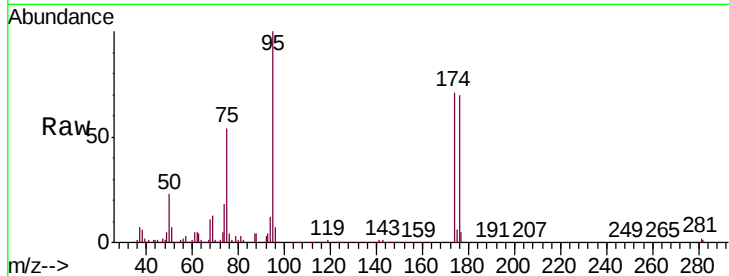
SUNSET-PARK-SB-6-7.5-8.0

Tgt Ion: 75 Resp: 77576

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.480 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012104.D

Acq: 22 Aug 2019 12:25

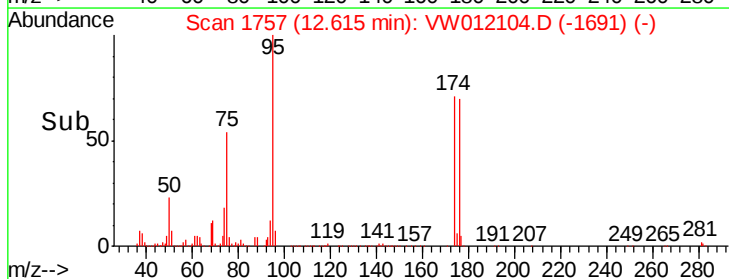
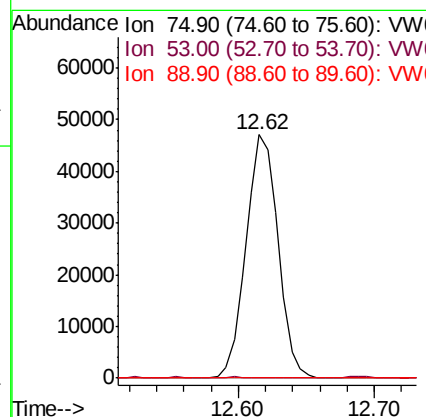
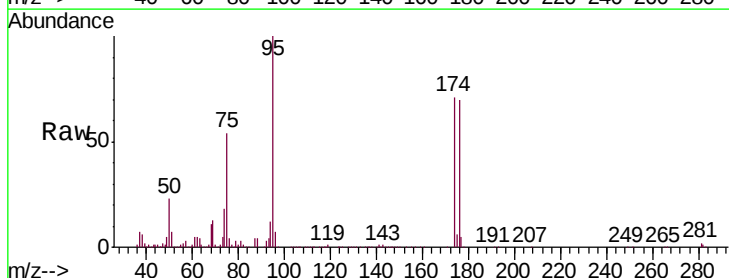
Tgt Ion: 75 Resp: 77576

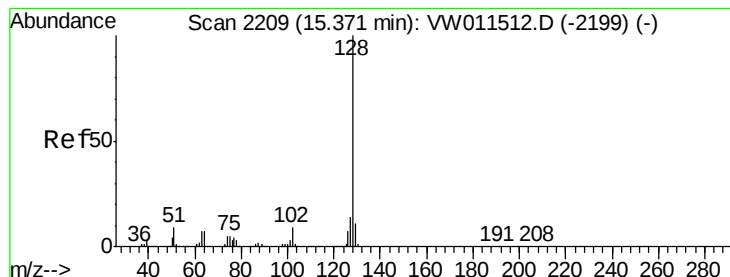
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 3.294 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012104.D

Acq: 22 Aug 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-6-7.5-8.0

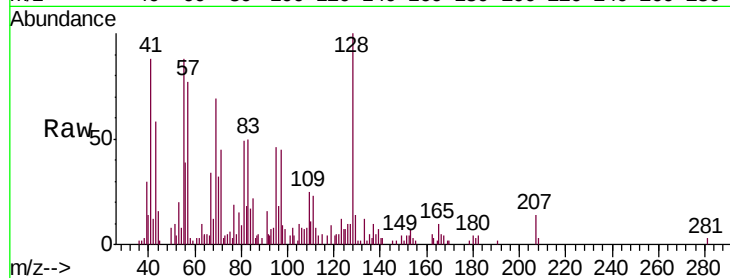
Tgt Ion:128 Resp: 6500

Ion Ratio Lower Upper

128 100

127 3.1 10.6 16.0#

129 7.3 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

