

Data File : VW013947.D
Acq On : 08 Nov 2019 16:20
Operator : SY/VA
Sample : K5742-08
Misc : 8.19G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-26-(6-8)

Quant Time: Nov 09 03:20:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	303520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172194	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125491	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	126629	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.32	98	527317	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	167459	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

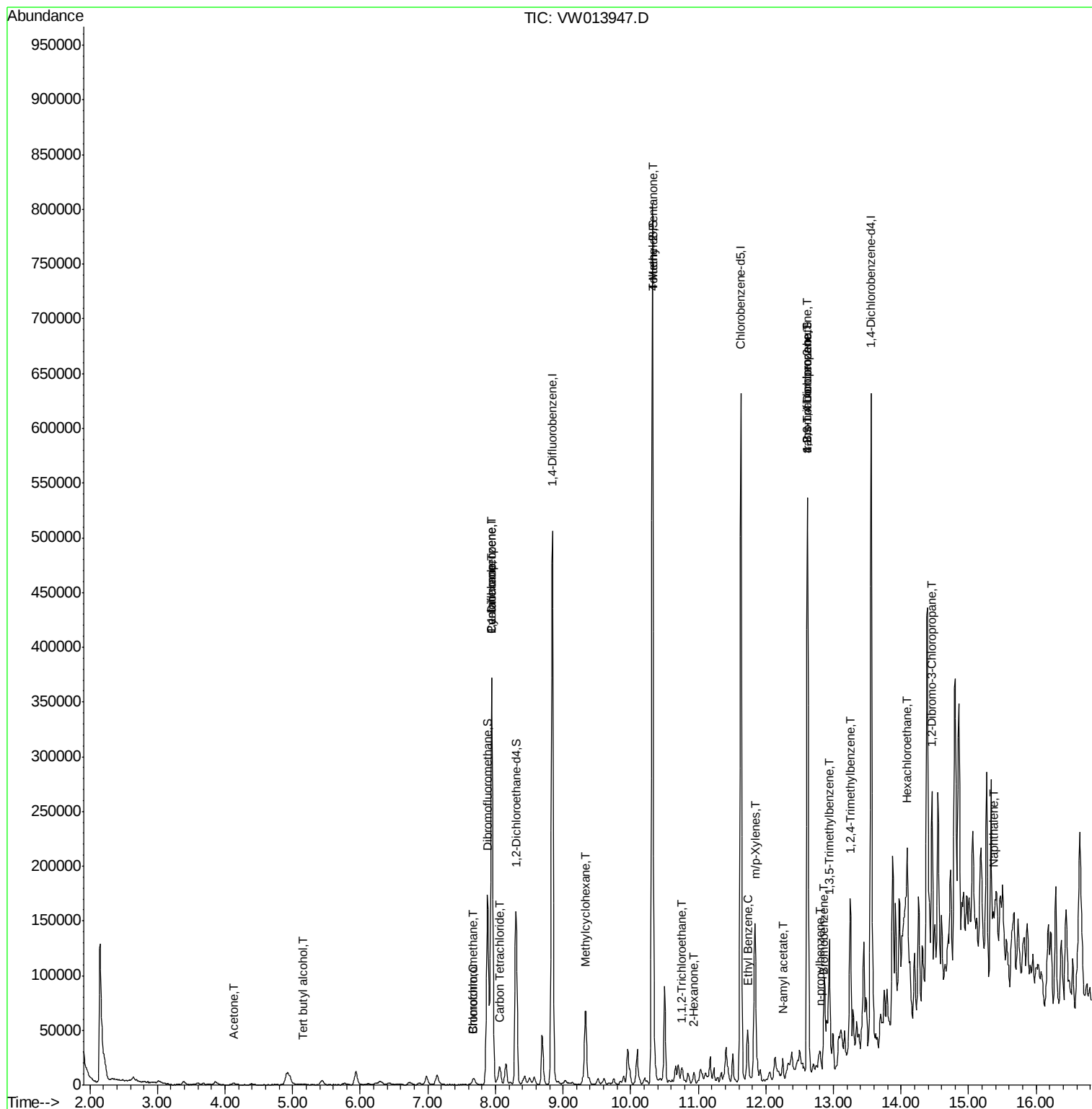
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	579	4.260 ug/l #	71	
16) Acetone	4.12	43	3109	6.440 ug/l	99	
20) Methylene Chloride	4.90	84	8875	Below Cal #	88	
28) Bromochloromethane	7.68	49	214	1.461 ug/l #	7	
30) Chloroform	7.67	83	4913	1.028 ug/l	97	
31) Cyclohexane	7.95	56	12912	2.552 ug/l #	59	
36) 1,1-Dichloropropene	7.95	75	18439	4.306 ug/l #	49	
38) Carbon Tetrachloride	8.07	117	11916	3.090 ug/l	92	
39) Methylcyclohexane	9.33	83	27914	5.047 ug/l	94	
51) 4-Methyl-2-Pentanone	10.32	43	4285	2.748 ug/l #	22	
55) 1,1,2-Trichloroethane	10.76	97	5136	2.453 ug/l #	24	
59) 2-Hexanone	10.93	43	3948	3.673 ug/l #	25	
67) Ethyl Benzene	11.73	91	31699	2.233 ug/l	99	
68) m/p-Xylenes	11.84	106	32112	5.855 ug/l	100	
74) N-amyl acetate	12.25	43	4248	1.776 ug/l #	48	
76) 1,2,3-Trichloropropane	12.62	75	78662	63.612 ug/l #	100	
77) Bromobenzene	12.85	156	2989	1.012 ug/l #	49	
78) n-propylbenzene	12.80	91	15097	1.055 ug/l	99	
80) 1,3,5-Trimethylbenzene	12.94	105	28995	2.778 ug/l	99	
81) trans-1,4-Dichloro-2-buten	12.62	75	78662	120.218 ug/l #	14	
84) 1,2,4-Trimethylbenzene	13.25	105	84512	8.207 ug/l	99	
90) Hexachloroethane	14.10	117	4286	2.089 ug/l #	4	
92) 1,2-Dibromo-3-Chloropropan	14.46	75	503	1.705 ug/l #	1	
95) Naphthalene	15.36	128	36221	6.397 ug/l #	92	

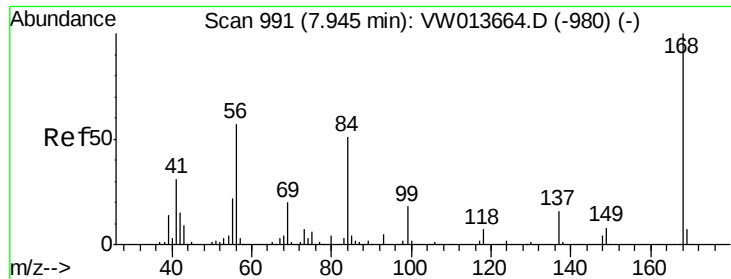
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013947.D
Acq On : 08 Nov 2019 16:20
Operator : SY/VA
Sample : K5742-08
Misc : 8.19G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-26-(6-8)

Quant Time: Nov 09 03:20:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 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: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

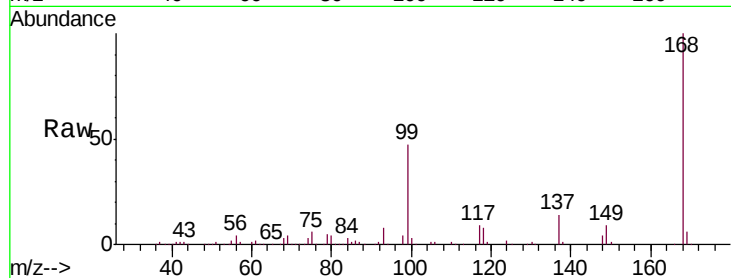
SB-26-(6-8)

Tgt Ion: 168 Resp: 303520

Ion Ratio Lower Upper

168 100

99 47.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

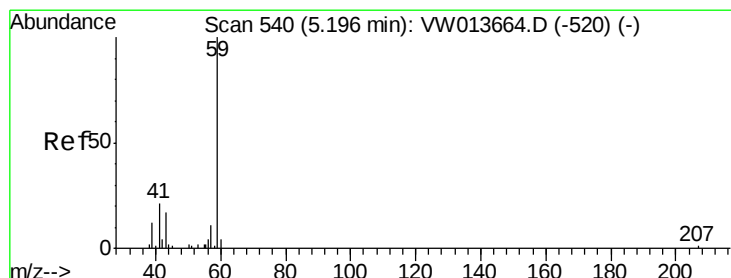
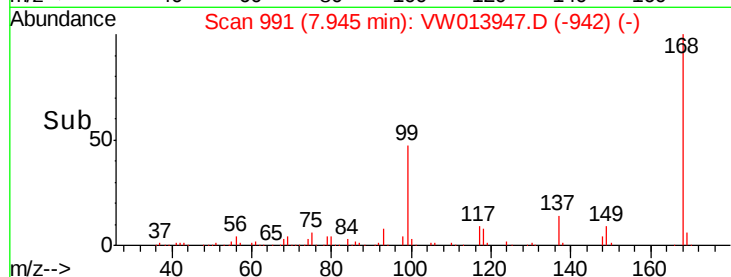
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.260 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.03 min

Lab File: VW013947.D

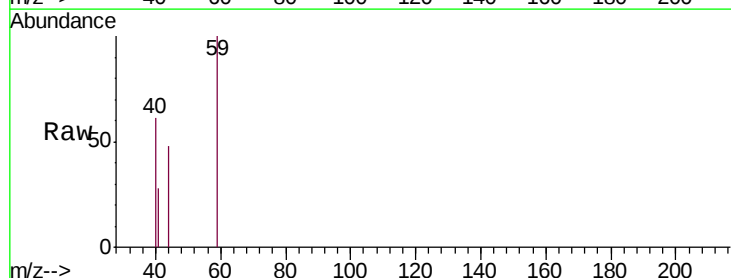
Acq: 08 Nov 2019 16:20

Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

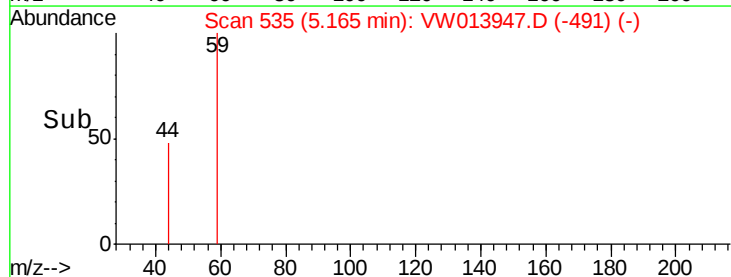
300

200

100

0

Time-->





#16

Acetone

Concen: 6.440 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

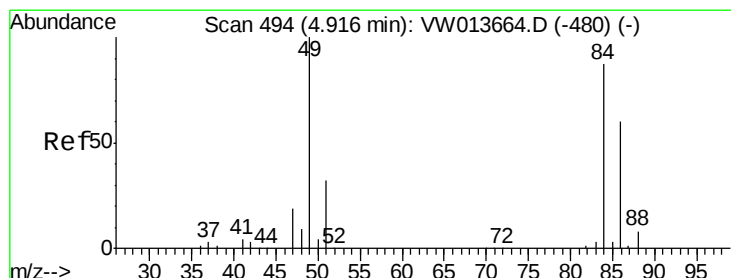
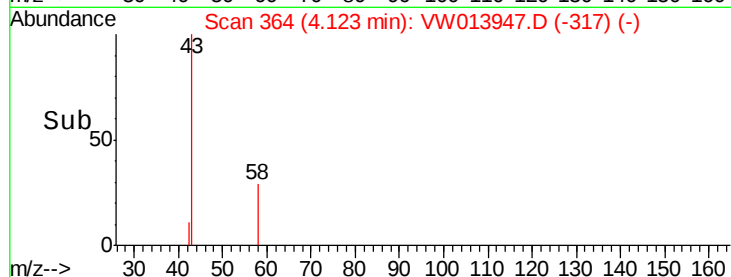
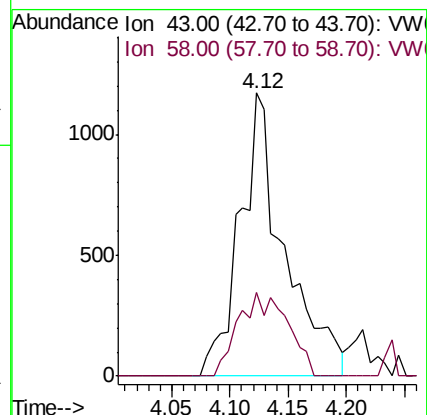
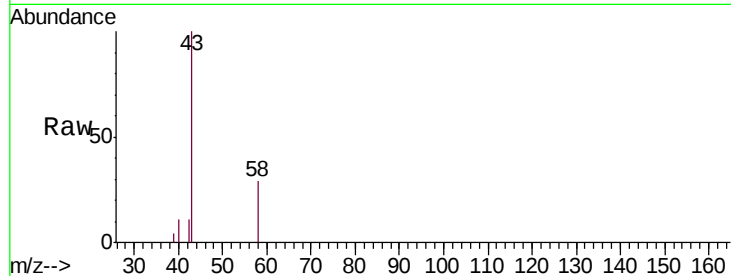
SB-26-(6-8)

Tgt Ion: 43 Resp: 3109

Ion Ratio Lower Upper

43 100

58 29.5 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Tgt Ion: 84 Resp: 8875

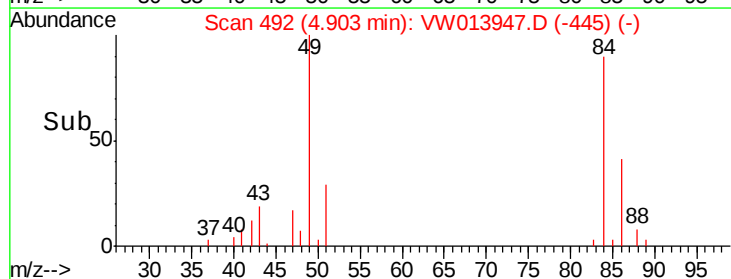
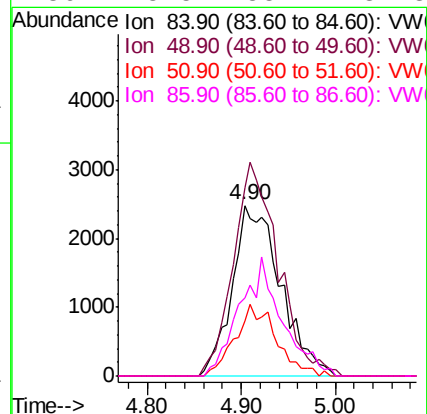
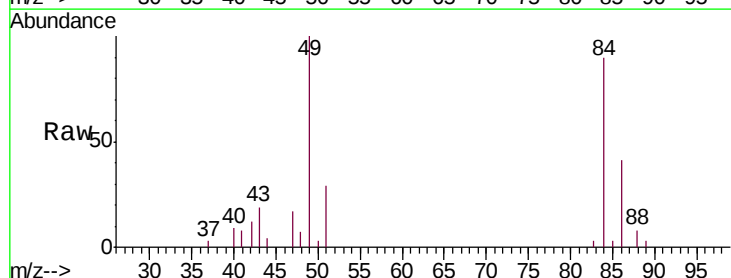
Ion Ratio Lower Upper

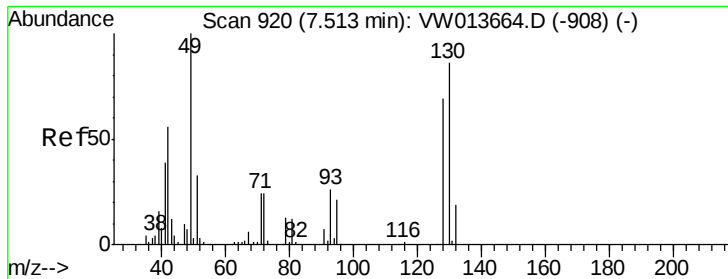
84 100

49 110.6 91.8 137.6

51 31.9 29.8 44.6

86 45.5 55.2 82.8#





#28

Bromochloromethane

Concen: 1.461 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.17 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampled :

SB-26-(6-8)

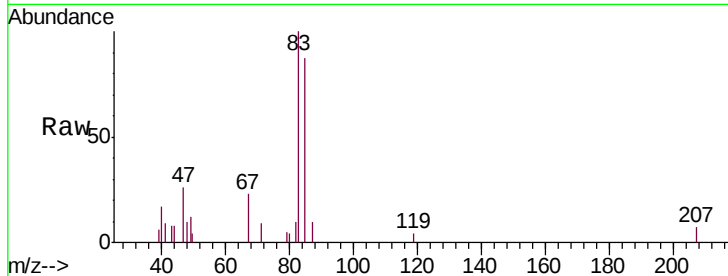
Tgt Ion: 49 Resp: 214

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

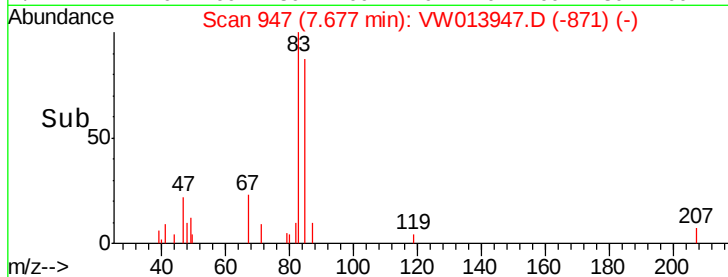
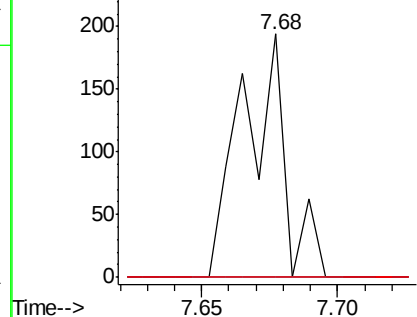
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 1.028 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013947.D

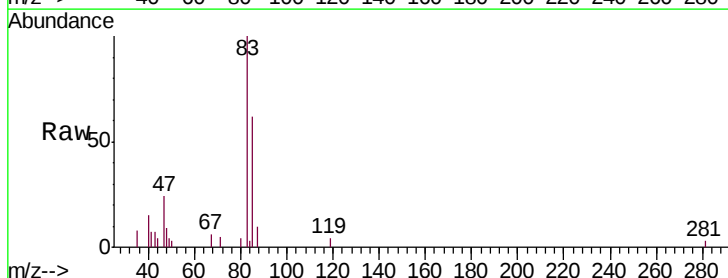
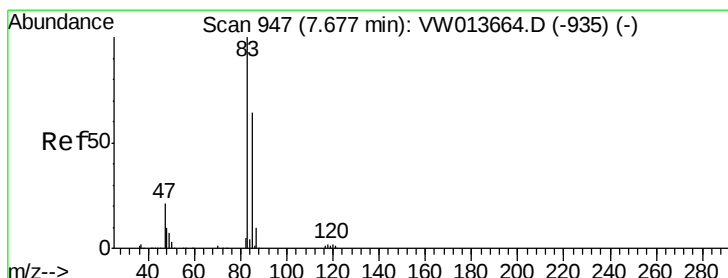
Acq: 08 Nov 2019 16:20

Tgt Ion: 83 Resp: 4913

Ion Ratio Lower Upper

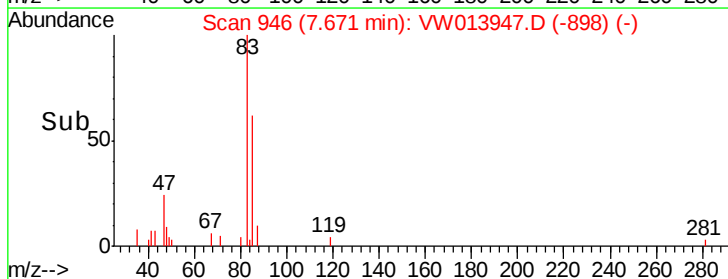
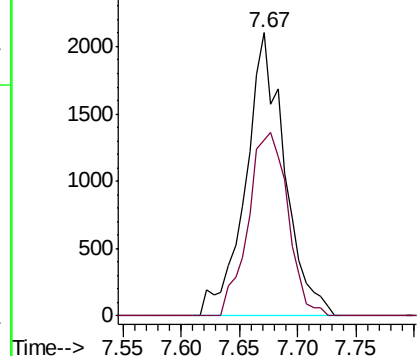
83 100

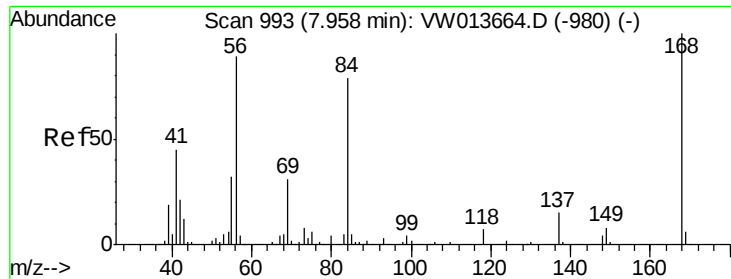
85 62.3 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

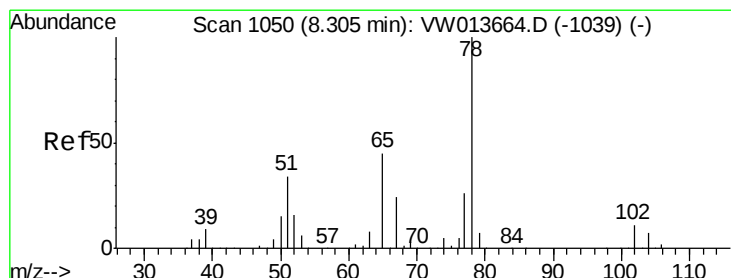
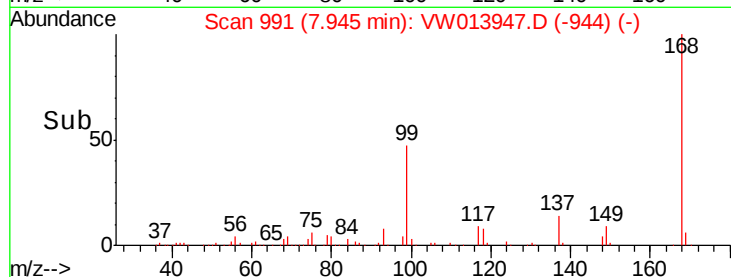
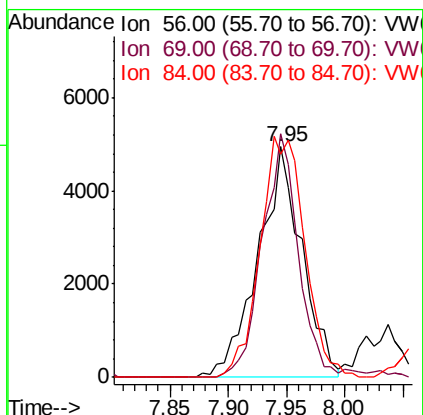
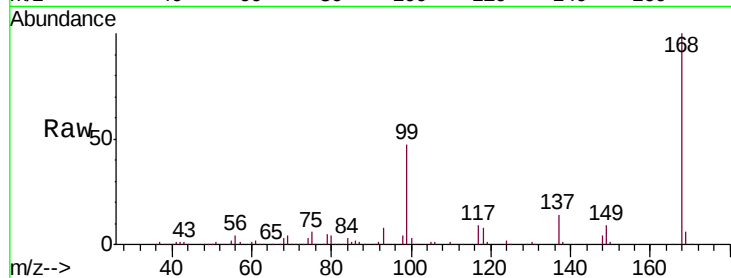




#31
Cyclohexane
Concen: 2.552 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

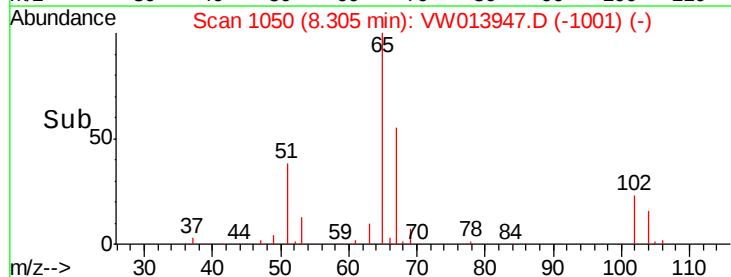
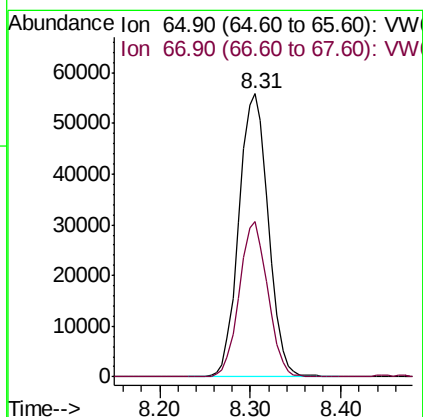
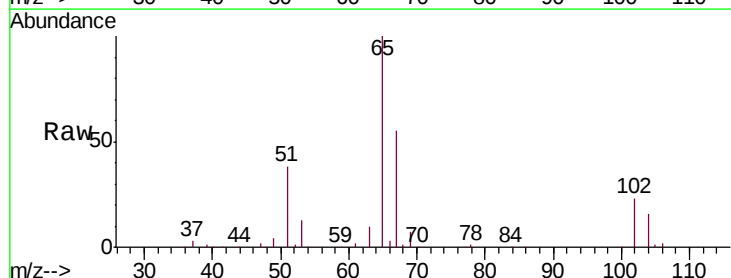
Instrument :
MSVOA_W
ClientSampleId :
SB-26-(6-8)

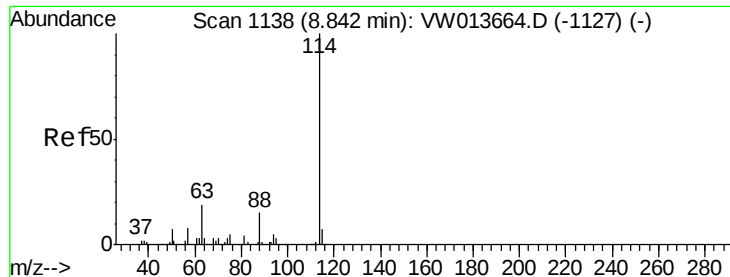
Tgt Ion: 56 Resp: 12912
Ion Ratio Lower Upper
56 100
69 105.6 27.5 41.3#
84 96.8 70.8 106.2



#33
1,2-Dichloroethane-d4
Concen: 55.115 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Tgt Ion: 65 Resp: 125491
Ion Ratio Lower Upper
65 100
67 53.0 0.0 109.4

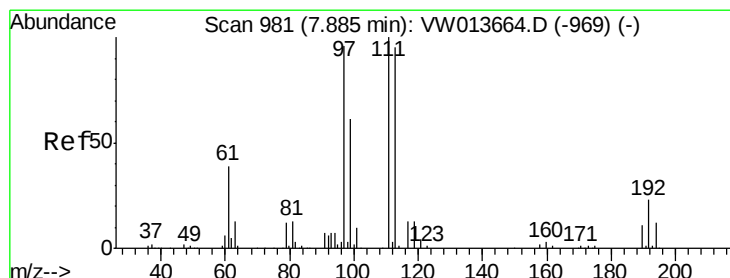
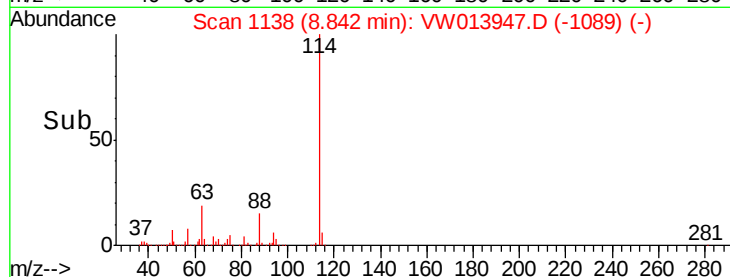
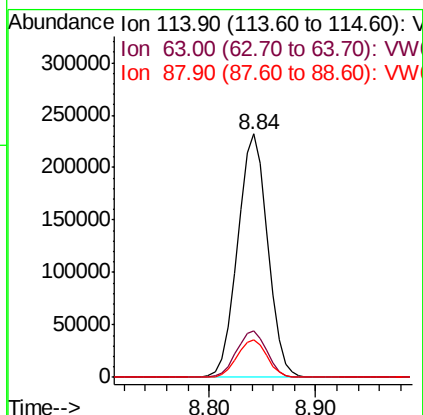
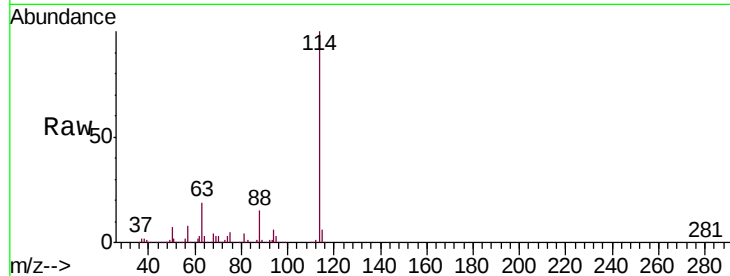




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

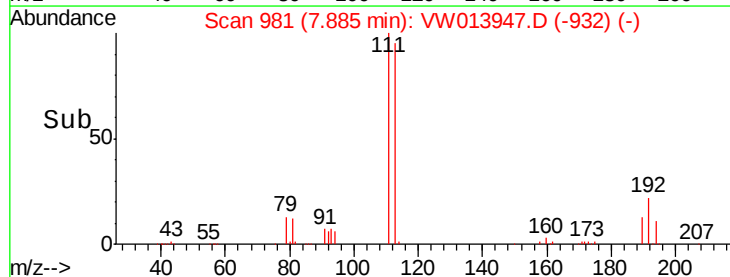
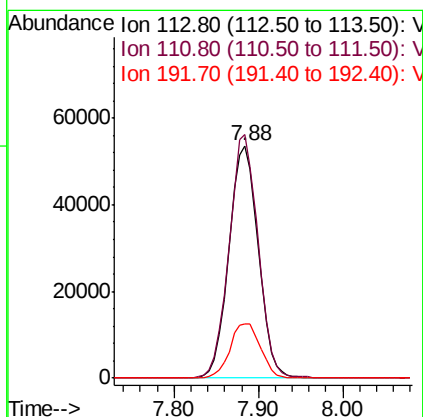
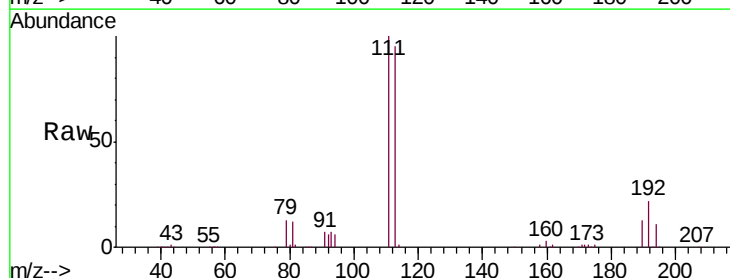
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-(6-8)

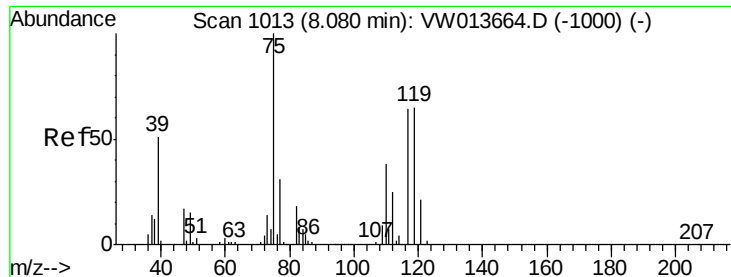
Tgt Ion:114 Resp: 459827
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.6
 88 15.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 49.560 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

Tgt Ion:113 Resp: 126629
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.0 124.6
 192 24.2 19.4 29.2

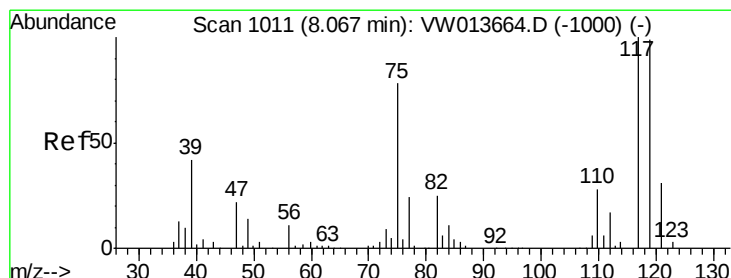
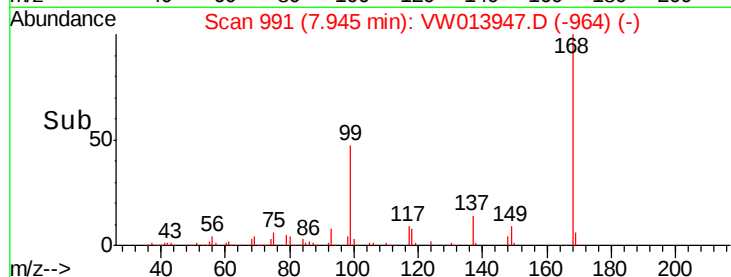
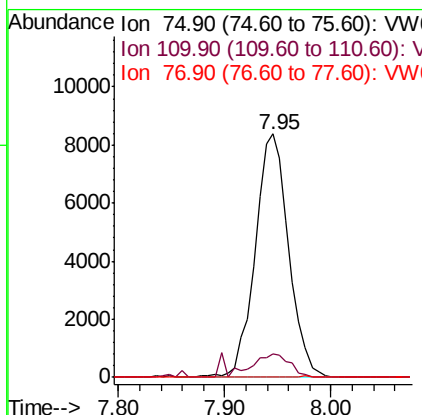
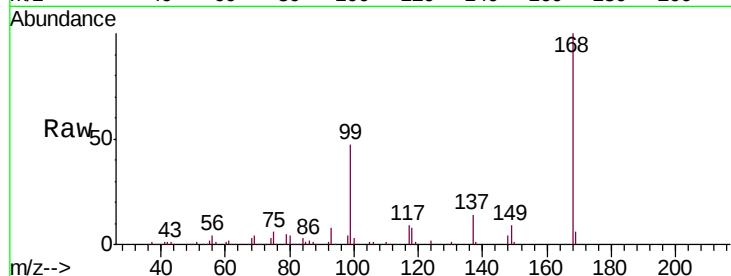




#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

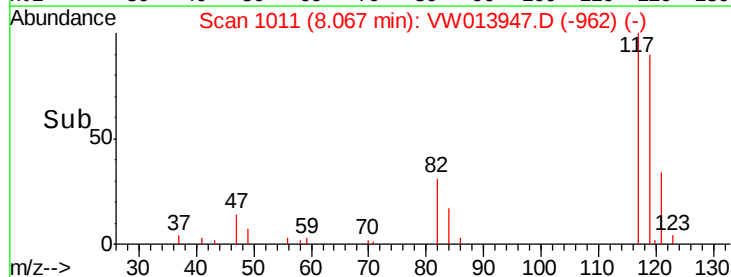
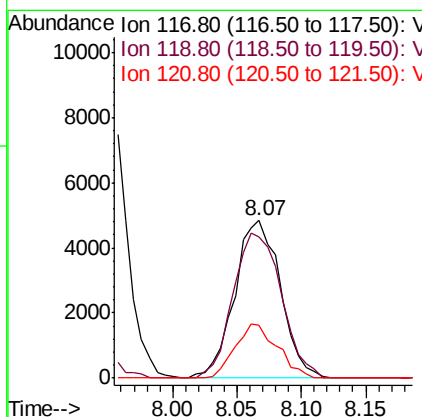
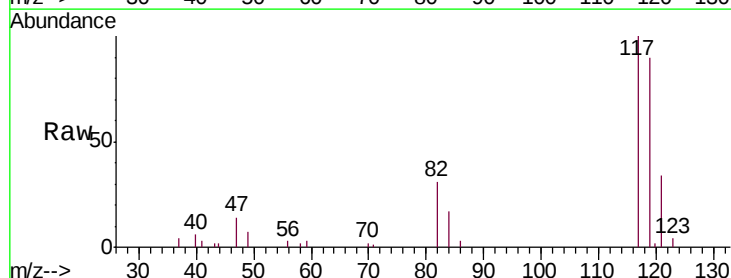
Instrument :
 MSVOA_W
 ClientSampled :
 SB-26-(6-8)

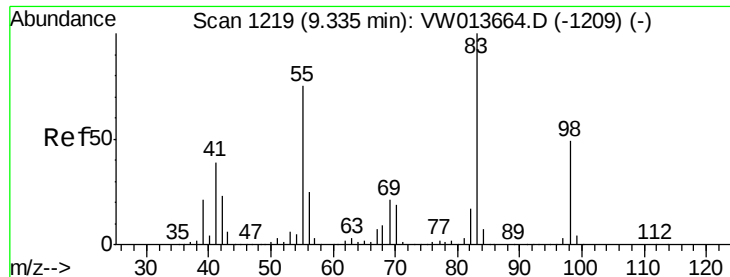
Tgt Ion: 75 Resp: 18439
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 3.090 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

Tgt Ion: 117 Resp: 11916
 Ion Ratio Lower Upper
 117 100
 119 89.7 79.0 118.4
 121 33.5 24.5 36.7

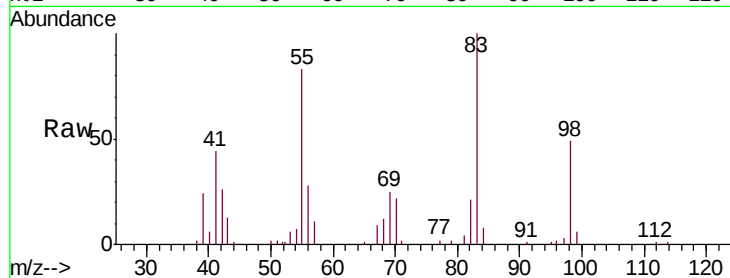




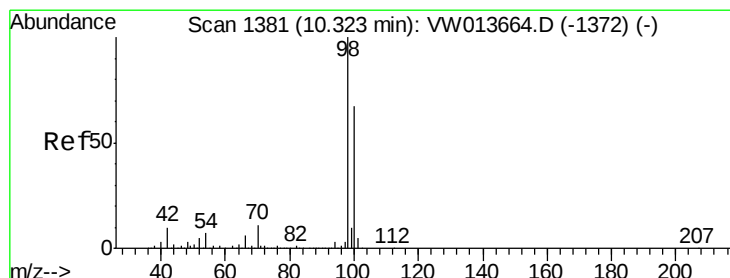
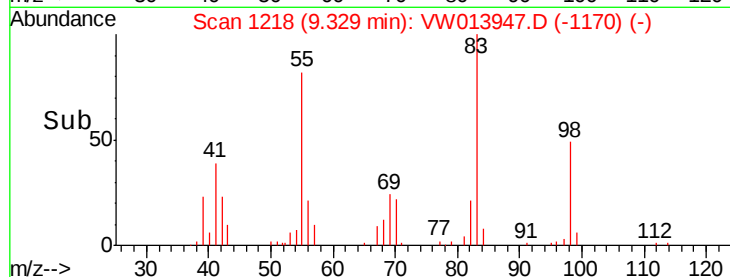
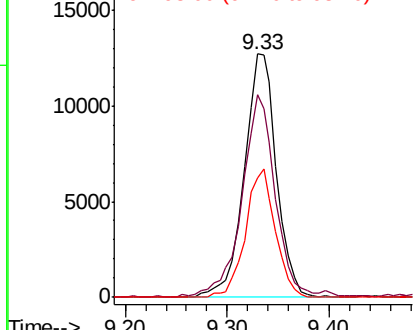
#39
Methylcyclohexane
Concen: 5.047 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Instrument :
MSVOA_W
ClientSampled :
SB-26-(6-8)

Tgt Ion: 83 Resp: 27914
Ion Ratio Lower Upper
83 100
55 82.9 59.9 89.9
98 49.3 39.4 59.2

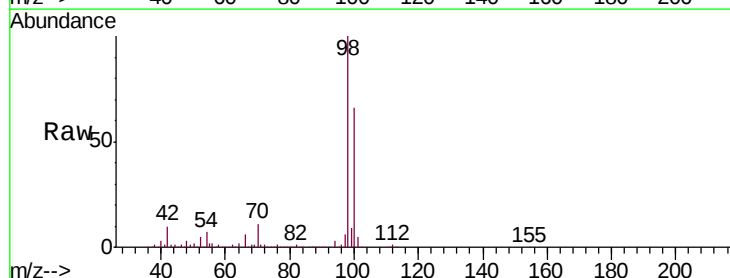


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

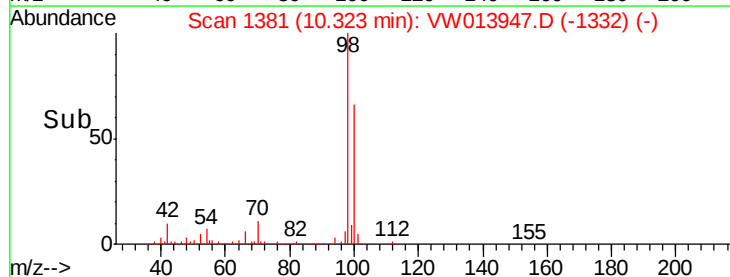
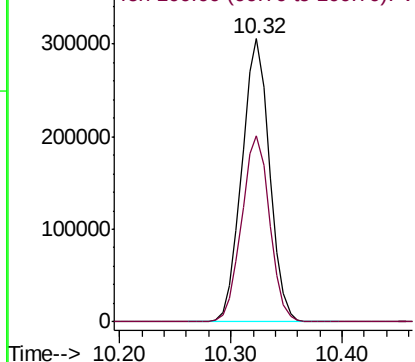


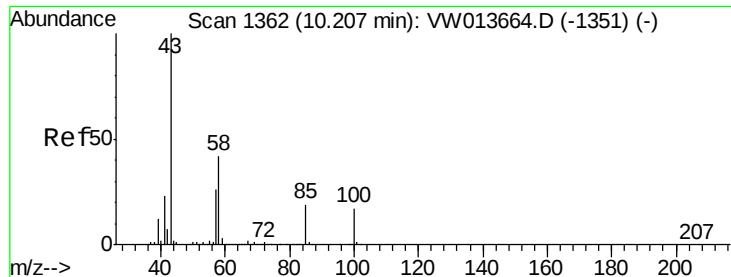
#50
Toluene-d8
Concen: 50.649 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Tgt Ion: 98 Resp: 527317
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 2.748 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

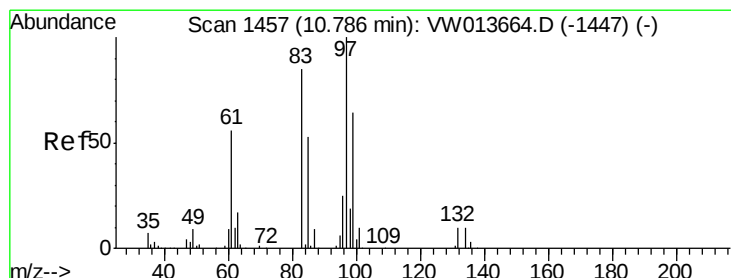
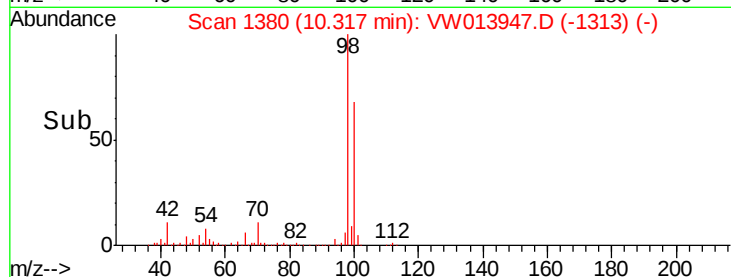
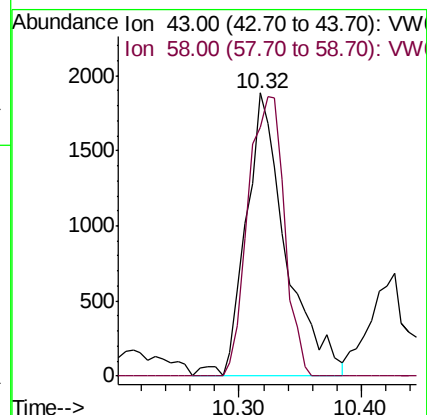
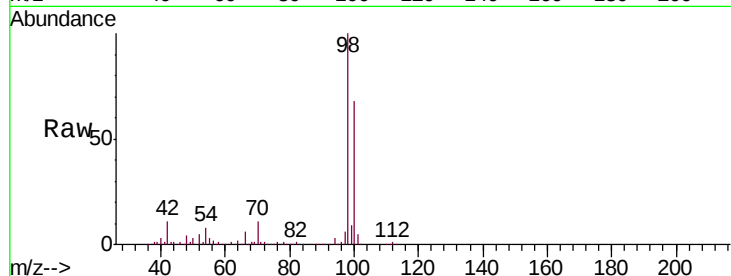
SB-26-(6-8)

Tgt Ion: 43 Resp: 4285

Ion Ratio Lower Upper

43 100

58 89.2 32.6 49.0#



#55

1,1,2-Trichloroethane

Concen: 2.453 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Tgt Ion: 97 Resp: 5136

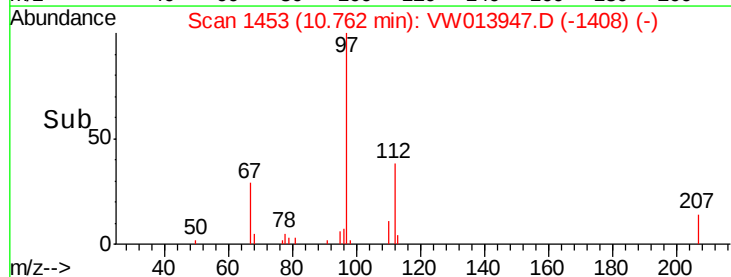
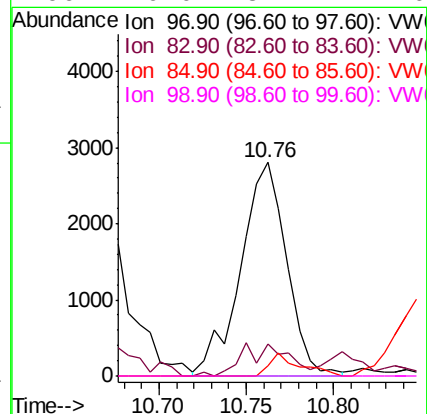
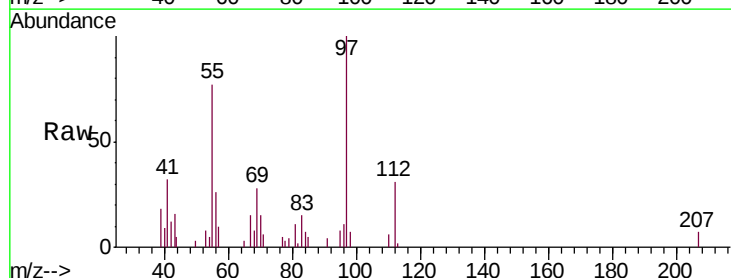
Ion Ratio Lower Upper

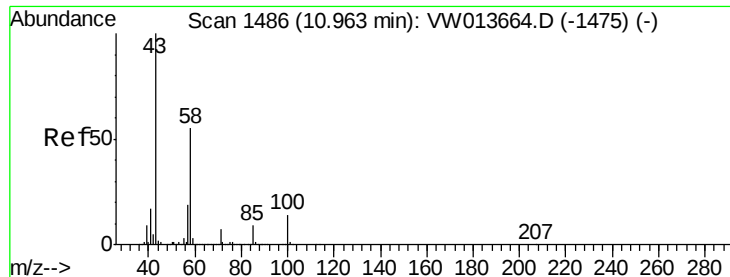
97 100

83 15.2 67.8 101.8#

85 4.8 42.1 63.1#

99 0.0 51.4 77.0#

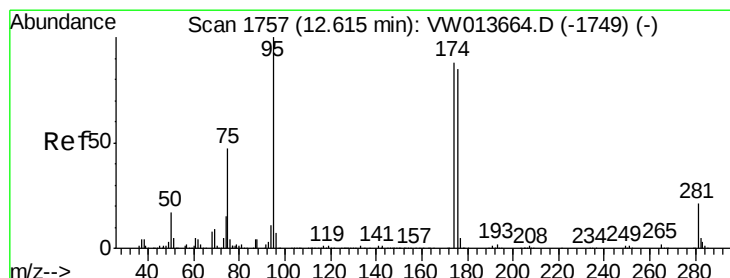
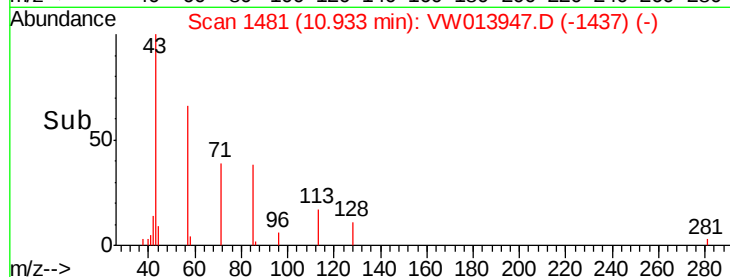
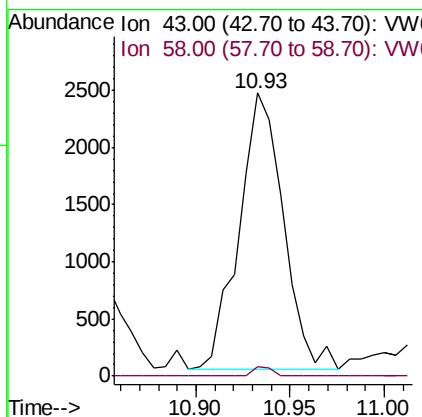
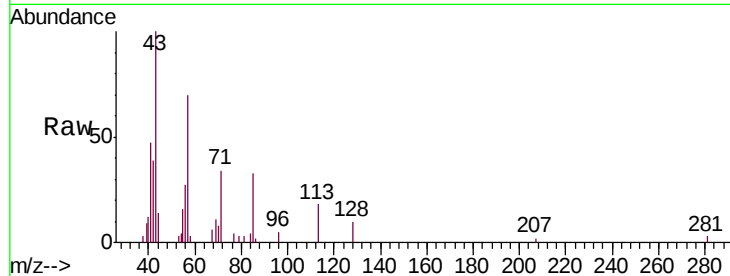




#59
2-Hexanone
Concen: 3.673 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

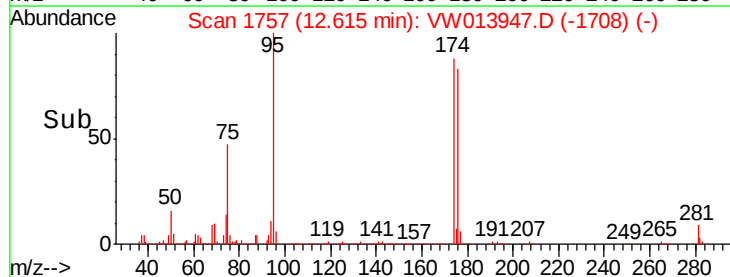
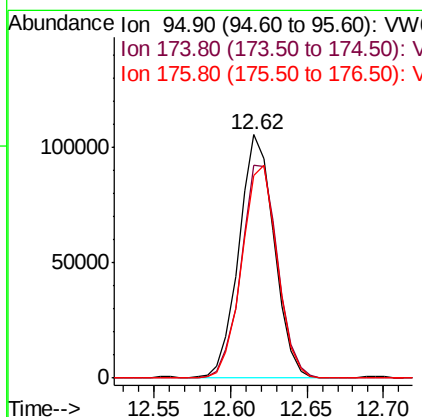
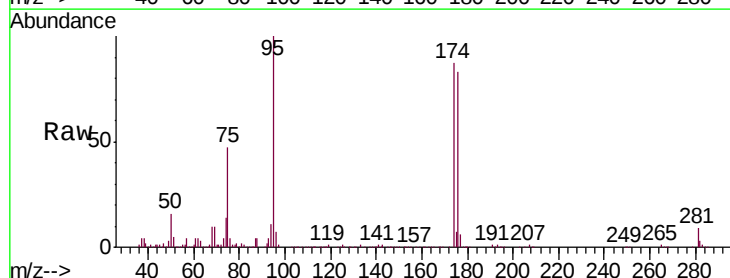
Instrument :
MSVOA_W
ClientSampled :
SB-26-(6-8)

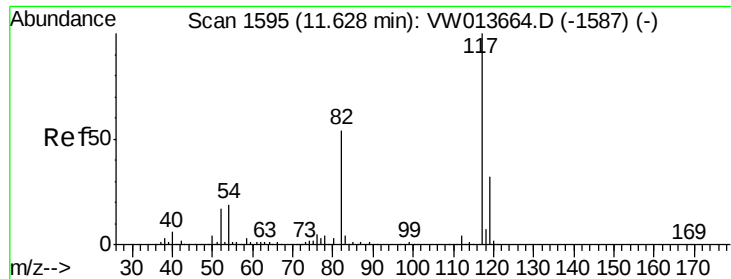
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
58 1.5 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 47.503 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Tgt Ion: 95 Resp: 167459
Ion Ratio Lower Upper
95 100
174 91.4 0.0 183.6
176 88.6 0.0 178.0

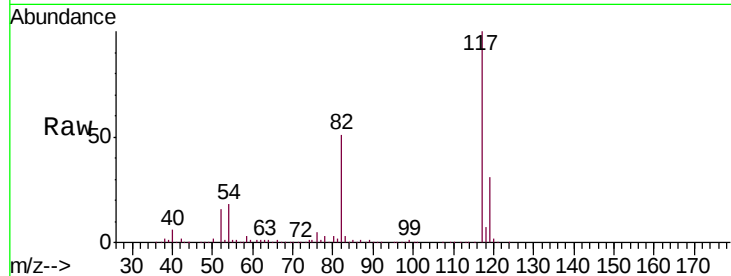




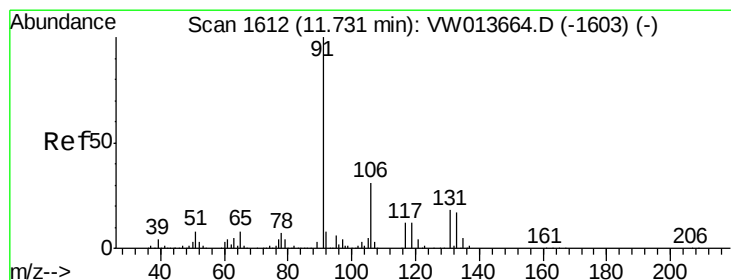
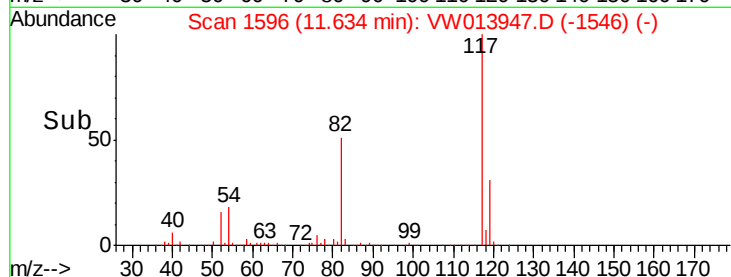
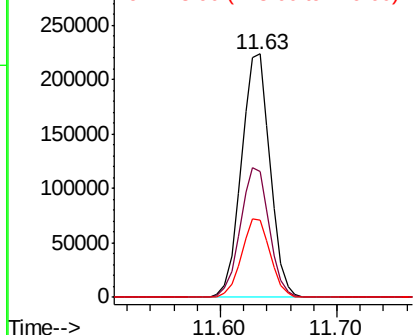
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Instrument :
MSVOA_W
ClientSampleId :
SB-26-(6-8)

Tgt Ion: 117 Resp: 383123
Ion Ratio Lower Upper
117 100
82 51.4 43.6 65.4
119 31.5 25.4 38.2

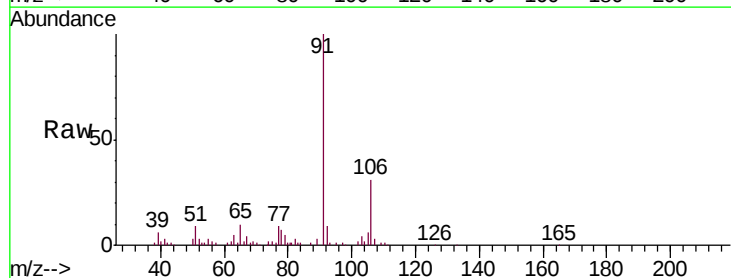


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

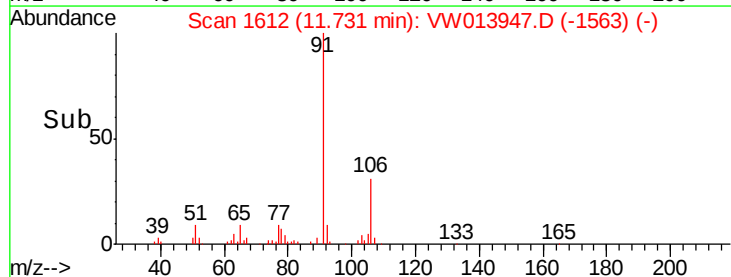
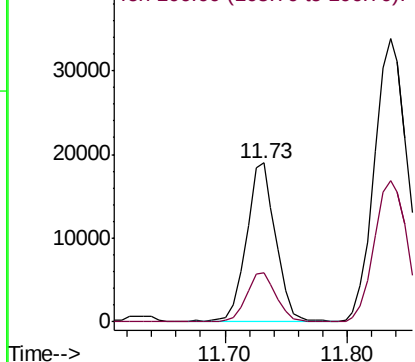


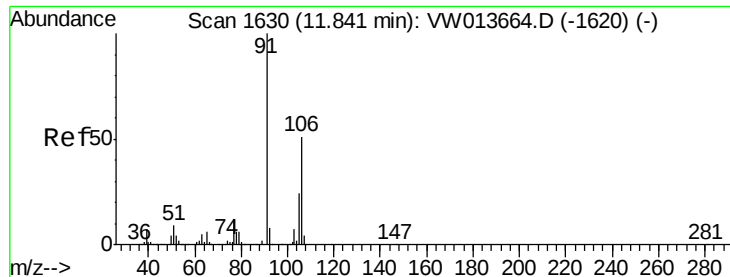
#67
Ethyl Benzene
Concen: 2.233 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Tgt Ion: 91 Resp: 31699
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

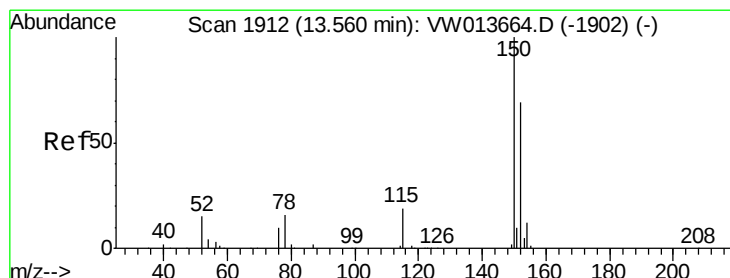
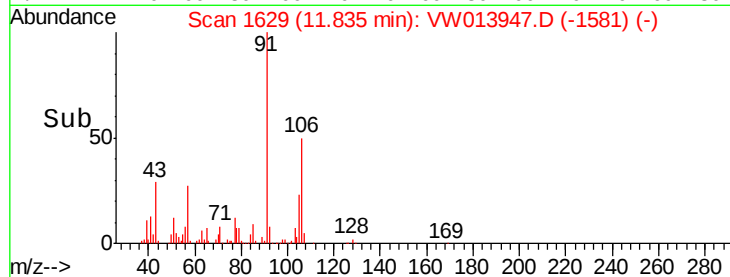
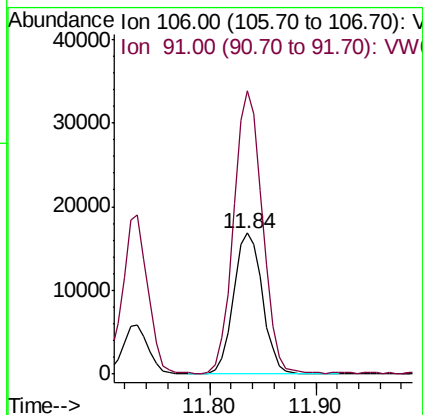
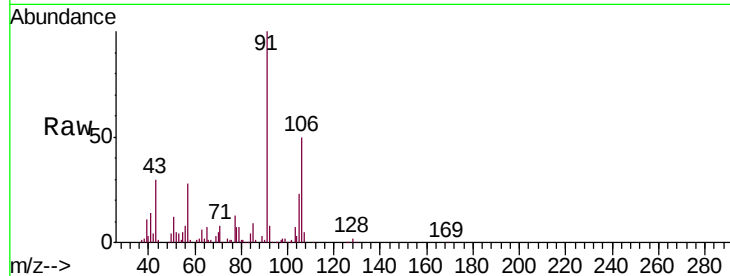




#68
m/p-Xylenes
Concen: 5.855 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

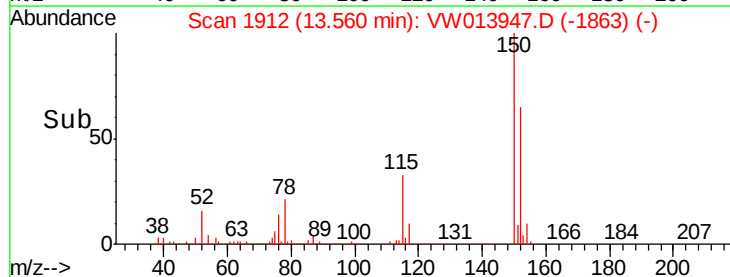
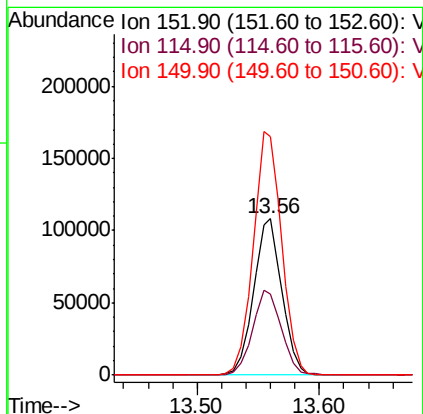
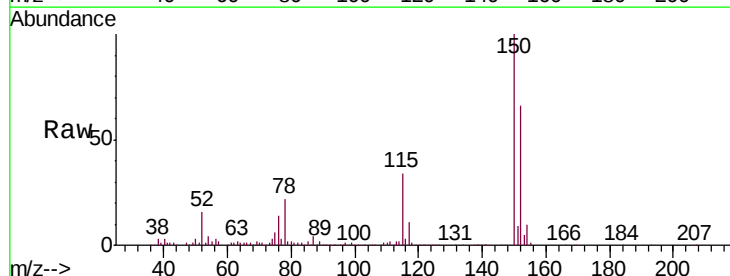
Instrument :
MSVOA_W
ClientSampleId :
SB-26-(6-8)

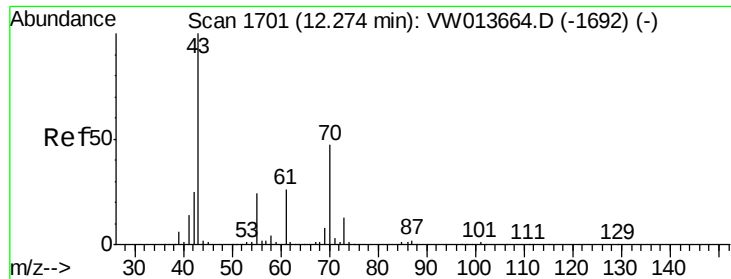
Tgt Ion:106 Resp: 32112
Ion Ratio Lower Upper
106 100
91 198.5 159.2 238.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013947.D
Acq: 08 Nov 2019 16:20

Tgt Ion:152 Resp: 172194
Ion Ratio Lower Upper
152 100
115 55.9 27.4 82.2
150 157.9 0.0 345.4





#74

N-ethyl acetate

Concen: 1.776 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

SB-26-(6-8)

Tgt Ion: 43 Resp: 4248

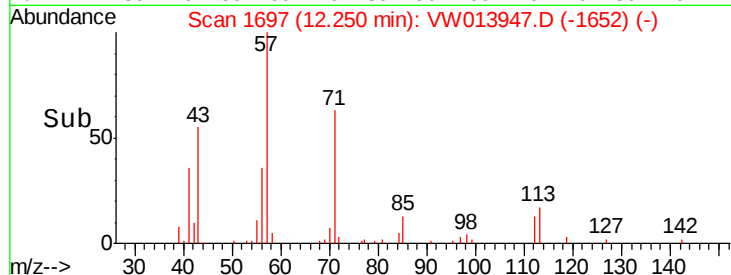
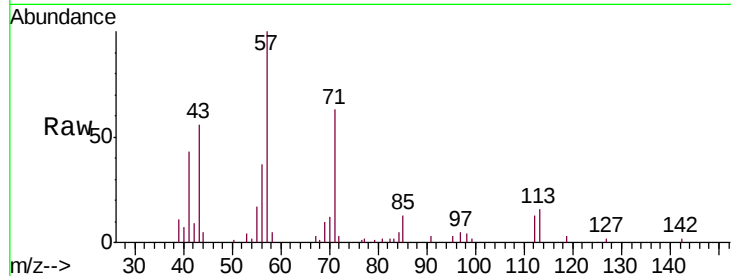
Ion Ratio Lower Upper

43 100

70 10.6 36.6 55.0#

55 0.0 20.3 30.5#

61 0.0 20.4 30.6#

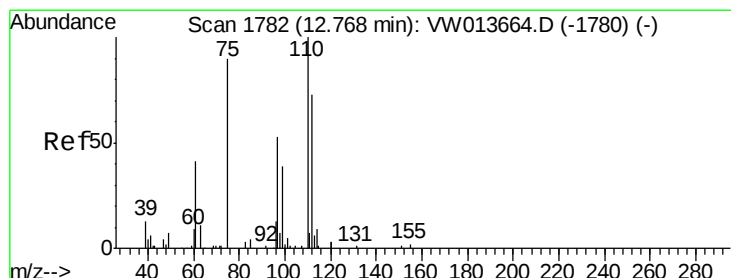
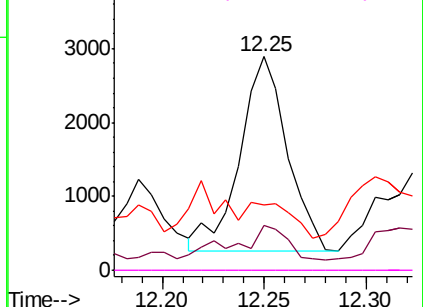


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 63.612 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013947.D

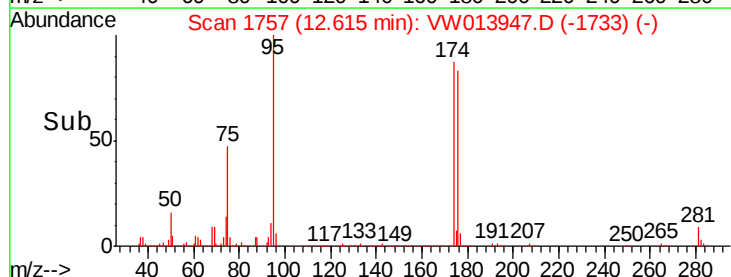
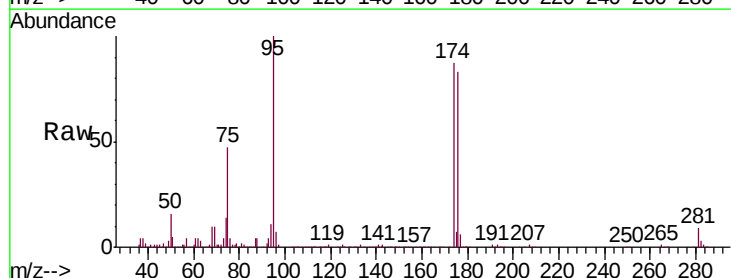
Acq: 08 Nov 2019 16:20

Tgt Ion: 75 Resp: 78662

Ion Ratio Lower Upper

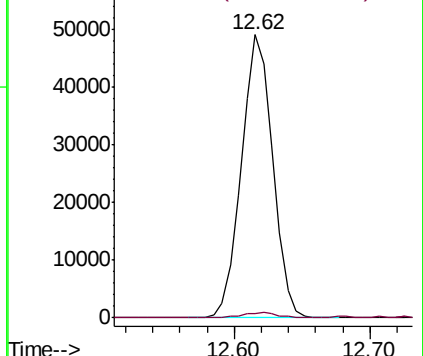
75 100

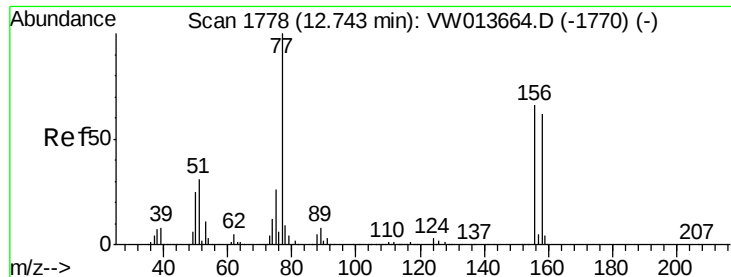
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.012 ug/l

RT: 12.85 min Scan# 1795

Delta R.T. 0.10 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

SB-26-(6-8)

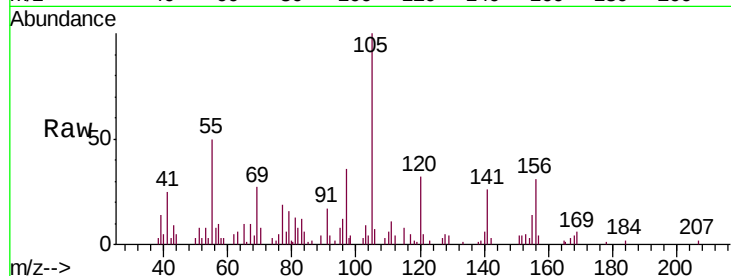
Tgt Ion:156 Resp: 2989

Ion Ratio Lower Upper

156 100

77 197.1 82.9 248.7

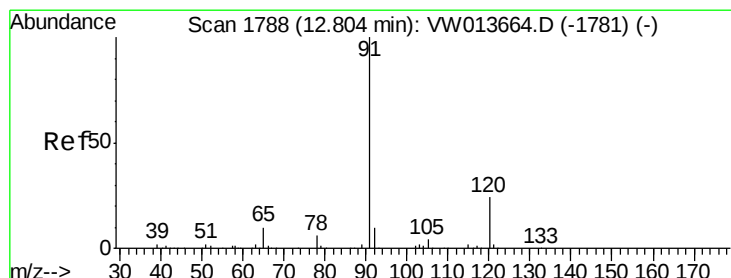
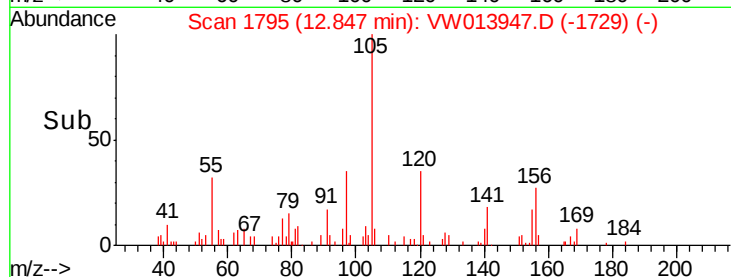
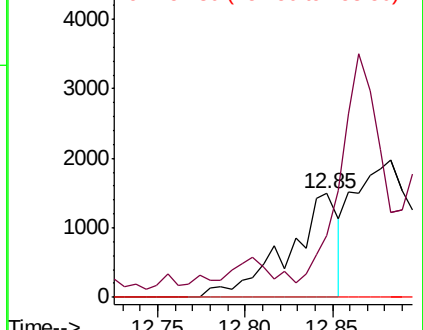
158 0.0 48.4 145.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.055 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013947.D

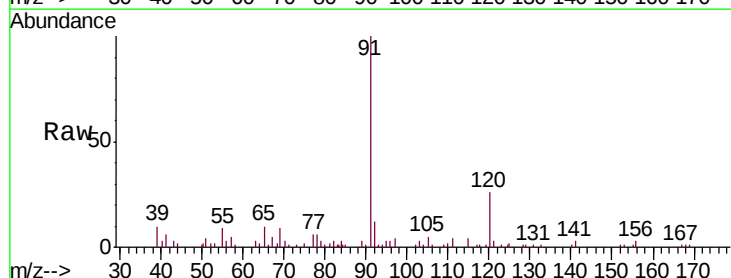
Acq: 08 Nov 2019 16:20

Tgt Ion: 91 Resp: 15097

Ion Ratio Lower Upper

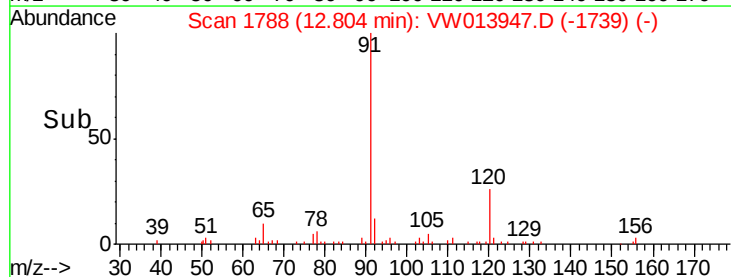
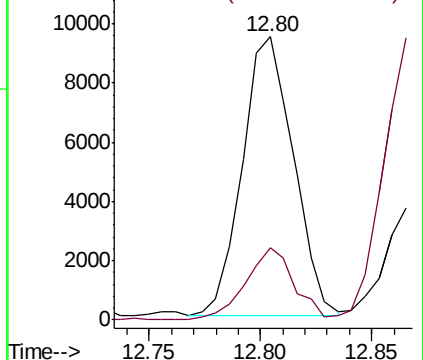
91 100

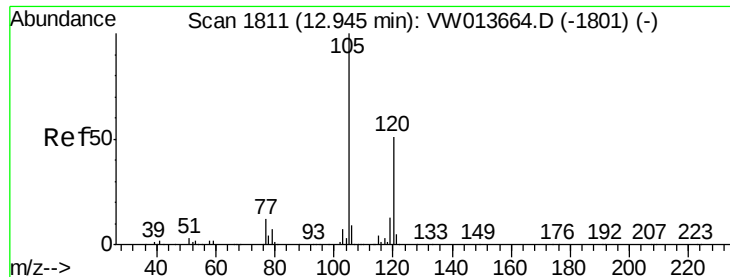
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

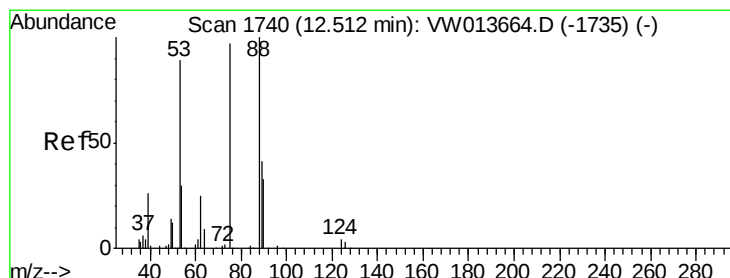
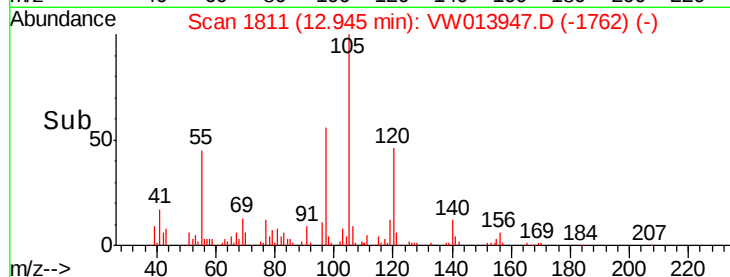
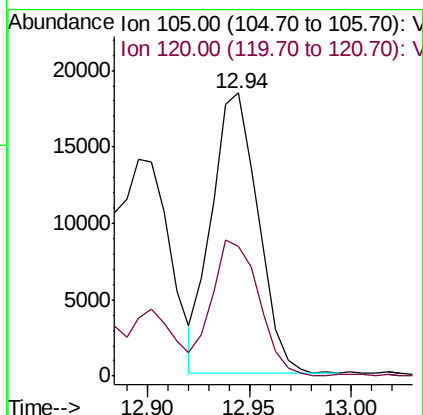
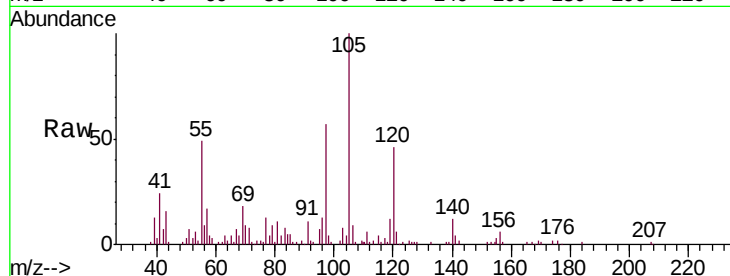




#80
 1,3,5-Trimethylbenzene
 Concen: 2.778 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

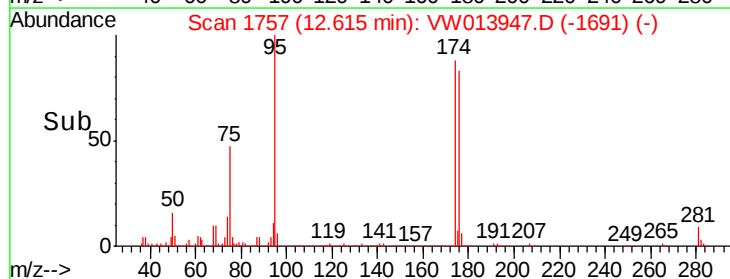
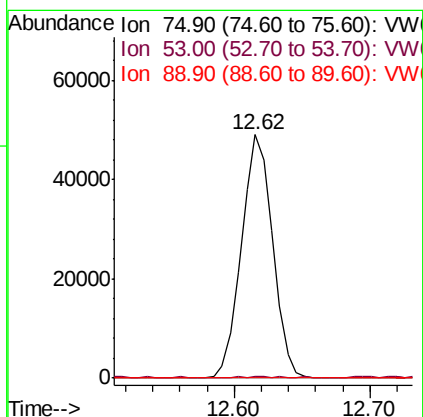
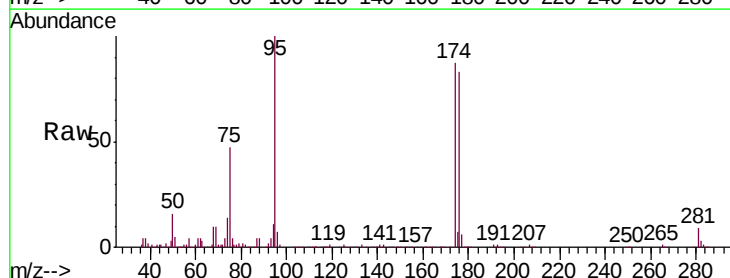
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-(6-8)

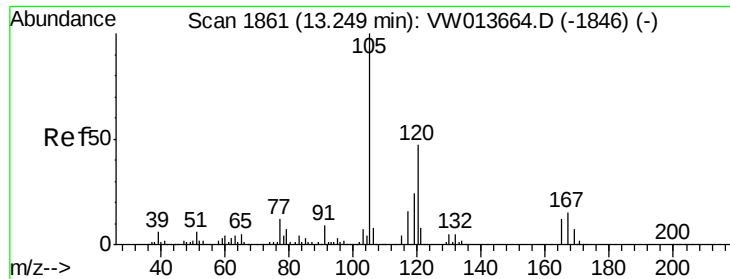
Tgt Ion: 105 Resp: 28995
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.218 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

Tgt Ion: 75 Resp: 78662
 Ion Ratio Lower Upper
 75 100
 53 1.0 71.7 107.5#
 89 0.0 35.8 53.8#

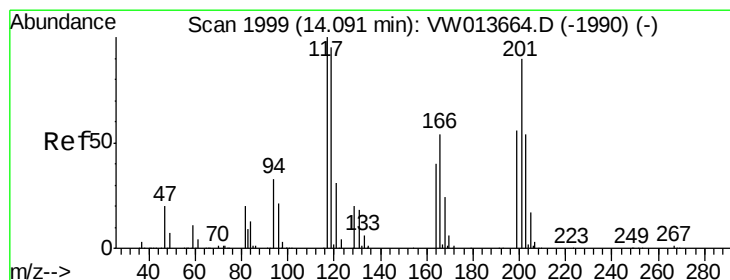
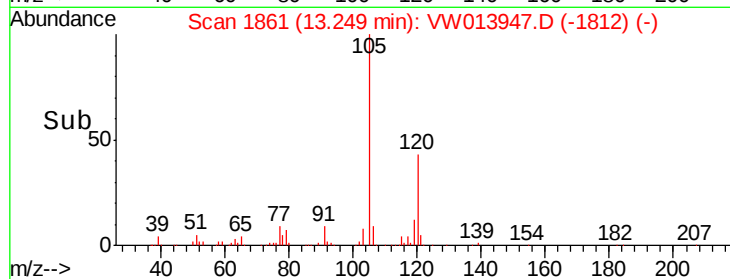
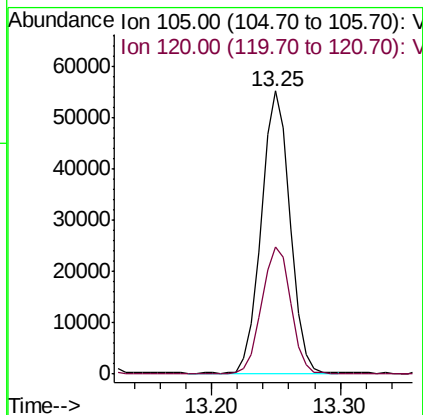
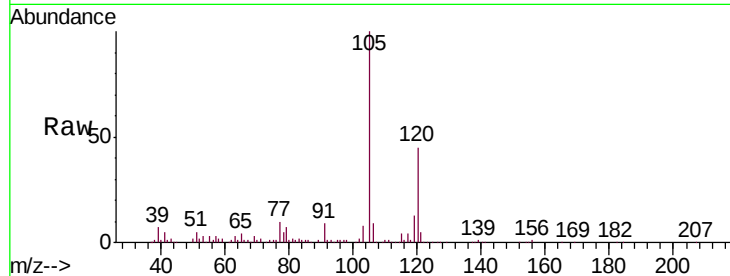




#84
 1,2,4-Trimethylbenzene
 Concen: 8.207 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

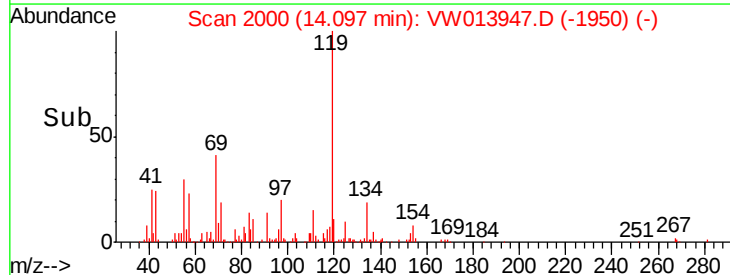
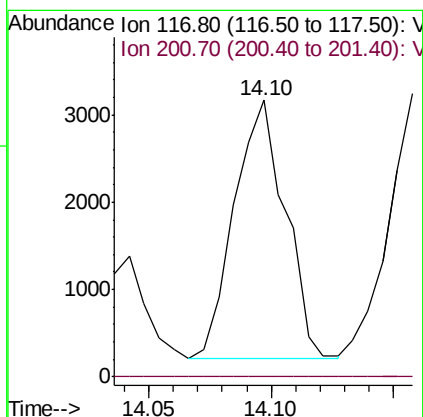
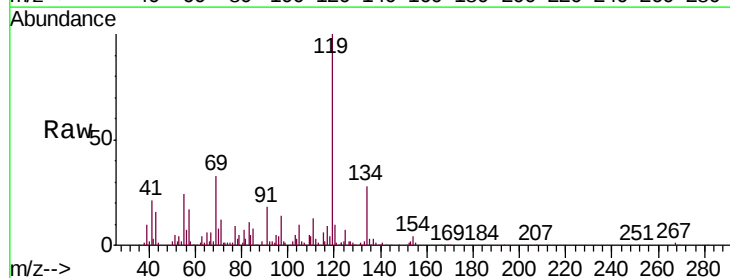
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-(6-8)

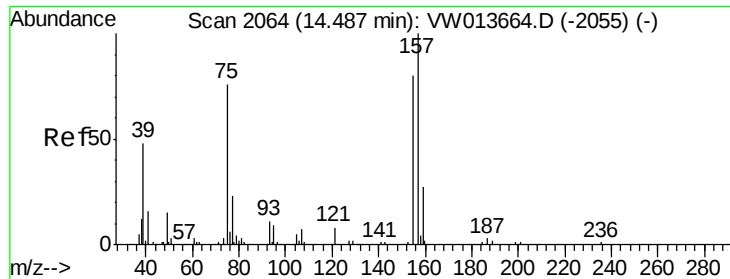
Tgt Ion:105 Resp: 84512
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.5 70.5



#90
 Hexachloroethane
 Concen: 2.089 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: VW013947.D
 Acq: 08 Nov 2019 16:20

Tgt Ion:117 Resp: 4286
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.1 138.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.705 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

Instrument :

MSVOA_W

ClientSampleId :

SB-26-(6-8)

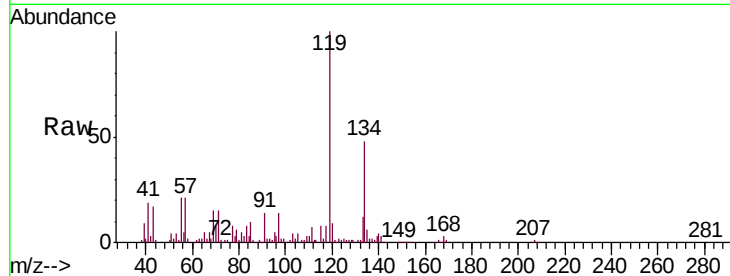
Tgt Ion: 75 Resp: 503

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

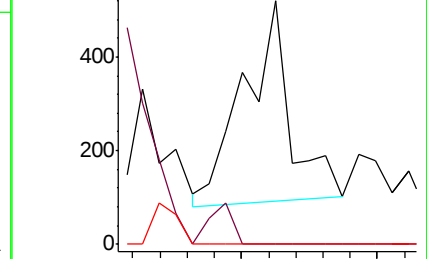
157 0.0 64.8 194.3#



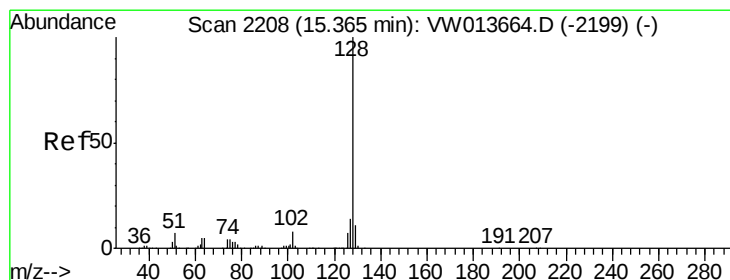
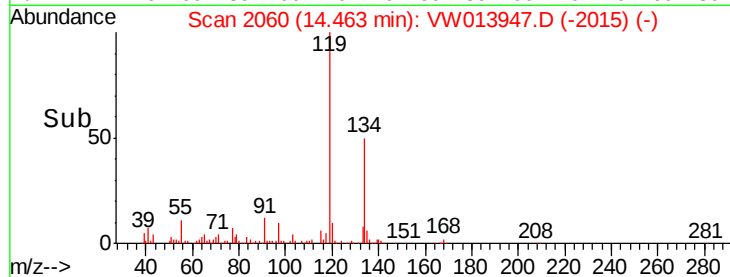
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#95

Naphthalene

Concen: 6.397 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013947.D

Acq: 08 Nov 2019 16:20

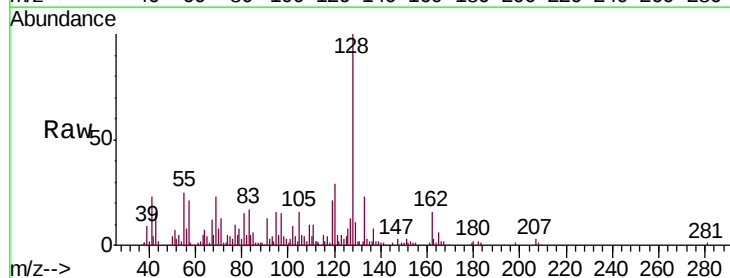
Tgt Ion:128 Resp: 36221

Ion Ratio Lower Upper

128 100

127 18.0 10.6 15.8#

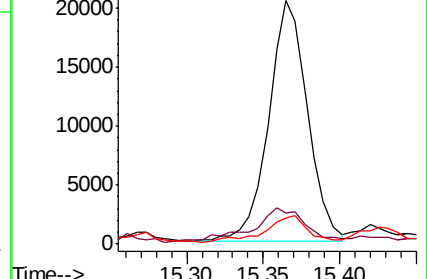
129 12.0 8.7 13.1



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



Time-->

