

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011461.D
 Acq On : 24 Jul 2019 04:50
 Operator : SY/VA
 Sample : K3615-05
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

Quant Time: Jul 24 06:43:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	421693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97824	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	165061	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
35) Dibromofluoromethane	7.88	113	128365	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	480530	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	191933	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6111	26.736	ug/l #	72
16) Acetone	4.13	43	13853	18.649	ug/l	98
20) Methylene Chloride	4.92	84	11475	3.916	ug/l	93
25) 2-Butanone	7.14	43	3741	3.208	ug/l #	83
26) 2,2-Dichloropropane	7.13	77	3332	1.140	ug/l #	63
29) Tetrahydrofuran	7.54	42	1339	1.751	ug/l #	69
31) Cyclohexane	7.95	56	6336	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20806	4.633	ug/l #	55
37) Ethyl Acetate	7.14	43	3741	1.387	ug/l #	82
38) Carbon Tetrachloride	7.95	117	25212	6.623	ug/l #	15
39) Methylcyclohexane	9.34	83	19150	3.518	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	4962	1.865	ug/l	95
52) Toluene	10.38	92	128942	17.128	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	89697	40.050	ug/l #	19
56) Ethyl methacrylate	10.66	69	22235	6.521	ug/l #	34
59) 2-Hexanone	10.93	43	151054	81.856	ug/l #	34
60) Dibromochloromethane	11.05	129	7209	2.935	ug/l #	21
67) Ethyl Benzene	11.73	91	994221	92.301	ug/l	99
68) m/p-Xylenes	11.83	106	1670141	428.505	ug/l	99
69) o-Xylene	12.16	106	1708963	465.207	ug/l	100
70) Styrene	12.16	104	90227	14.232	ug/l #	1
71) Bromoform	12.31	173	4963	4.712	ug/l #	40
73) Isopropylbenzene	12.46	105	465832	63.702	ug/l	99
74) N-aryl acetate	12.26	43	1176603	461.987	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.66	83	27595	18.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.80	75	13326	11.788	ug/l #	100
78) n-propylbenzene	12.80	91	2245346	249.255	ug/l	99
79) 2-Chlorotoluene	12.87	91	1017461	196.277	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	6510416	1047.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.46	75	5646	11.296	ug/l #	1
82) 4-Chlorotoluene	12.94	91	725622	134.393	ug/l #	47
83) tert-Butylbenzene	13.21	119	48380	9.338	ug/l	85
84) 1,2,4-Trimethylbenzene	13.26	105	11669314	1870.652	ug/l	94
85) sec-Butylbenzene	13.38	105	644948	86.267	ug/l #	68

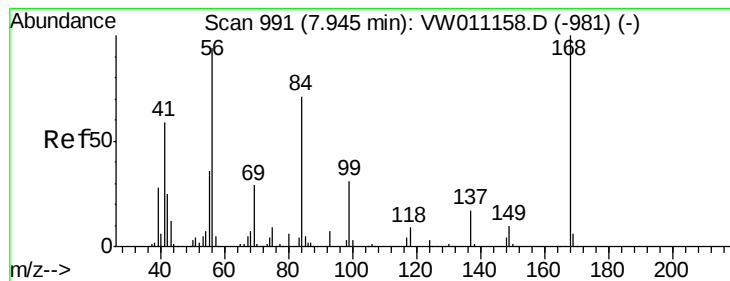
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.50	119	640037	95.449	uq/l	100
89) n-Butylbenzene	13.83	91	1262463	188.729	uq/l #	79
90) Hexachloroethane	14.10	117	258816	211.219	uq/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5368	20.189	uq/l #	40
93) 1,2,4-Trichlorobenzene	15.18	180	7901	4.005	uq/l #	1
95) Naphthalene	15.37	128	231629	61.264	uq/l #	91
96) 1,2,3-Trichlorobenzene	15.58	180	10376	5.959	uq/l #	33

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

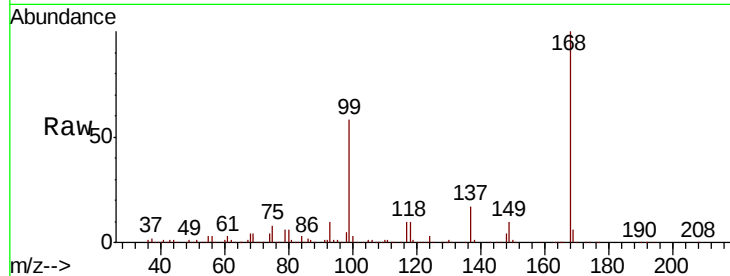
HR-06-071719-C

Tot Ion:168 Resp: 245696

Ion Ratio Lower Upper

168 100

99 57.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

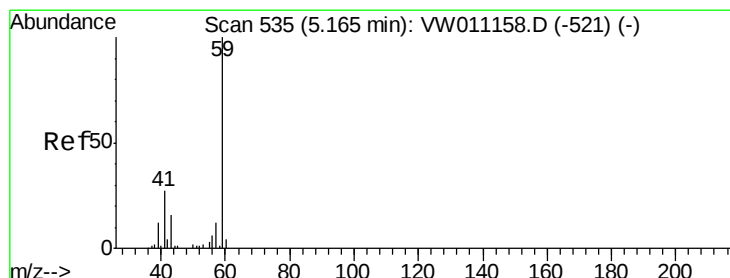
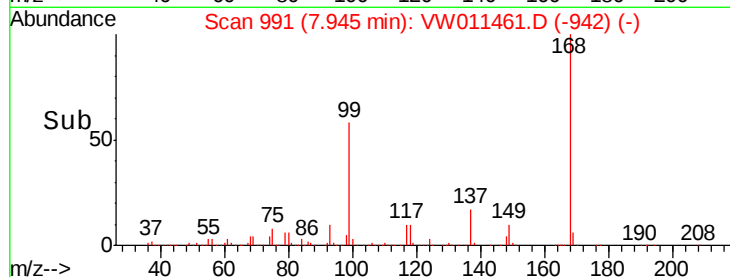
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 26.736 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011461.D

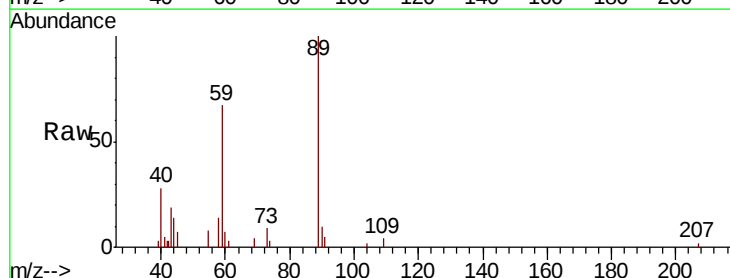
Acq: 24 Jul 2019 04:50

Tgt Ion: 59 Resp: 6111

Ion Ratio Lower Upper

59 100

57 0.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

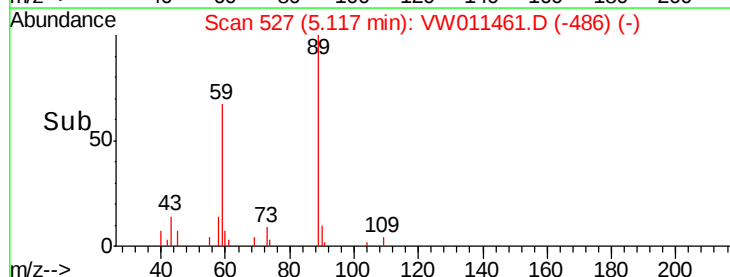
1500

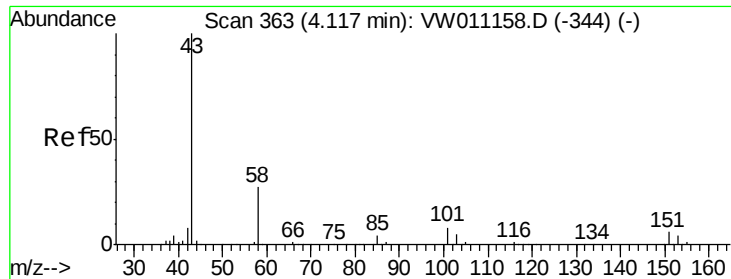
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 18.649 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

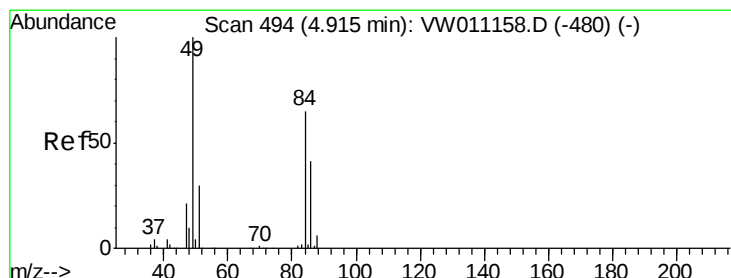
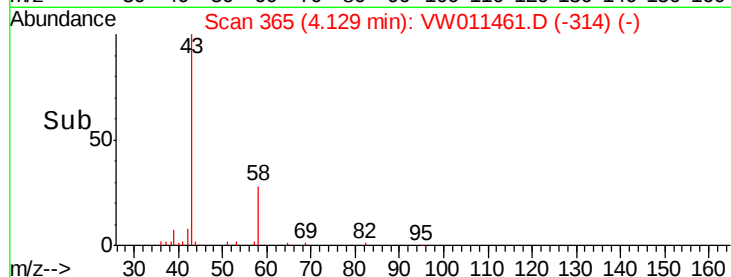
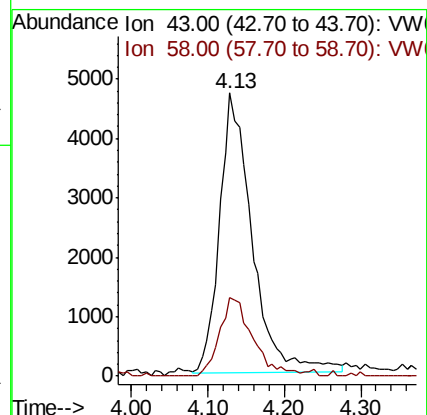
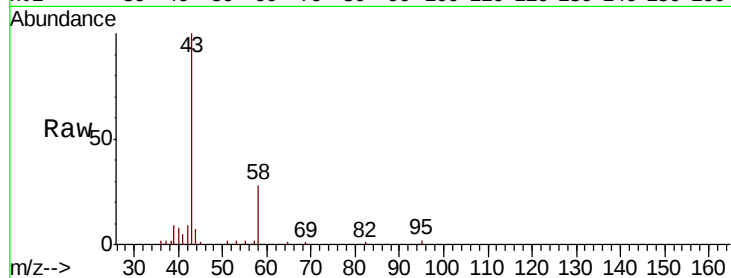
HR-06-071719-C

Tot Ion: 43 Resp: 13853

Ion Ratio Lower Upper

43 100

58 28.0 21.8 32.6



#20

Methylene Chloride

Concen: 3.916 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Tgt Ion: 84 Resp: 11475

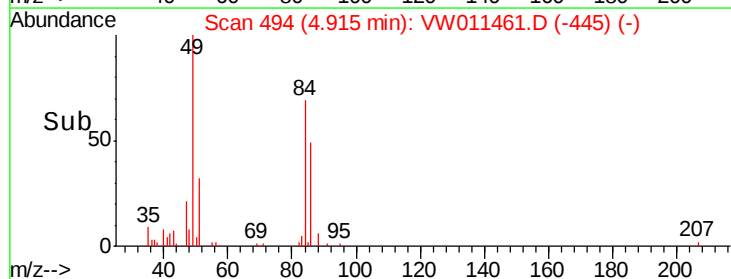
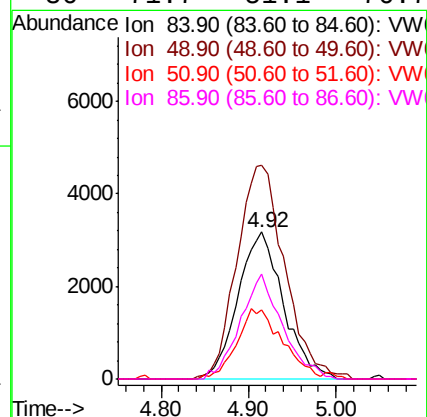
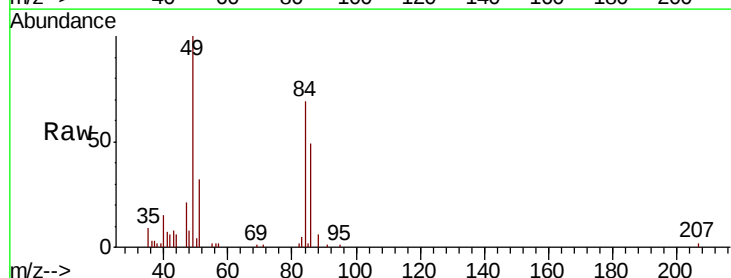
Ion Ratio Lower Upper

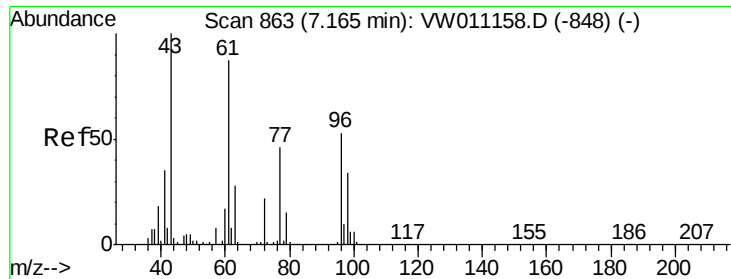
84 100

49 145.1 123.8 185.6

51 46.7 37.4 56.2

86 71.7 51.1 76.7





#25

2-Butanone

Concen: 3.208 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

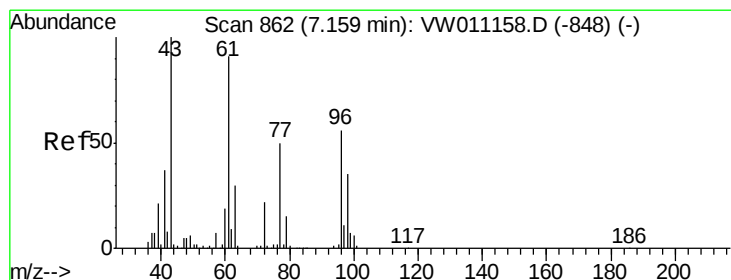
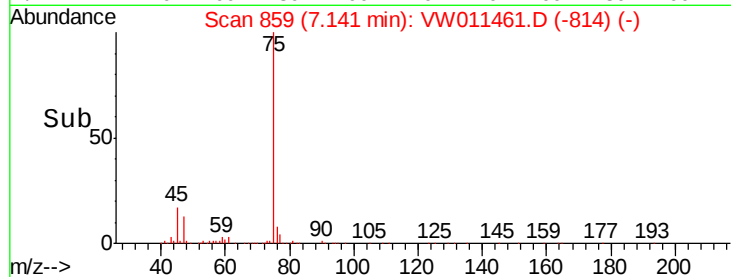
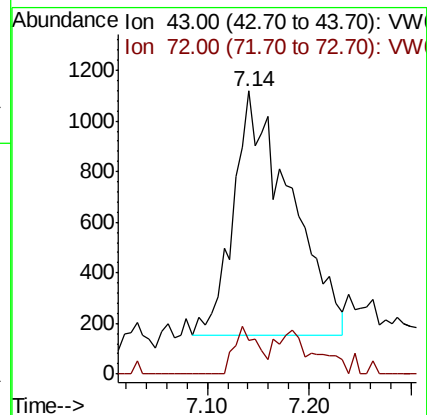
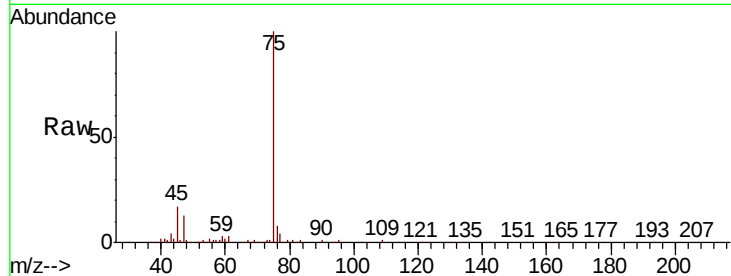
HR-06-071719-C

Tot Ion: 43 Resp: 3741

Ion Ratio Lower Upper

43 100

72 13.8 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.140 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011461.D

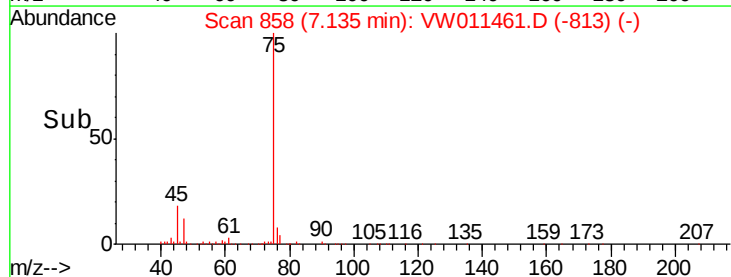
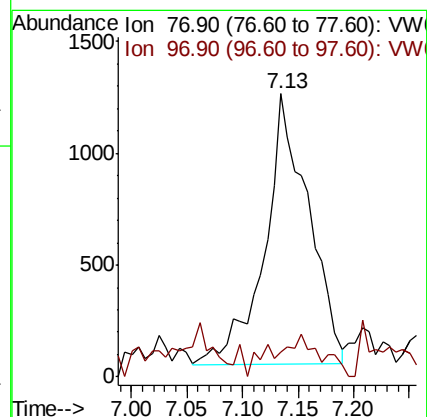
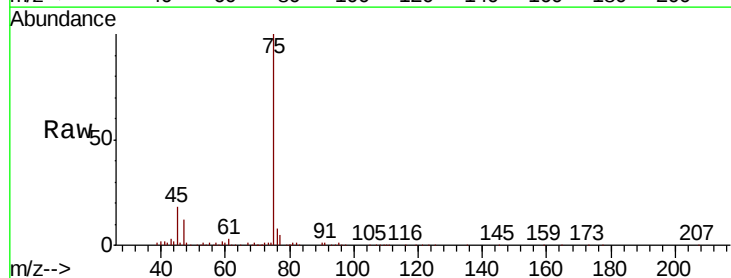
Acq: 24 Jul 2019 04:50

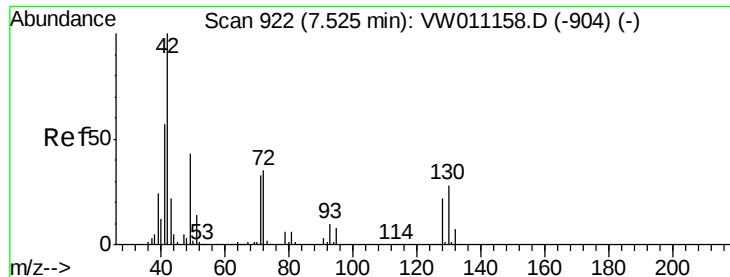
Tgt Ion: 77 Resp: 3332

Ion Ratio Lower Upper

77 100

97 4.6 11.2 33.5#

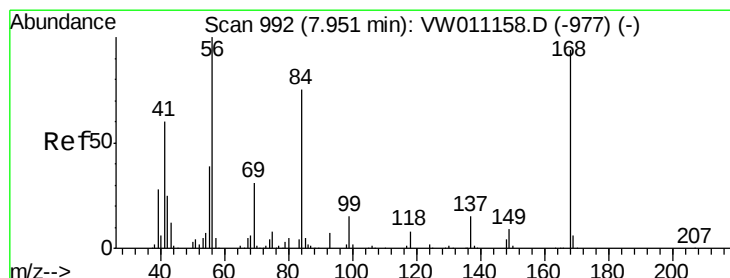
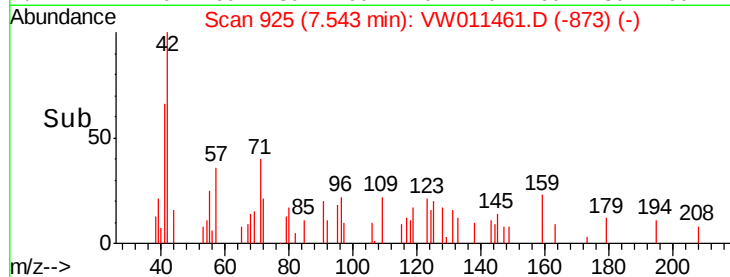
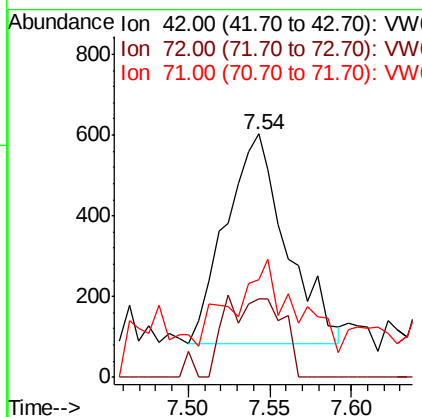
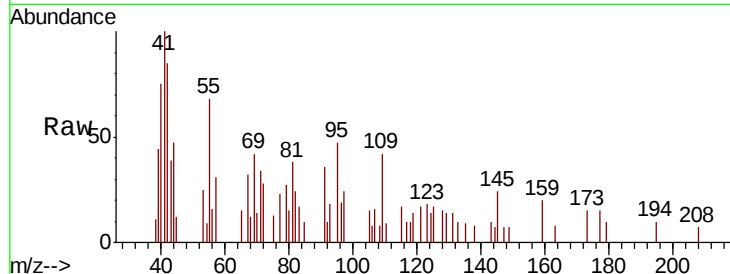




#29
Tetrahydrofuran
Concen: 1.751 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

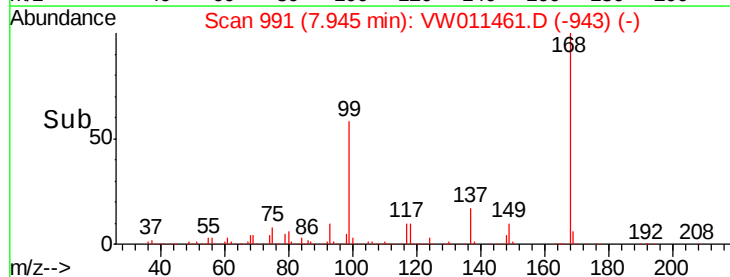
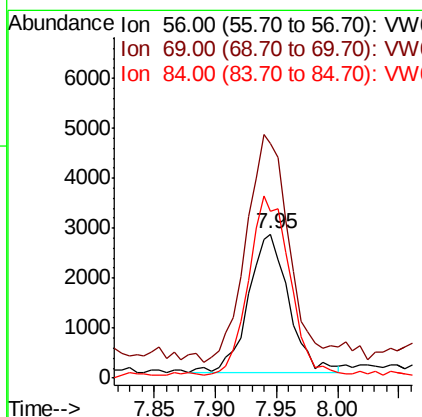
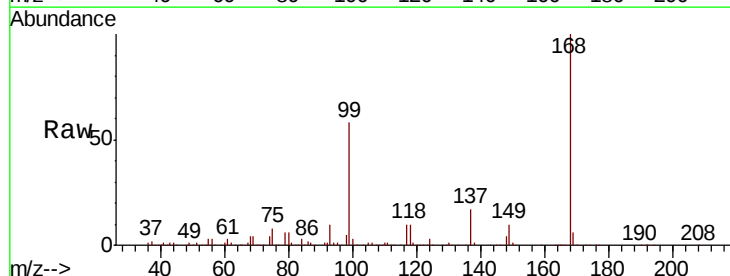
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

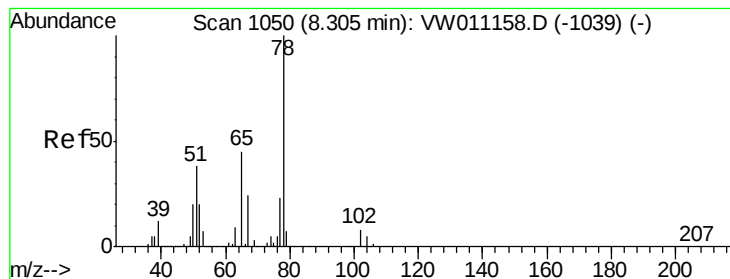
Tot Ion: 42 Resp: 1339
Ion Ratio Lower Upper
42 100
72 0.0 27.4 41.2#
71 32.6 25.9 38.9



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 56 Resp: 6336
Ion Ratio Lower Upper
56 100
69 152.8 24.6 36.8#
84 116.9 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 53.465 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

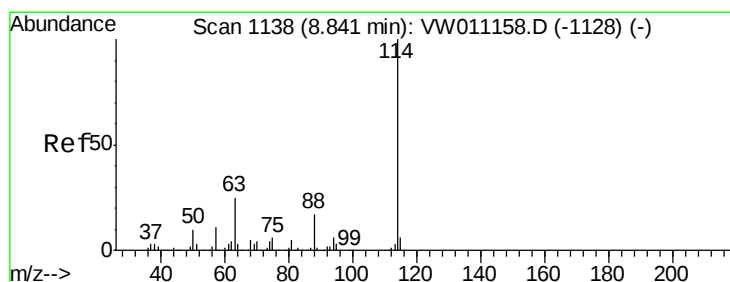
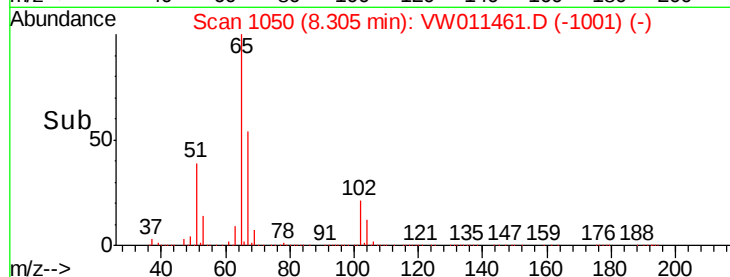
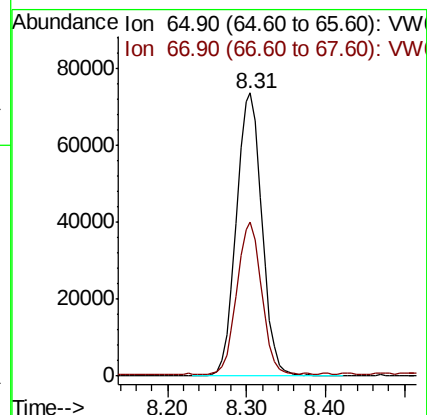
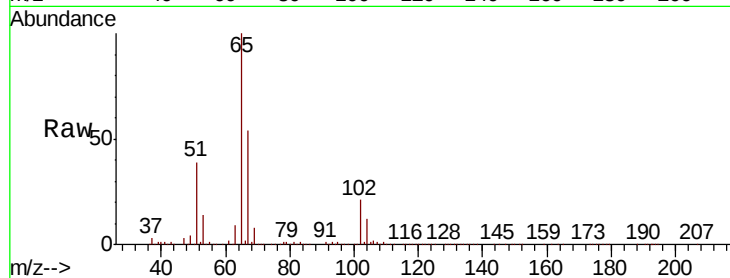
HR-06-071719-C

Tot Ion: 65 Resp: 165061

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

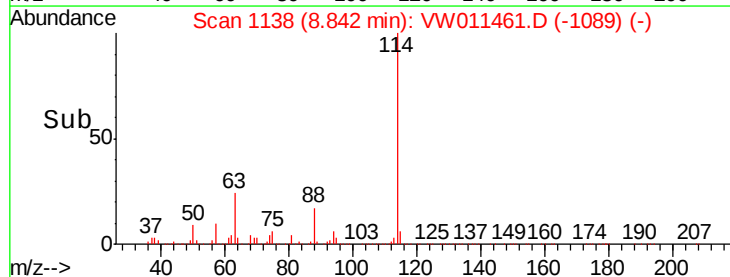
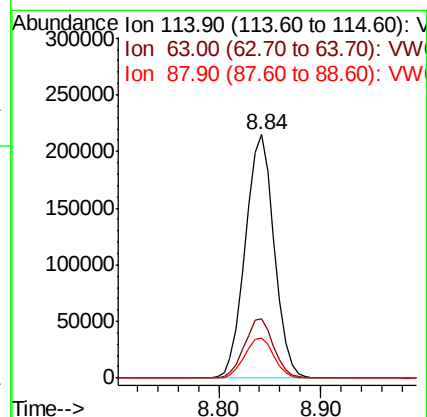
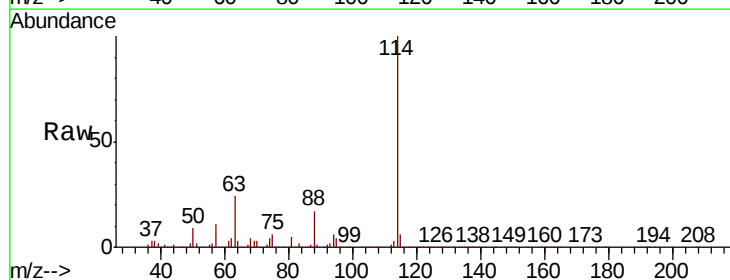
Tgt Ion: 114 Resp: 421693

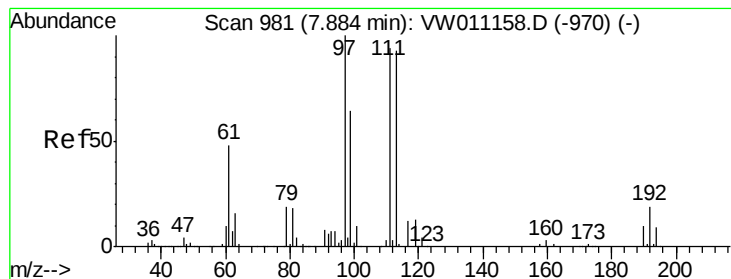
Ion Ratio Lower Upper

114 100

63 24.4 0.0 50.8

88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.071 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

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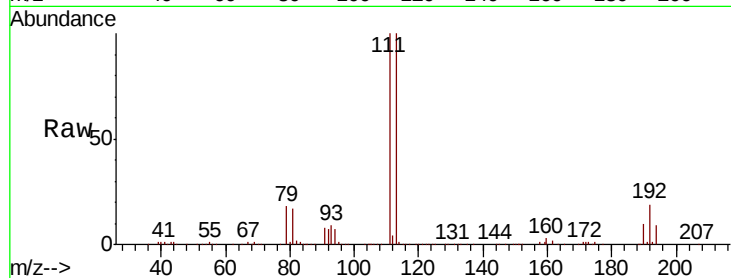
Tot Ion:113 Resp: 128365

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

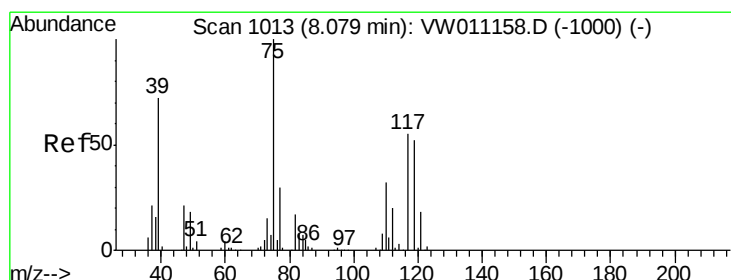
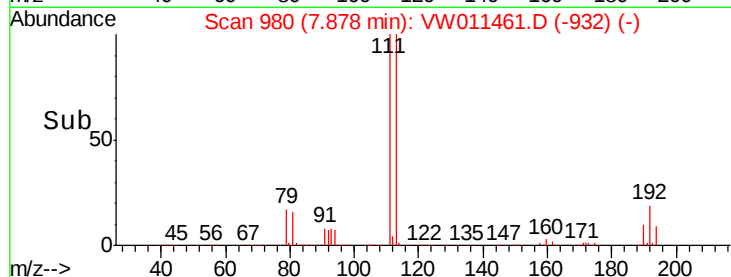
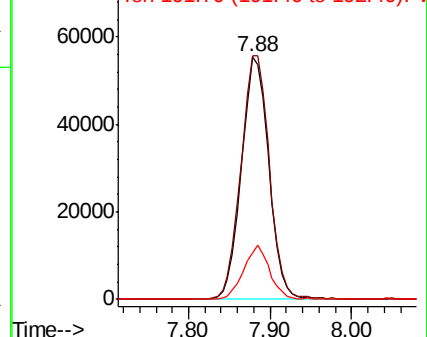
192 21.4 15.8 23.8



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: 4.633 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

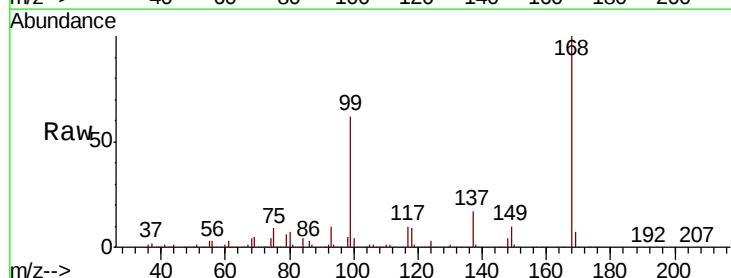
Tgt Ion: 75 Resp: 20806

Ion Ratio Lower Upper

75 100

110 11.4 15.9 47.6#

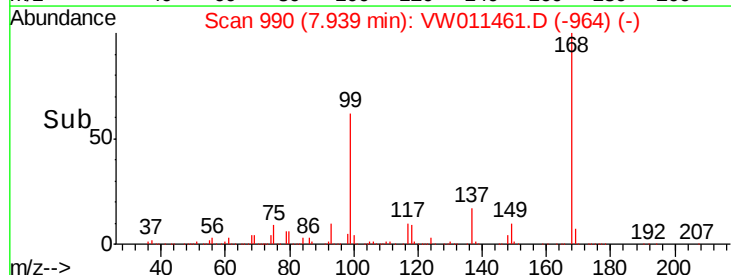
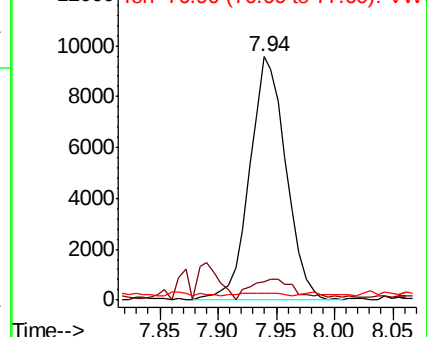
77 1.7 24.6 36.8#

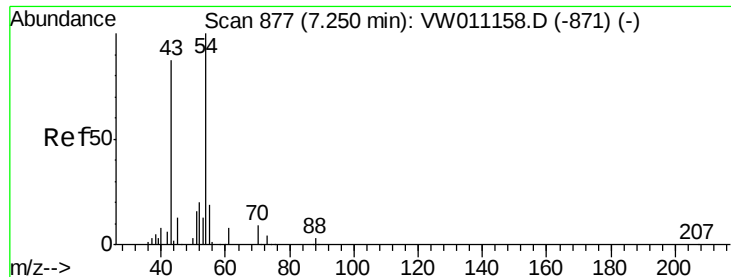


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

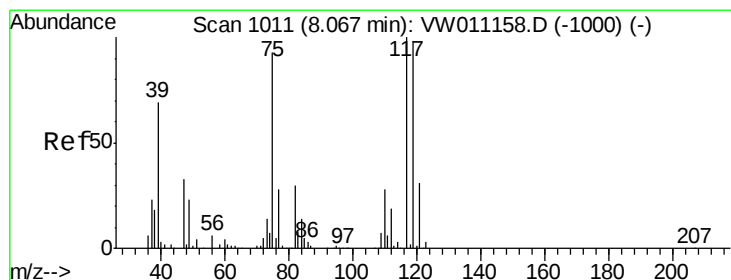
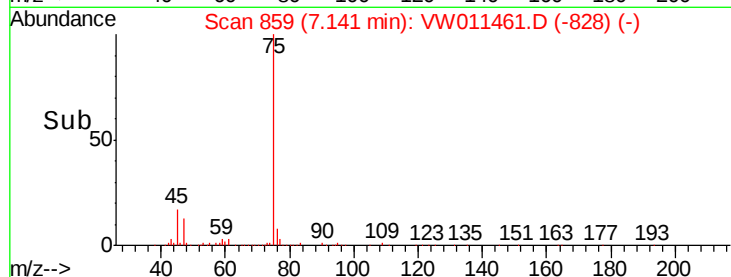
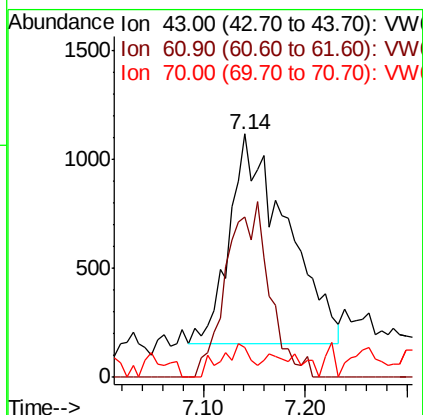
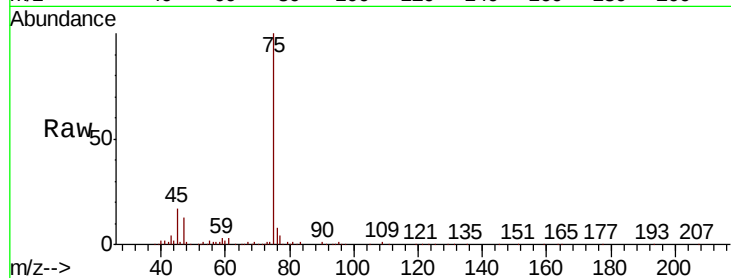




#37
Ethyl Acetate
Concen: 1.387 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

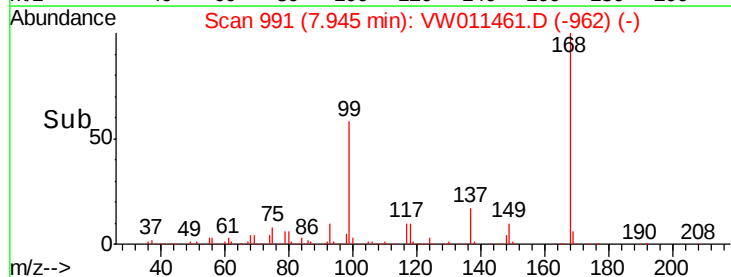
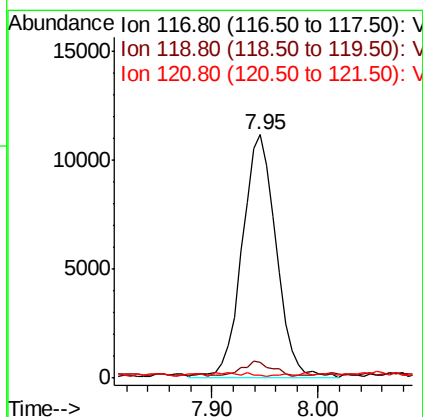
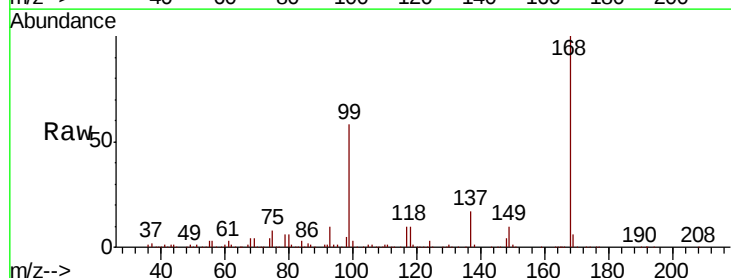
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

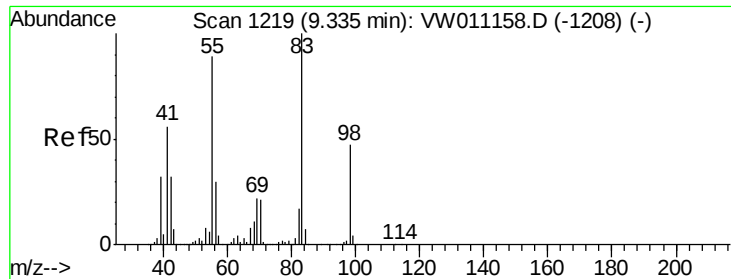
Tot Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 8.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 117 Resp: 25212
Ion Ratio Lower Upper
117 100
119 5.0 78.1 117.1#
121 0.1 25.1 37.7#

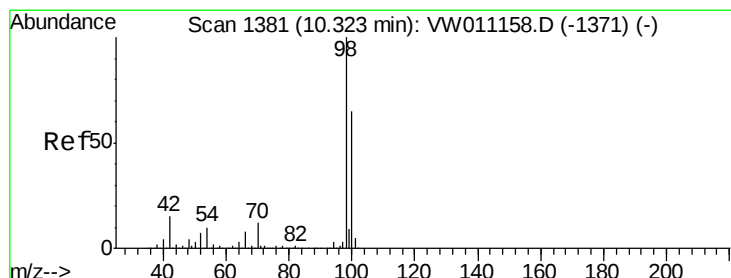
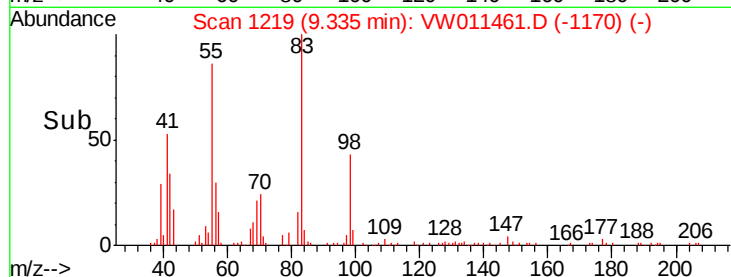
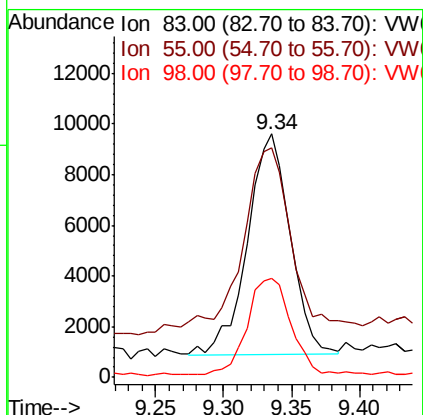
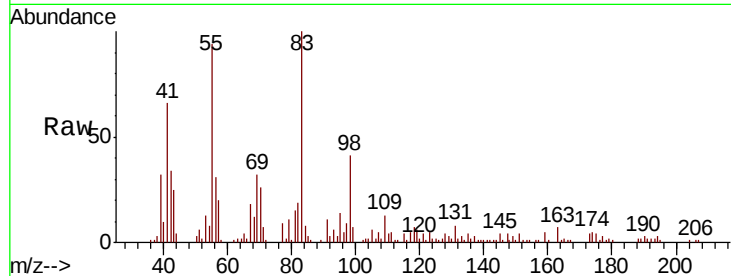




#39
Methylcyclohexane
Concen: 3.518 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

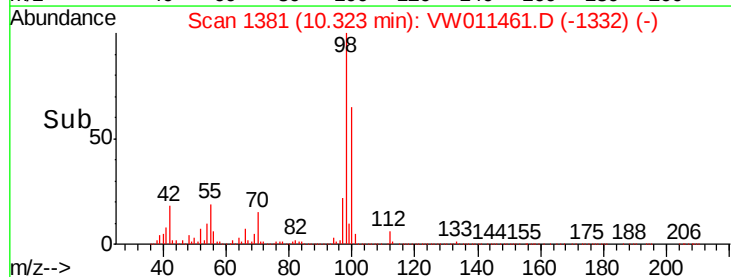
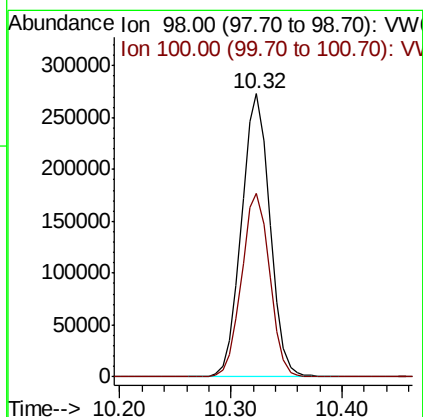
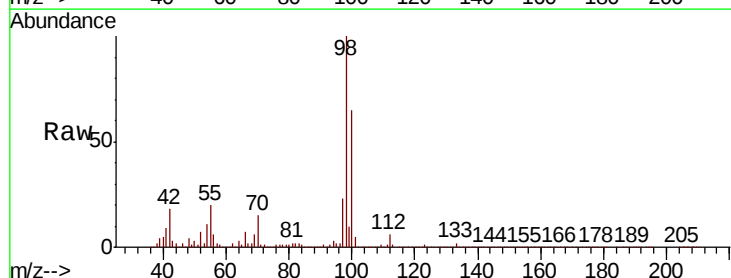
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

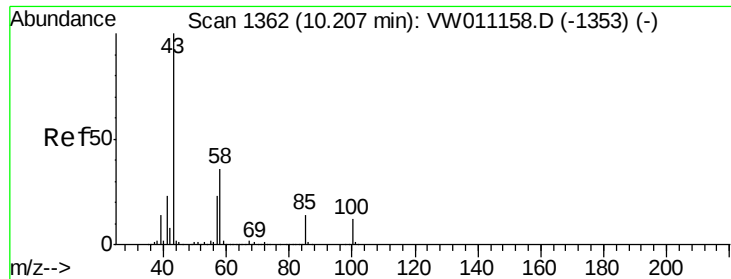
Tot Ion: 83 Resp: 19150
Ion Ratio Lower Upper
83 100
55 78.9 71.2 106.8
98 43.6 37.5 56.3



#50
Toluene-d8
Concen: 47.297 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 98 Resp: 480530
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6

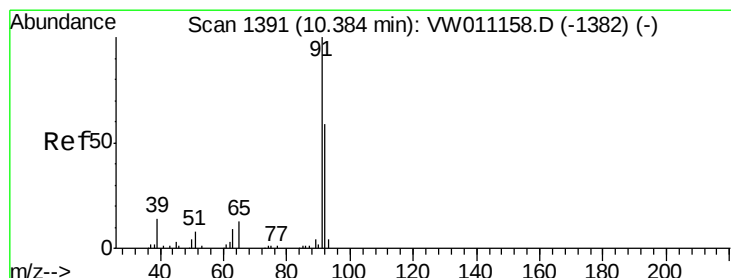
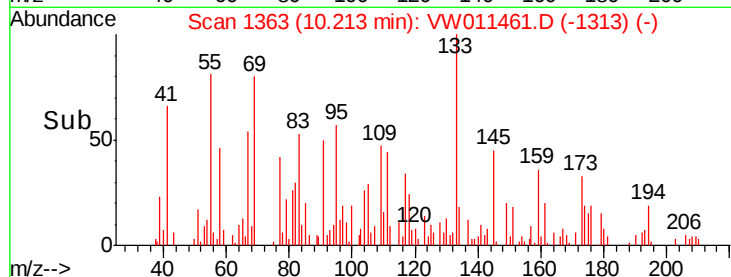
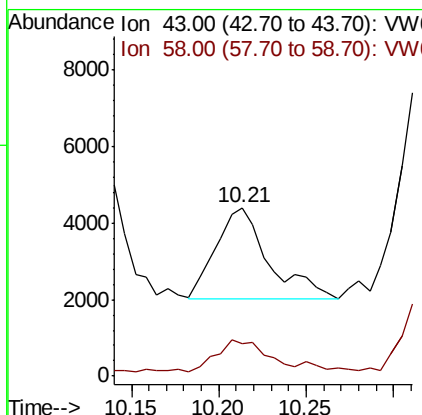
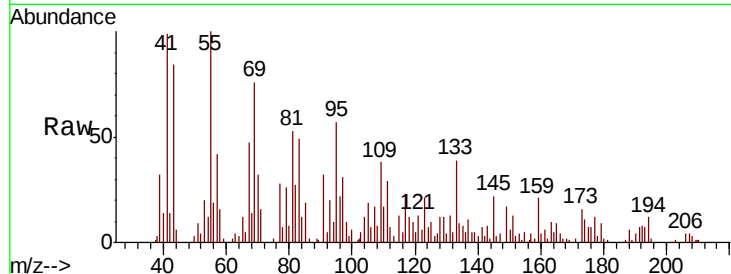




#51
4-Methyl-2-Pentanone
Concen: 1.865 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

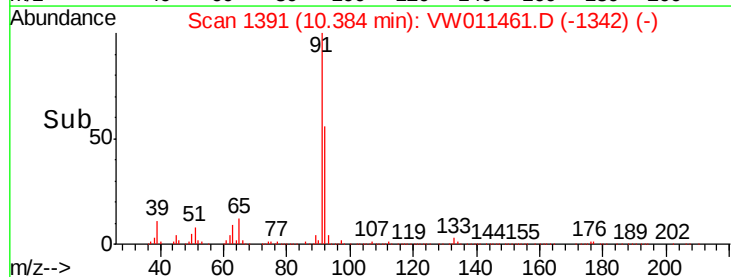
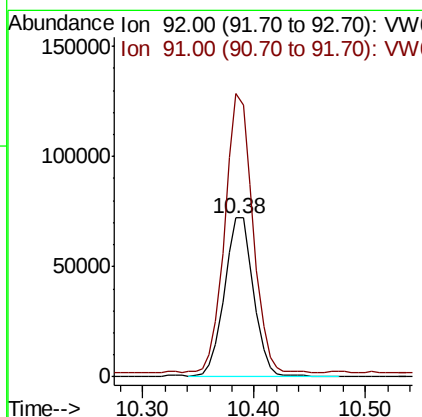
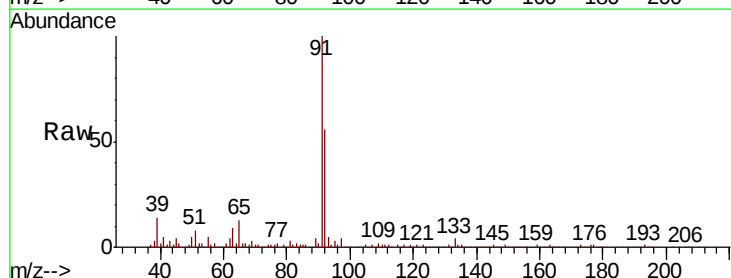
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

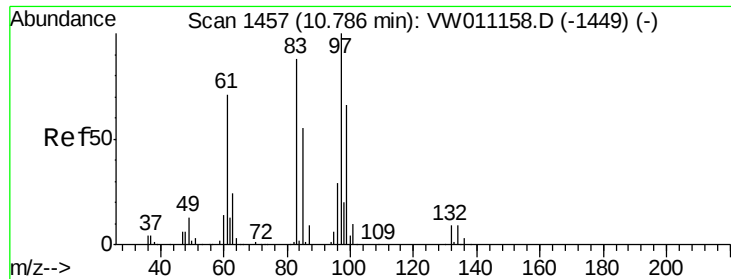
Tot Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
58 32.0 28.2 42.2



#52
Toluene
Concen: 17.128 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 92 Resp: 128942
Ion Ratio Lower Upper
92 100
91 171.6 136.6 205.0

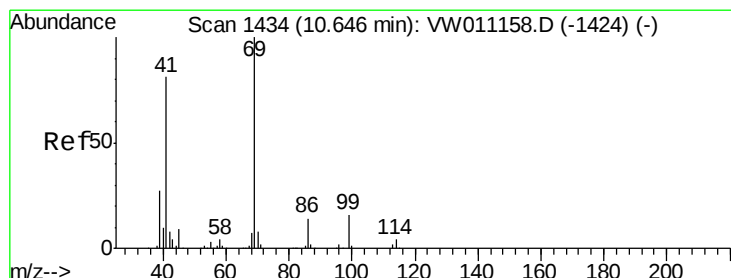
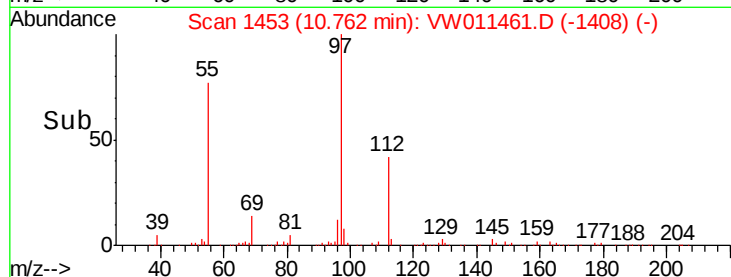
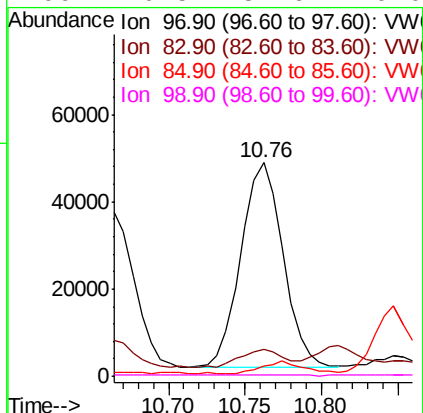
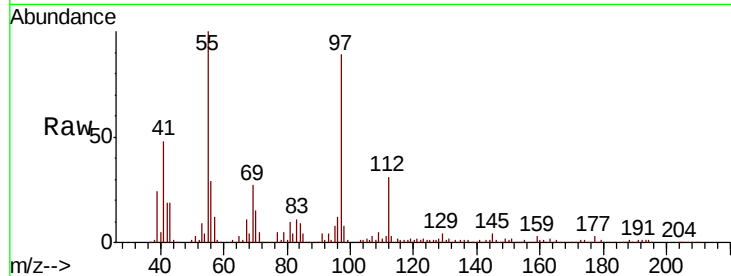




#55
 1,1,2-Trichloroethane
 Concen: 40.050 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW011461.D
 Acq: 24 Jul 2019 04:50

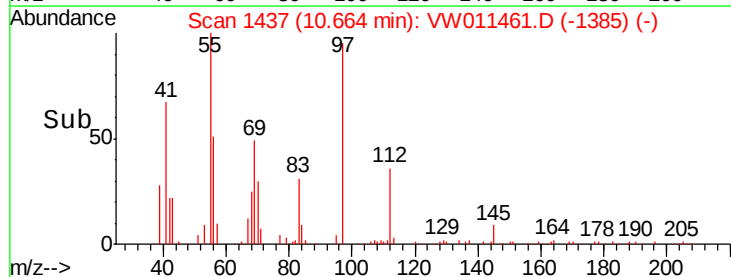
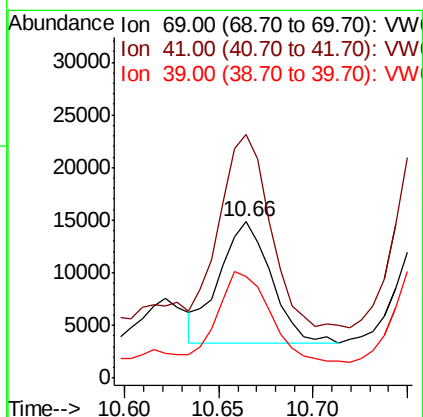
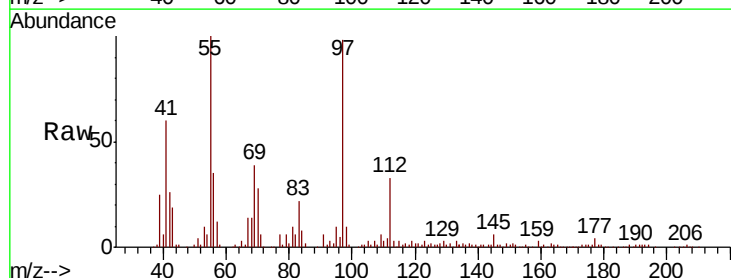
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

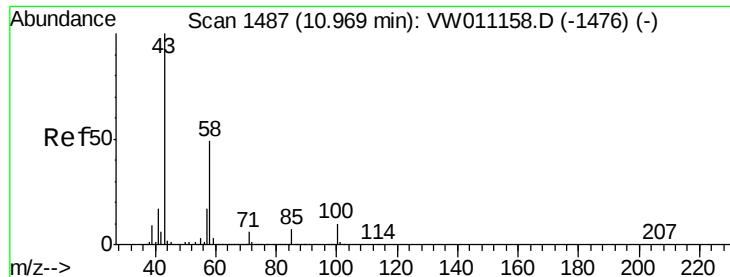
Tot Ion: 97 Resp: 89697
 Ion Ratio Lower Upper
 97 100
 83 9.0 70.2 105.4#
 85 3.2 44.2 66.2#
 99 0.5 52.6 79.0#



#56
 Ethyl methacrylate
 Concen: 6.521 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW011461.D
 Acq: 24 Jul 2019 04:50

Tgt Ion: 69 Resp: 22235
 Ion Ratio Lower Upper
 69 100
 41 148.1 66.5 99.7#
 39 74.3 32.5 48.7#

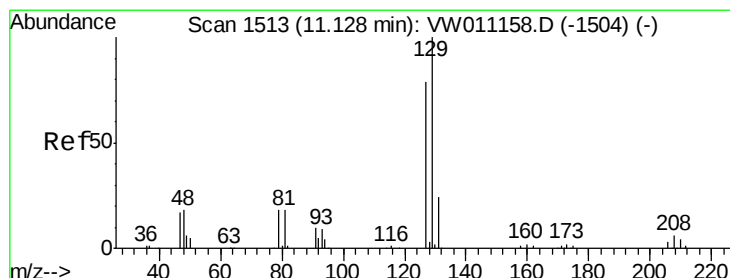
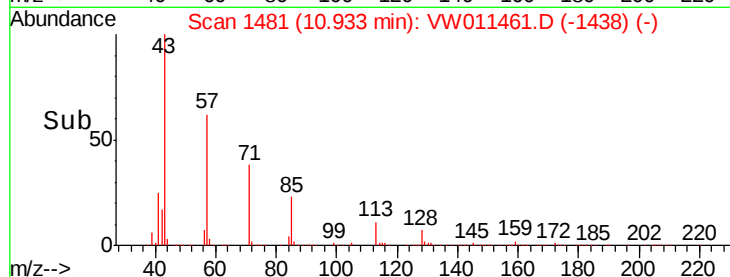
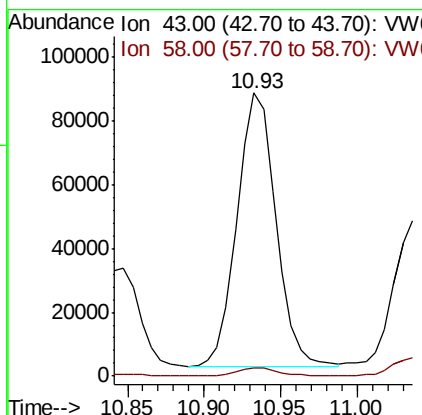
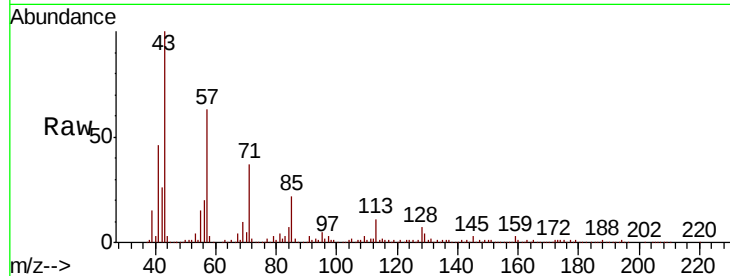




#59
2-Hexanone
Concen: 81.856 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

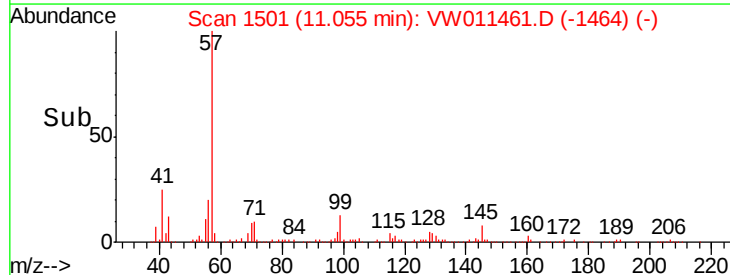
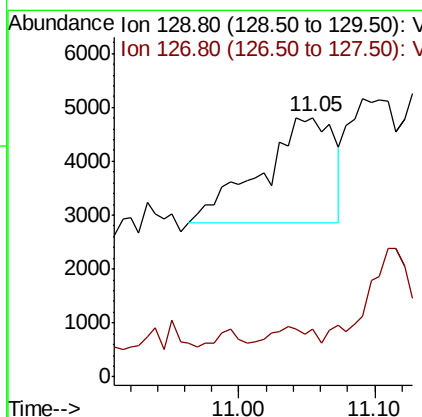
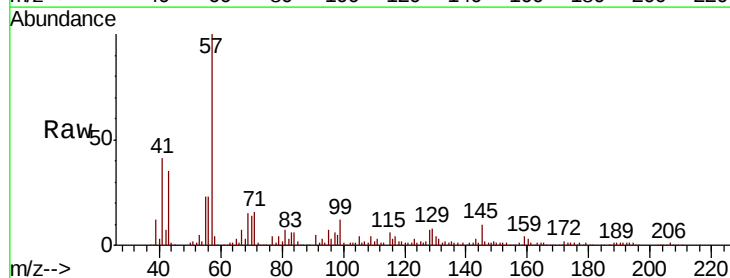
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

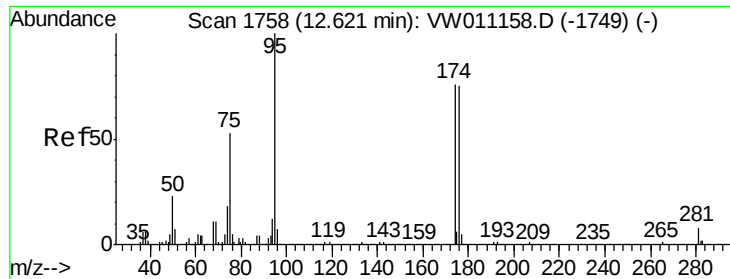
Tot Ion: 43 Resp: 151054
Ion Ratio Lower Upper
43 100
58 3.7 24.4 73.4#



#60
Dibromochloromethane
Concen: 2.935 ug/l
RT: 11.05 min Scan# 1501
Delta R.T. -0.07 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 129 Resp: 7209
Ion Ratio Lower Upper
129 100
127 9.2 39.1 117.3#

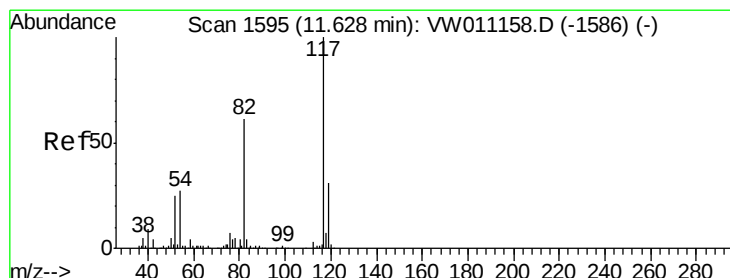
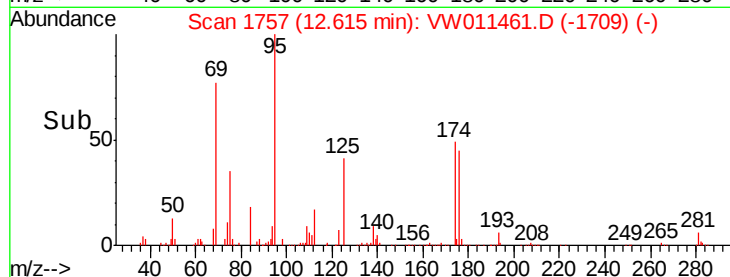
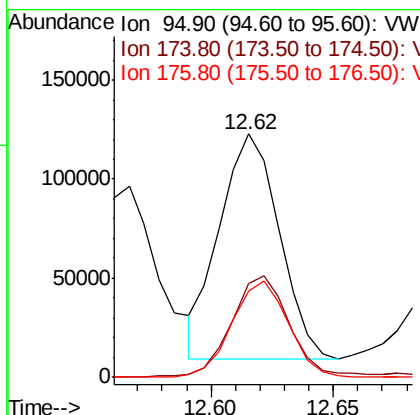
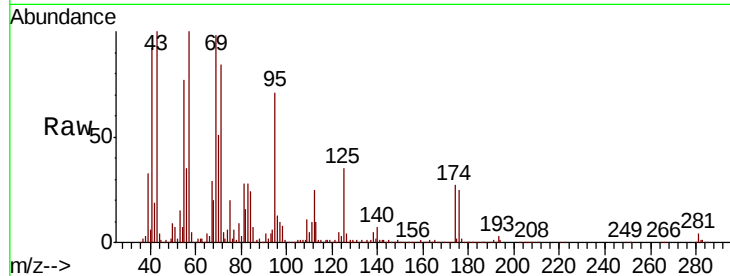




#62
4-Bromofluorobenzene
Concen: 51.540 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

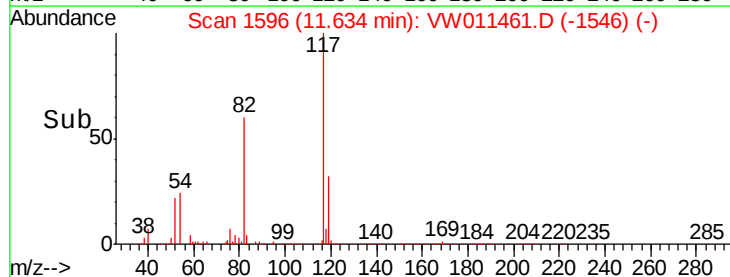
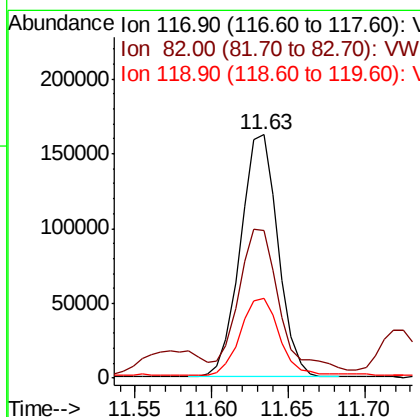
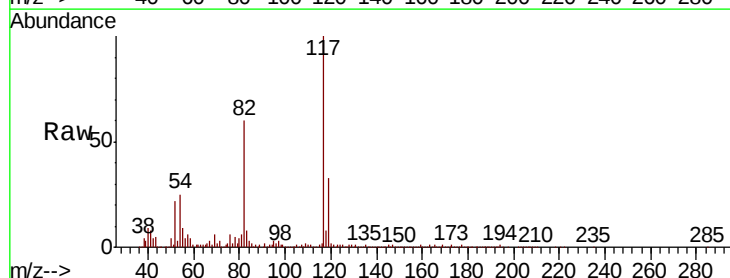
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

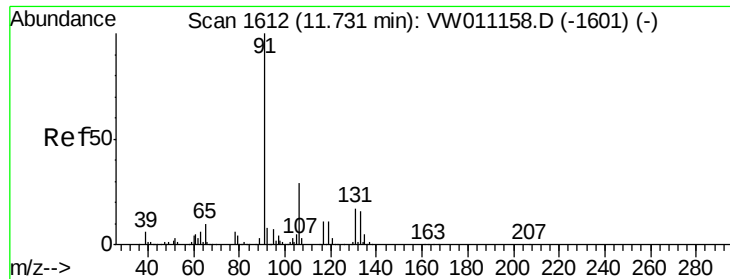
Tot Ion	95	Resp	191933
Ion Ratio	Lower	Upper	
95	100		
174	43.5	0.0	147.6
176	40.8	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion	117	Resp	276754
Ion Ratio	Lower	Upper	
117	100		
82	56.3	48.9	73.3
119	31.7	25.0	37.6

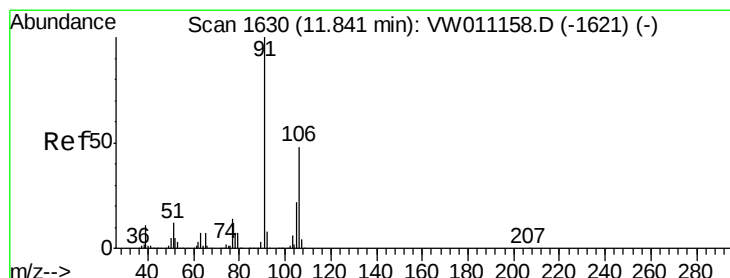
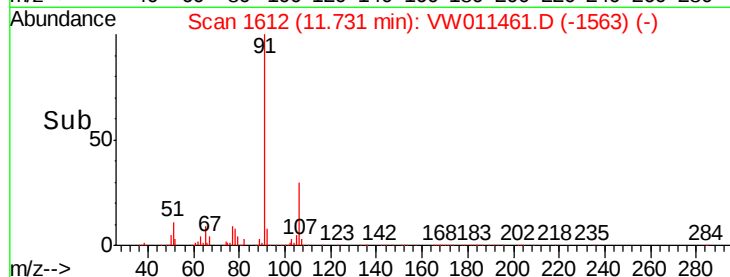
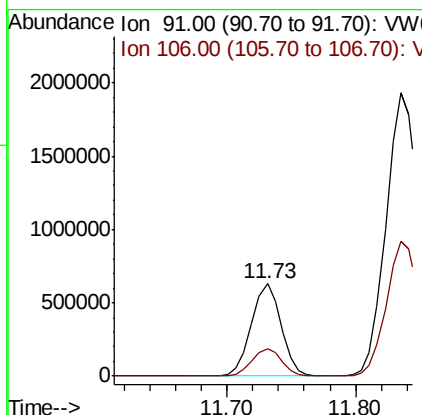
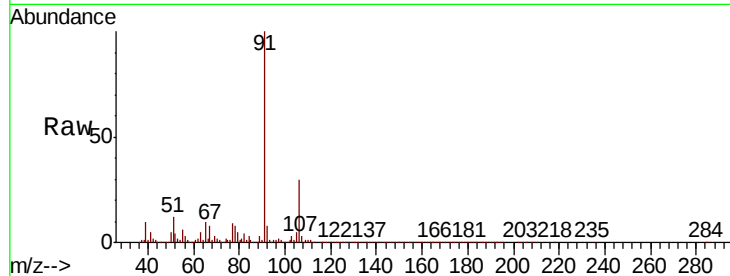




#67
Ethyl Benzene
Concen: 92.301 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

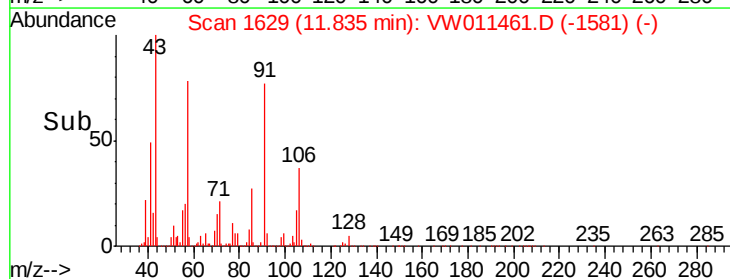
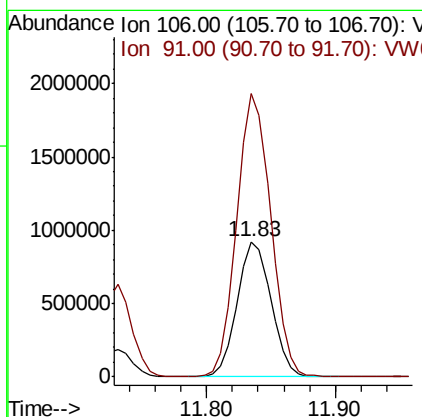
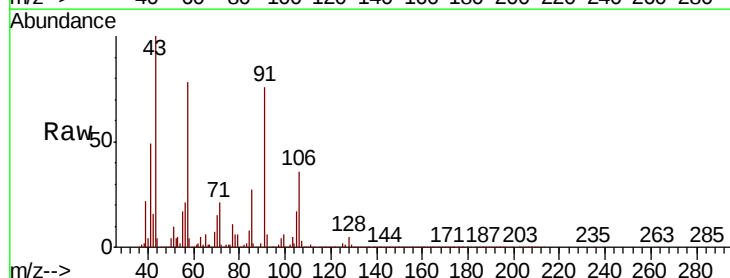
Instrument :
MSVOA_W
ClientSampled :
HR-06-071719-C

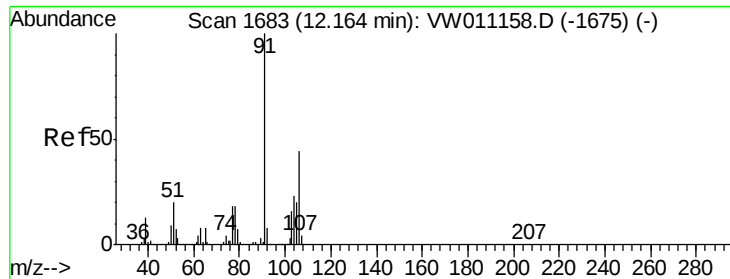
Tot Ion: 91 Resp: 994221
Ion Ratio Lower Upper
91 100
106 30.1 23.5 35.3



#68
m/p-Xylenes
Concen: 428.505 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 106 Resp: 1670141
Ion Ratio Lower Upper
106 100
91 210.7 167.7 251.5

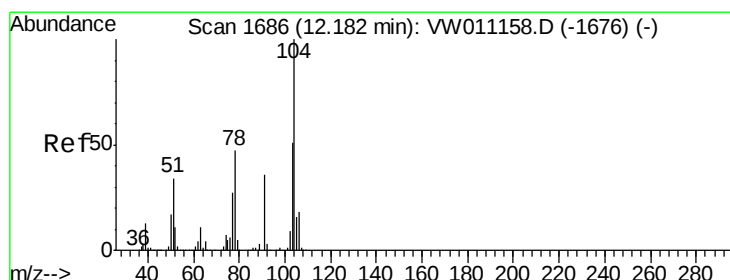
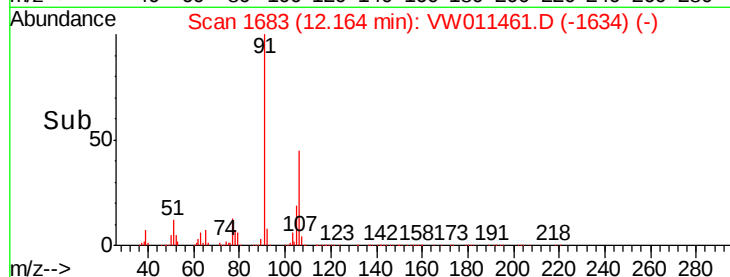
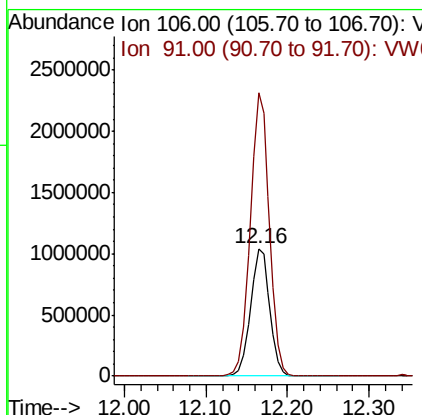
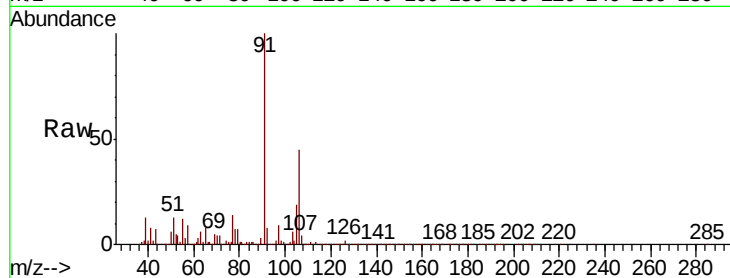




#69
o-Xylene
Concen: 465.207 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

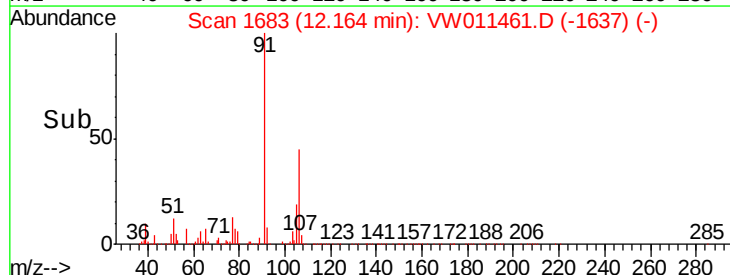
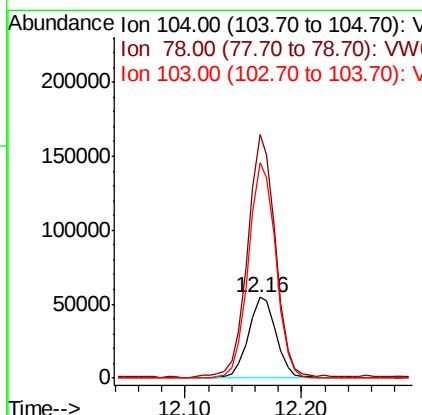
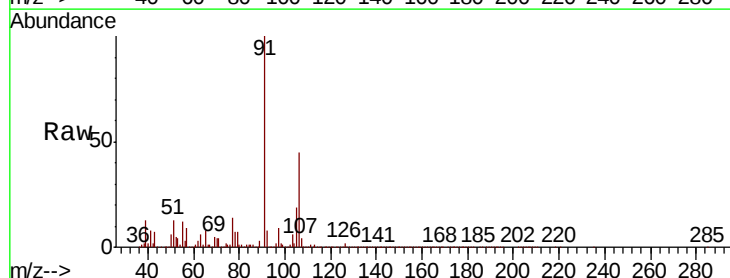
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

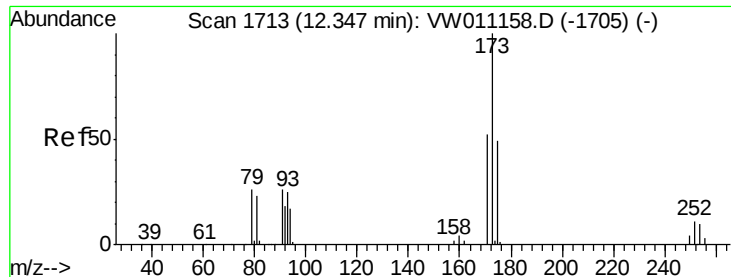
Tot Ion:106 Resp: 1708963
Ion Ratio Lower Upper
106 100
91 220.9 110.7 332.1



#70
Styrene
Concen: 14.232 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion:104 Resp: 90227
Ion Ratio Lower Upper
104 100
78 303.0 43.1 64.7#
103 263.6 44.1 66.1#





#71

Bromoform

Concen: 4.712 ug/l

RT: 12.31 min Scan# 1707

Delta R.T. -0.04 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

HR-06-071719-C

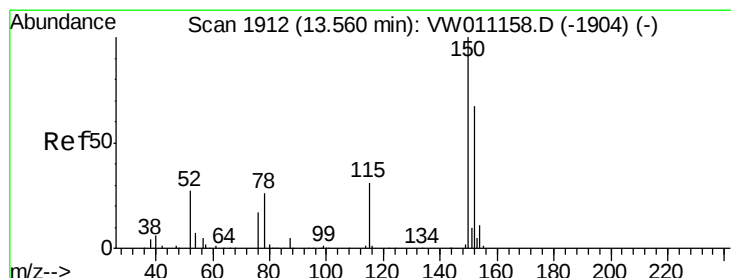
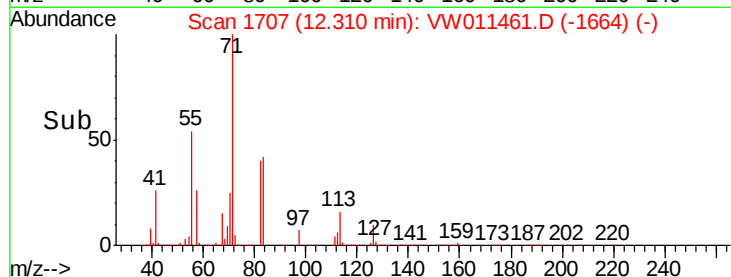
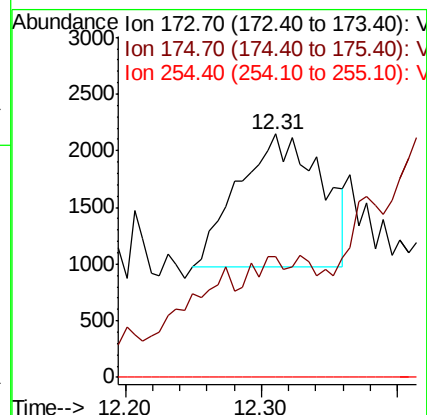
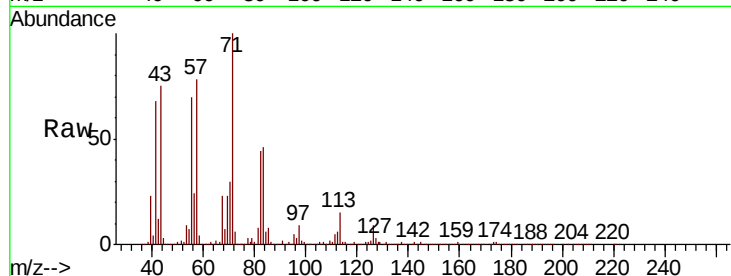
Tot Ion:173 Resp: 4963

Ion Ratio Lower Upper

173 100

175 8.1 24.8 74.3#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

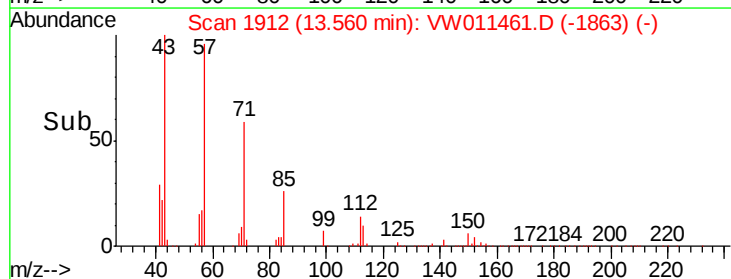
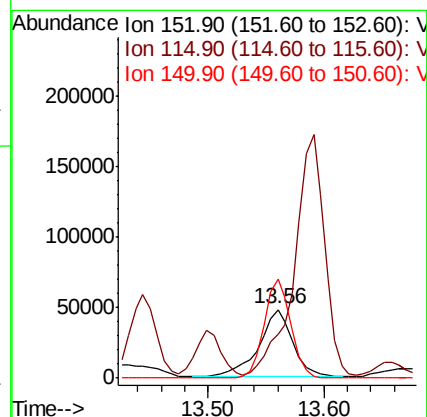
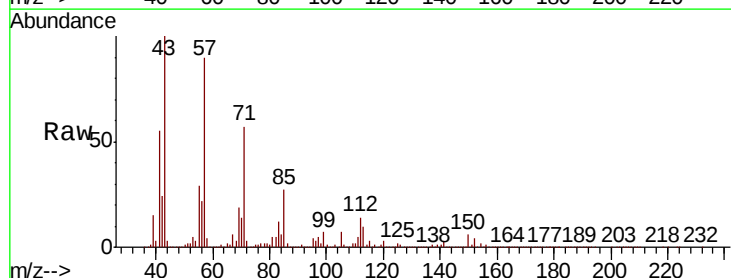
Tgt Ion:152 Resp: 97824

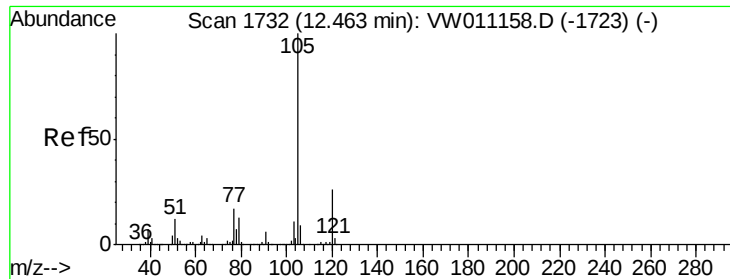
Ion Ratio Lower Upper

152 100

115 0.0 30.1 90.3#

150 112.7 0.0 346.0





#73

Isopropylbenzene

Concen: 63.702 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

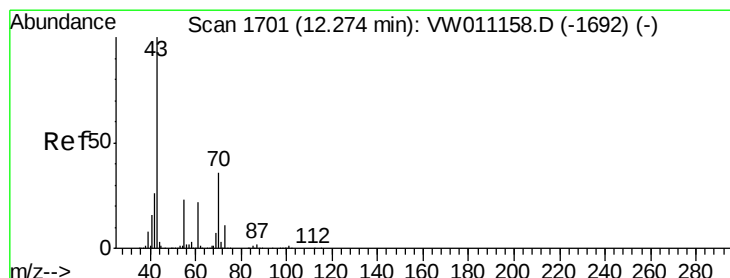
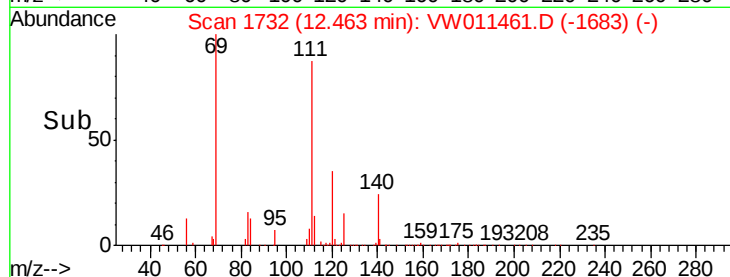
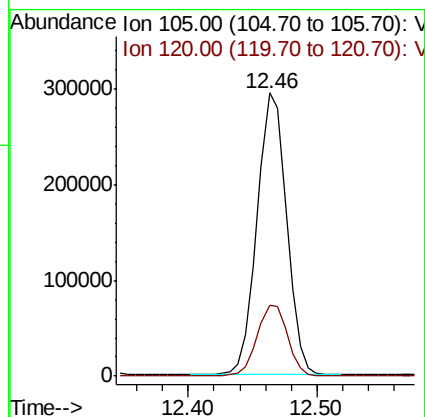
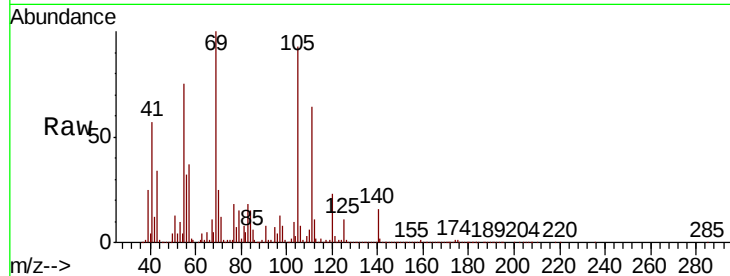
HR-06-071719-C

Tot Ion:105 Resp: 465832

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 461.987 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Tgt Ion: 43 Resp: 1176603

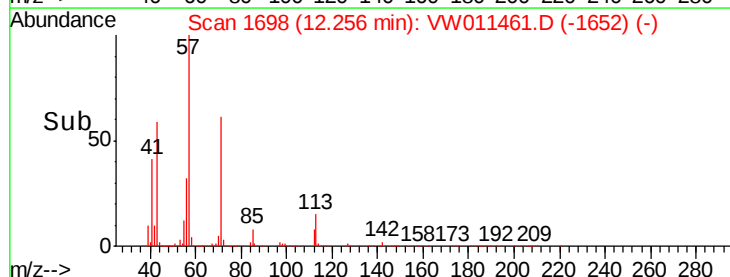
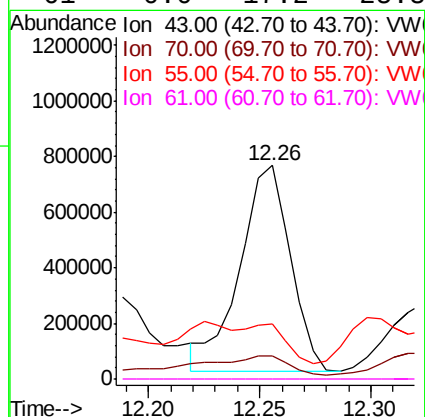
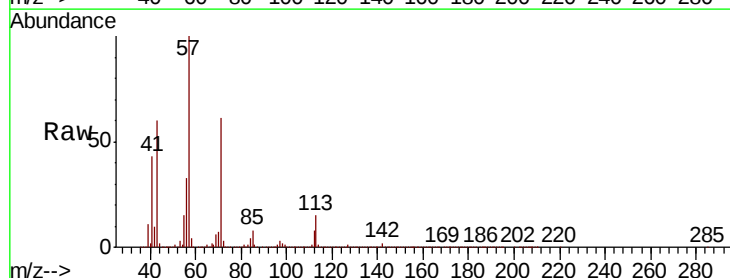
Ion Ratio Lower Upper

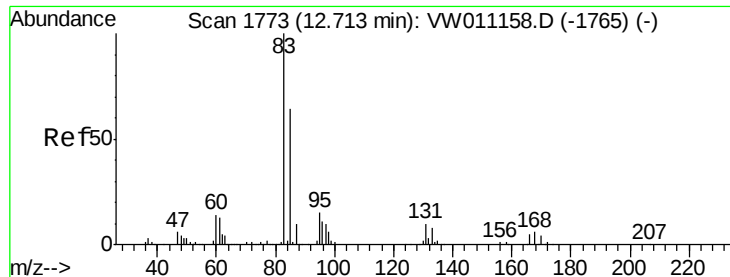
43 100

70 16.5 28.5 42.7#

55 0.0 18.1 27.1#

61 0.0 17.2 25.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 18.409 ug/l

RT: 12.66 min Scan# 1764

Delta R.T. -0.05 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

HR-06-071719-C

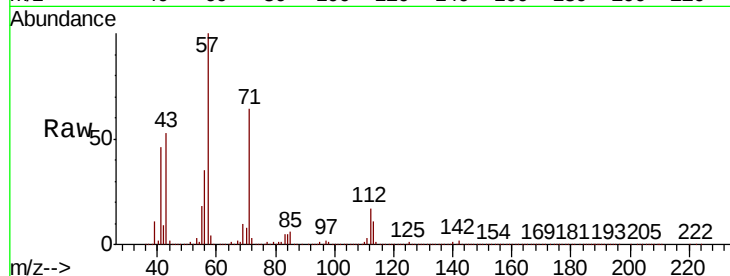
Tot Ion: 83 Resp: 27595

Ion Ratio Lower Upper

83 100

131 17.5 5.0 15.0#

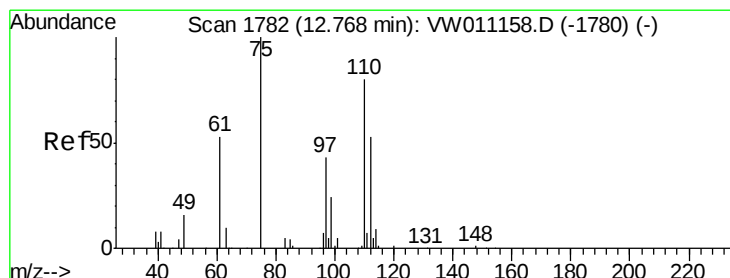
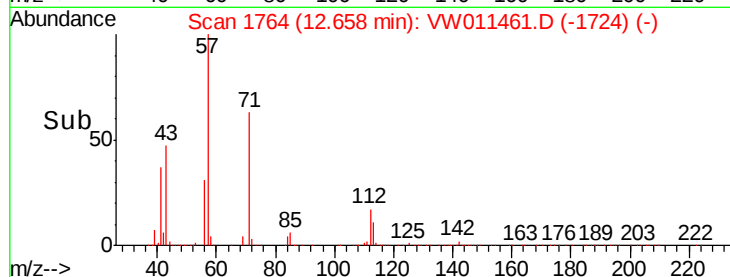
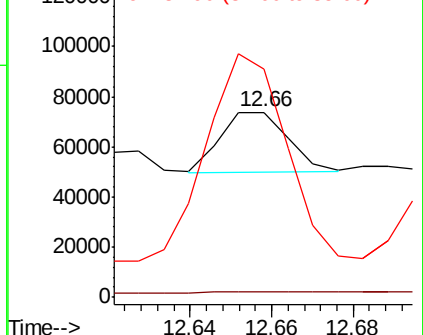
85 491.2 31.6 94.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 11.788 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW011461.D

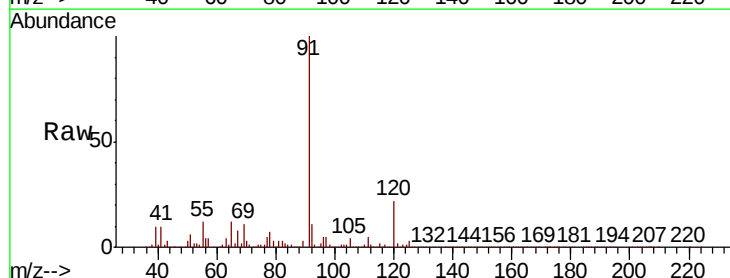
Acq: 24 Jul 2019 04:50

Tgt Ion: 75 Resp: 13326

Ion Ratio Lower Upper

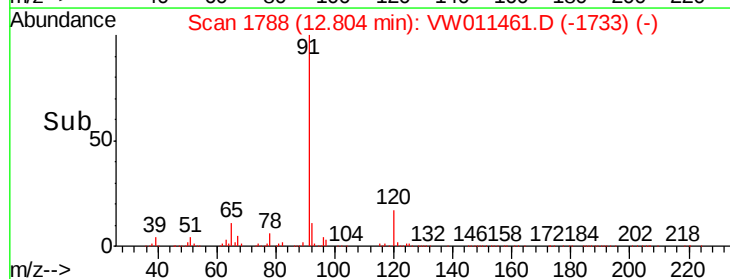
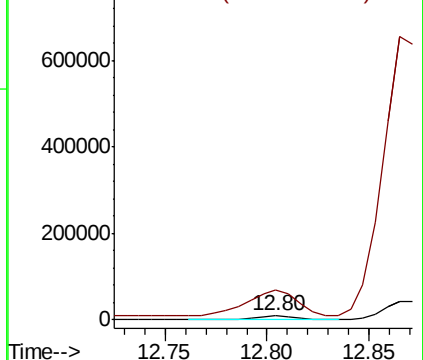
75 100

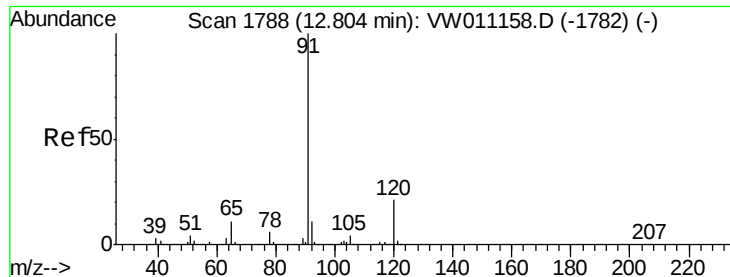
77 793.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 249.255 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

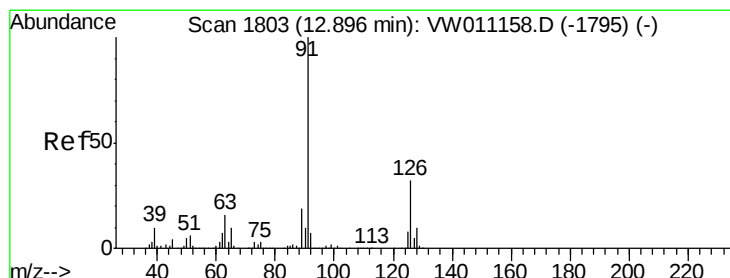
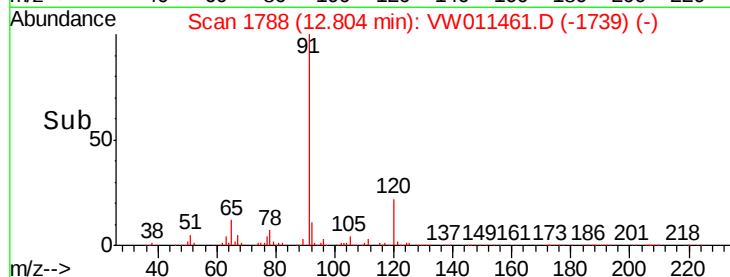
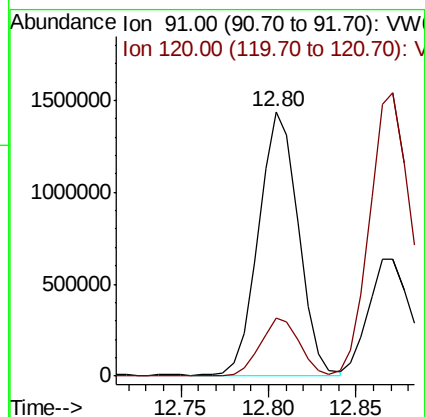
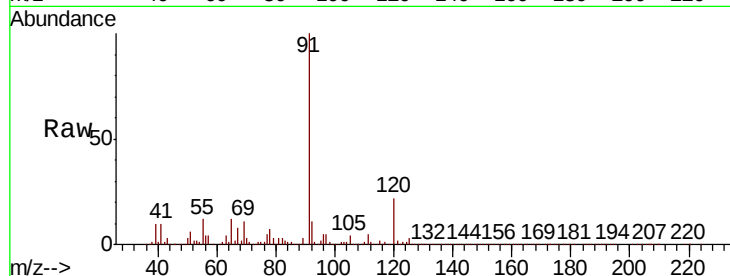
HR-06-071719-C

Tot Ion: 91 Resp: 2245346

Ion Ratio Lower Upper

91 100

120 21.8 10.8 32.3



#79

2-Chlorotoluene

Concen: 196.277 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW011461.D

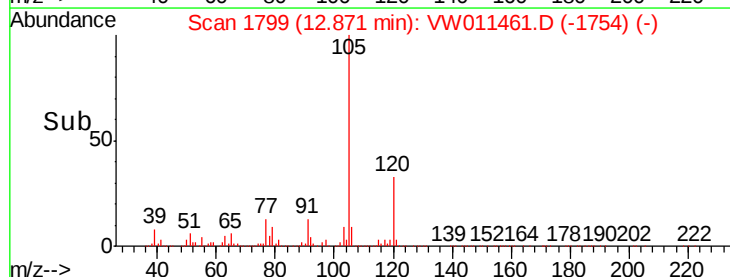
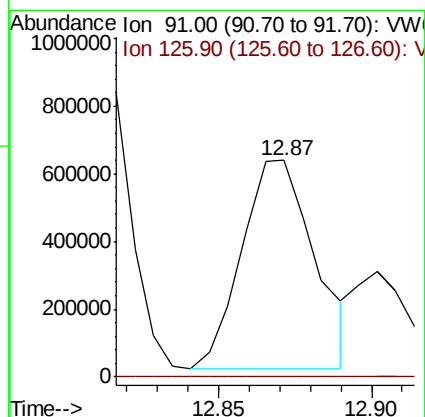
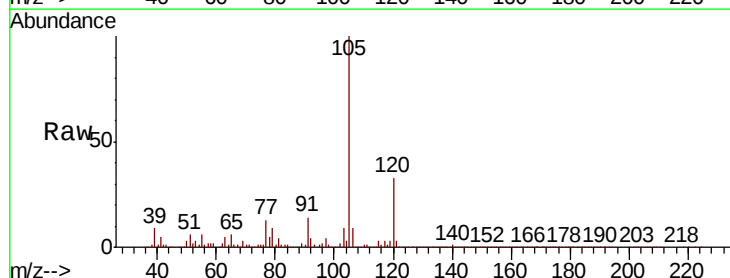
Acq: 24 Jul 2019 04:50

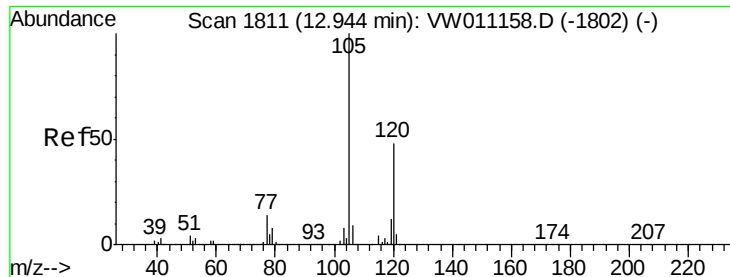
Tgt Ion: 91 Resp: 1017461

Ion Ratio Lower Upper

91 100

126 0.2 15.8 47.3#





#80

1,3,5-Trimethylbenzene

Concen: 1047.949 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampled :

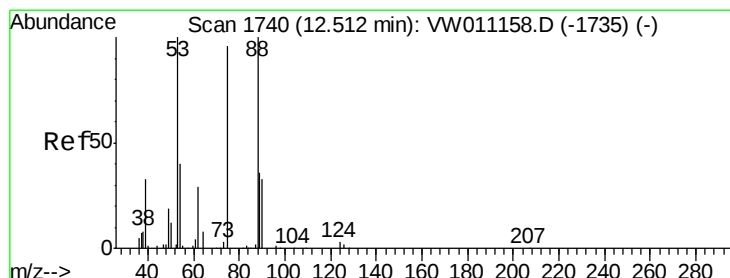
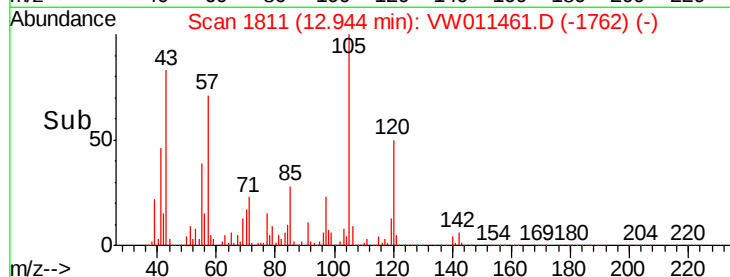
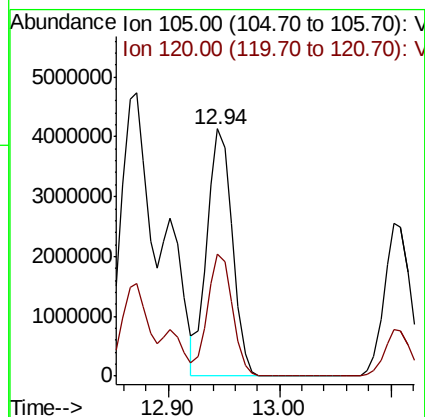
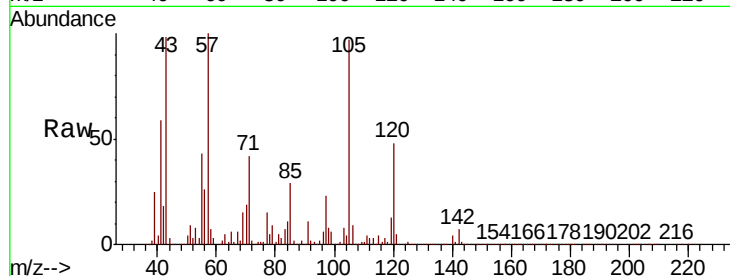
HR-06-071719-C

Tot Ion:105 Resp: 6510416

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 11.296 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

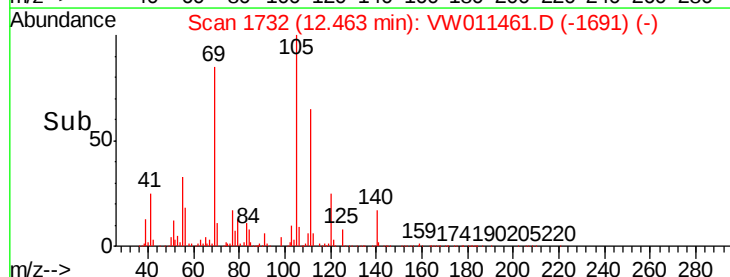
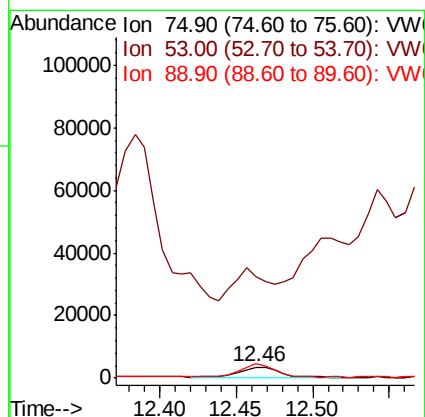
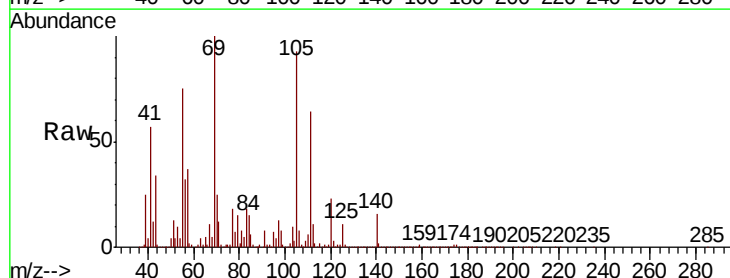
Tgt Ion: 75 Resp: 5646

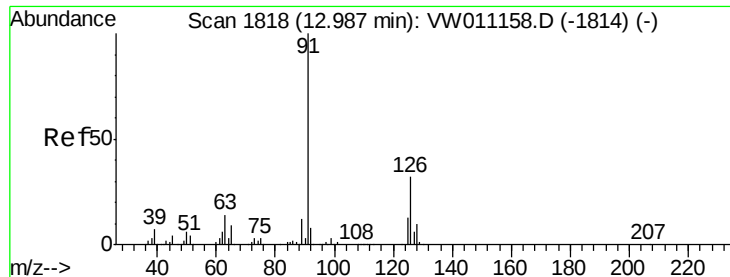
Ion Ratio Lower Upper

75 100

53 265.4 89.8 134.6#

89 116.8 34.3 51.5#





#82

4-Chlorotoluene

Concen: 134.393 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

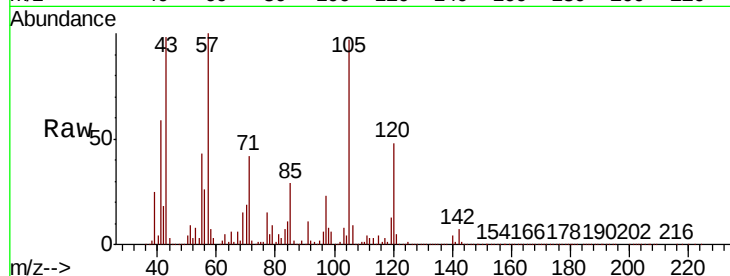
HR-06-071719-C

Tot Ion: 91 Resp: 725622

Ion Ratio Lower Upper

91 100

126 1.9 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.94

500000

400000

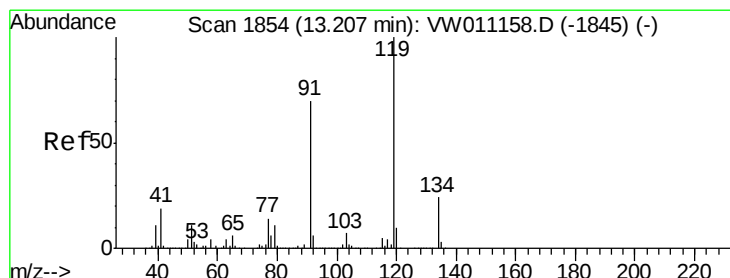
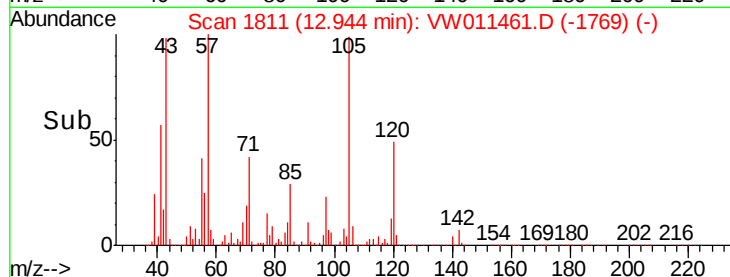
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 9.338 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

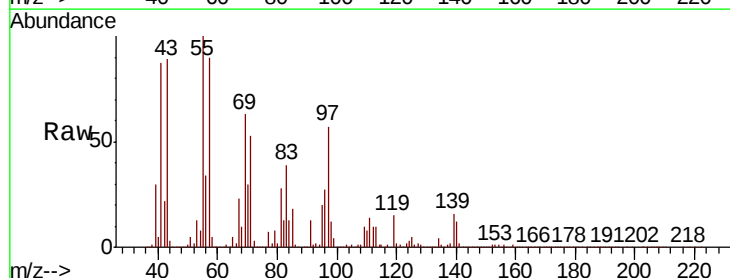
Tgt Ion: 119 Resp: 48380

Ion Ratio Lower Upper

119 100

91 87.4 35.4 106.3

134 27.5 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

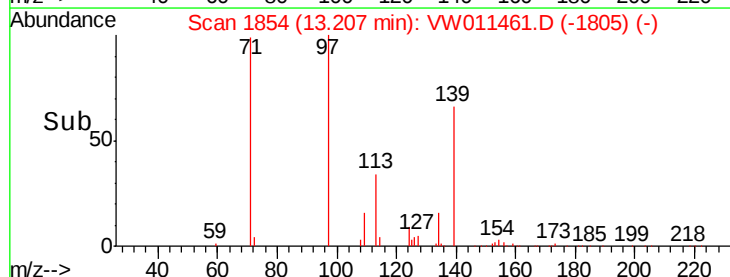
Ion 134.00 (133.70 to 134.70): V

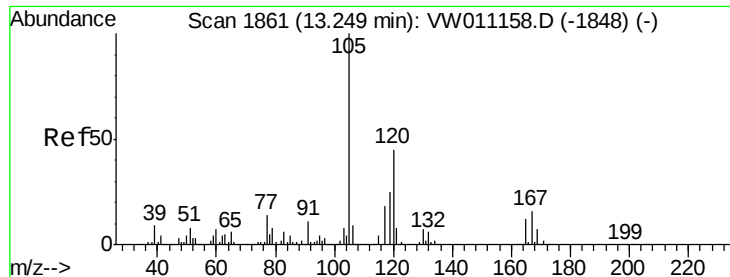
1000000

500000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1870.652 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

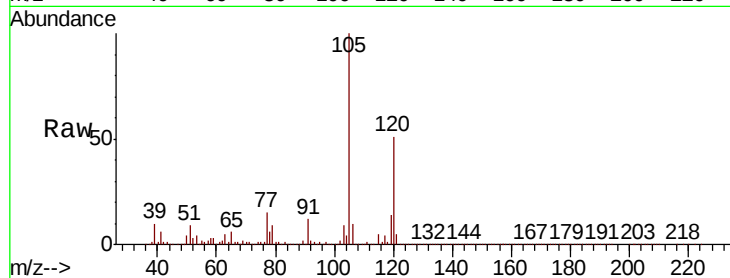
HR-06-071719-C

Tot Ion:105 Resp:11669314

Ion Ratio Lower Upper

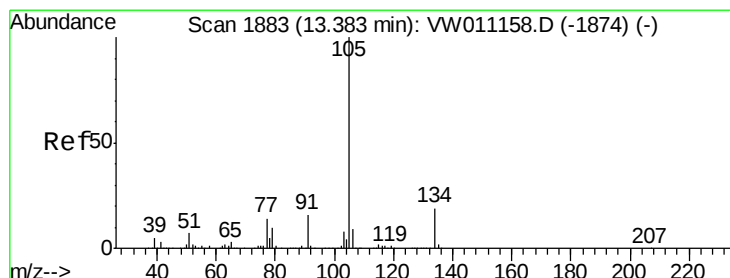
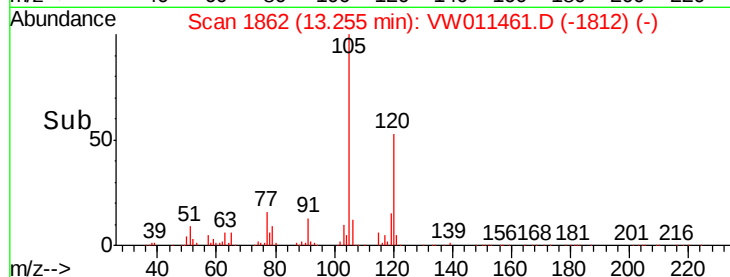
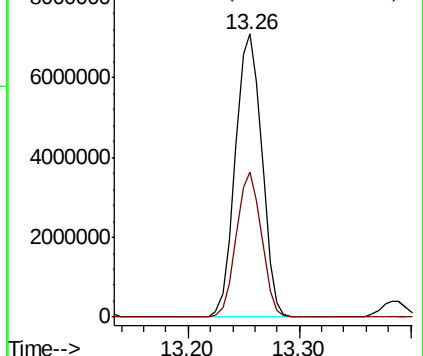
105 100

120 48.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 86.267 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011461.D

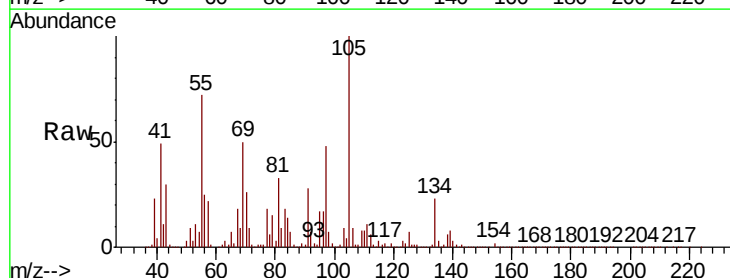
Acq: 24 Jul 2019 04:50

Tgt Ion:105 Resp: 644948

Ion Ratio Lower Upper

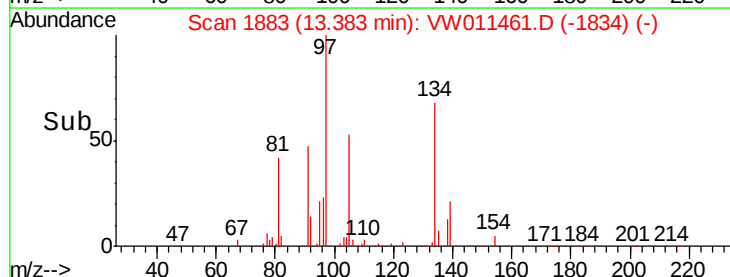
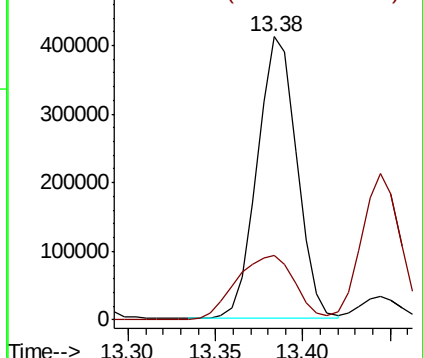
105 100

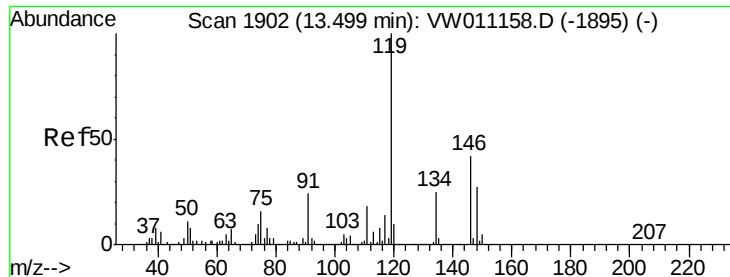
134 33.9 9.7 28.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

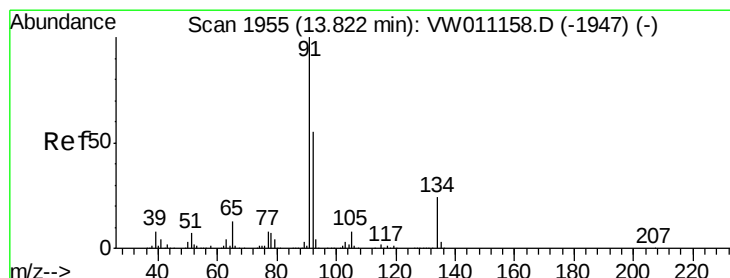
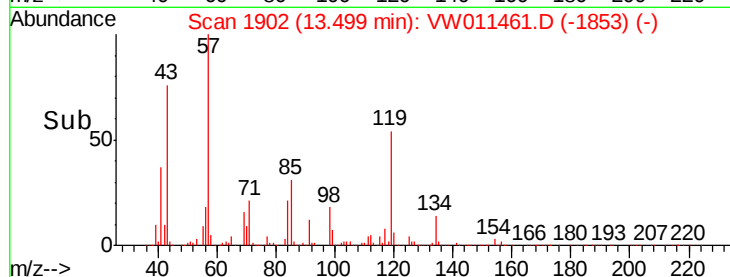
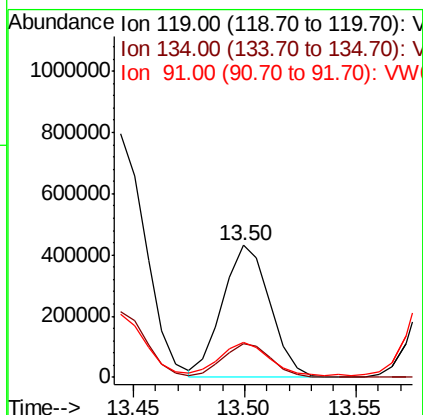
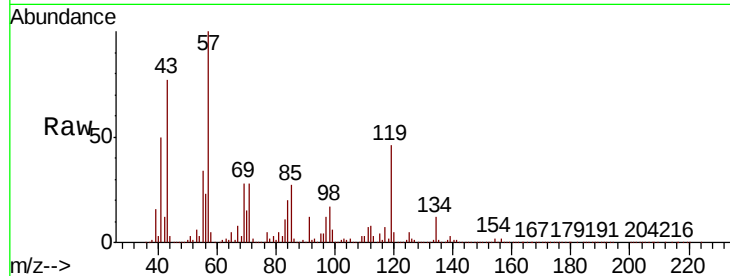




#86
p-Isopropyltoluene
Concen: 95.449 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

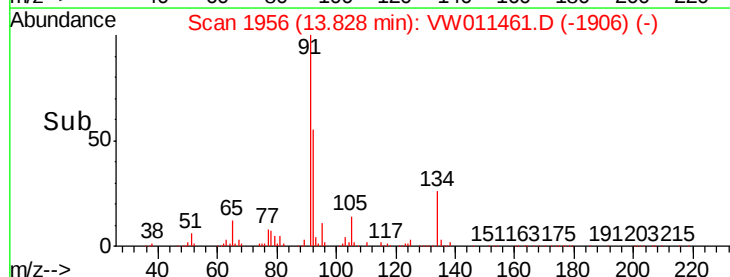
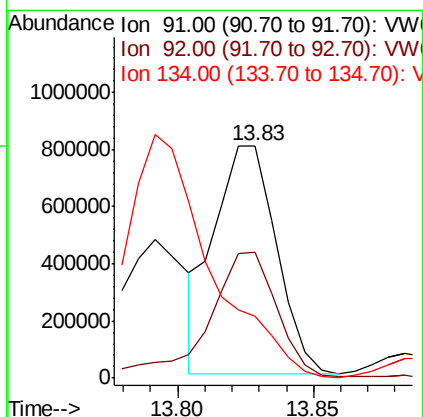
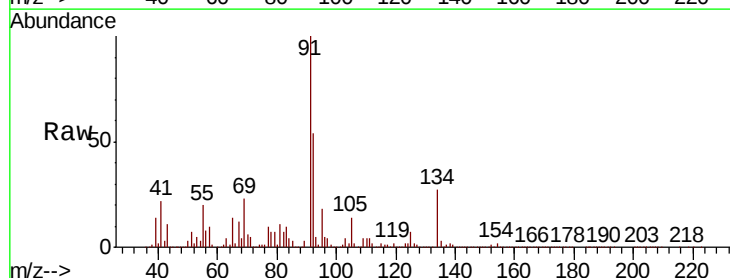
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

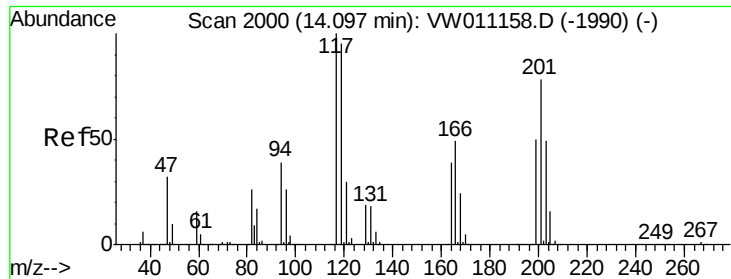
Tot Ion:119 Resp: 640037
Ion Ratio Lower Upper
119 100
134 25.6 12.9 38.6
91 24.1 12.3 36.8



#89
n-Butylbenzene
Concen: 188.729 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW011461.D
Acq: 24 Jul 2019 04:50

Tgt Ion: 91 Resp: 1262463
Ion Ratio Lower Upper
91 100
92 59.4 26.9 80.7
134 0.0 12.2 36.4#





#90

Hexachloroethane

Concen: 211.219 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

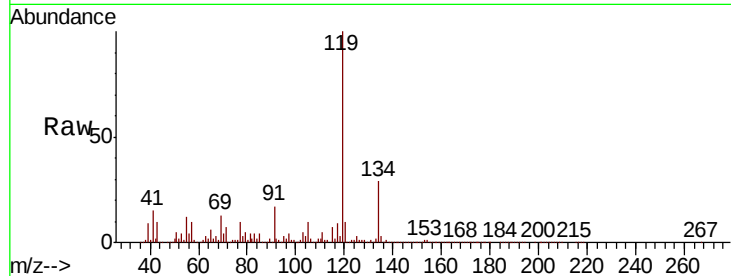
HR-06-071719-C

Tot Ion:117 Resp: 258816

Ion Ratio Lower Upper

117 100

201 0.1 38.3 114.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

300000

250000

200000

150000

100000

50000

0

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

15.80

15.85

15.90

15.95

16.00

16.05

16.10

16.15

16.20

16.25

16.30

16.35

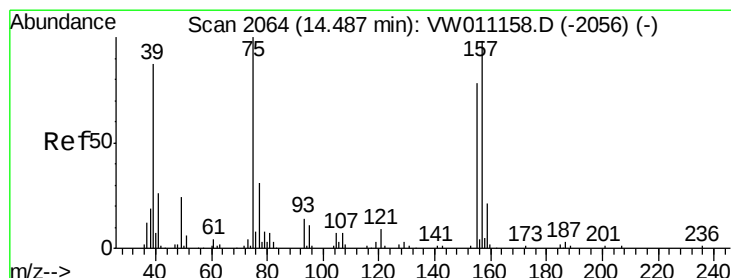
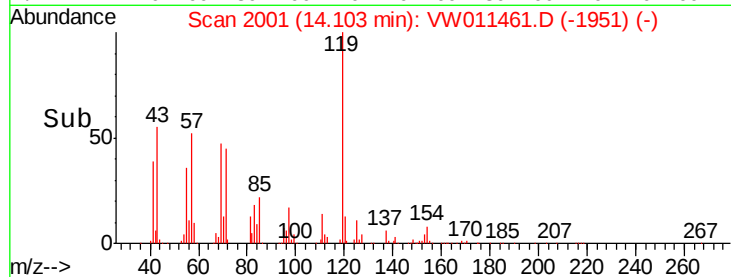
16.40

16.45

16.50

16.55

16.60



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.189 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW011461.D

Acq: 24 Jul 2019 04:50

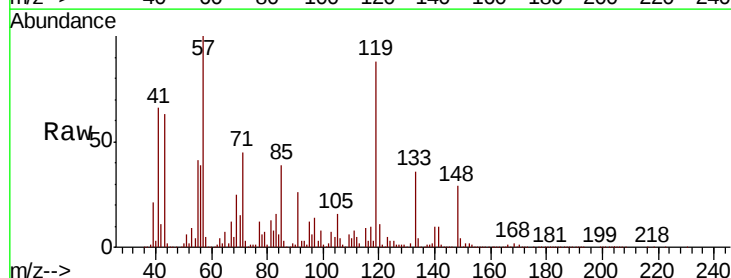
Tgt Ion: 75 Resp: 5368

Ion Ratio Lower Upper

75 100

155 67.2 37.1 111.3

157 0.0 48.5 145.6#



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

15000

10000

5000

0

14.46

14.48

14.50

14.52

14.54

14.56

14.58

14.60

14.62

14.64

14.66

14.68

14.70

14.72

14.74

14.76

14.78

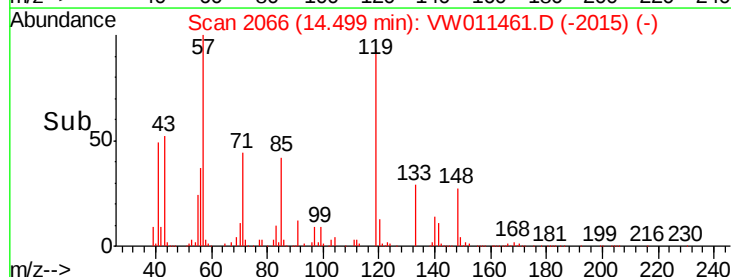
14.80

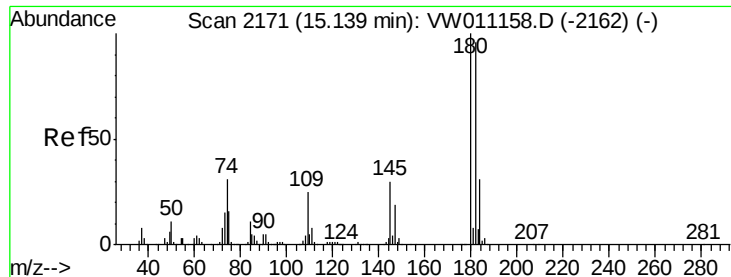
14.82

14.84

14.86

14.88

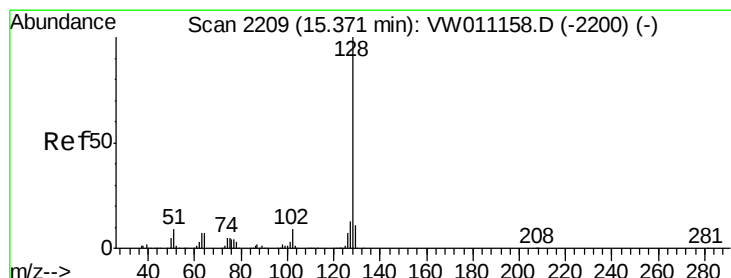
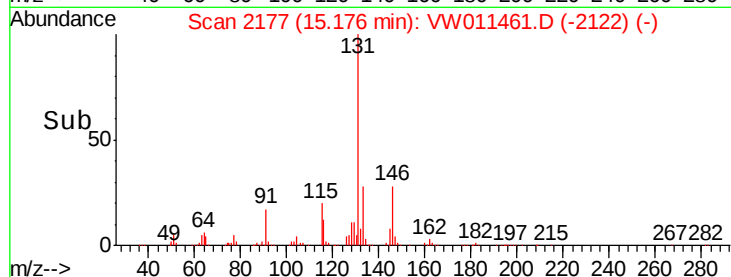
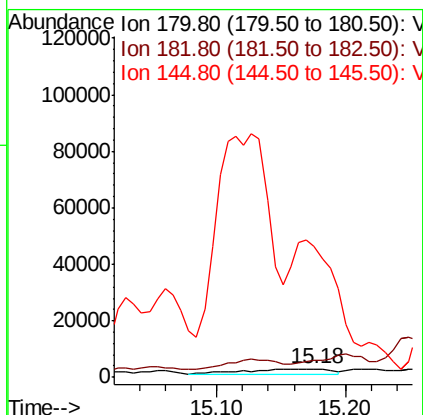
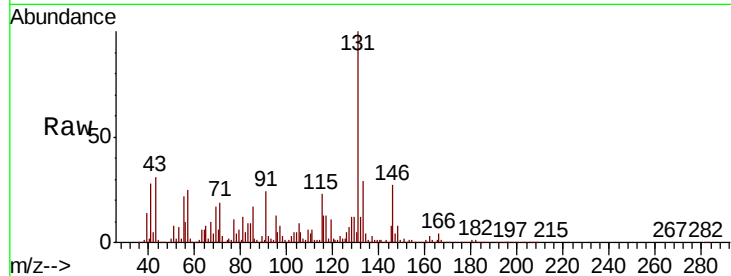




#93
 1,2,4-Trichlorobenzene
 Concen: 4.005 ug/l
 RT: 15.18 min Scan# 2177
 Delta R.T. 0.04 min
 Lab File: VW011461.D
 Acq: 24 Jul 2019 04:50

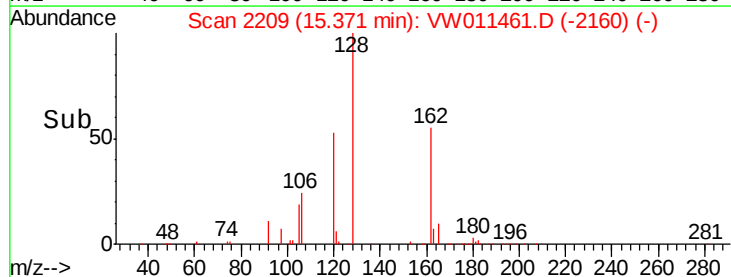
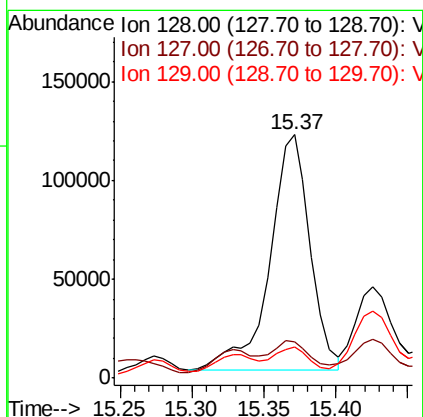
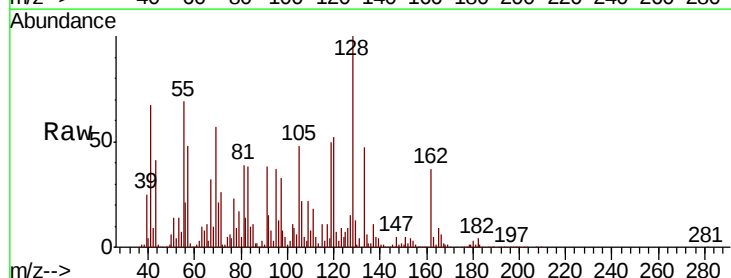
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

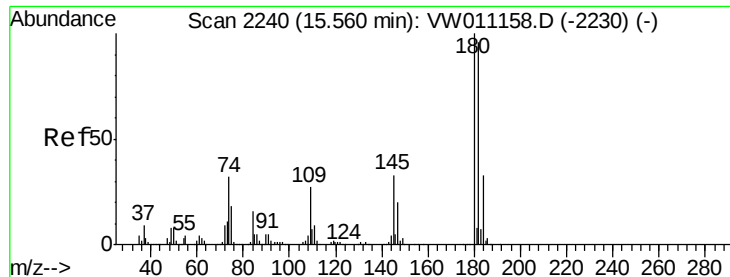
Tot Ion:180 Resp: 7901
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 1675.9 15.5 46.5#



#95
 Naphthalene
 Concen: 61.264 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011461.D
 Acq: 24 Jul 2019 04:50

Tgt Ion:128 Resp: 231629
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.6 16.0#
 129 7.1 8.7 13.1#

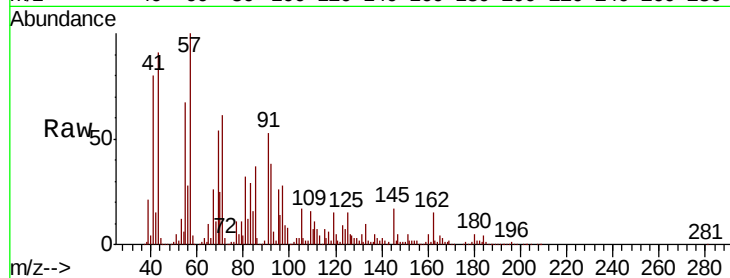




#96
 1,2,3-Trichlorobenzene
 Concen: 5.959 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW011461.D
 Acq: 24 Jul 2019 04:50

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

Tot Ion	Ratio	Lower	Upper
180	100		
182	27.0	47.6	142.8#
145	0.0	16.5	49.5#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

