

Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

Quant Time: Aug 23 07:59:10 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	228224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141861	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.88	113	114702	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.32	98	467953	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	159156	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

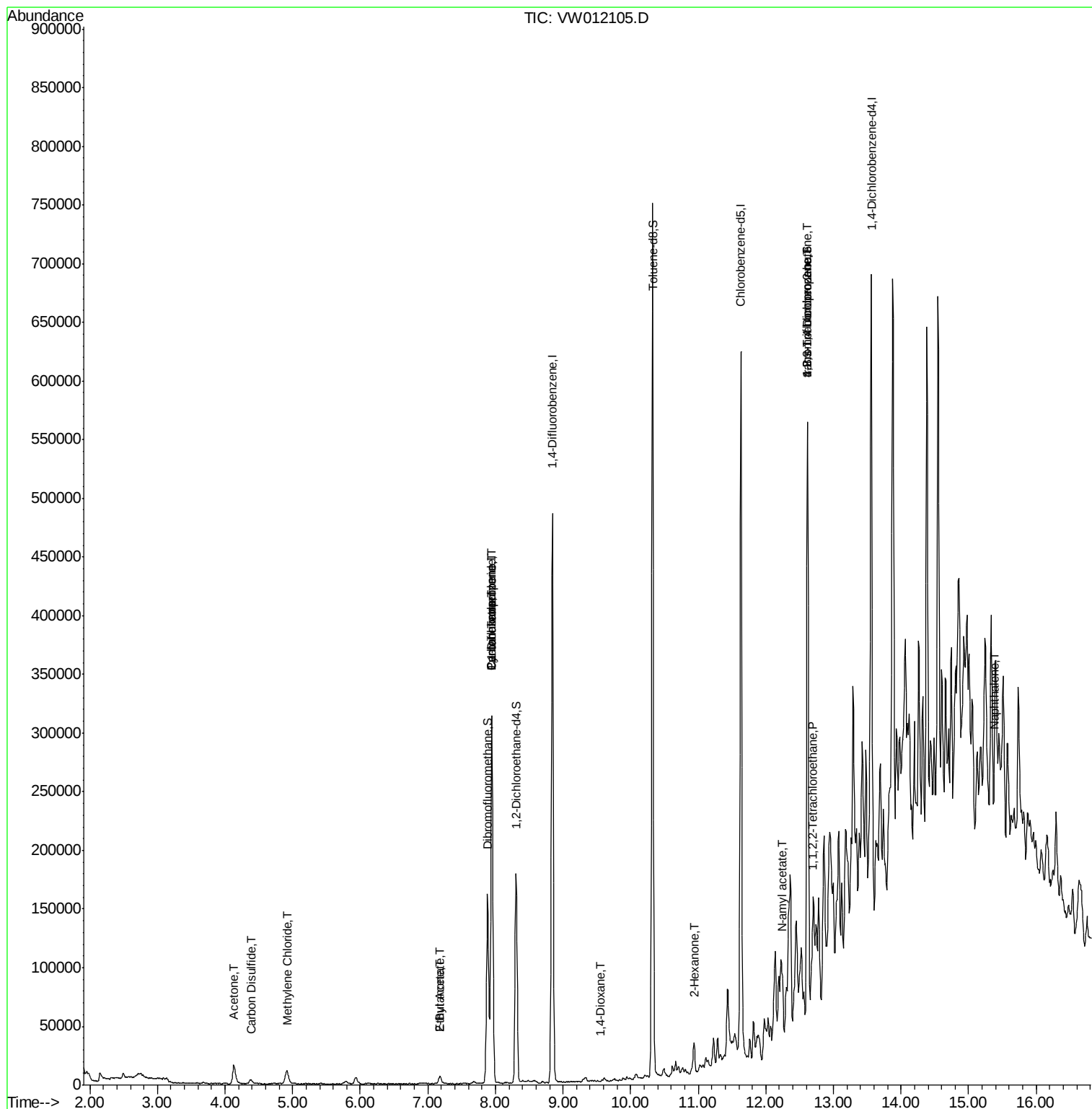
						Qvalue
11) Tert butyl alcohol	5.17	59	72	Below Cal	#	72
16) Acetone	4.13	43	32498	38.984	ug/l	95
17) Carbon Disulfide	4.39	76	7691	1.034	ug/l	98
20) Methylene Chloride	4.92	84	8540	2.970	ug/l	96
25) 2-Butanone	7.18	43	11178	10.247	ug/l	100
31) Cyclohexane	7.94	56	6071	1.239	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	19880	5.057	ug/l #	52
37) Ethyl Acetate	7.18	43	11178	4.942	ug/l #	73
38) Carbon Tetrachloride	7.95	117	23397	6.952	ug/l #	16
49) 1,4-Dioxane	9.54	88	45	2.311	ug/l #	15
59) 2-Hexanone	10.93	43	11585	7.583	ug/l #	35
74) N-amyl acetate	12.25	43	10936	3.511	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.69	83	5705	3.049	ug/l #	89
76) 1,2,3-Trichloropropane	12.62	75	82667	58.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82667	135.017	ug/l #	8
95) Naphthalene	15.37	128	862	2.223	ug/l #	69

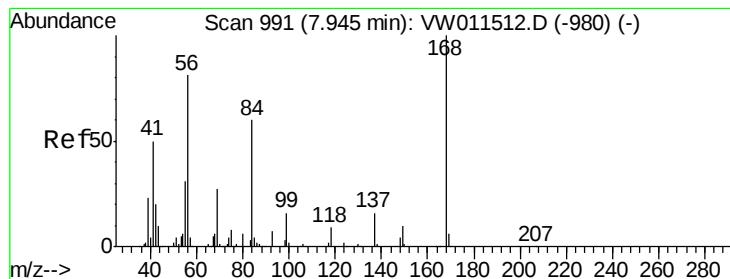
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

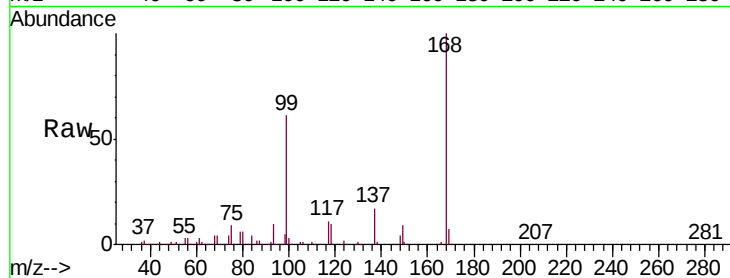
SUNSET-PARK-SB-5-9.2-9.7

Tgt Ion:168 Resp: 228224

Ion Ratio Lower Upper

168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

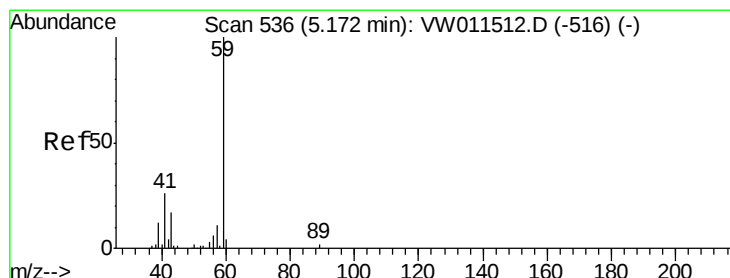
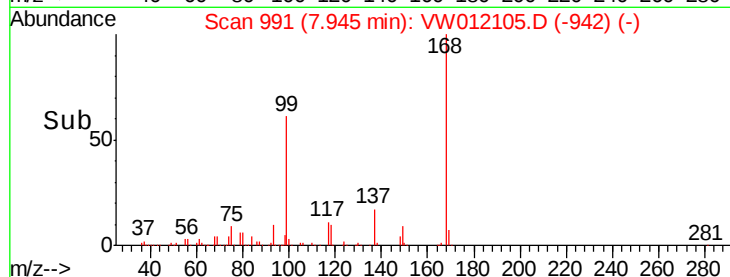
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012105.D

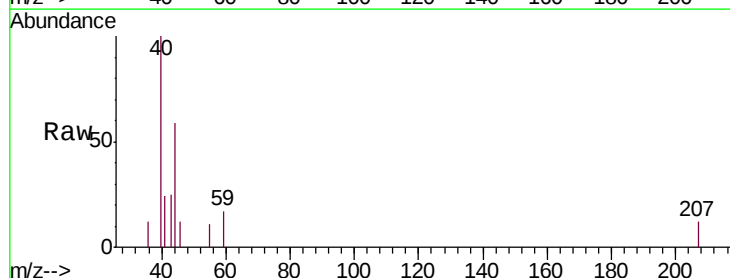
Acq: 22 Aug 2019 12:51

Tgt Ion: 59 Resp: 72

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

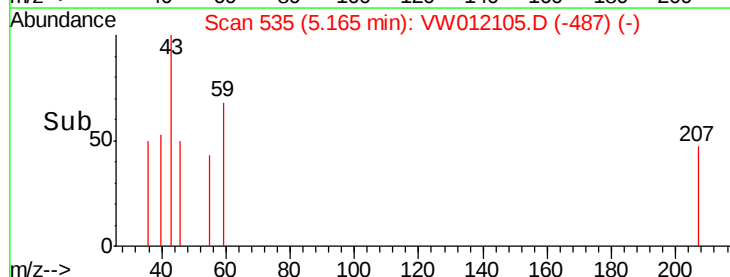
150

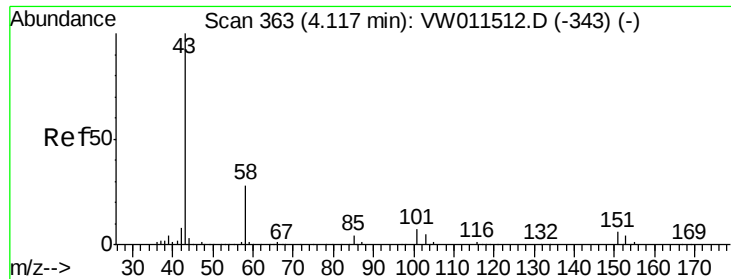
100

50

0

Time-->





#16

Acetone

Concen: 38.984 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

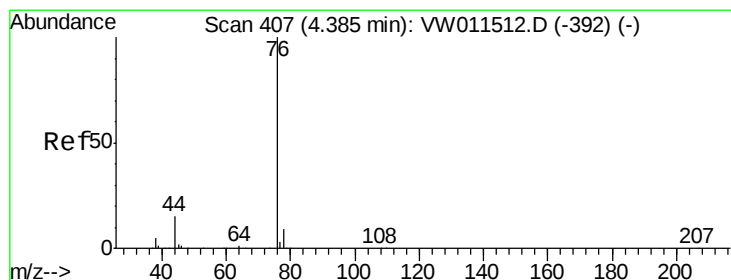
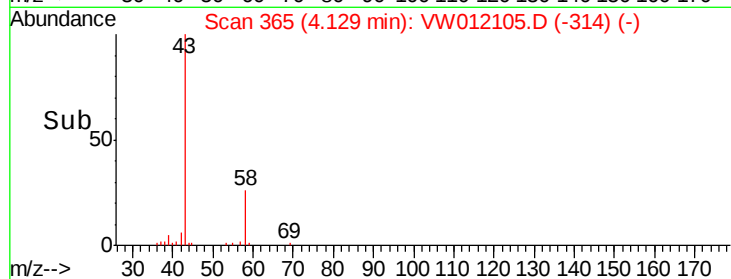
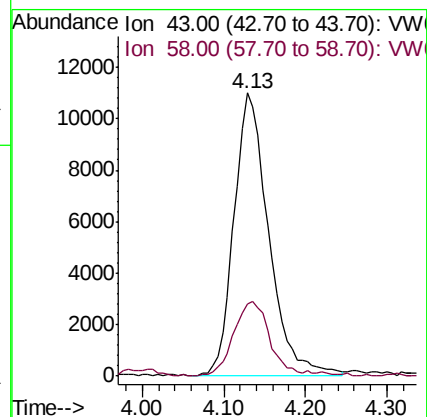
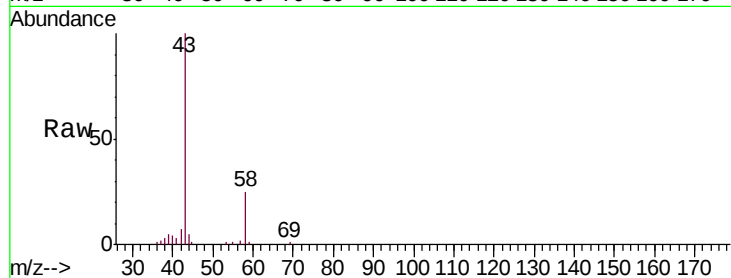
SUNSET-PARK-SB-5-9.2-9.7

Tgt Ion: 43 Resp: 32498

Ion Ratio Lower Upper

43 100

58 25.4 22.3 33.5



#17

Carbon Disulfide

Concen: 1.034 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012105.D

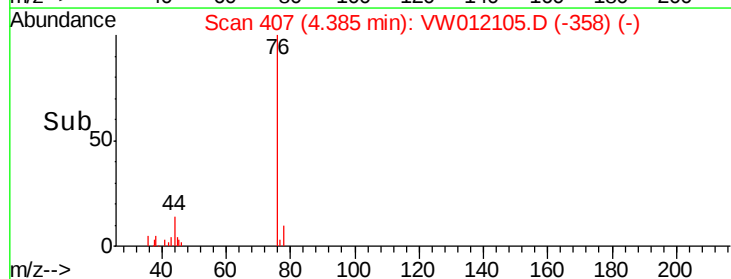
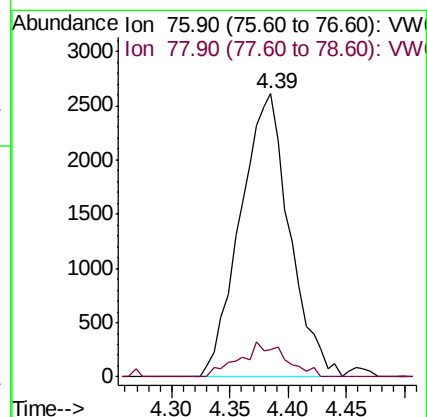
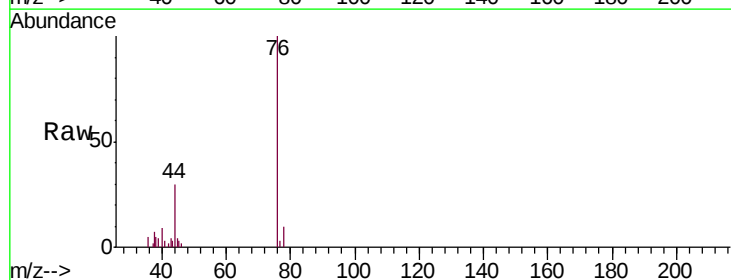
Acq: 22 Aug 2019 12:51

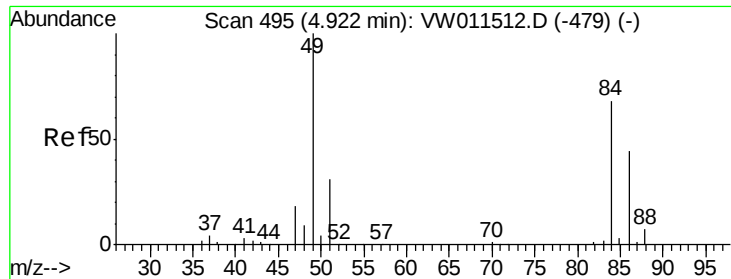
Tgt Ion: 76 Resp: 7691

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

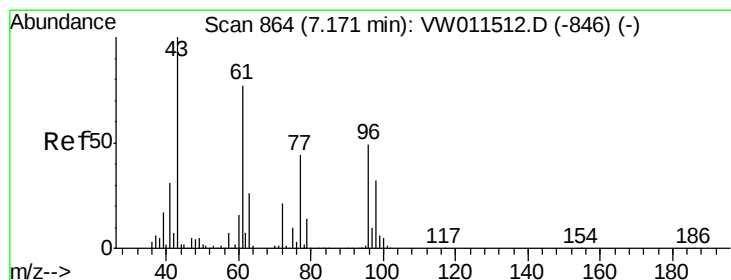
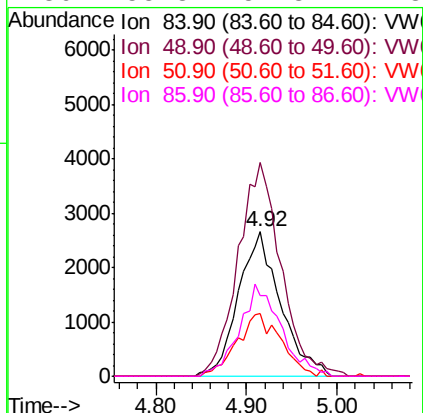
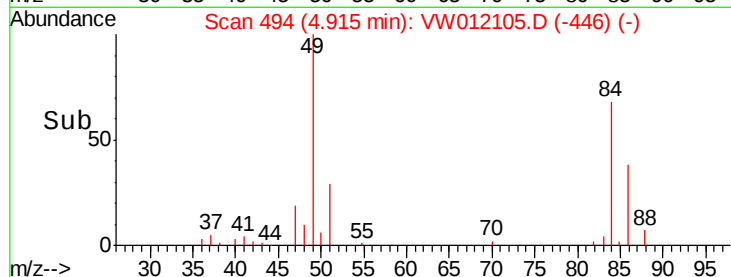
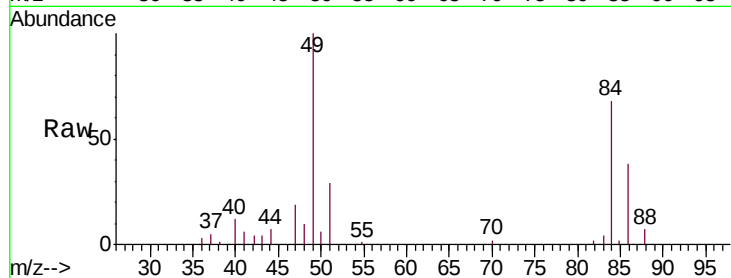




#20
Methylene Chloride
Concen: 2.970 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012105.D
Acq: 22 Aug 2019 12:51

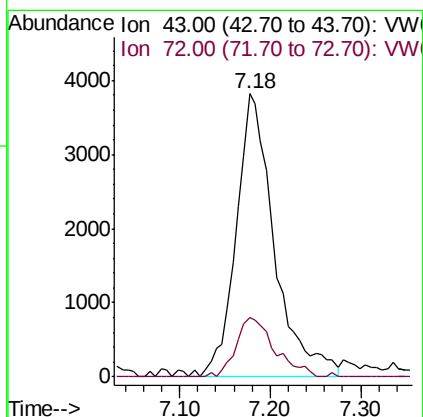
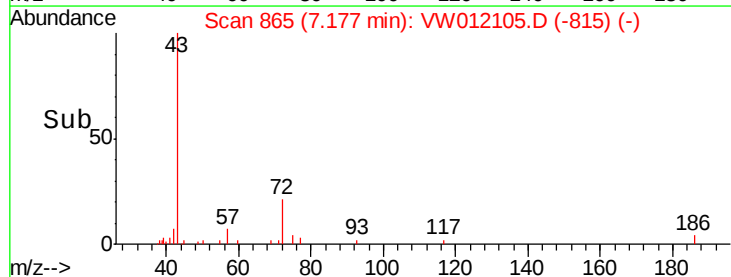
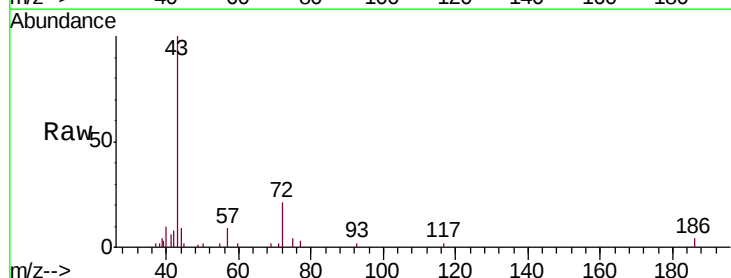
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

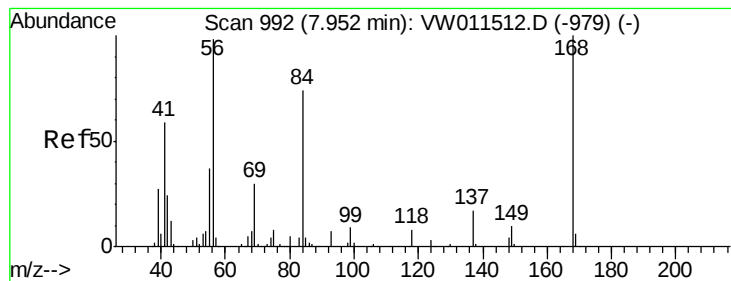
Tgt Ion: 84 Resp: 8540
Ion Ratio Lower Upper
84 100
49 148.0 117.8 176.6
51 43.2 37.0 55.4
86 55.8 51.8 77.8



#25
2-Butanone
Concen: 10.247 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012105.D
Acq: 22 Aug 2019 12:51

Tgt Ion: 43 Resp: 11178
Ion Ratio Lower Upper
43 100
72 20.9 16.6 24.8





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-5-9.2-9.7

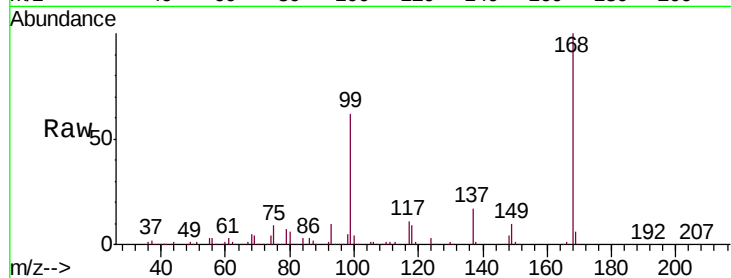
Tgt Ion: 56 Resp: 6071

Ion Ratio Lower Upper

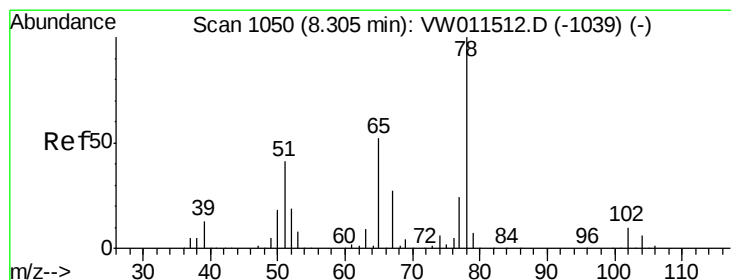
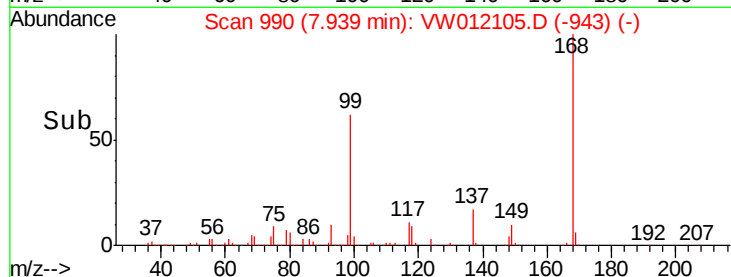
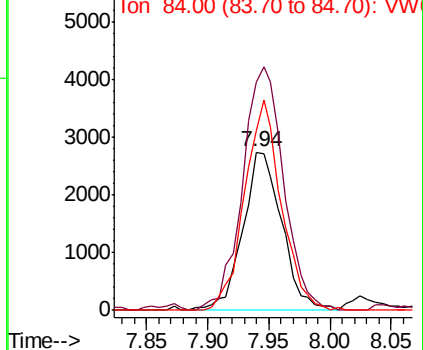
56 100

69 144.3 24.3 36.5#

84 113.8 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: 54.132 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012105.D

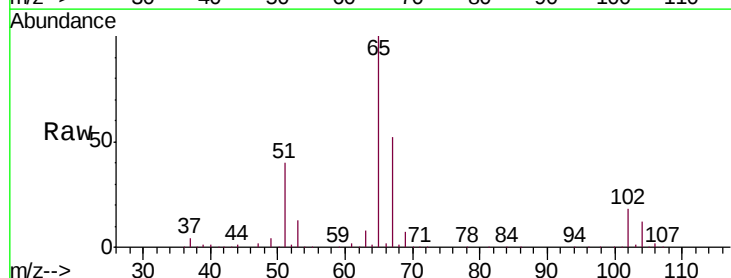
Acq: 22 Aug 2019 12:51

Tgt Ion: 65 Resp: 141861

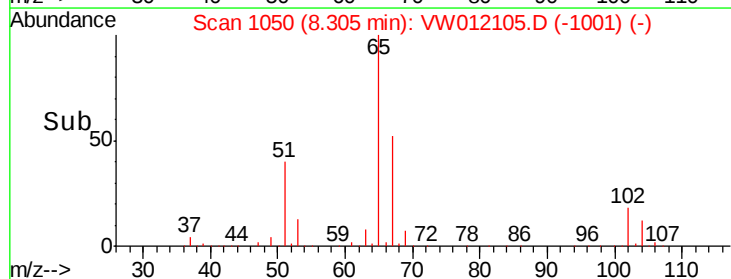
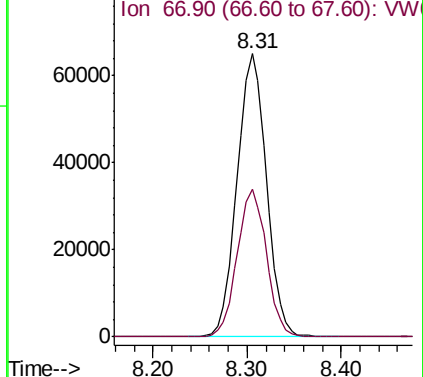
Ion Ratio Lower Upper

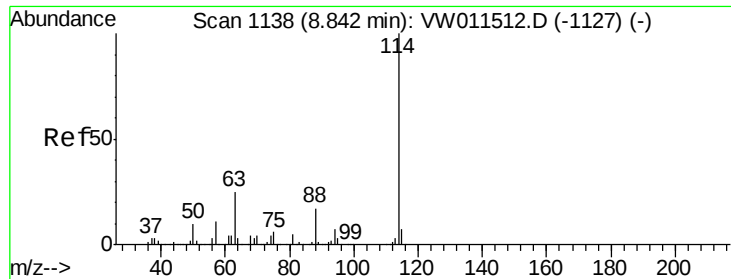
65 100

67 51.9 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: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-5-9.2-9.7

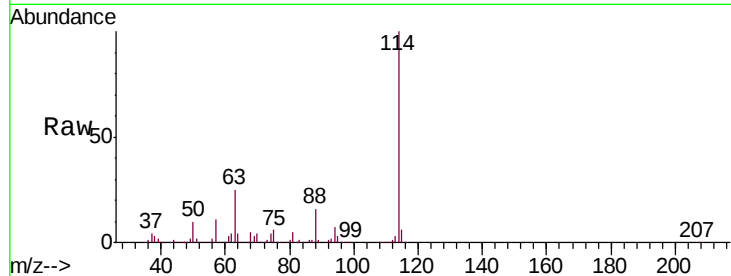
Tgt Ion:114 Resp: 378099

Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.2

88 16.4 0.0 33.8



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

250000

200000

150000

100000

50000

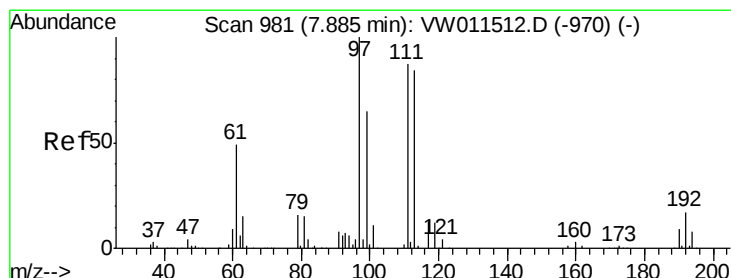
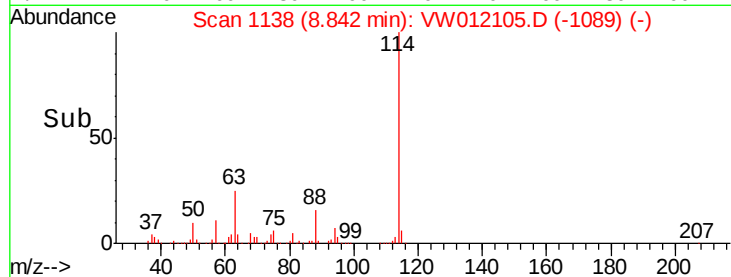
0

8.84

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.074 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

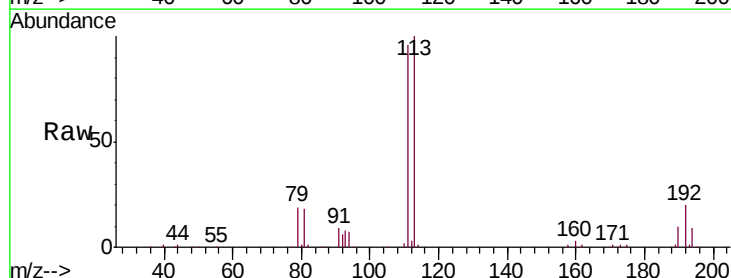
Tgt Ion:113 Resp: 114702

Ion Ratio Lower Upper

113 100

111 101.0 82.7 124.1

192 20.1 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

60000

40000

20000

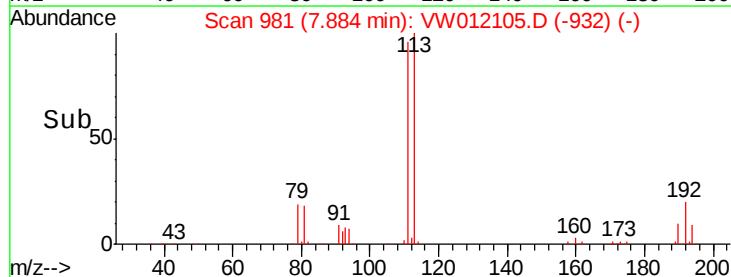
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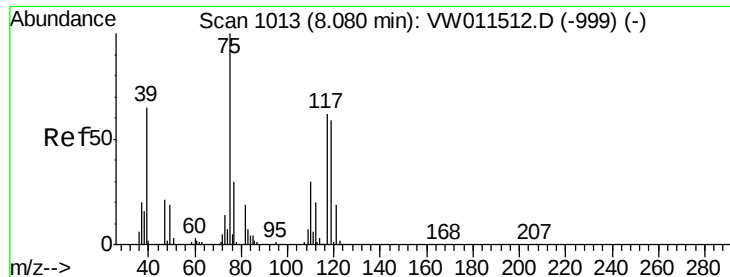
7.88

7.80

8.00

Time-->

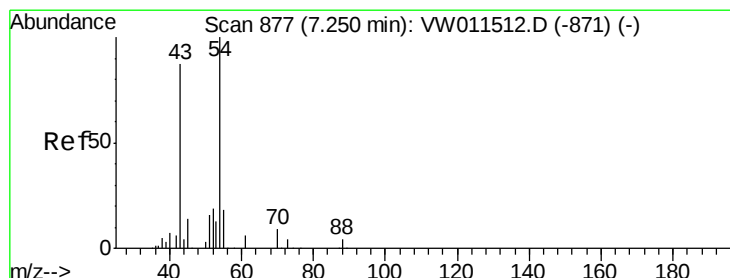
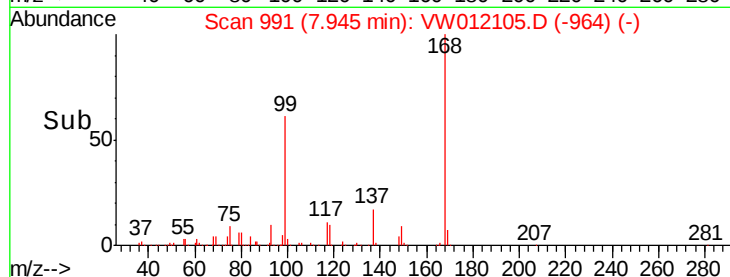
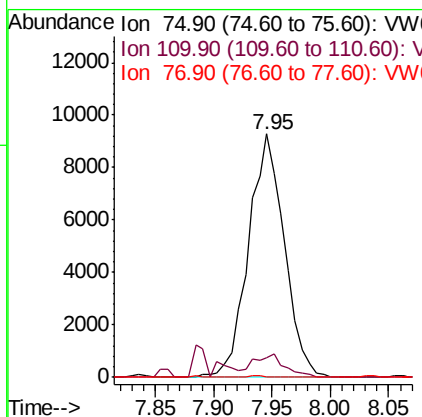
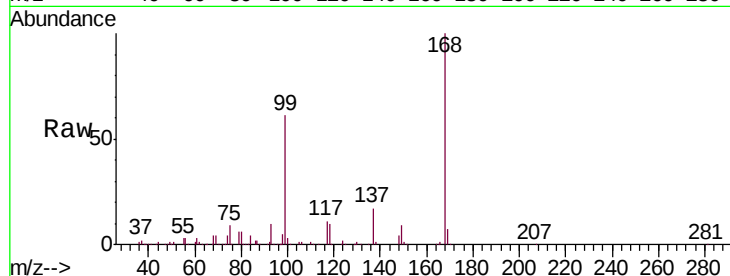




#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012105.D
 Acq: 22 Aug 2019 12:51

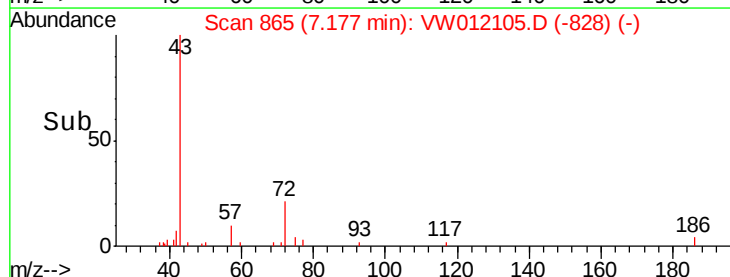
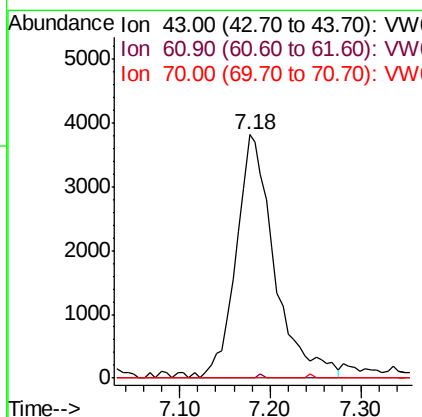
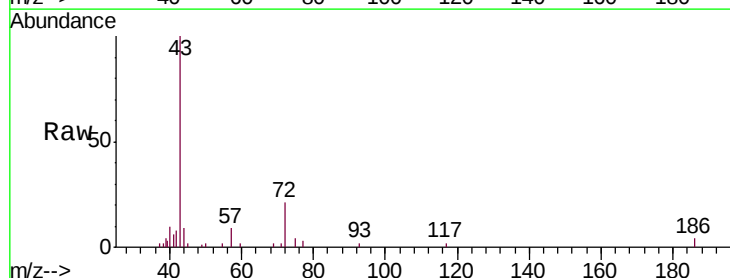
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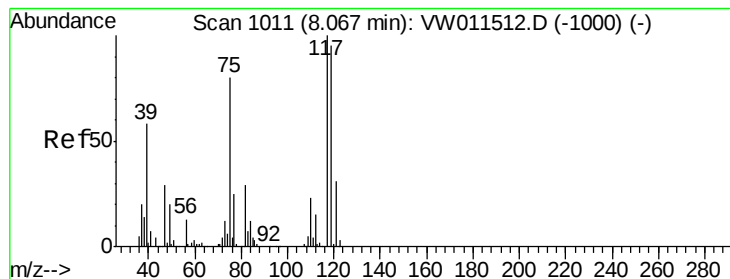
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.2	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 4.942 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW012105.D
 Acq: 22 Aug 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	8.8	13.2#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-5-9.2-9.7

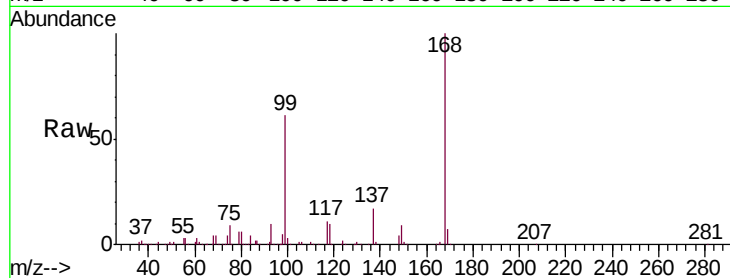
Tgt Ion:117 Resp: 23397

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

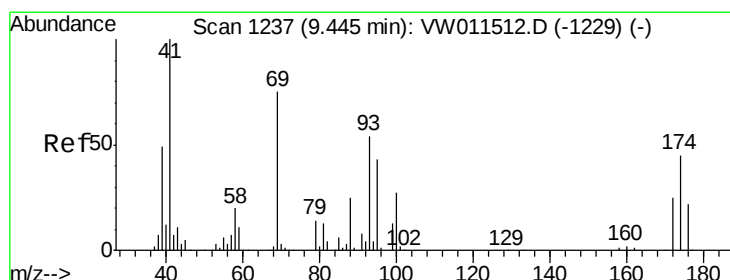
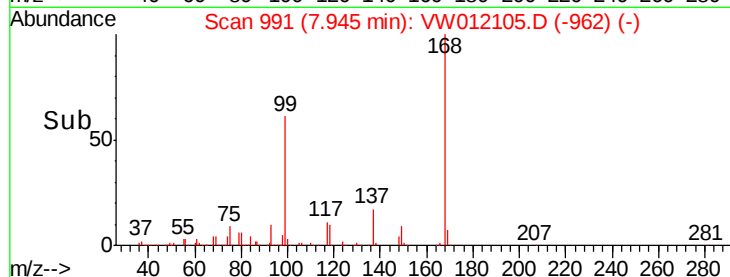
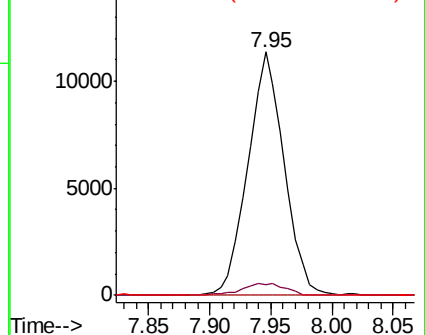
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.311 ug/l

RT: 9.54 min Scan# 1253

Delta R.T. 0.10 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

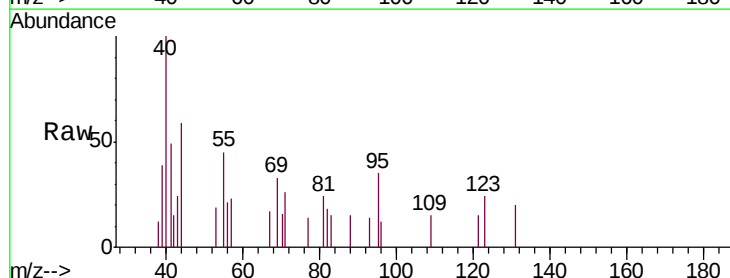
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

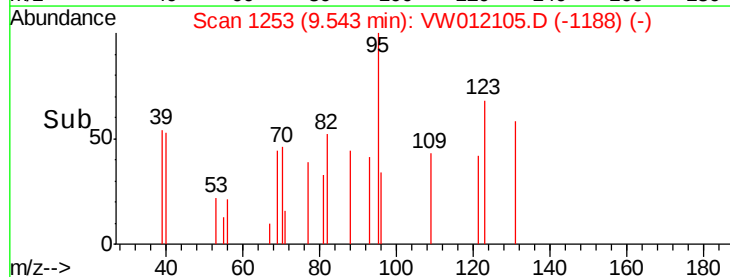
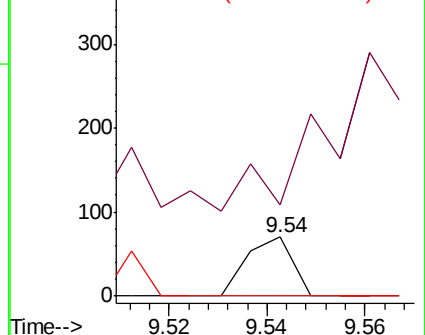
58 0.0 69.7 104.5#

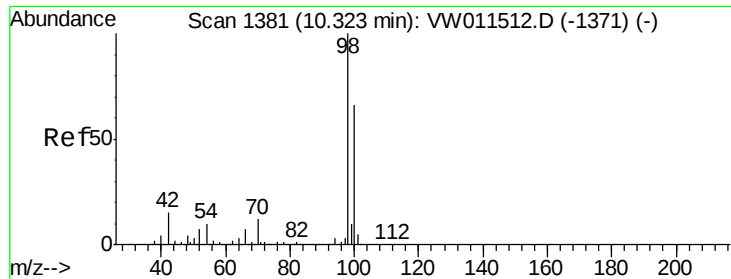


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.882 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

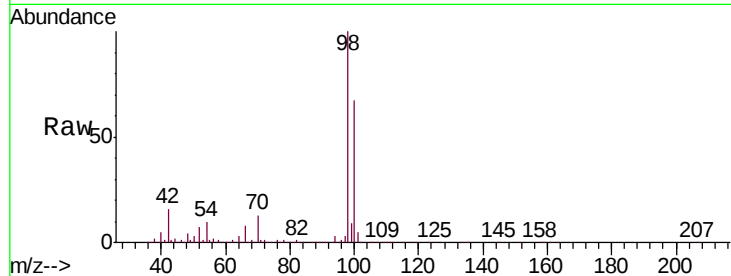
SUNSET-PARK-SB-5-9.2-9.7

Tgt Ion: 98 Resp: 467953

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

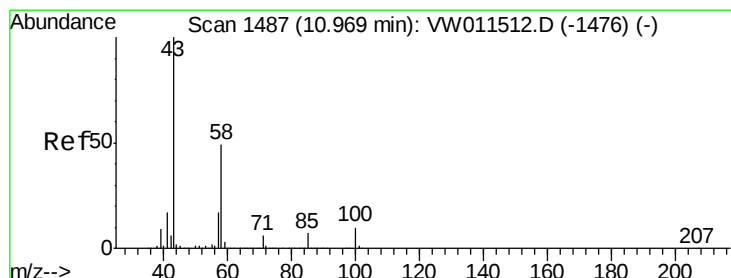
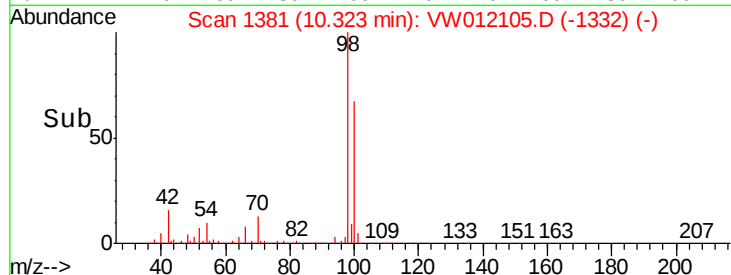
100000

50000

0

Time-->

10.20 10.30 10.40



#59

2-Hexanone

Concen: 7.583 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW012105.D

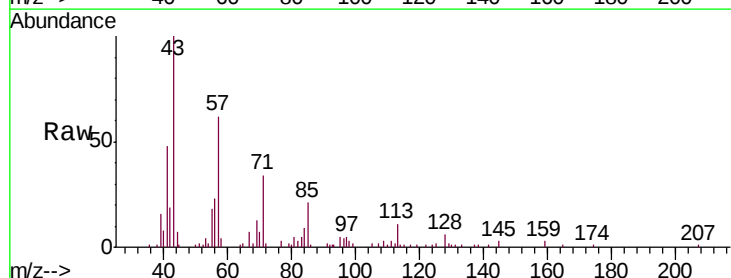
Acq: 22 Aug 2019 12:51

Tgt Ion: 43 Resp: 11585

Ion Ratio Lower Upper

43 100

58 4.5 24.3 72.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

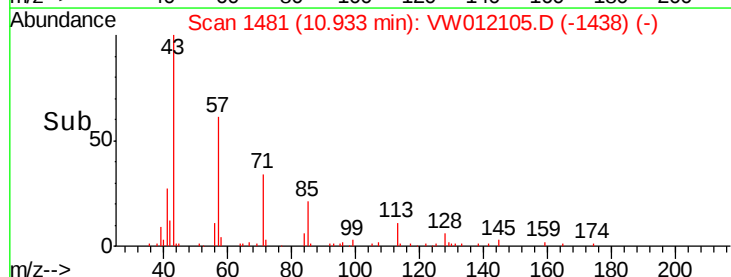
4000

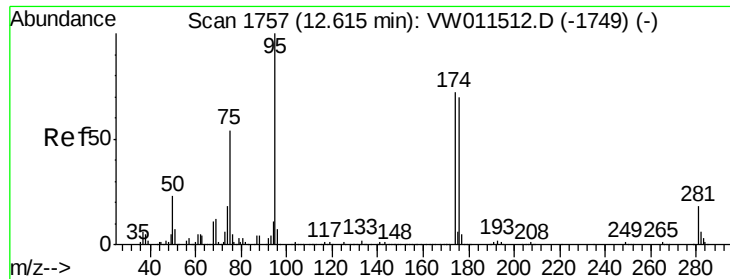
2000

0

Time-->

10.90 11.00

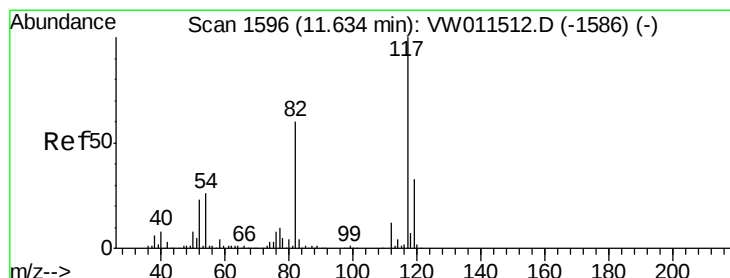
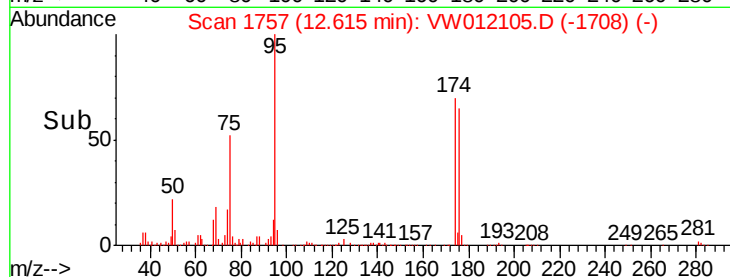
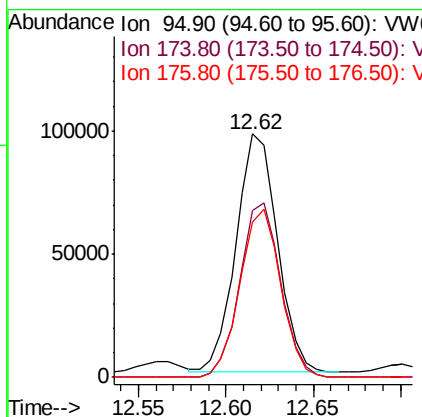
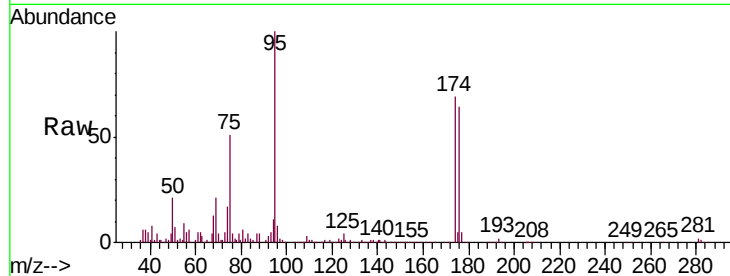




#62
4-Bromofluorobenzene
Concen: 51.402 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012105.D
Acq: 22 Aug 2019 12:51

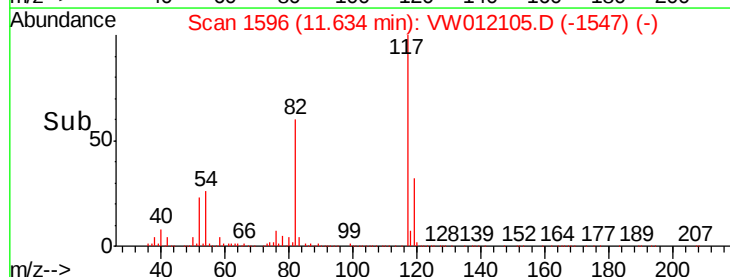
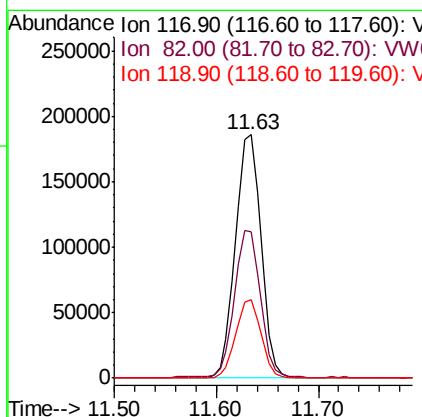
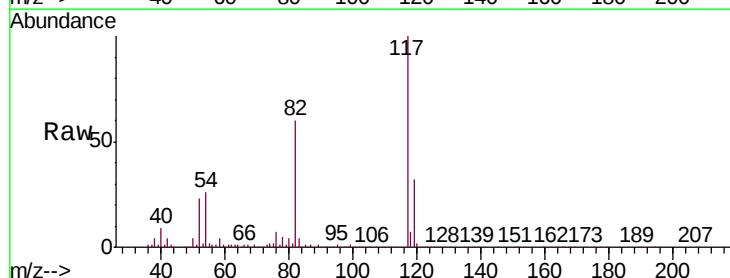
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

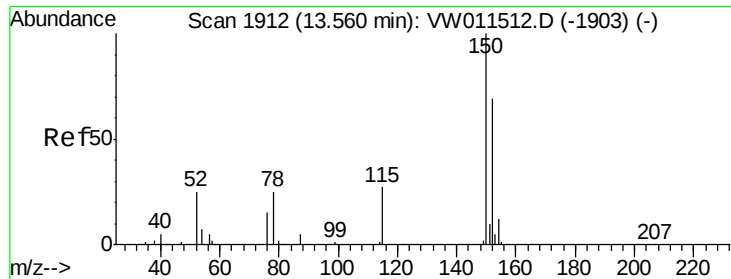
Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	150.2
176	69.9	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012105.D
Acq: 22 Aug 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.9	71.9
119	32.3	26.2	39.2

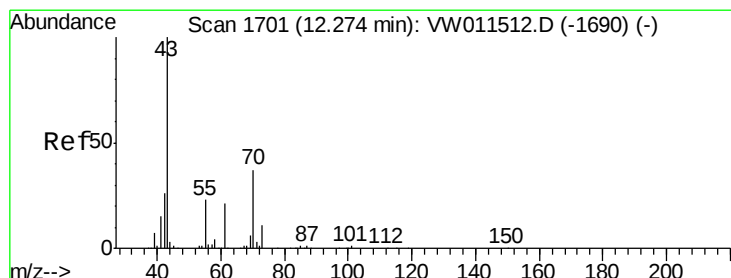
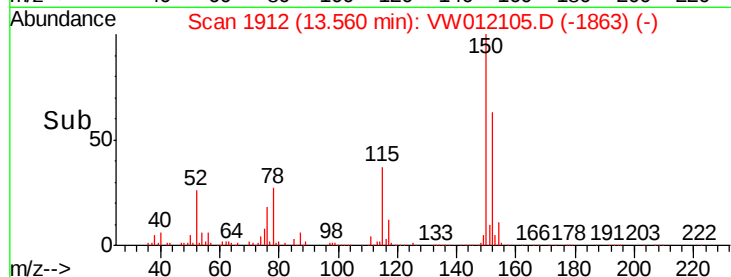
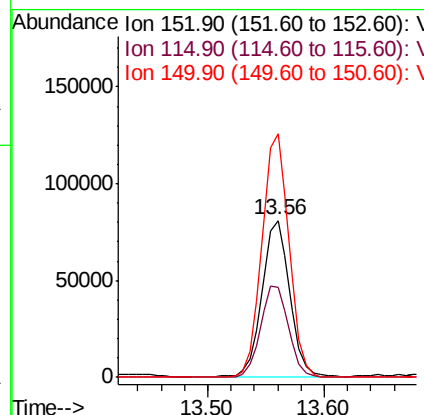
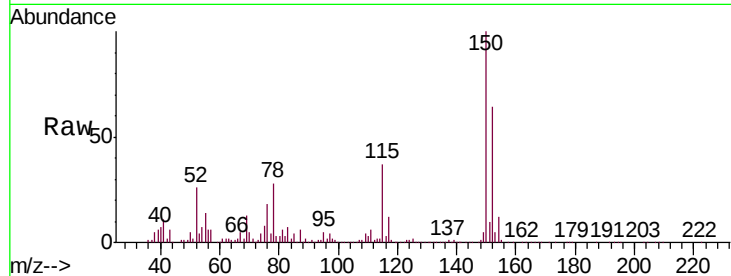




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012105.D
 Acq: 22 Aug 2019 12:51

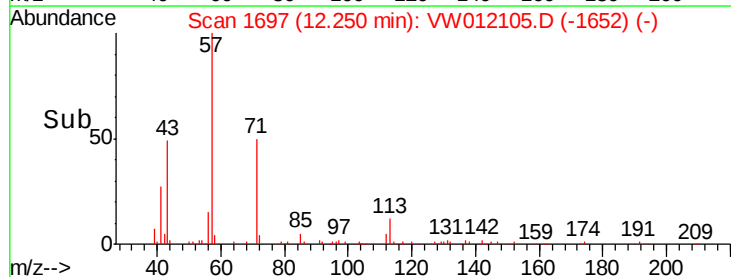
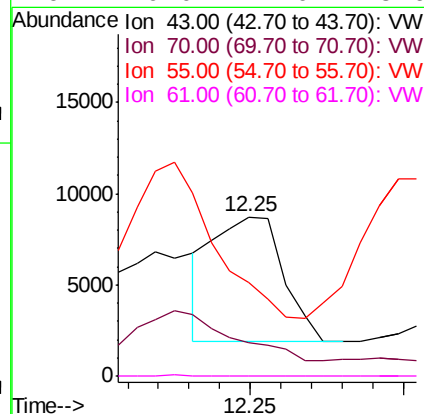
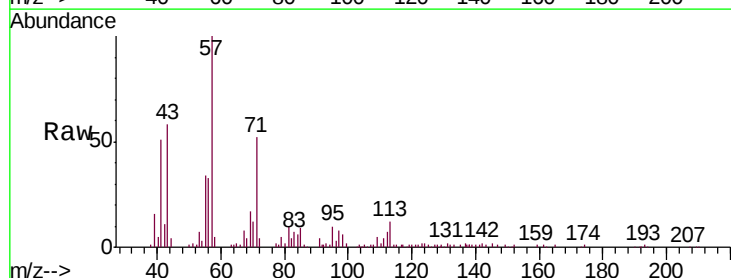
Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-5-9.2-9.7

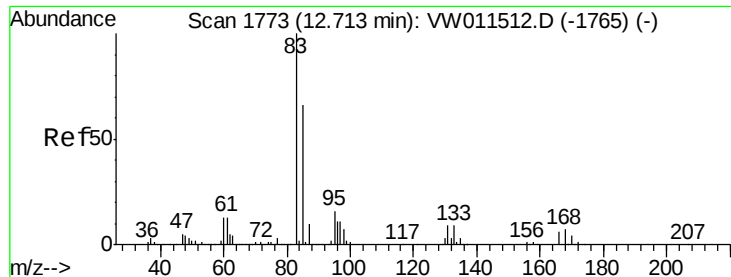
Tgt Ion:152 Resp: 133357
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.5 91.5
 150 152.9 0.0 352.6



#74
 N-ethyl acetate
 Concen: 3.511 ug/l
 RT: 12.25 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: VW012105.D
 Acq: 22 Aug 2019 12:51

Tgt Ion: 43 Resp: 10936
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.6 43.0#
 55 0.0 17.8 26.8#
 61 0.0 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.049 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-5-9.2-9.7

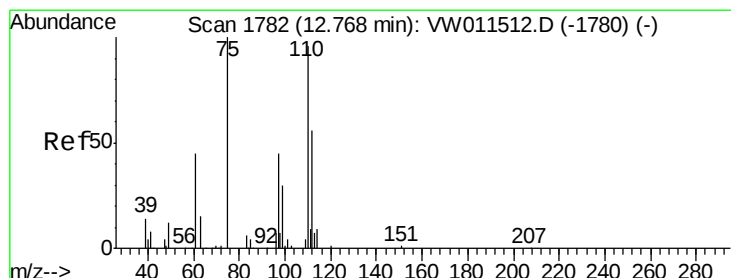
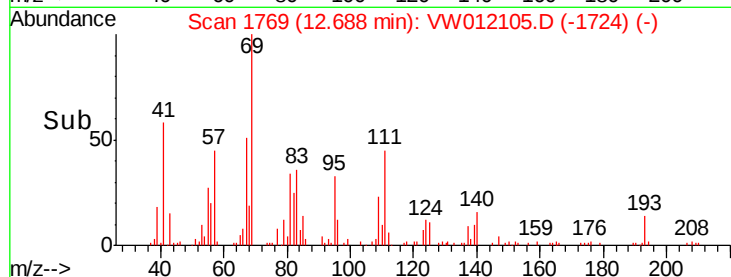
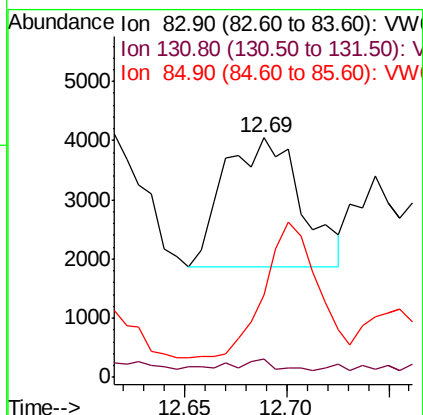
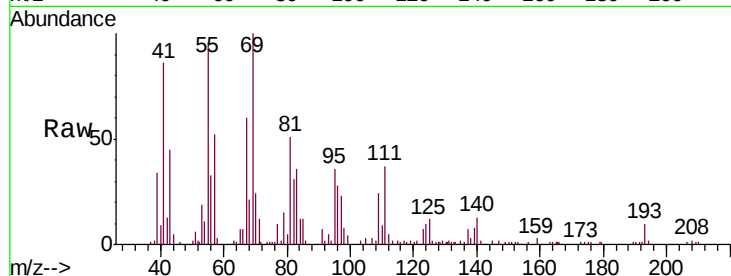
Tgt Ion: 83 Resp: 5705

Ion Ratio Lower Upper

83 100

131 4.4 4.9 14.6#

85 71.9 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 58.585 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012105.D

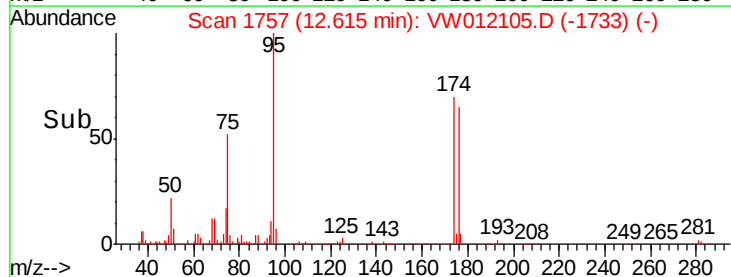
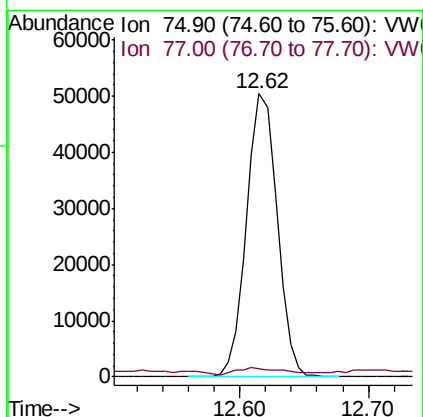
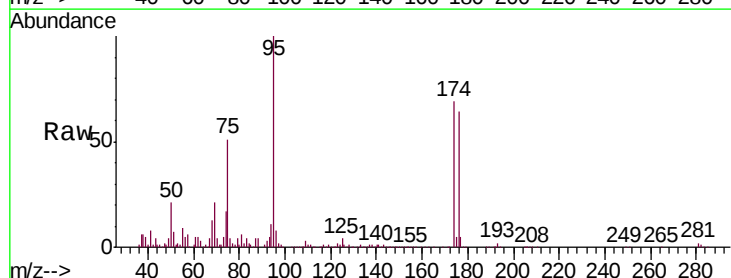
Acq: 22 Aug 2019 12:51

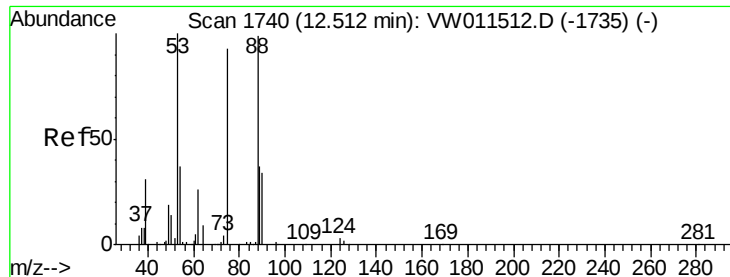
Tgt Ion: 75 Resp: 82667

Ion Ratio Lower Upper

75 100

77 3.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.017 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

SUNSET-PARK-SB-5-9.2-9.7

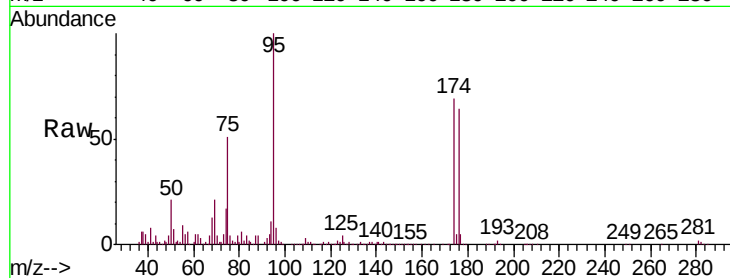
Tgt Ion: 75 Resp: 82667

Ion Ratio Lower Upper

75 100

53 2.7 88.0 132.0#

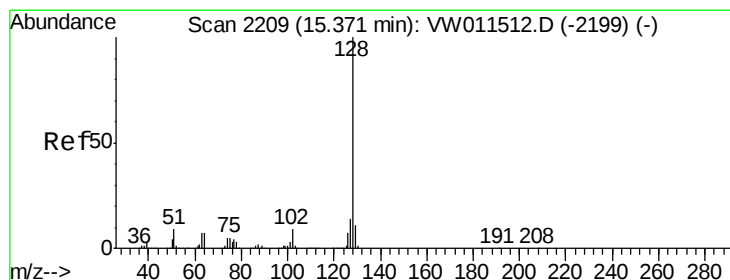
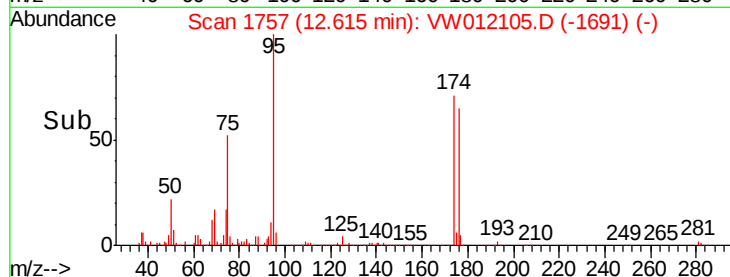
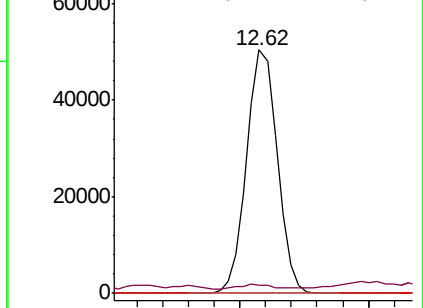
89 0.2 35.3 52.9#



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: 2.223 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012105.D

Acq: 22 Aug 2019 12:51

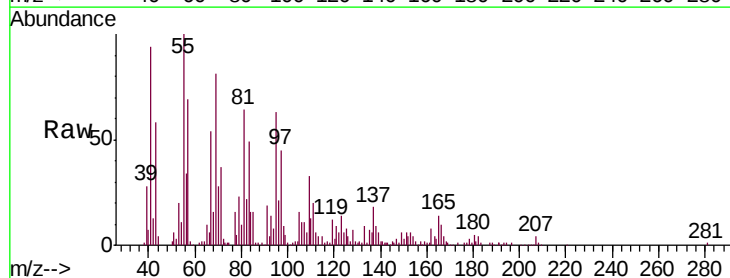
Tgt Ion: 128 Resp: 862

Ion Ratio Lower Upper

128 100

127 0.0 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

