

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006190.D
 Acq On : 18 Oct 2018 21:28
 Operator : VA/AP
 Sample : J5579-01RE
 Misc : 9.53G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 7-1-ROLLOFFSRE

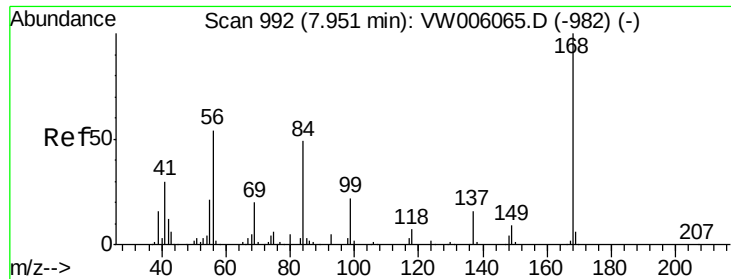
Quant Time: Oct 19 06:04:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	319427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	68727	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	94123	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	7.89	113	99860	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
50) Toluene-d8	10.33	98	327864	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.62	95	85400	31.66	ug/l	0.00
Spiked Amount			Recovery	=	63.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1644	1.682	ug/l #	8
16) Acetone	4.15	43	3816	Below Cal		95
20) Methylene Chloride	4.91	84	12557	5.136	ug/l	96
29) Tetrahydrofuran	7.56	42	350	1.172	ug/l #	39
31) Cyclohexane	7.95	56	4328	1.315	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	14389	4.887	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19320	5.986	ug/l #	17
40) Benzene	8.33	78	8503	1.053	ug/l	99
52) Toluene	10.39	92	32704	6.040	ug/l	99
59) 2-Hexanone	10.94	43	990	1.238	ug/l #	25
67) Ethyl Benzene	11.74	91	28049	3.301	ug/l	98
68) m/p-Xylenes	11.84	106	4119	1.226	ug/l	99
69) o-Xylene	12.17	106	4060	1.269	ug/l	100
73) Isopropylbenzene	12.47	105	5710	1.176	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	43458	82.787	ug/l #	100
78) n-propylbenzene	12.81	91	6991	1.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	43458	197.893	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	8385	2.024	ug/l	96
86) p-Isopropyltoluene	13.51	119	4871	1.041	ug/l	92
89) n-Butylbenzene	13.83	91	4368	1.021	ug/l #	77
90) Hexachloroethane	14.11	117	1949	2.459	ug/l #	4
95) Naphthalene	15.38	128	19302	7.143	ug/l #	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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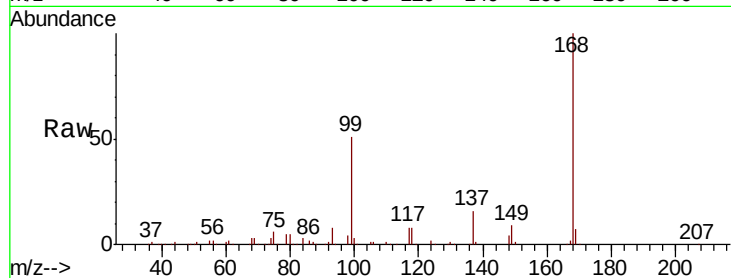
7-1-ROLLOFFSRE

Tot Ion:168 Resp: 216989

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

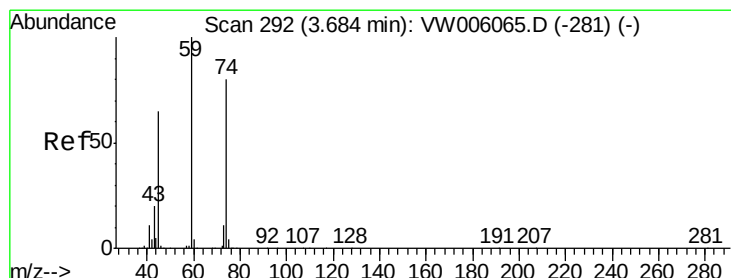
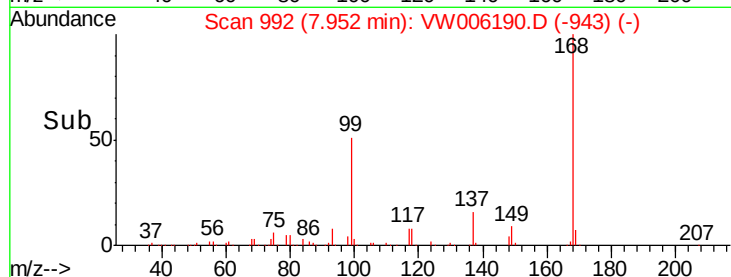
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.682 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006190.D

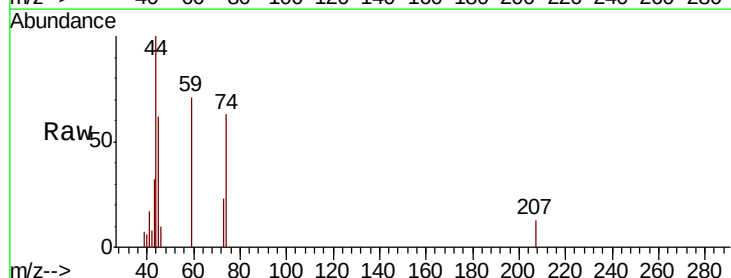
Acq: 18 Oct 2018 21:28

Tgt Ion: 74 Resp: 1644

Ion Ratio Lower Upper

74 100

45 169.8 42.8 128.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

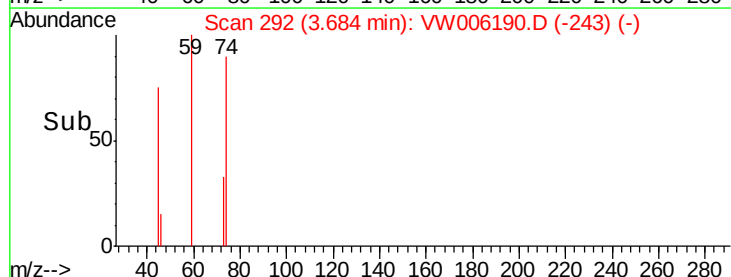
600

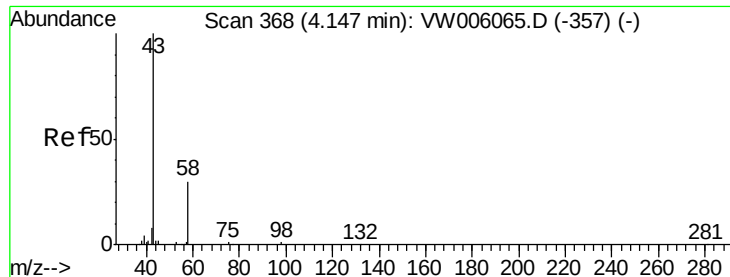
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

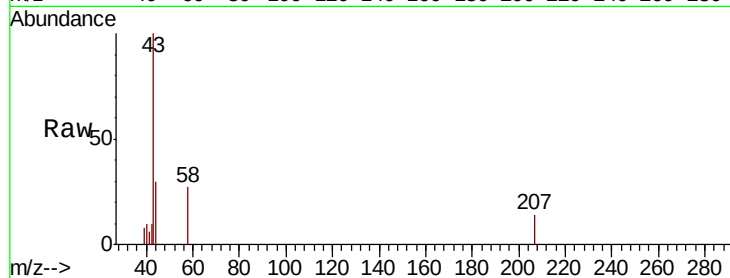
7-1-ROLLOFFSRE

Tot Ion: 43 Resp: 3816

Ion Ratio Lower Upper

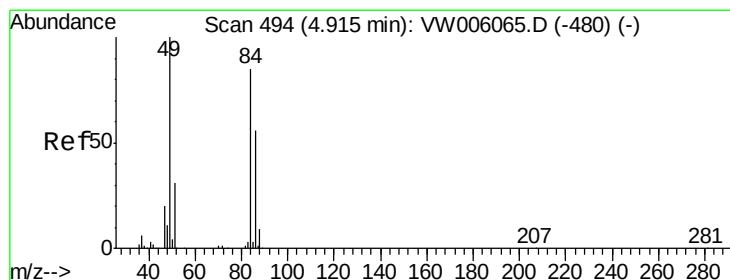
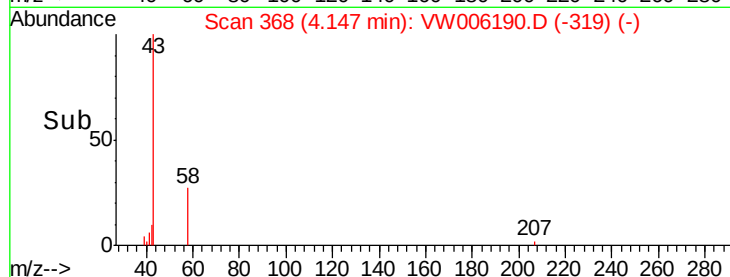
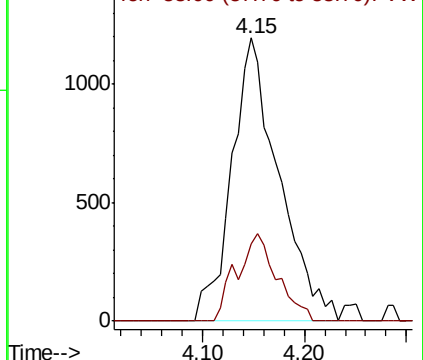
43 100

58 27.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.136 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Tgt Ion: 84 Resp: 12557

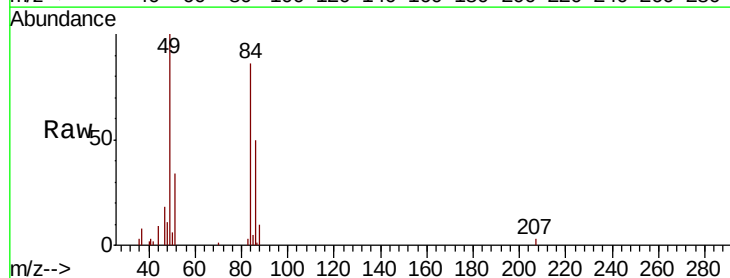
Ion Ratio Lower Upper

84 100

49 116.4 93.6 140.4

51 39.0 29.0 43.4

86 58.8 52.6 79.0

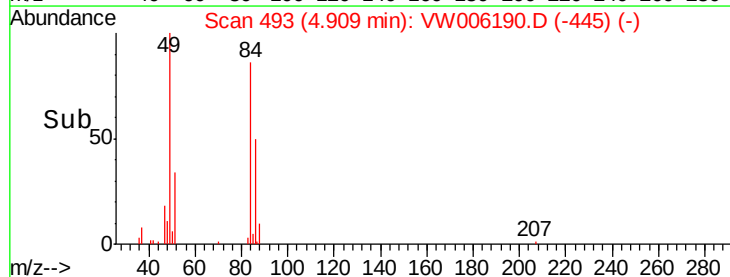
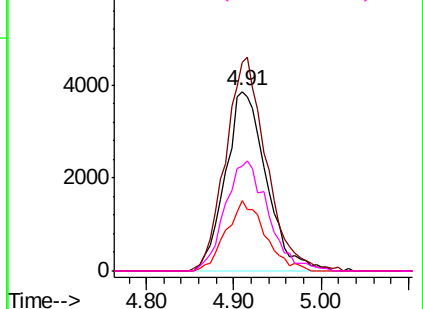


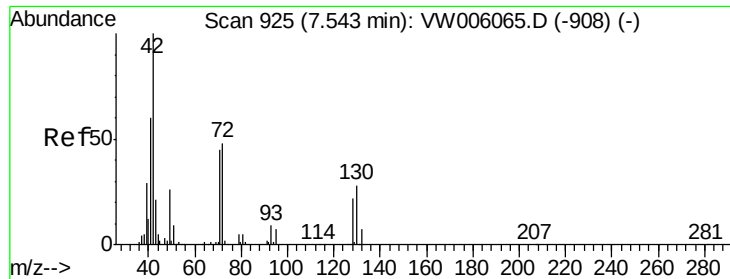
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.172 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.02 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

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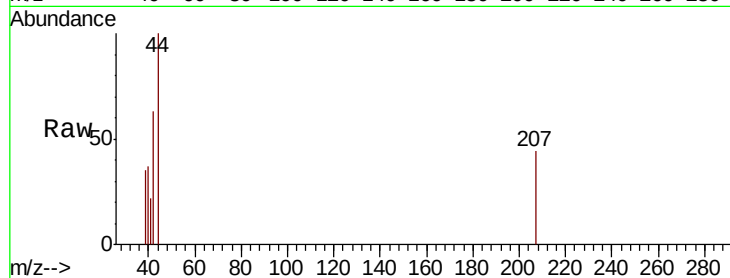
Tot Ion: 42 Resp: 350

Ion Ratio Lower Upper

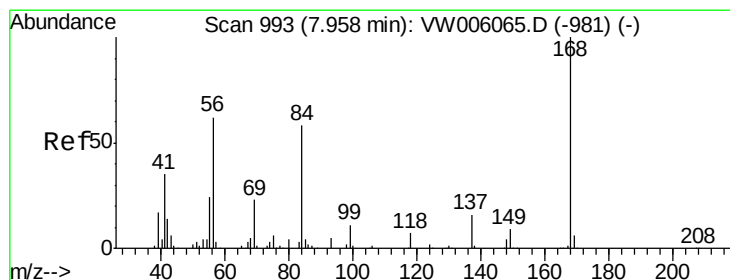
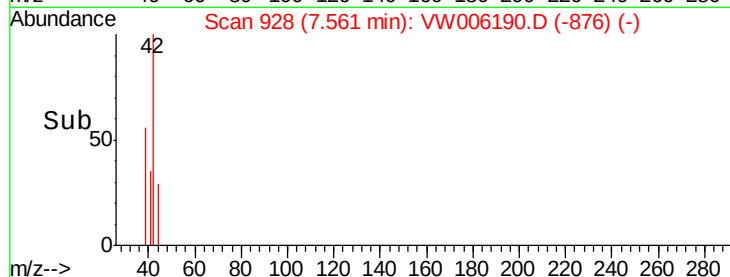
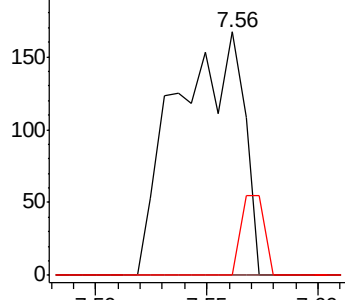
42 100

72 0.0 38.0 57.0#

71 11.4 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

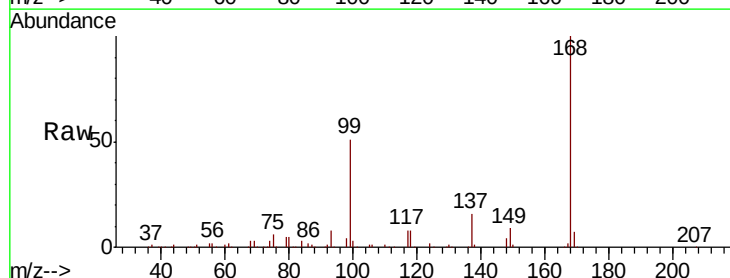
Tgt Ion: 56 Resp: 4328

Ion Ratio Lower Upper

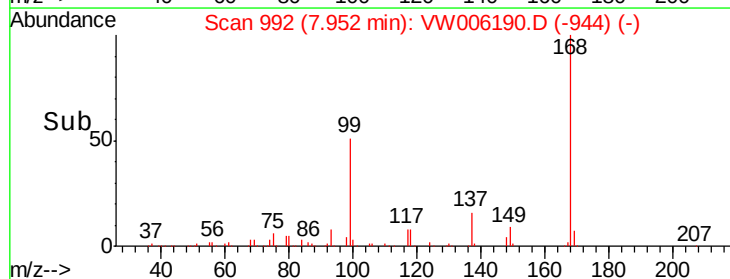
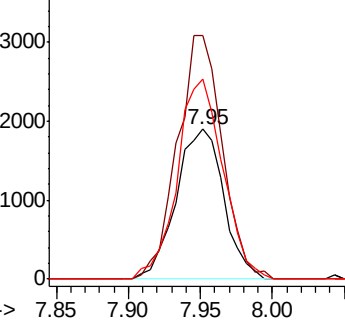
56 100

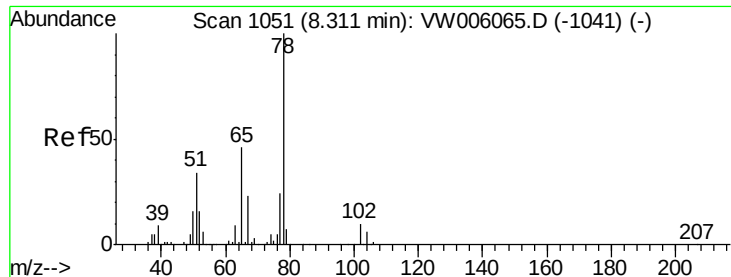
69 162.6 29.4 44.0#

84 133.4 74.0 111.0#



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

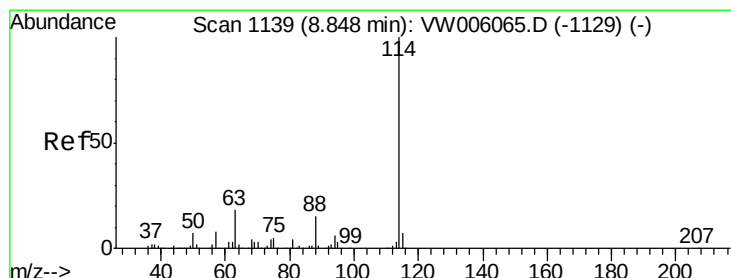
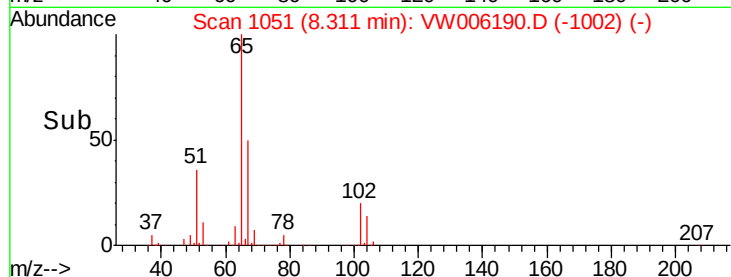
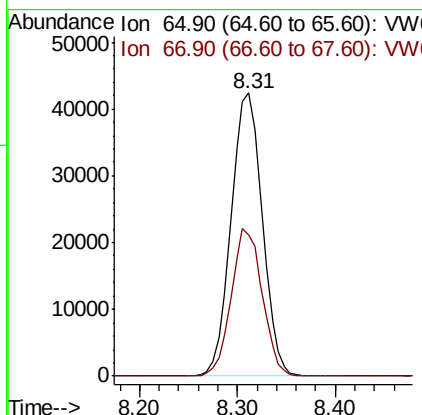
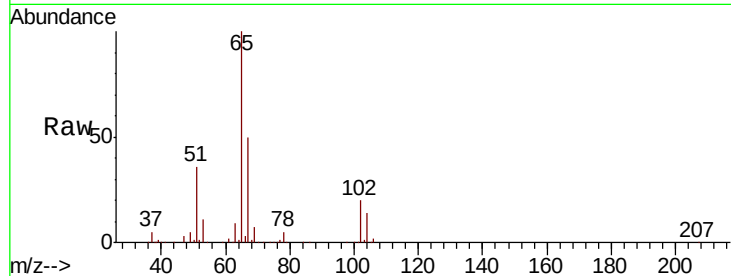




#33
 1,2-Dichloroethane-d4
 Concen: 52.321 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006190.D
 Acq: 18 Oct 2018 21:28

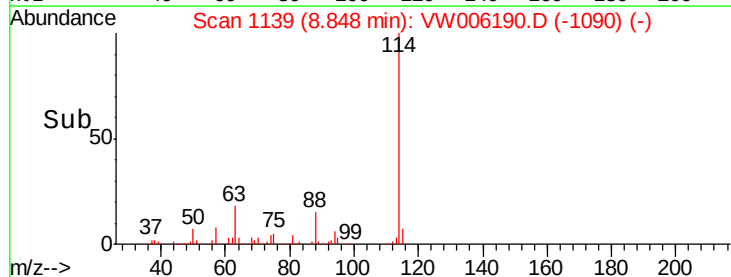
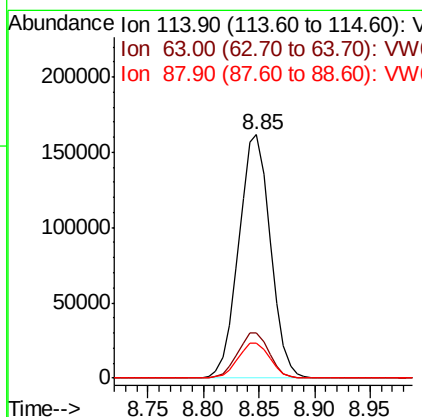
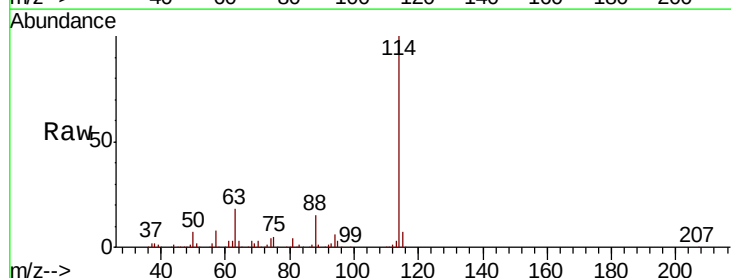
Instrument :
 MSVOA_W
 ClientSampleId :
 7-1-ROLLOFFSRE

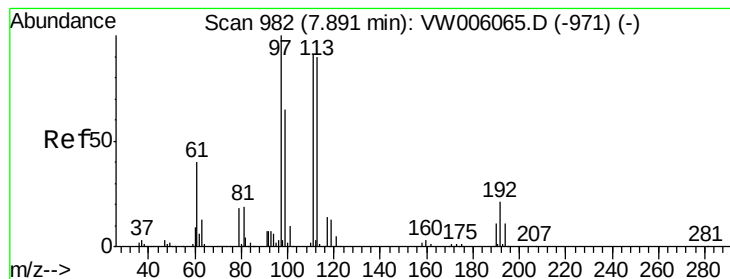
Tot Ion: 65 Resp: 94123
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006190.D
 Acq: 18 Oct 2018 21:28

Tgt Ion: 114 Resp: 319427
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.907 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

7-1-ROLLOFFSRE

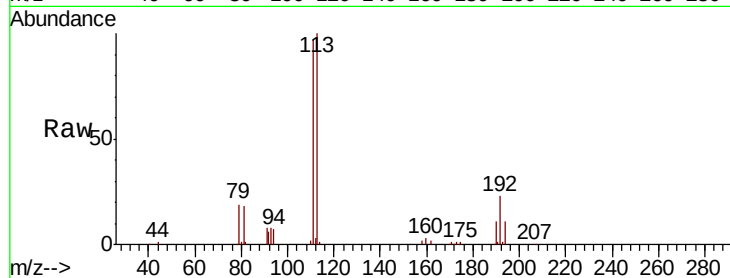
Tot Ion:113 Resp: 99860

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.0

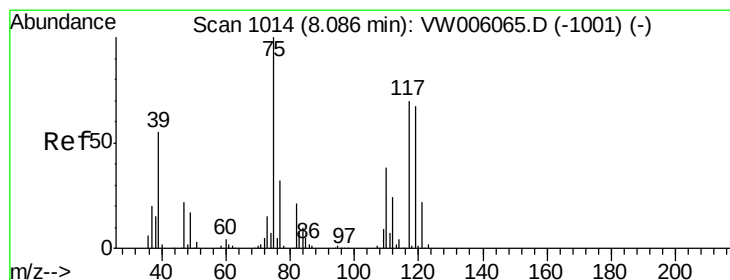
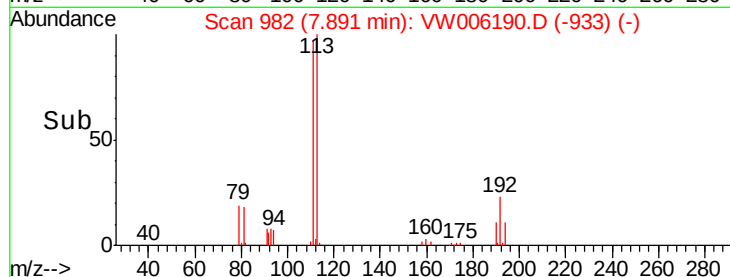
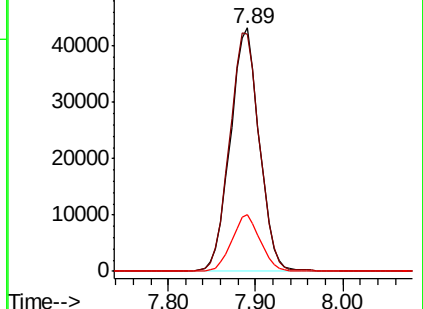
192 22.8 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

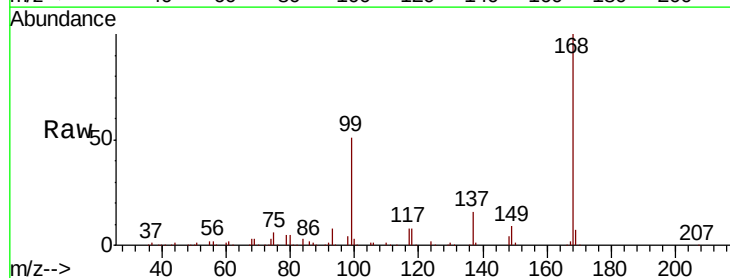
Tgt Ion: 75 Resp: 14389

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

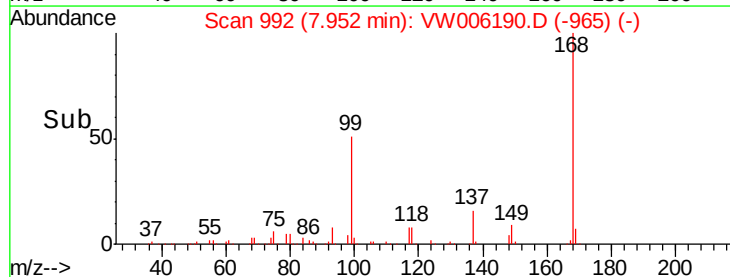
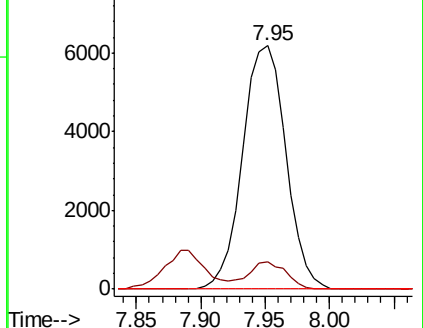
77 0.0 25.0 37.4#

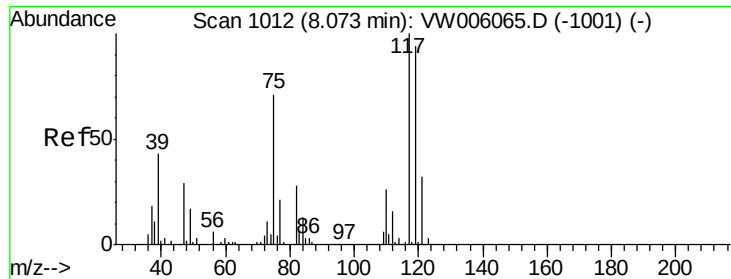


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

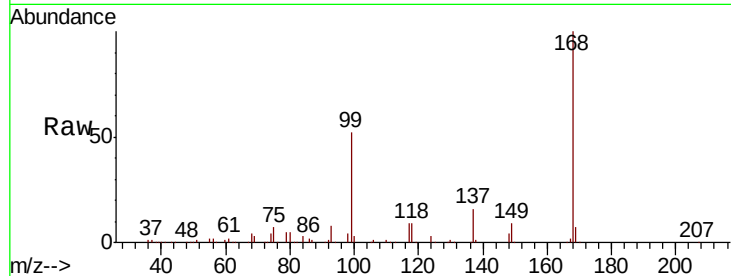




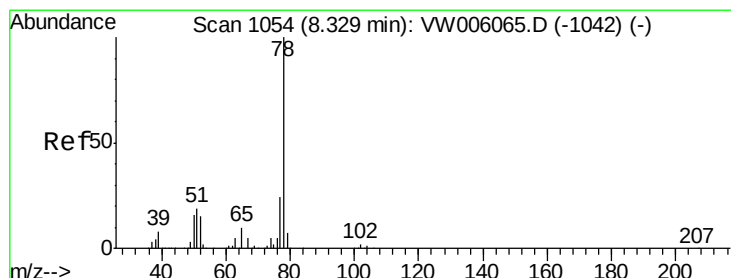
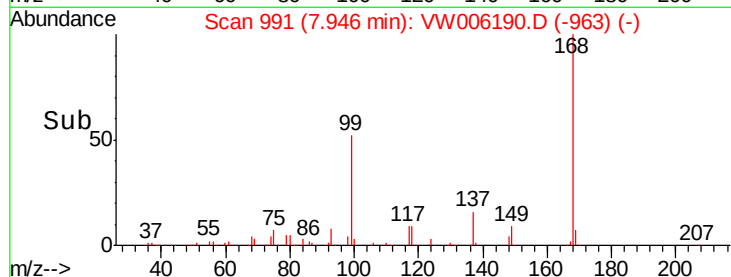
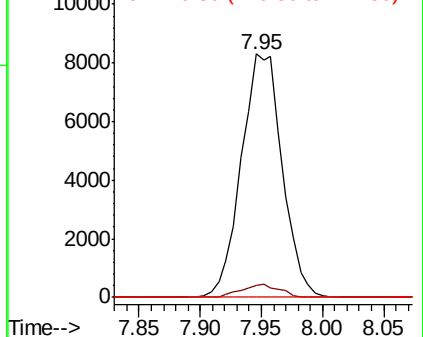
#38
Carbon Tetrachloride
Concen: 5.986 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

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Tot Ion:117 Resp: 19320
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 25.3 37.9#

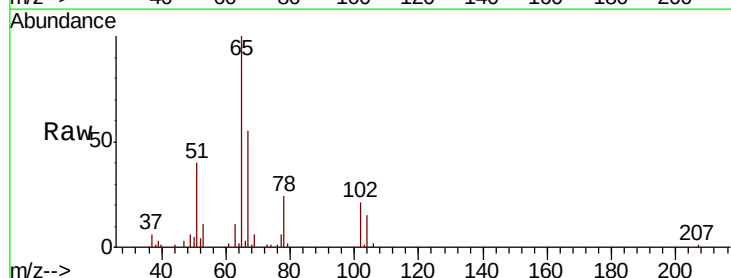


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

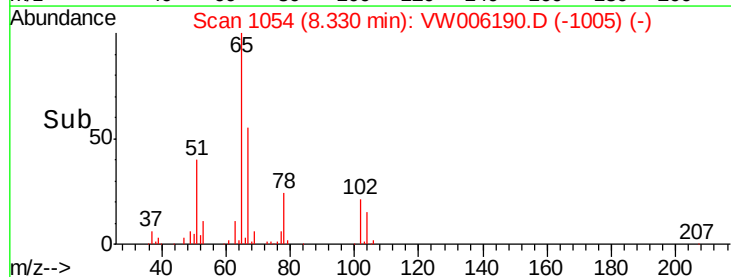
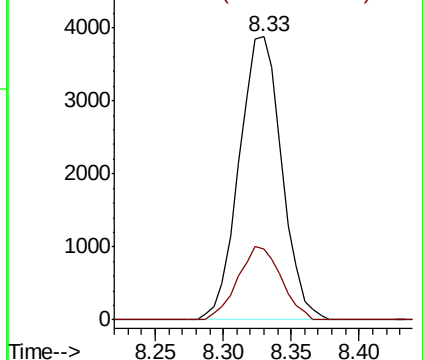


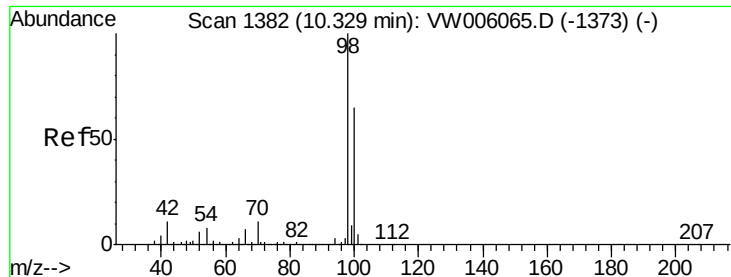
#40
Benzene
Concen: 1.053 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion: 78 Resp: 8503
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

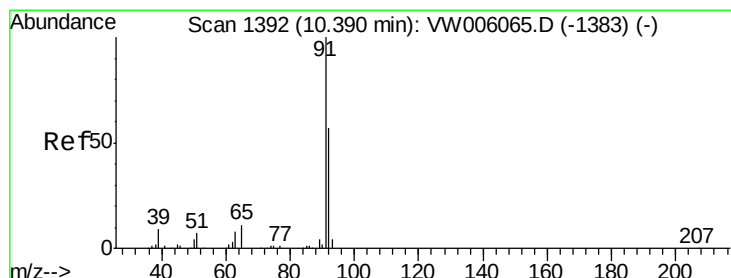
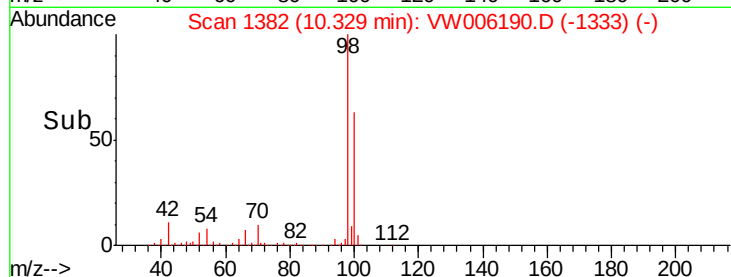
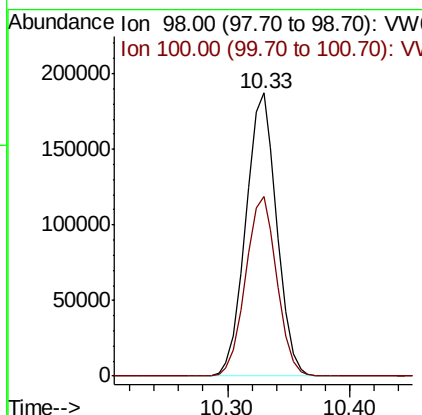
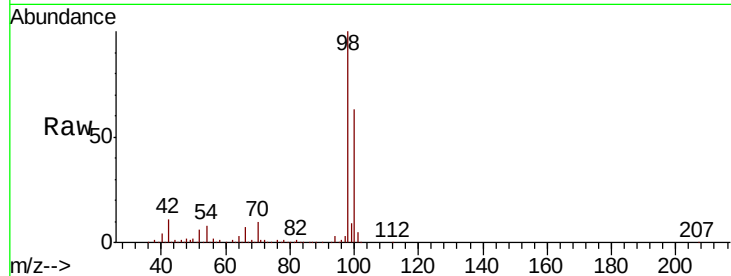




#50
Toluene-d8
Concen: 45.658 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

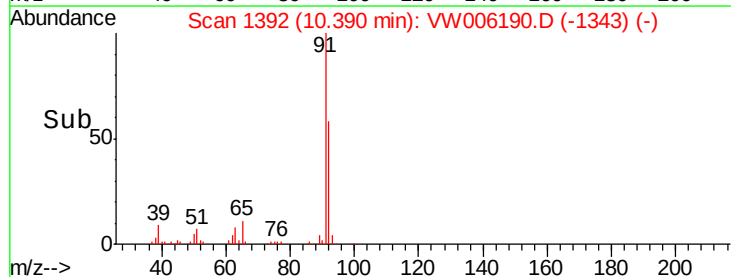
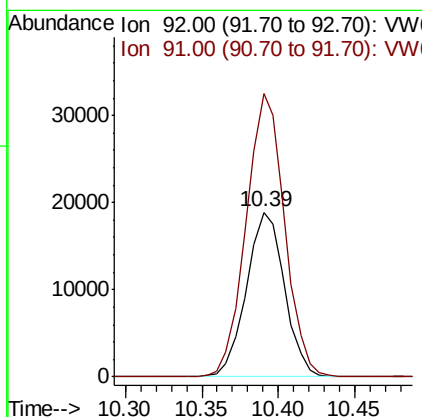
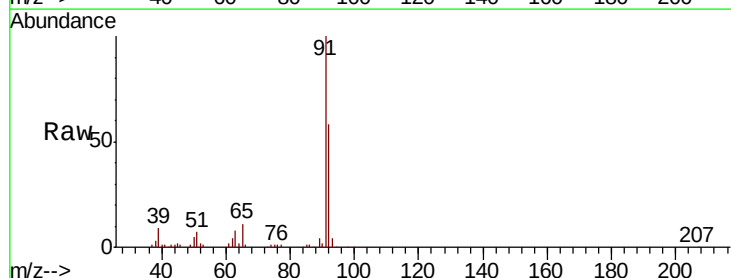
Instrument :
MSVOA_W
ClientSampleId :
7-1-ROLLOFFSRE

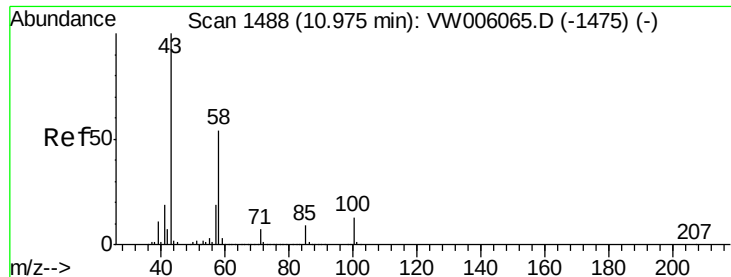
Tot Ion: 98 Resp: 327864
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#52
Toluene
Concen: 6.040 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion: 92 Resp: 32704
Ion Ratio Lower Upper
92 100
91 173.4 140.0 210.0

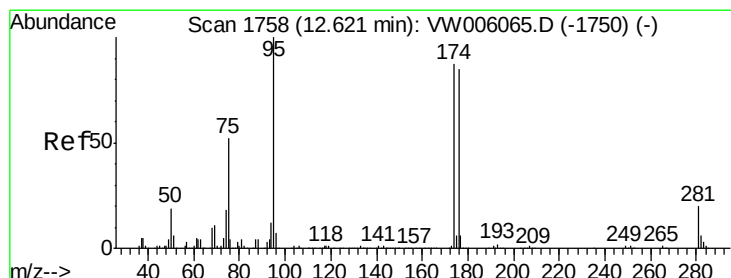
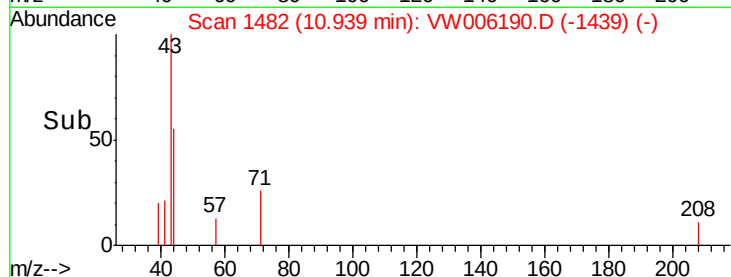
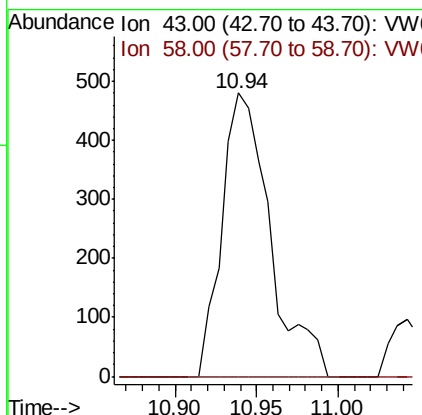
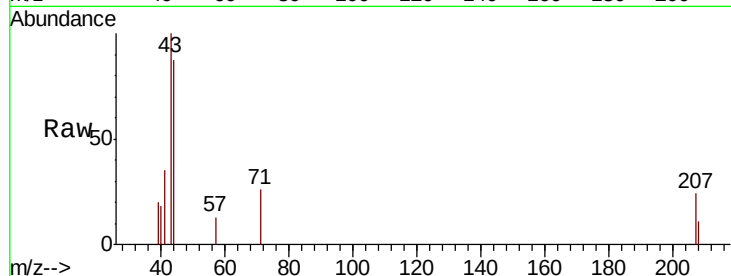




#59
2-Hexanone
Concen: 1.238 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

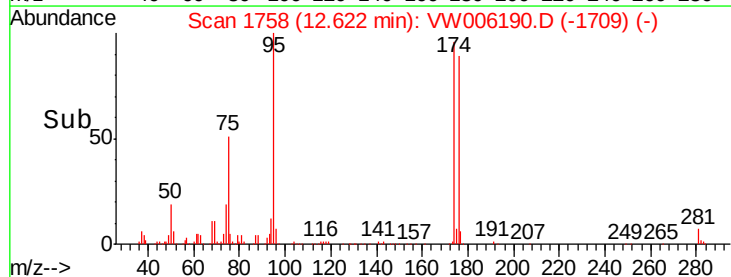
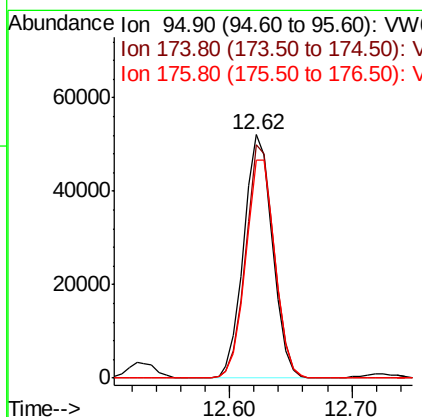
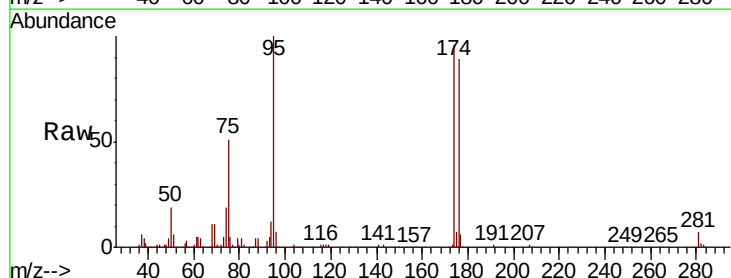
Instrument :
MSVOA_W
ClientSampleId :
7-1-ROLLOFFSRE

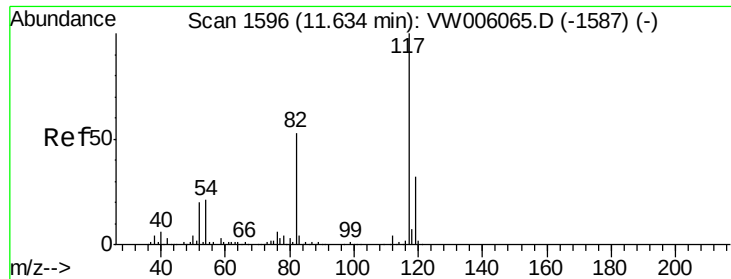
Tot Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 31.664 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion: 95 Resp: 85400
Ion Ratio Lower Upper
95 100
174 94.4 0.0 186.0
176 91.0 0.0 181.6

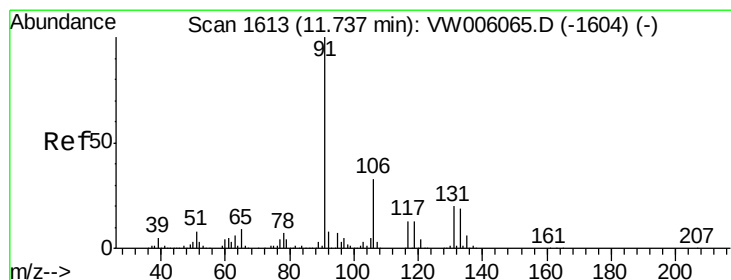
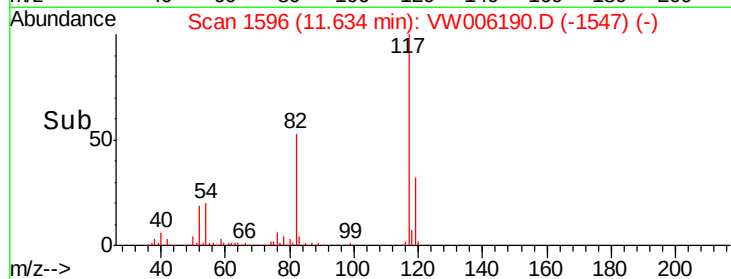
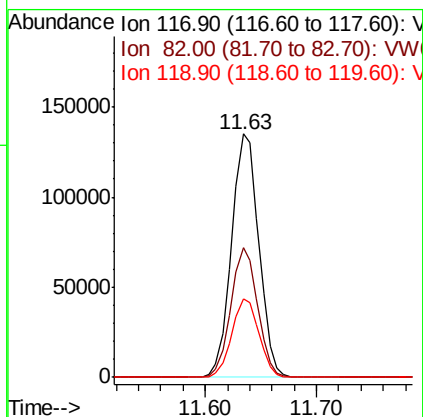
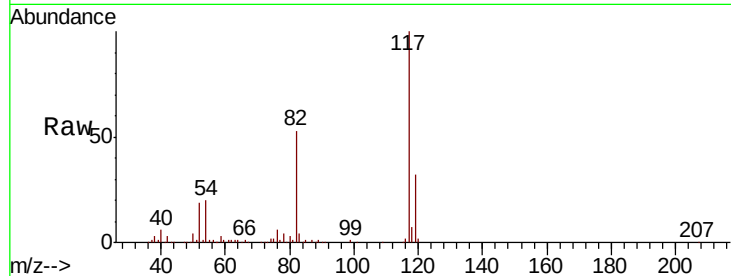




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

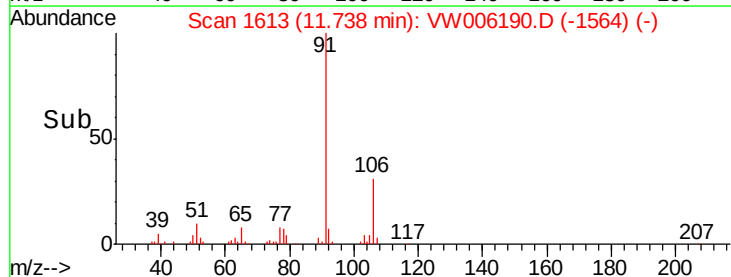
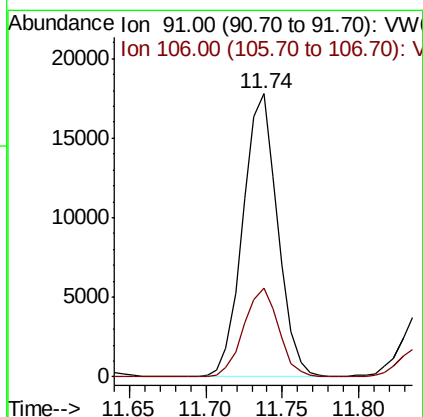
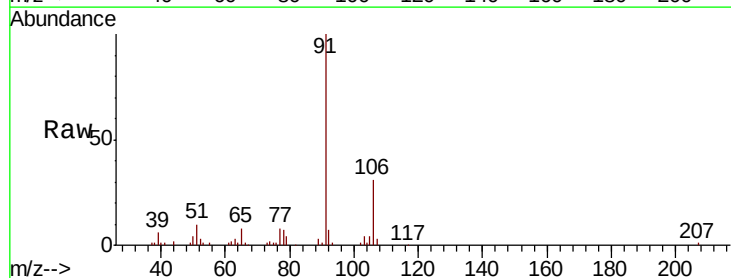
Instrument :
MSVOA_W
ClientSampleId :
7-1-ROLLOFFSRE

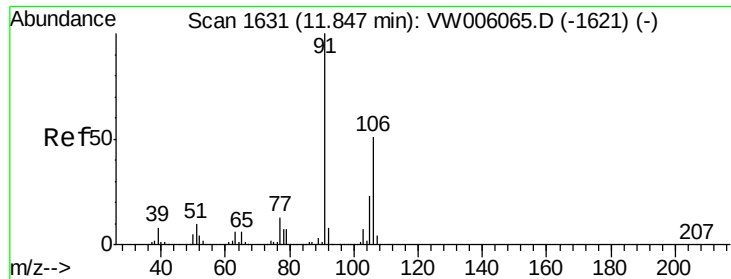
Tot Ion:117 Resp: 229029
Ion Ratio Lower Upper
117 100
82 53.4 42.1 63.1
119 32.5 25.8 38.6



#67
Ethyl Benzene
Concen: 3.301 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion: 91 Resp: 28049
Ion Ratio Lower Upper
91 100
106 31.4 26.1 39.1

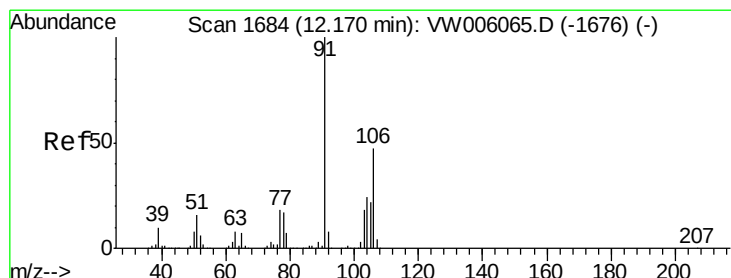
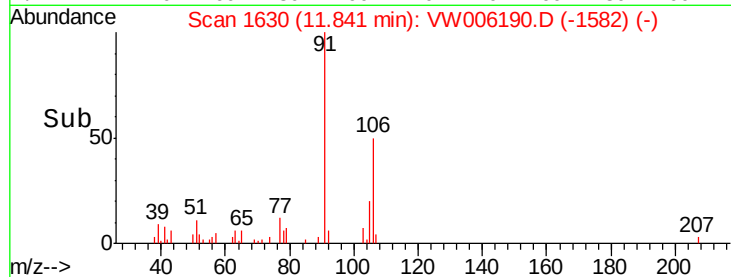
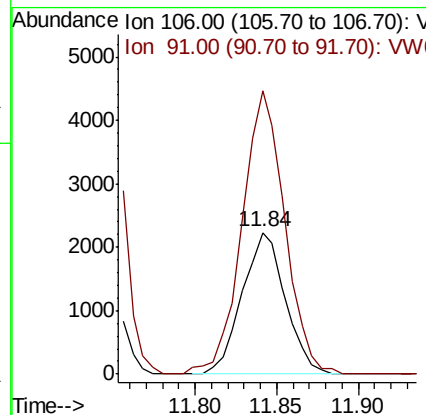
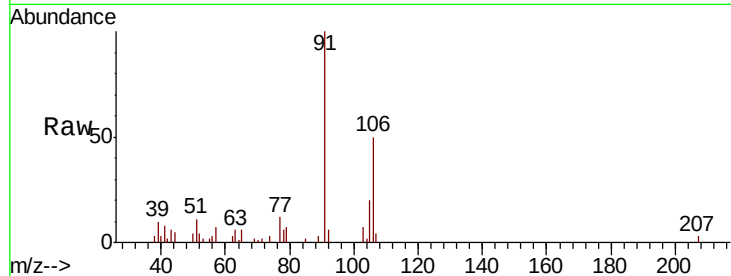




#68
m/p-Xylenes
Concen: 1.226 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

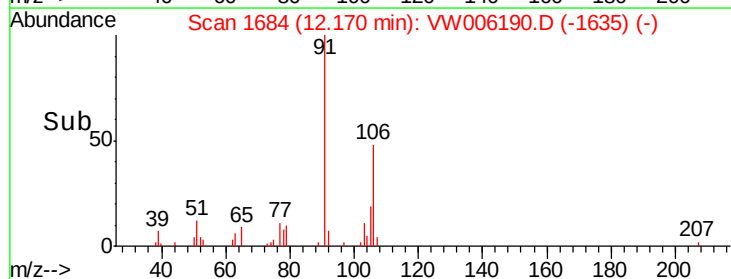
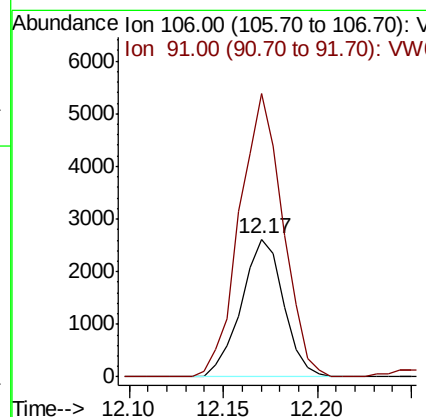
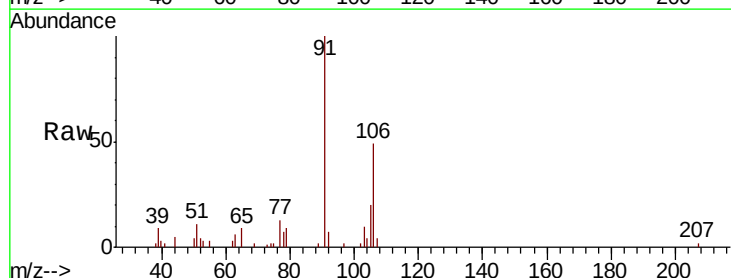
Instrument :
MSVOA_W
ClientSampleId :
7-1-ROLLOFFSRE

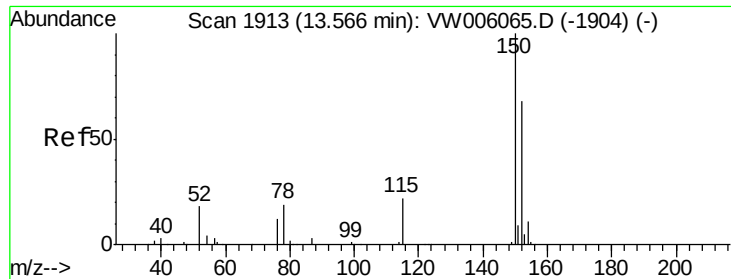
Tot Ion:106 Resp: 4119
Ion Ratio Lower Upper
106 100
91 197.6 159.1 238.7



#69
o-Xylene
Concen: 1.269 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion:106 Resp: 4060
Ion Ratio Lower Upper
106 100
91 211.5 105.4 316.1



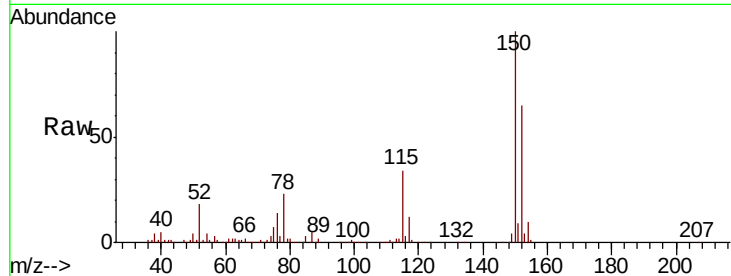


#72

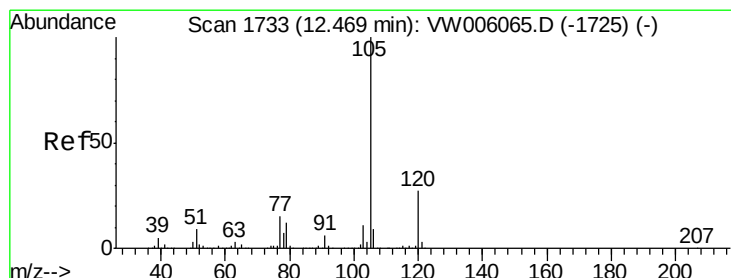
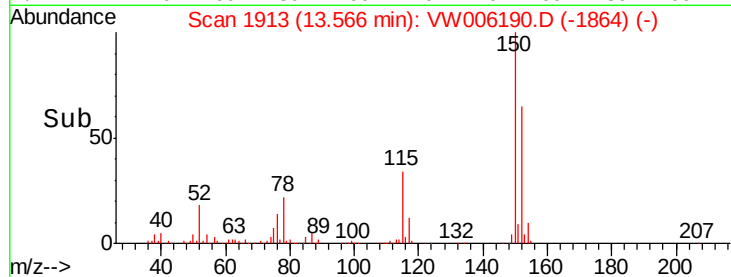
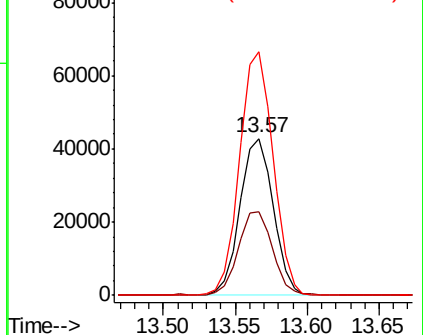
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Instrument :
MSVOA_W
ClientSampleId :
7-1-ROLLOFFSRE

Tot Ion:152 Resp: 68727
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.3
150 156.7 0.0 349.2



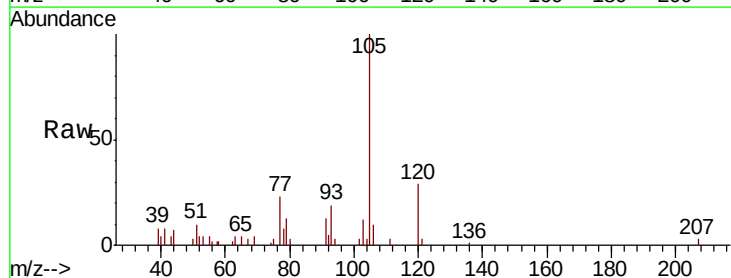
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



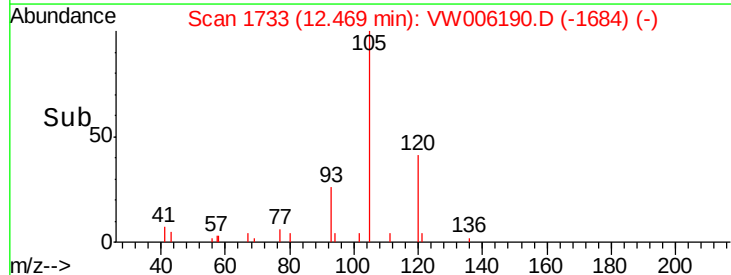
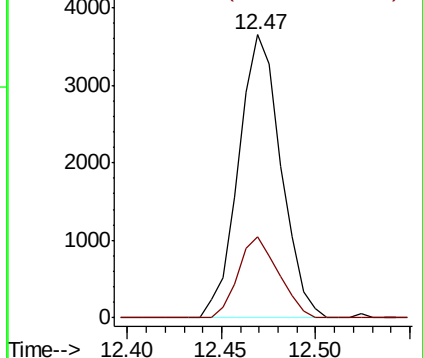
#73

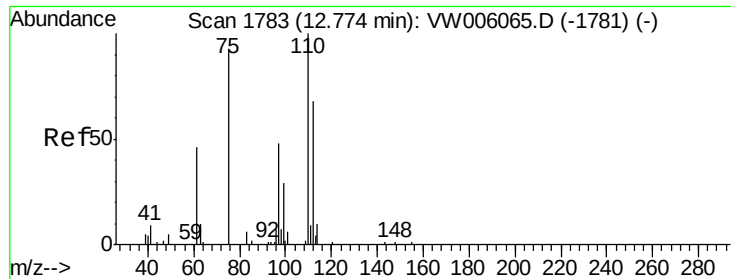
Isopropylbenzene
Concen: 1.176 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006190.D
Acq: 18 Oct 2018 21:28

Tgt Ion:105 Resp: 5710
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 82.787 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

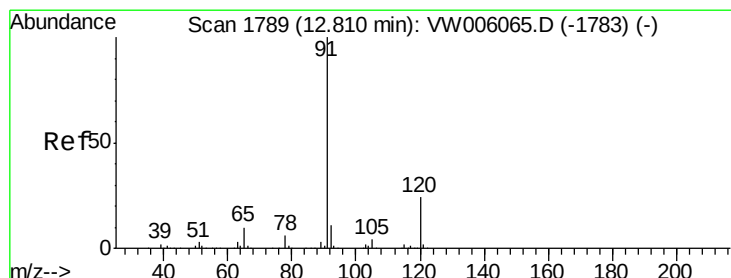
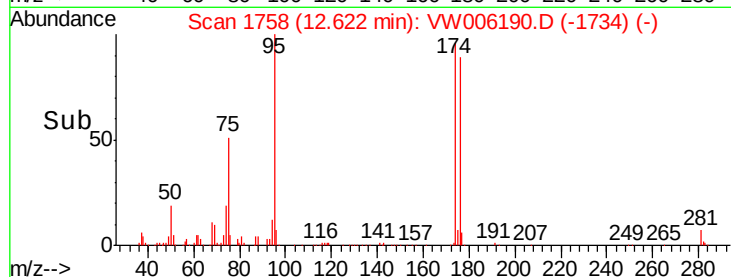
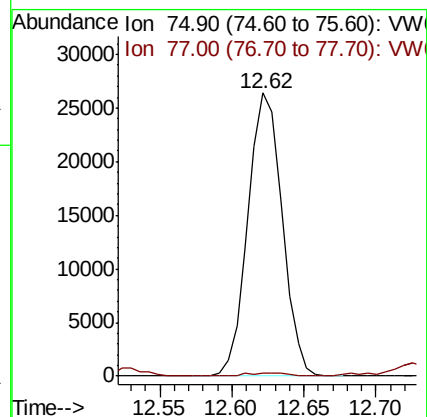
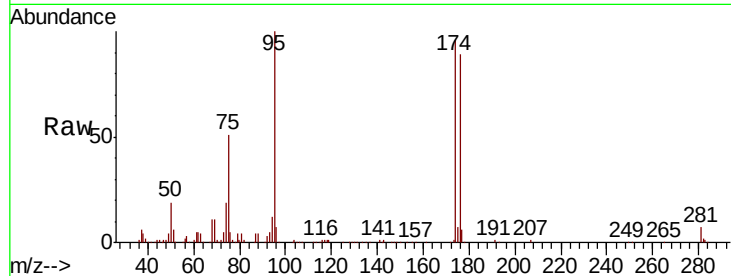
7-1-ROLLOFFSRE

Tot Ion: 75 Resp: 43458

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 1.238 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006190.D

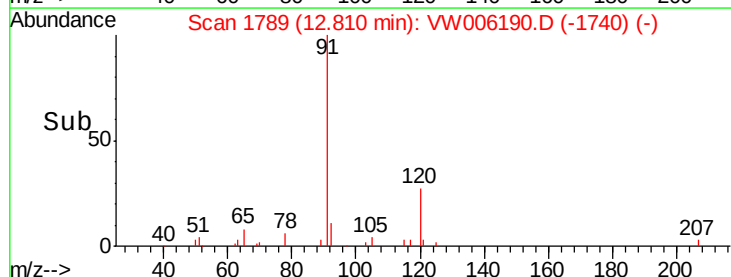
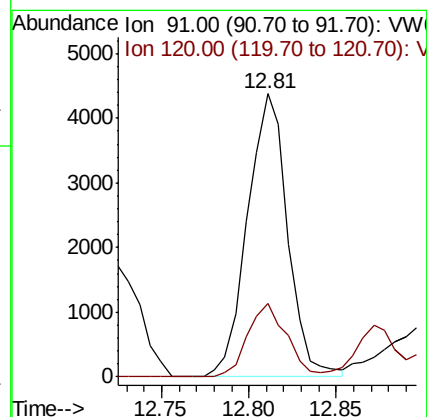
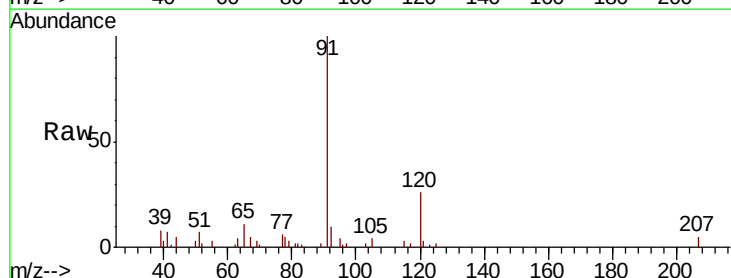
Acq: 18 Oct 2018 21:28

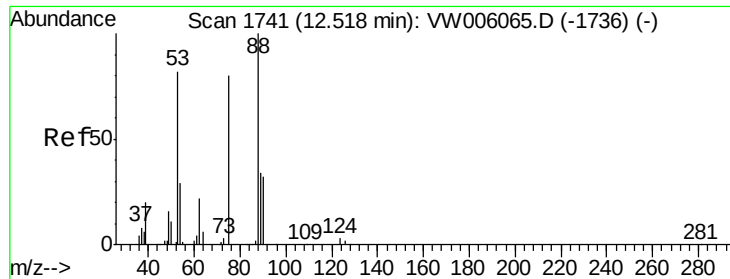
Tgt Ion: 91 Resp: 6991

Ion Ratio Lower Upper

91 100

120 25.1 12.2 36.6





#81

trans-1,4-Dichloro-2-butene

Concen: 197.893 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

7-1-ROLLOFFSRE

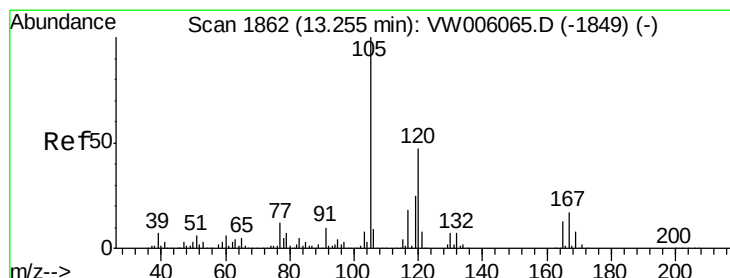
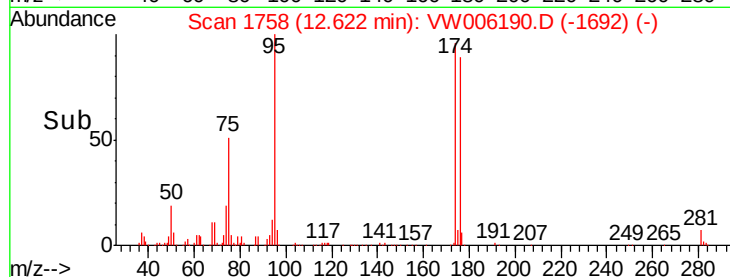
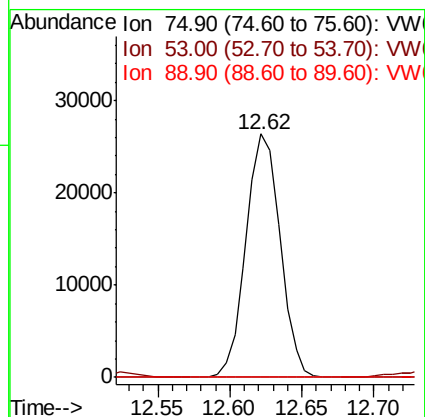
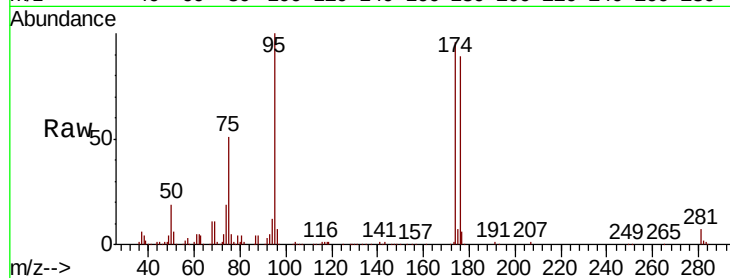
Tot Ion: 75 Resp: 43458

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



#84

1,2,4-Trimethylbenzene

Concen: 2.024 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006190.D

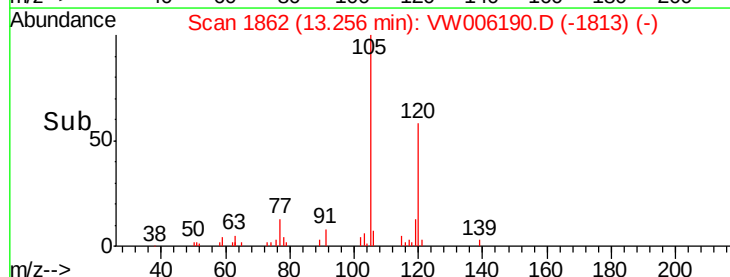
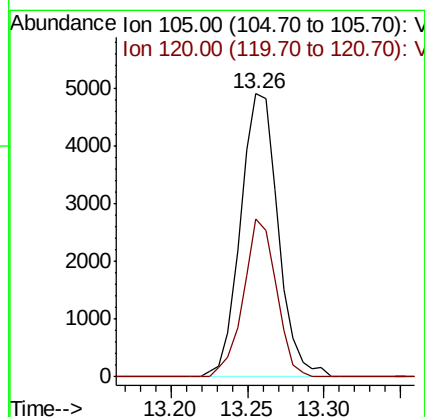
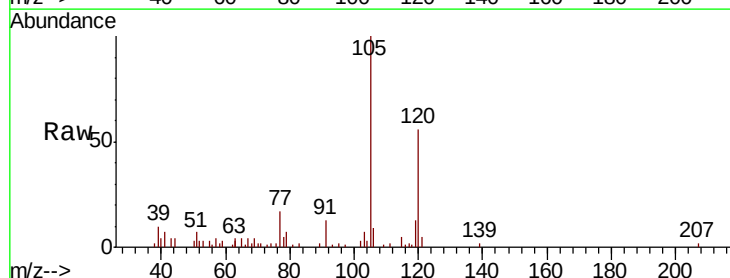
Acq: 18 Oct 2018 21:28

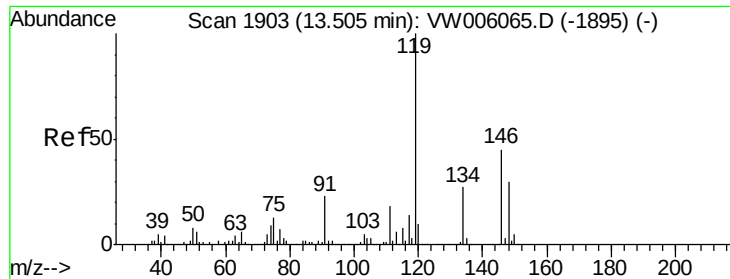
Tgt Ion: 105 Resp: 8385

Ion Ratio Lower Upper

105 100

120 48.9 23.1 69.3

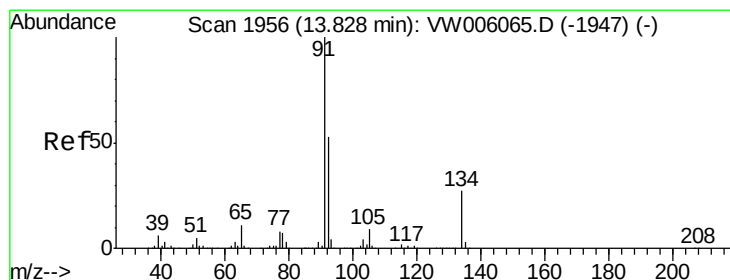
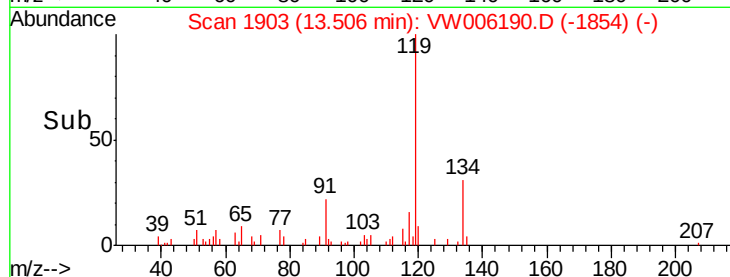
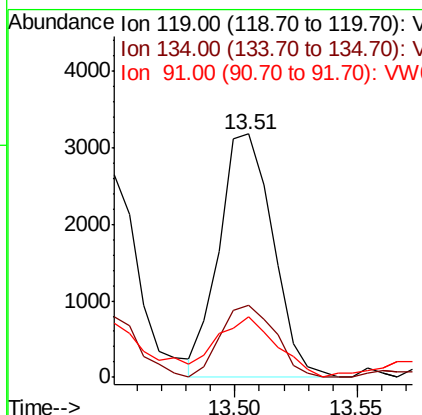
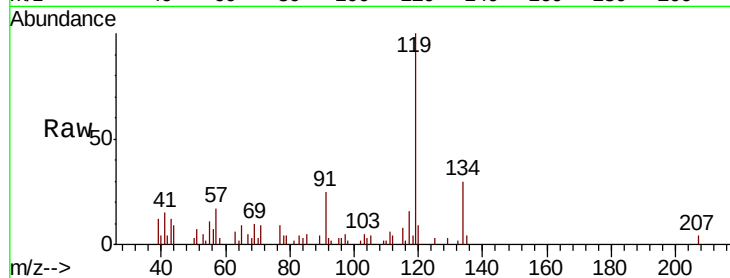




#86
 p-Isopropyltoluene
 Concen: 1.041 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006190.D
 Acq: 18 Oct 2018 21:28

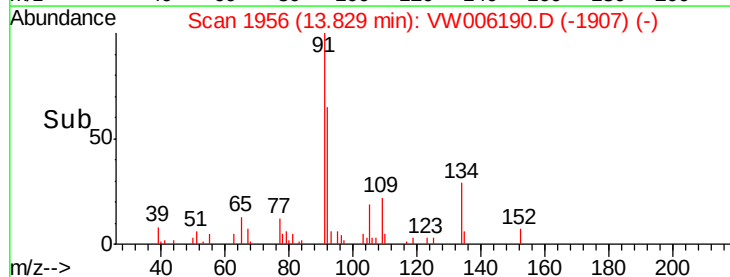
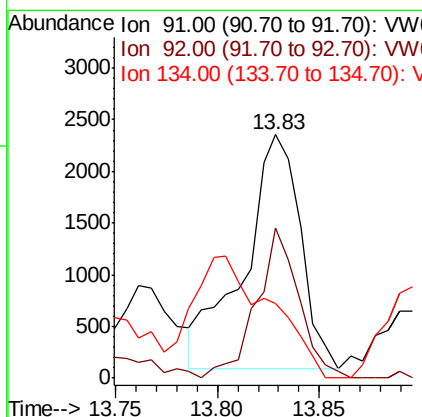
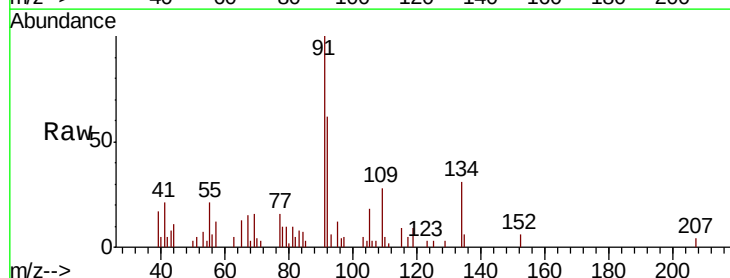
Instrument :
 MSVOA_W
 ClientSampleId :
 7-1-ROLLOFFSRE

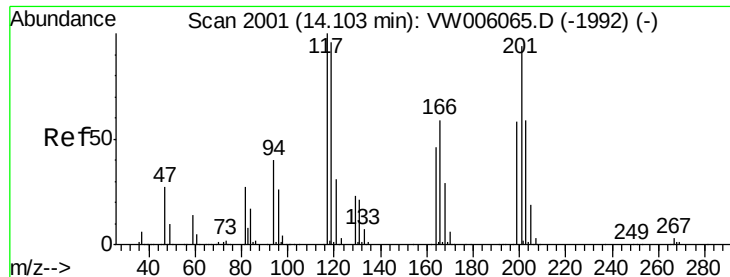
Tot Ion: 119 Resp: 4871
 Ion Ratio Lower Upper
 119 100
 134 30.0 13.4 40.2
 91 27.8 11.4 34.1



#89
 n-Butylbenzene
 Concen: 1.021 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW006190.D
 Acq: 18 Oct 2018 21:28

Tgt Ion: 91 Resp: 4368
 Ion Ratio Lower Upper
 91 100
 92 47.9 26.6 79.7
 134 0.0 14.0 41.9#





#90

Hexachloroethane

Concen: 2.459 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

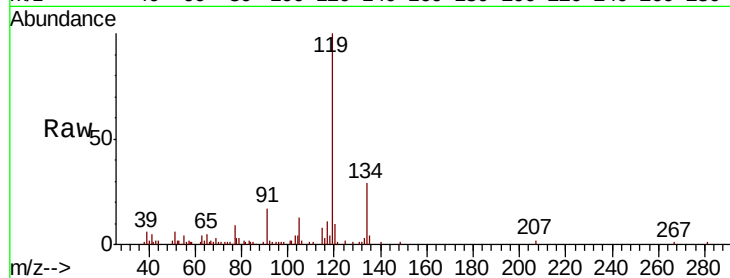
7-1-ROLLOFFSRE

Tot Ion:117 Resp: 1949

Ion Ratio Lower Upper

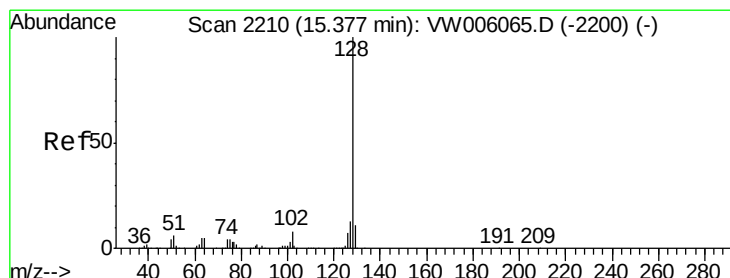
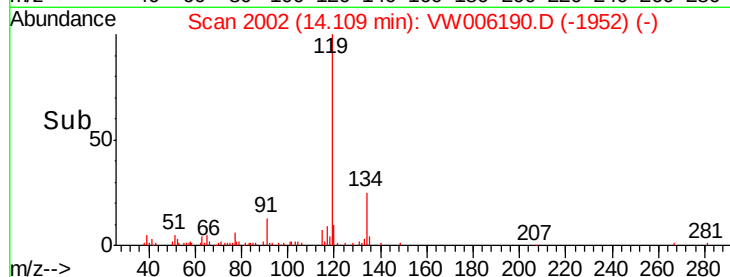
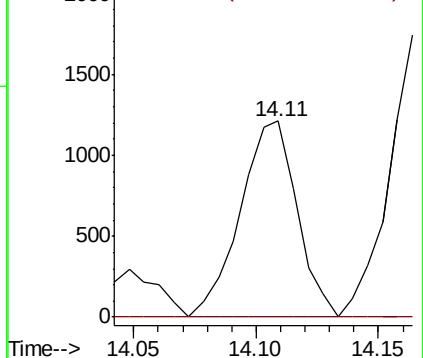
117 100

201 0.0 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 7.143 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006190.D

Acq: 18 Oct 2018 21:28

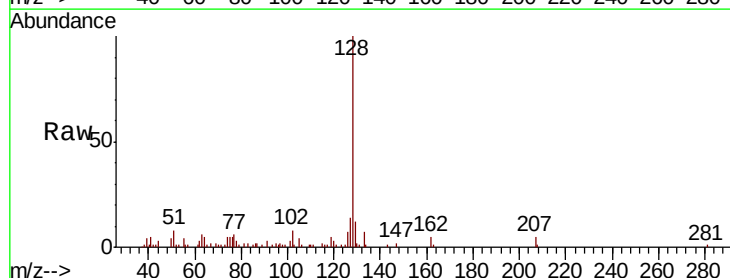
Tgt Ion:128 Resp: 19302

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 13.5 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

