

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013040.D
 Acq On : 16 Sep 2019 14:41
 Operator : SY/VA
 Sample : K4857-04RE
 Misc : 8.47G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 15:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	122165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109420	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	91594	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
50) Toluene-d8	10.32	98	387374	59.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.64%	
62) 4-Bromofluorobenzene	12.62	95	170381	72.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	33	Below Cal	# 44
3) Chloromethane	2.20	50	252	Below Cal	# 60
11) Tert butyl alcohol	5.17	59	178	Below Cal	# 72
13) Acrolein	3.86	56	84	Below Cal	# 1
16) Acetone	4.13	43	26120	47.392	ug/l 100
17) Carbon Disulfide	4.37	76	15211	5.365	ug/l # 93
18) Methyl Acetate	4.68	43	5561	5.128	ug/l 95
20) Methylene Chloride	4.91	84	6015	Below Cal	93
25) 2-Butanone	7.18	43	6844	11.307	ug/l 95
26) 2,2-Dichloropropane	7.15	77	229	Below Cal	# 55
31) Cyclohexane	7.94	56	5164	Below Cal	# 16
36) 1,1-Dichloropropene	7.94	75	15452	6.287	ug/l # 53
37) Ethyl Acetate	7.18	43	6844	5.247	ug/l # 72
38) Carbon Tetrachloride	7.95	117	19303	7.664	ug/l # 15
39) Methylcyclohexane	9.29	83	49262	18.292	ug/l # 33
43) Isopropyl Acetate	8.42	43	16506	6.590	ug/l # 53
47) Bromodichloromethane	9.61	83	8847	3.612	ug/l # 36
48) Methyl methacrylate	9.46	41	4175	3.552	ug/l # 15
51) 4-Methyl-2-Pentanone	10.24	43	5176	4.003	ug/l 92
52) Toluene	10.38	92	5435	1.247	ug/l 100
55) 1,1,2-Trichloroethane	10.76	97	190362	143.085	ug/l # 23
56) Ethyl methacrylate	10.66	69	105440	58.880	ug/l # 7
59) 2-Hexanone	10.93	43	45695	50.750	ug/l # 36
67) Ethyl Benzene	11.73	91	21516	2.630	ug/l 95
68) m/p-Xylenes	11.83	106	20188	6.755	ug/l 80
69) o-Xylene	12.16	106	12572	4.487	ug/l 49
73) Isopropylbenzene	12.46	105	10113	1.249	ug/l 94
74) N-amyl acetate	12.23	43	122893	58.998	ug/l # 5
75) 1,1,2,2-Tetrachloroethane	12.69	83	50506	35.512	ug/l # 84
76) 1,2,3-Trichloropropane	12.62	75	54199	50.650	ug/l # 100
78) n-propylbenzene	12.80	91	33708	3.539	ug/l 90
79) 2-Chlorotoluene	12.87	91	22466	4.103	ug/l # 50
80) 1,3,5-Trimethylbenzene	12.94	105	29518	4.309	ug/l 99
81) trans-1,4-Dichloro-2-buten	12.62	75	54199	114.899	ug/l # 29

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 Response via : Initial Calibration

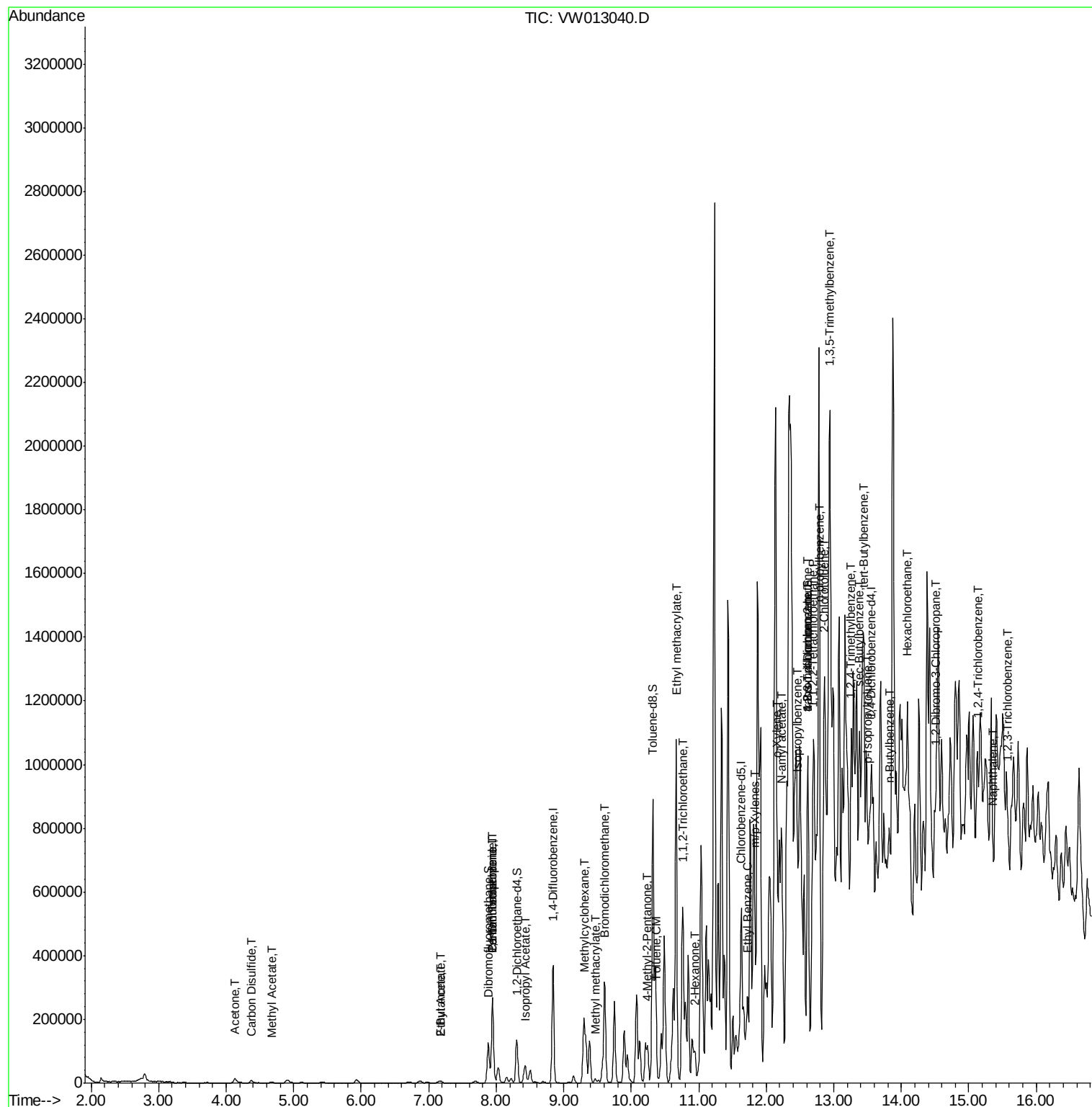
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.44	119	18275	2.982	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	105843	15.636	ug/l	97
85) sec-Butylbenzene	13.38	105	55290	6.623	ug/l #	56
86) p-Isopropyltoluene	13.50	119	10832	1.413	ug/l #	77
89) n-Butylbenzene	13.82	91	35513	4.913	ug/l #	73
90) Hexachloroethane	14.10	117	7282	5.302	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.51	75	262	1.006	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	3543	1.530	ug/l #	1
95) Naphthalene	15.36	128	11334	2.929	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.58	180	5274	2.576	ug/l #	35

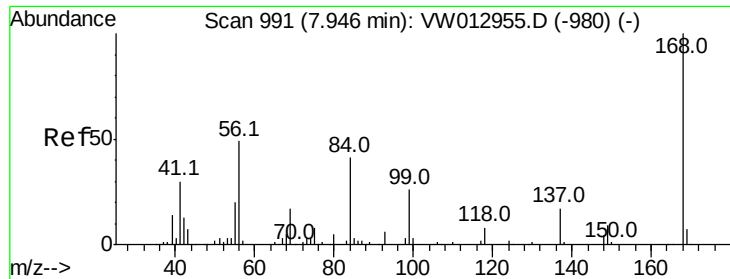
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

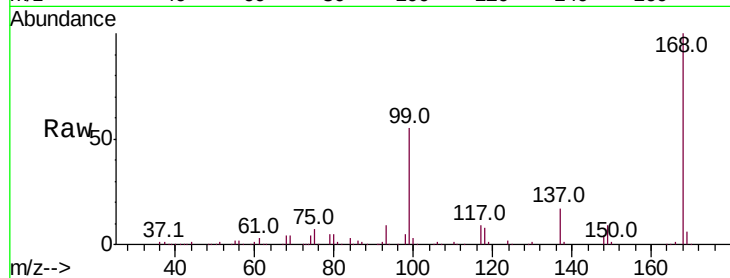
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 206116

Ion Ratio Lower Upper

168 100

99 55.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

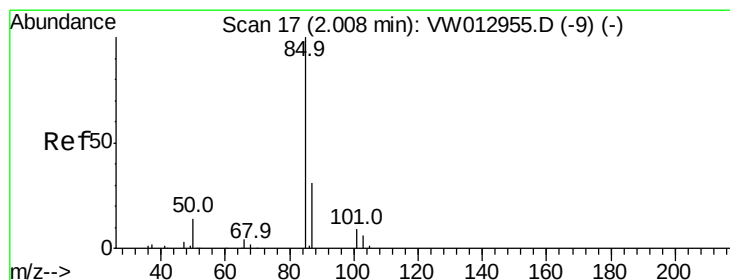
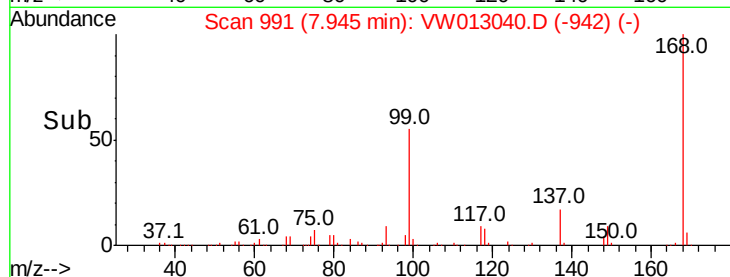
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013040.D

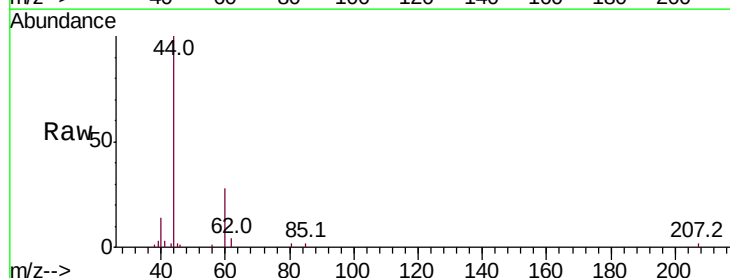
Acq: 16 Sep 2019 14:41

Tgt Ion: 85 Resp: 33

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100

80

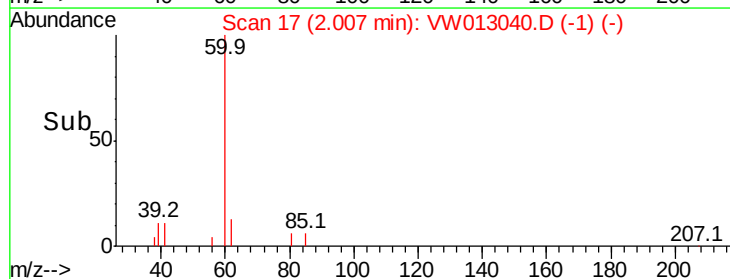
60

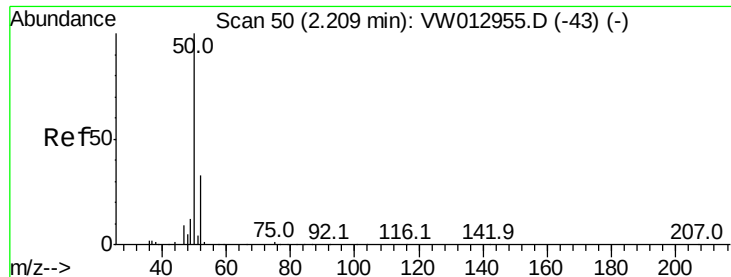
40

20

0

Time--> 1.99 2.00 2.01 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

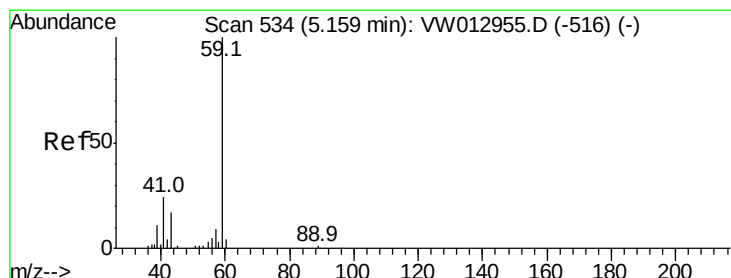
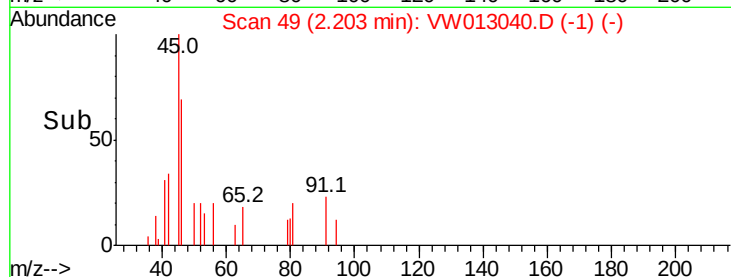
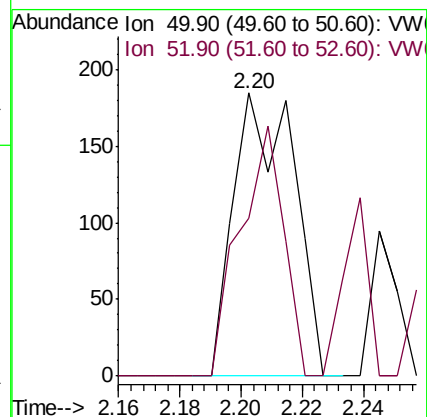
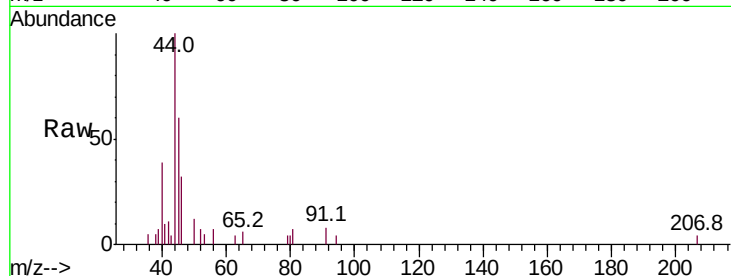
ClientSampled :

Tot Ion: 50 Resp: 252

Ion Ratio Lower Upper

50 100

52 55.7 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW013040.D

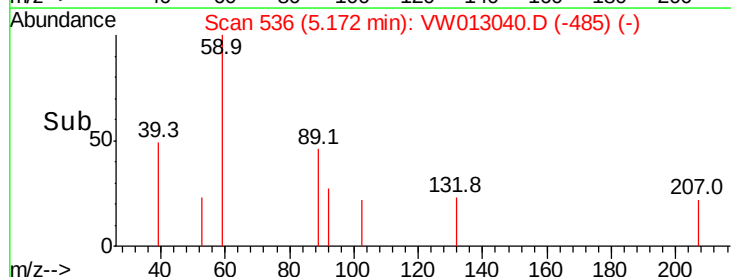
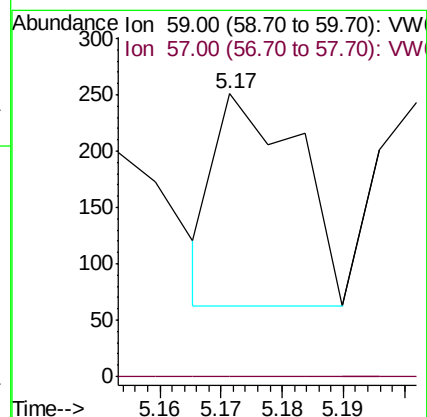
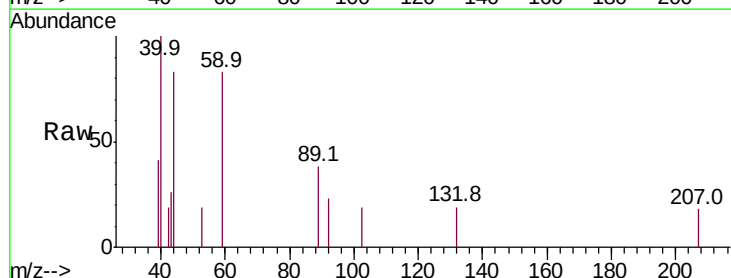
Acq: 16 Sep 2019 14:41

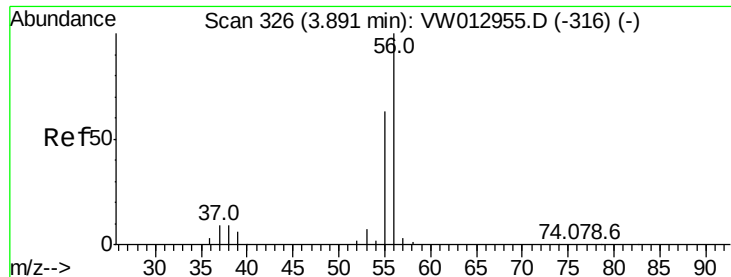
Tgt Ion: 59 Resp: 178

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.86 min Scan# 321

Delta R.T. -0.03 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

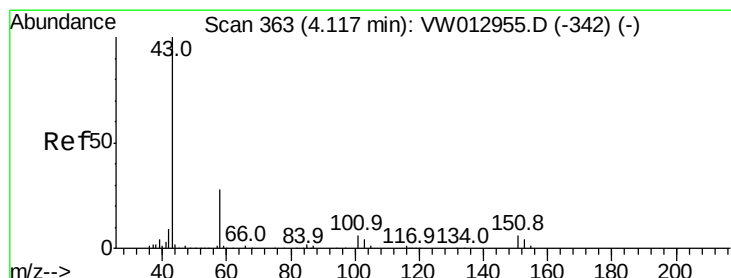
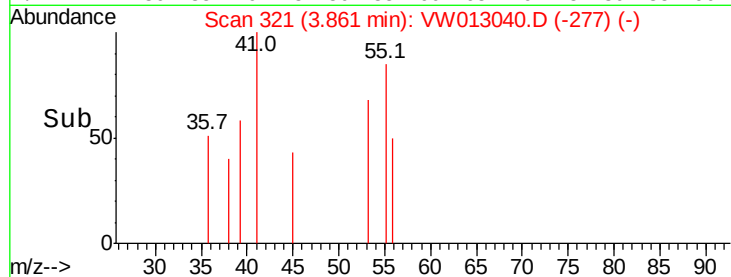
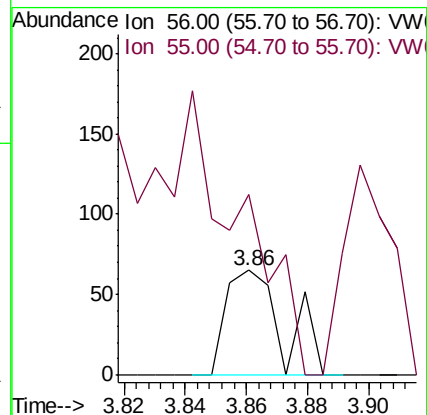
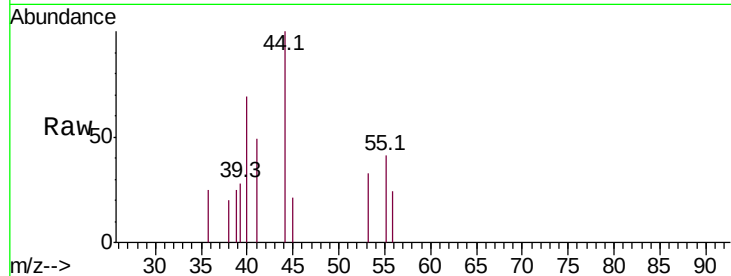
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 84

Ion Ratio Lower Upper

56 100

55 507.1 55.8 83.8#



#16

Acetone

Concen: 47.392 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013040.D

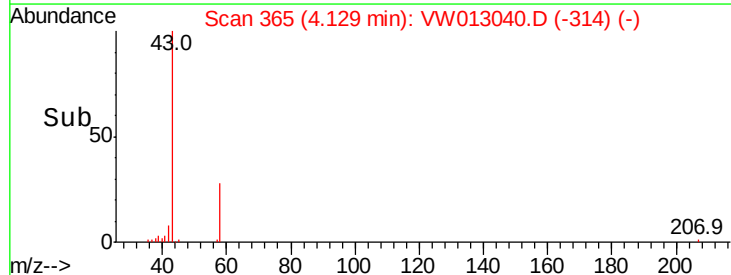
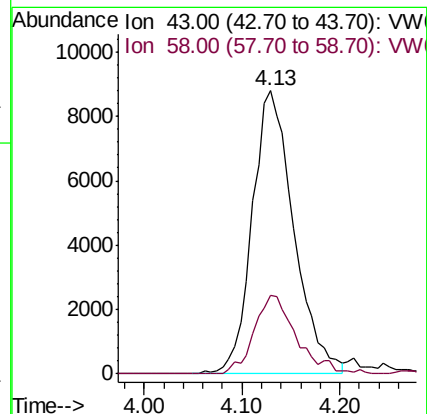
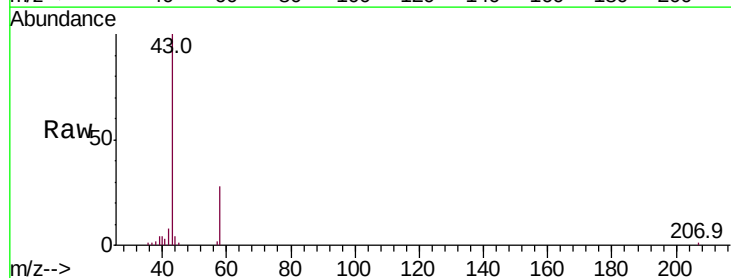
Acq: 16 Sep 2019 14:41

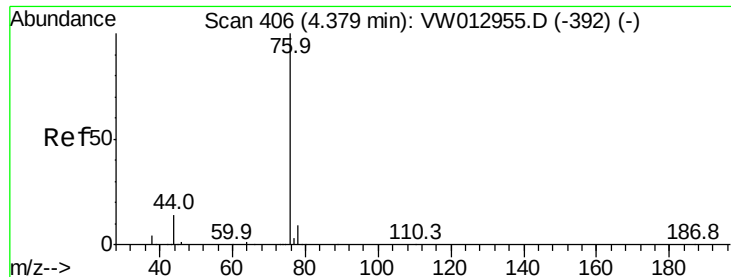
Tgt Ion: 43 Resp: 26120

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5

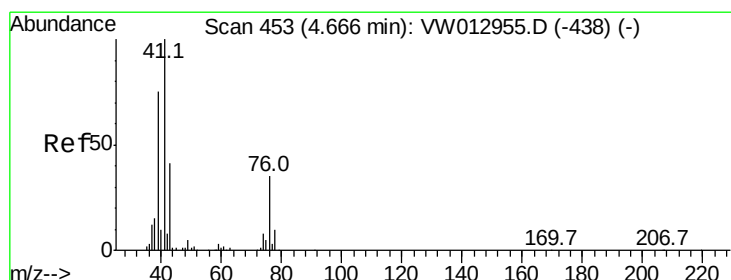
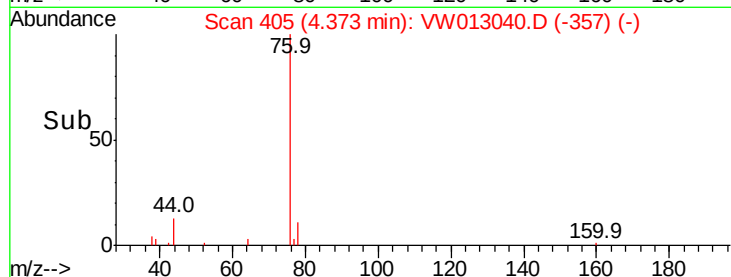
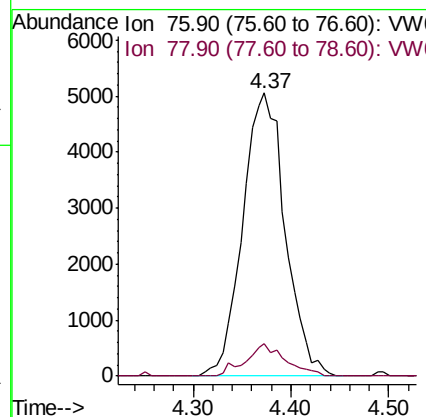
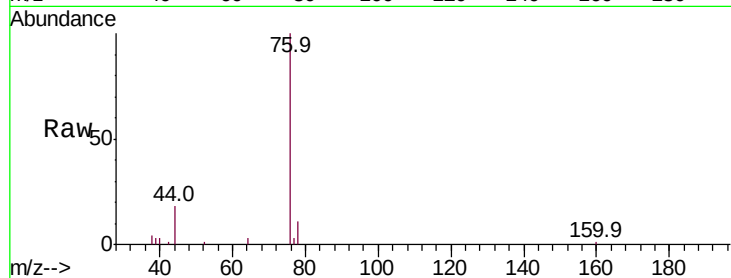




#17
Carbon Disulfide
Concen: 5.365 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

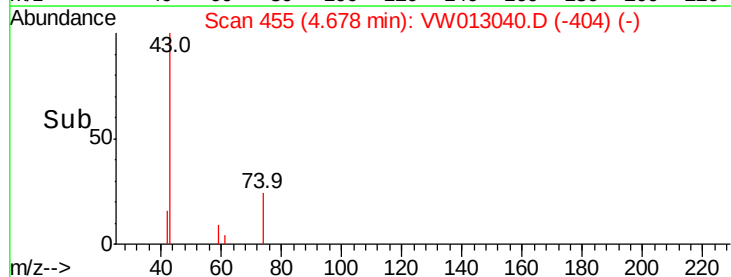
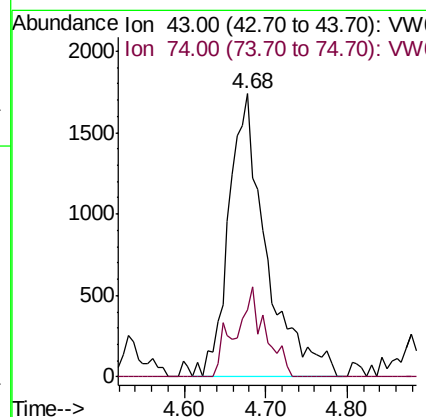
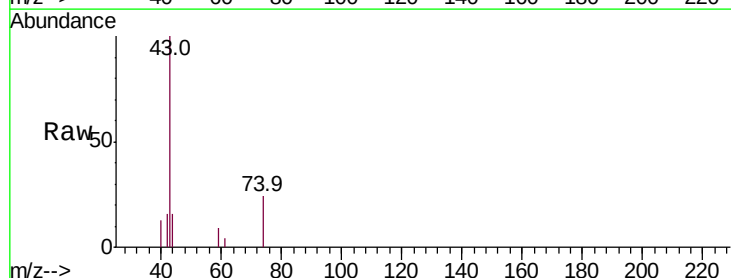
Instrument :
MSVOA_W
ClientSampleId :

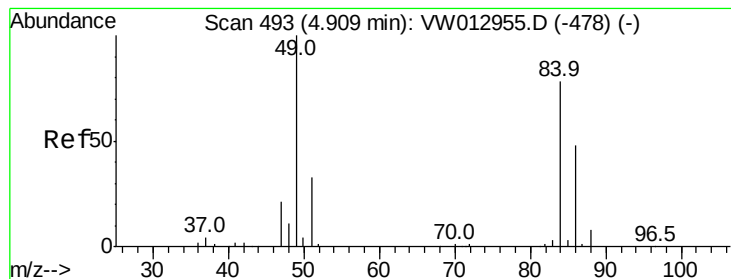
Tot Ion: 76 Resp: 15211
Ion Ratio Lower Upper
76 100
78 11.4 7.0 10.4#



#18
Methyl Acetate
Concen: 5.128 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
74 19.8 17.8 26.8





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 6015

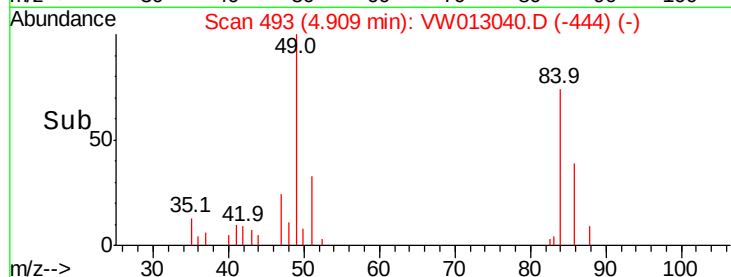
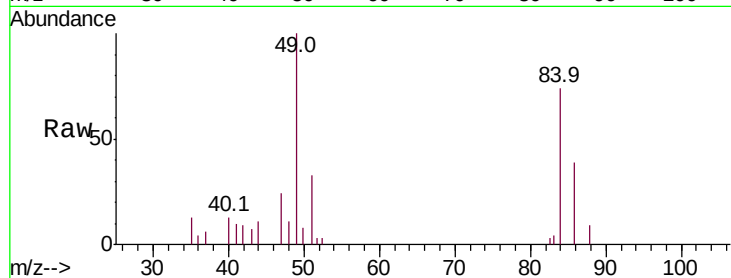
Ion Ratio Lower Upper

84 100

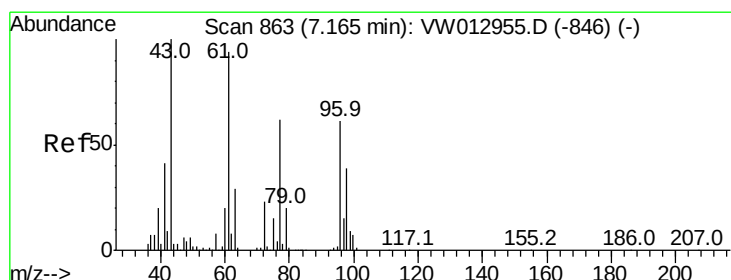
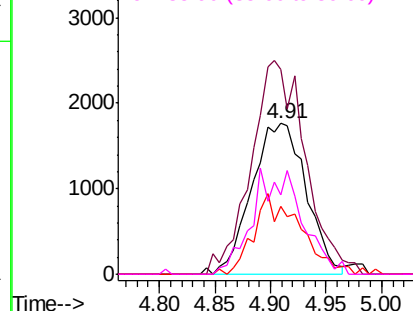
49 135.5 102.0 153.0

51 44.6 34.0 51.0

86 52.9 48.5 72.7



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



#25

2-Butanone

Concen: 11.307 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013040.D

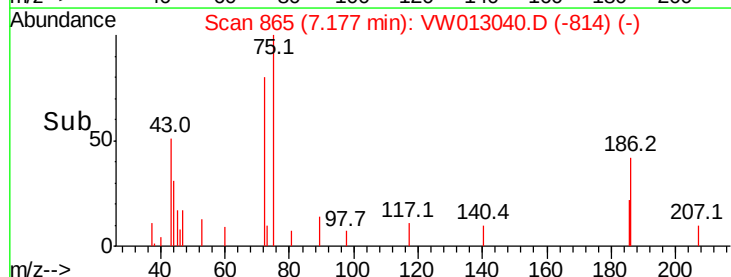
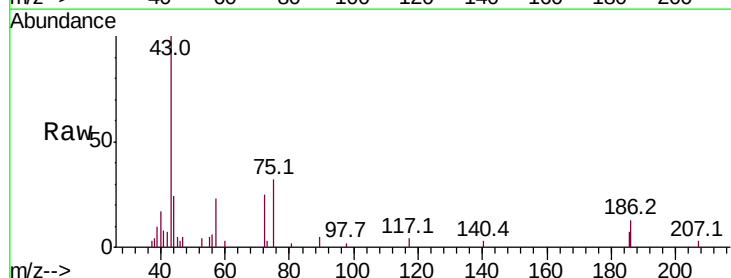
Acq: 16 Sep 2019 14:41

Tgt Ion: 43 Resp: 6844

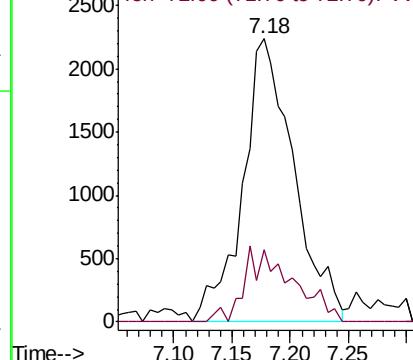
Ion Ratio Lower Upper

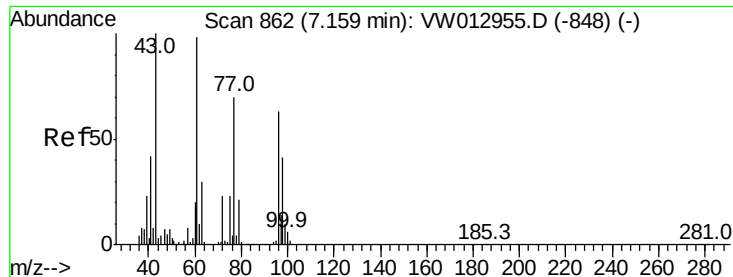
43 100

72 25.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

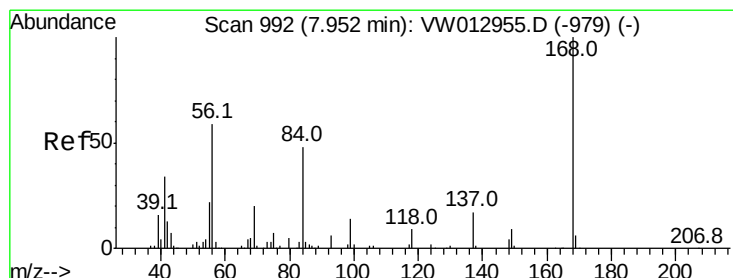
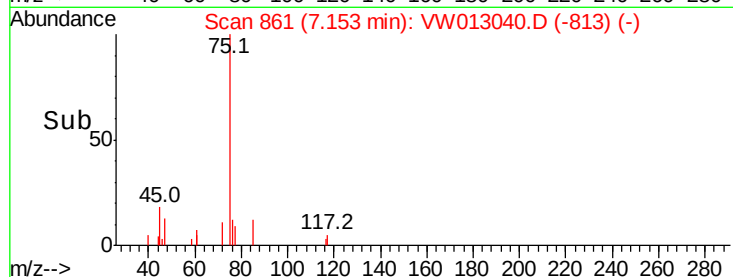
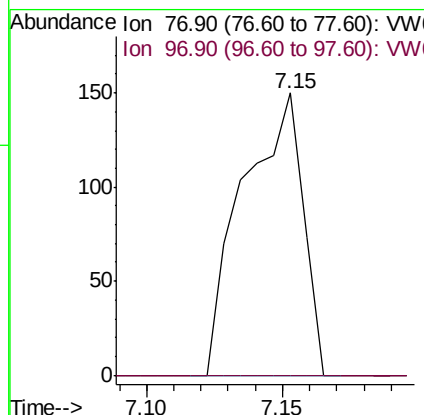
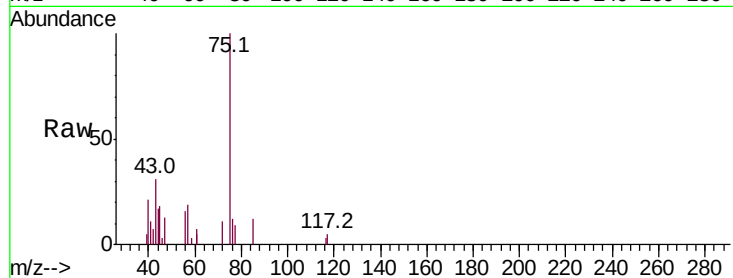




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

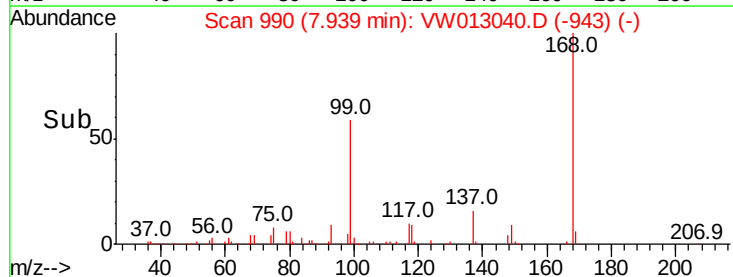
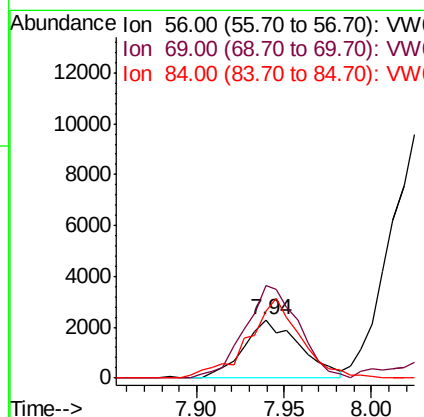
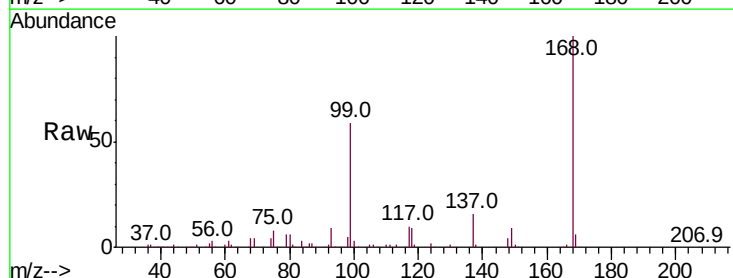
Instrument :
MSVOA_W
ClientSampleId :

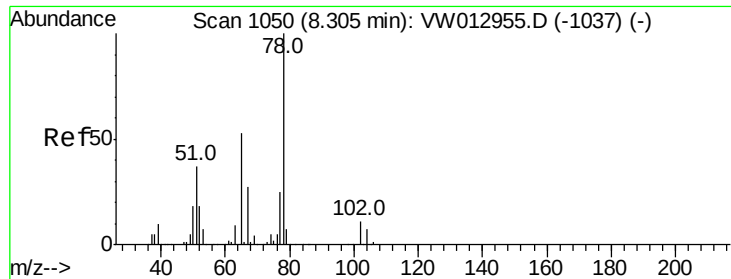
Tot Ion: 77 Resp: 229
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 56 Resp: 5164
Ion Ratio Lower Upper
56 100
69 158.1 27.0 40.6#
84 109.8 66.2 99.2#

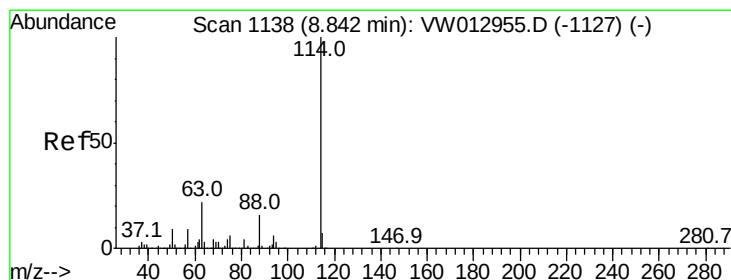
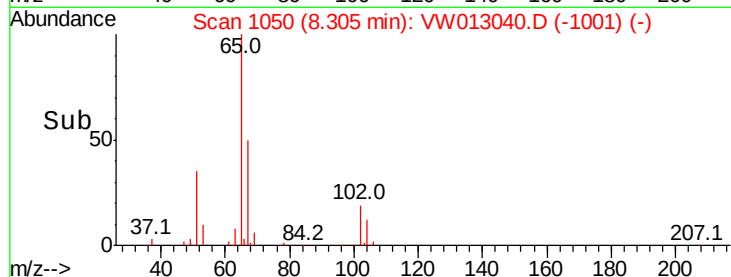
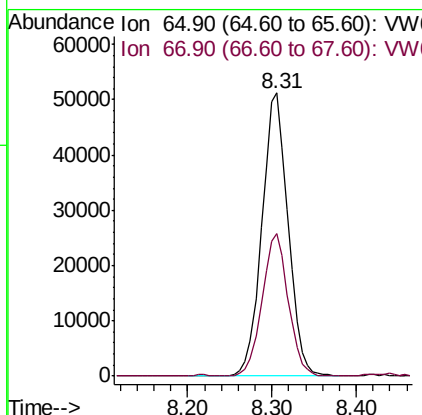
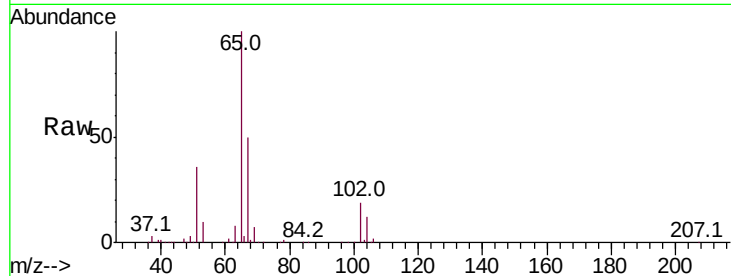




#33
 1,2-Dichloroethane-d4
 Concen: 57.480 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

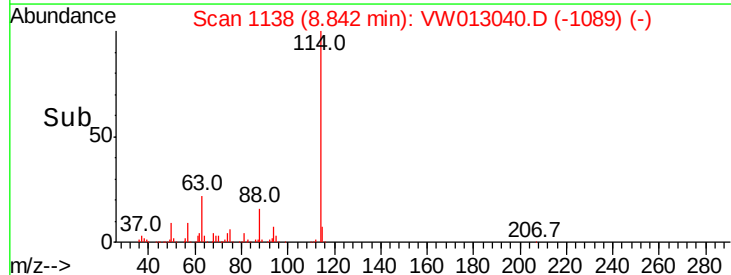
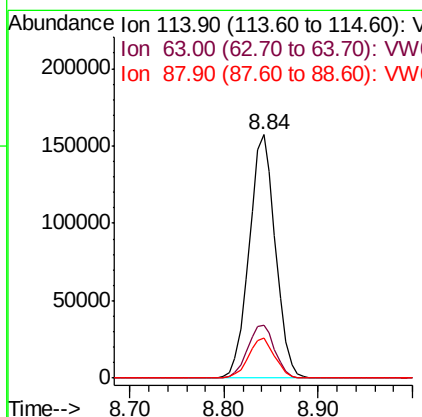
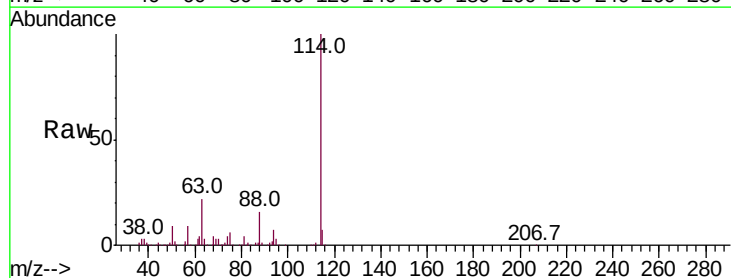
Instrument :
 MSVOA_W
 ClientSampleId :

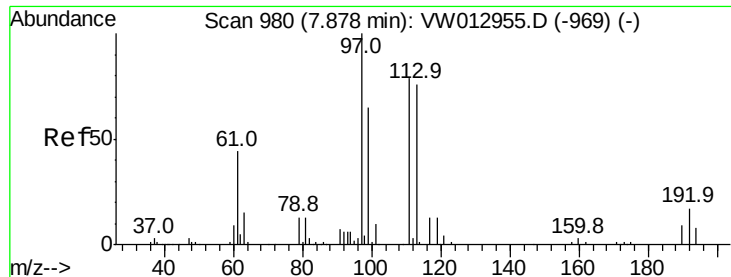
Tot Ion: 65 Resp: 109420
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

Tgt Ion: 114 Resp: 307557
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.885 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampled :

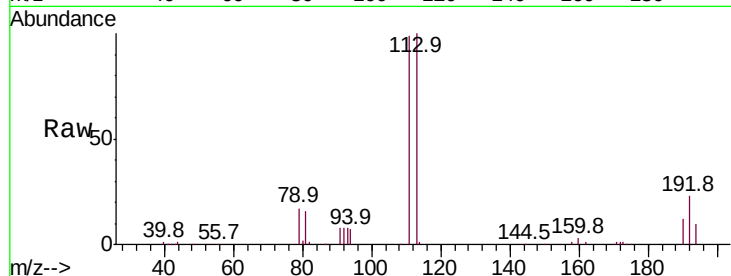
Tot Ion:113 Resp: 91594

Ion Ratio Lower Upper

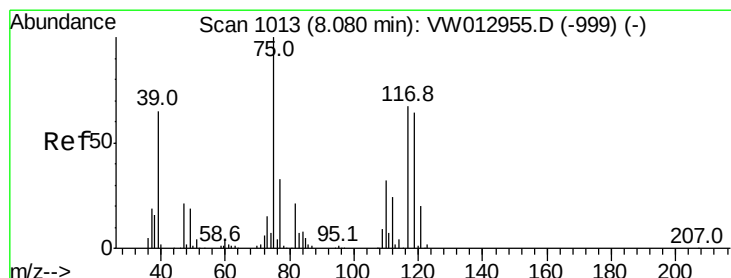
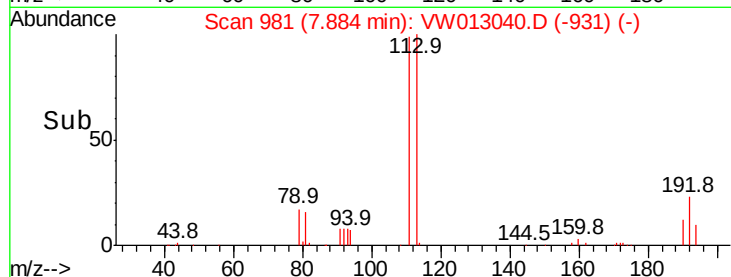
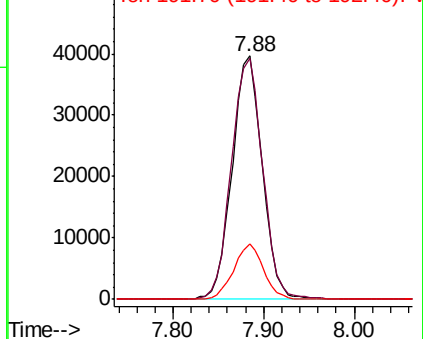
113 100

111 102.5 82.8 124.2

192 22.3 17.8 26.8



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: 6.287 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

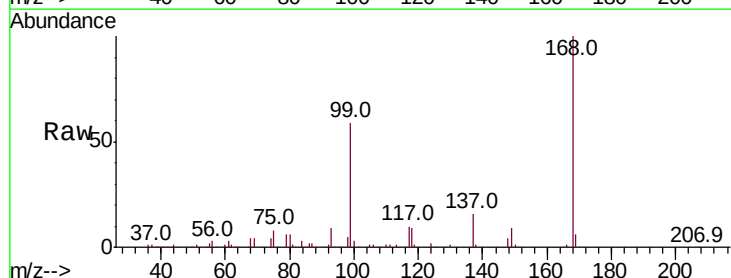
Tgt Ion: 75 Resp: 15452

Ion Ratio Lower Upper

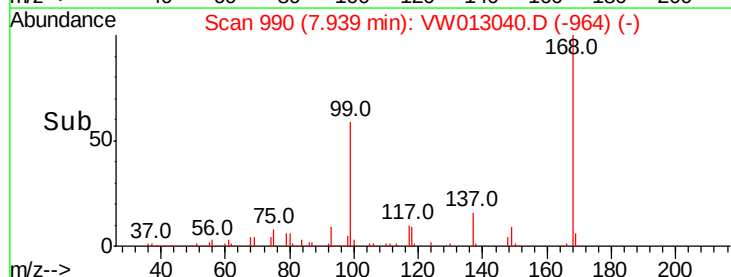
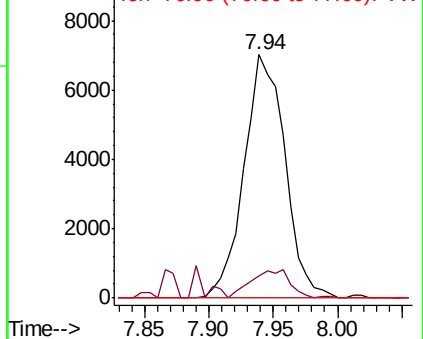
75 100

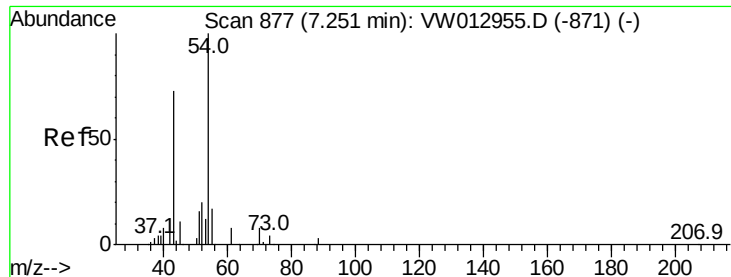
110 11.1 16.4 49.1#

77 0.0 25.1 37.7#



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: 5.247 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

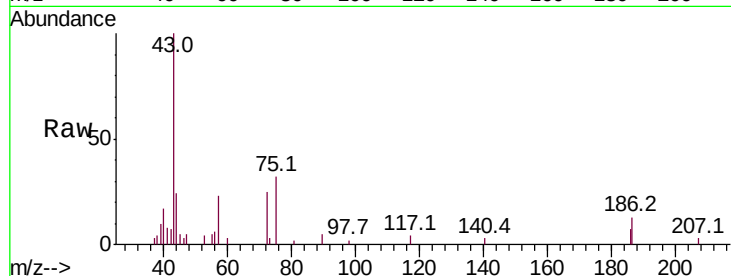
Tot Ion: 43 Resp: 6844

Ion Ratio Lower Upper

43 100

61 0.0 9.6 14.4#

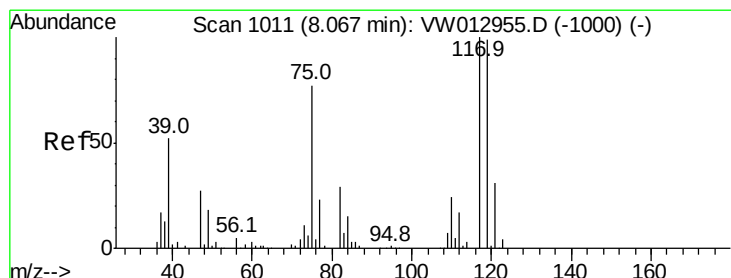
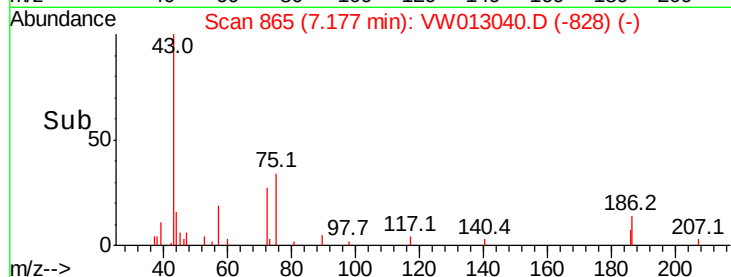
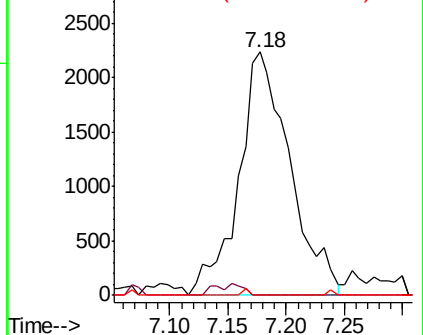
70 0.3 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.664 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

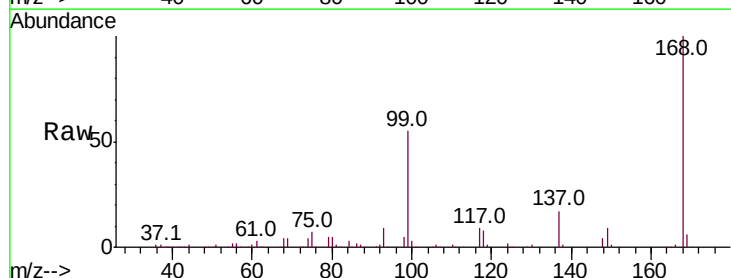
Tgt Ion: 117 Resp: 19303

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.0#

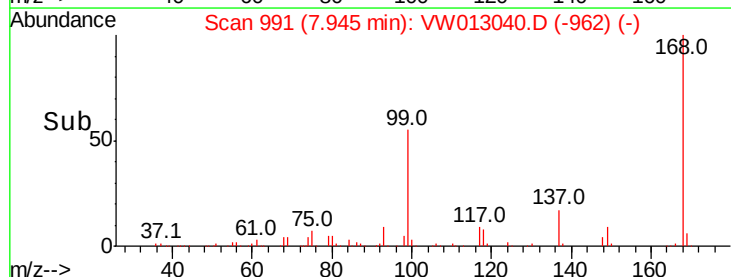
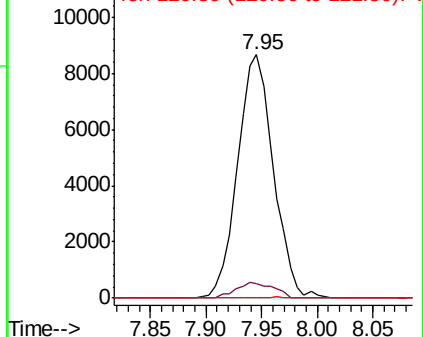
121 0.0 24.6 36.8#

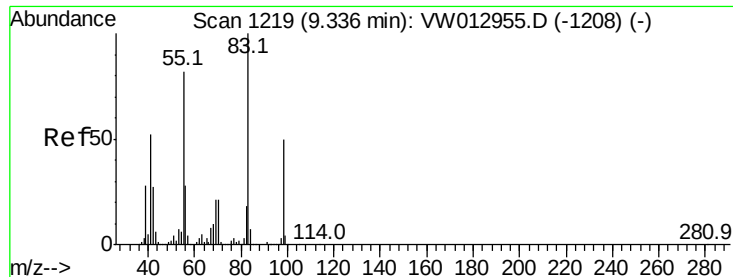


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

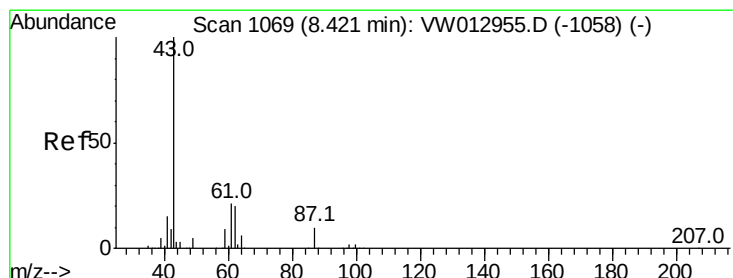
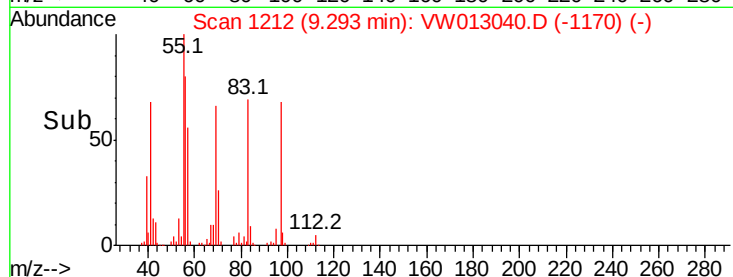
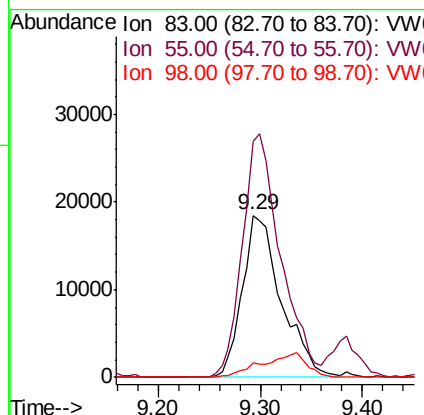
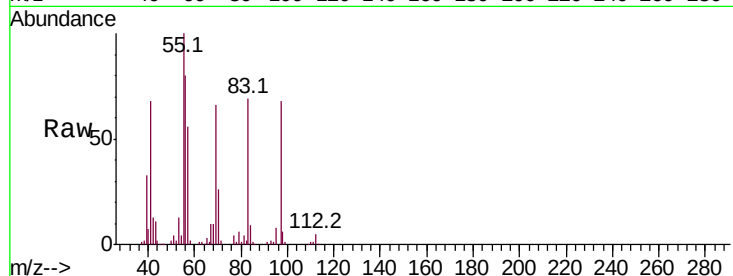




#39
Methylcyclohexane
Concen: 18.292 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.04 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

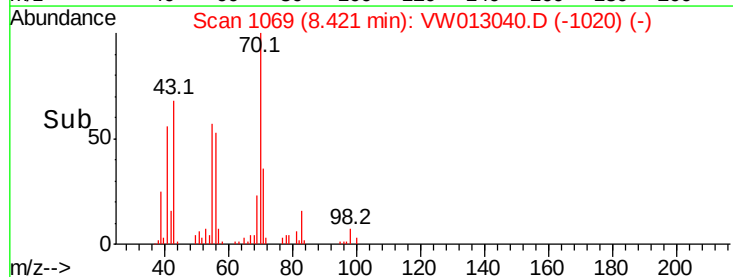
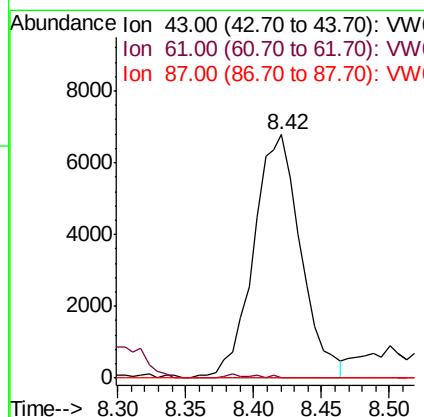
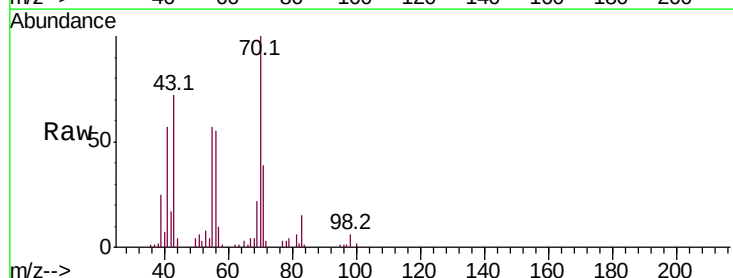
Instrument :
MSVOA_W
ClientSampleId :

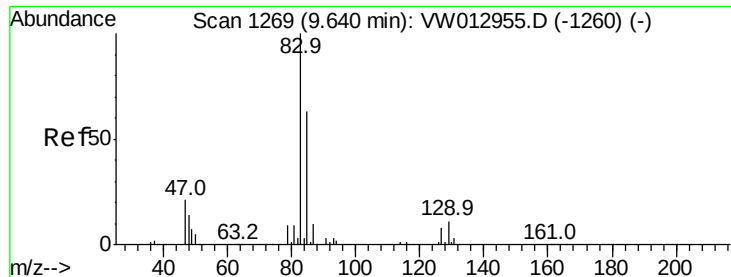
Tot Ion: 83 Resp: 49262
Ion Ratio Lower Upper
83 100
55 145.8 65.9 98.9#
98 8.7 39.6 59.4#



#43
Isopropyl Acetate
Concen: 6.590 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 43 Resp: 16506
Ion Ratio Lower Upper
43 100
61 0.0 22.7 34.1#
87 0.0 9.4 14.2#





#47

Bromodichloromethane

Concen: 3.612 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampled :

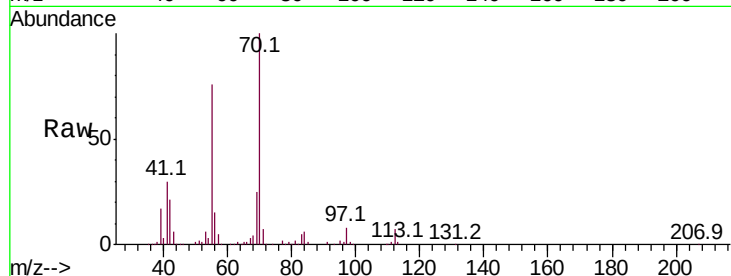
Tot Ion: 83 Resp: 8847

Ion Ratio Lower Upper

83 100

85 9.3 50.6 75.8#

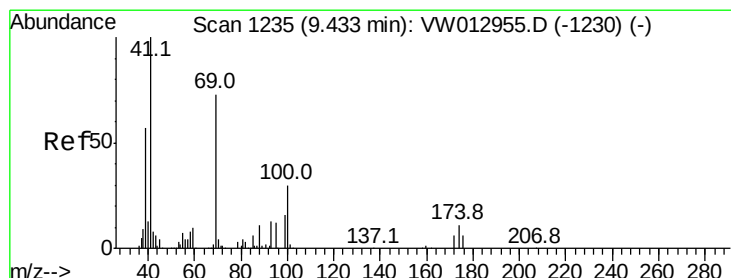
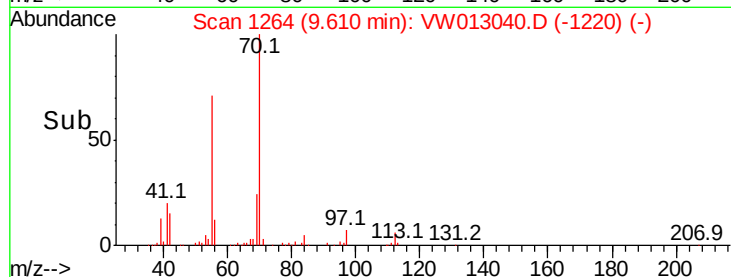
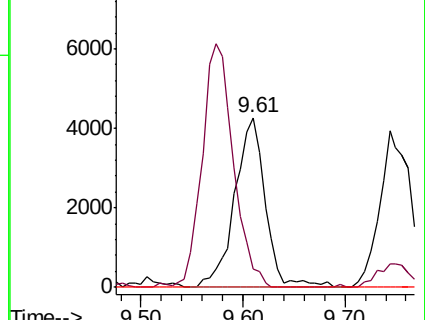
127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 3.552 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.03 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

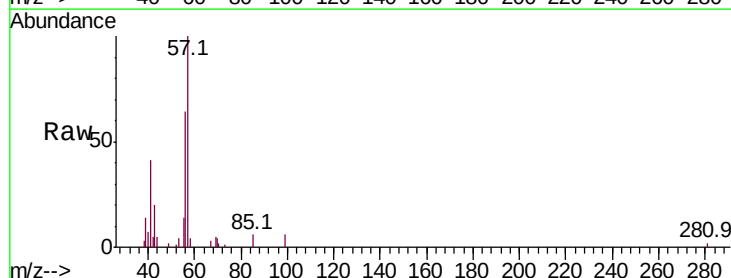
Tgt Ion: 41 Resp: 4175

Ion Ratio Lower Upper

41 100

69 0.0 62.8 94.2#

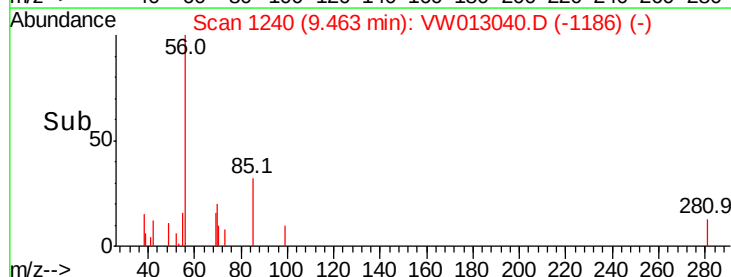
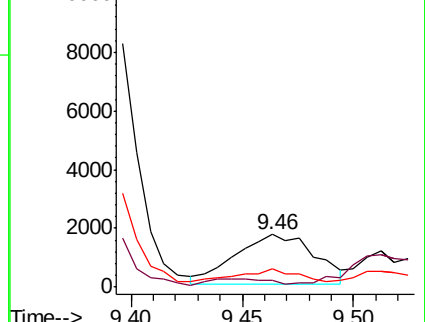
39 0.0 48.5 72.7#

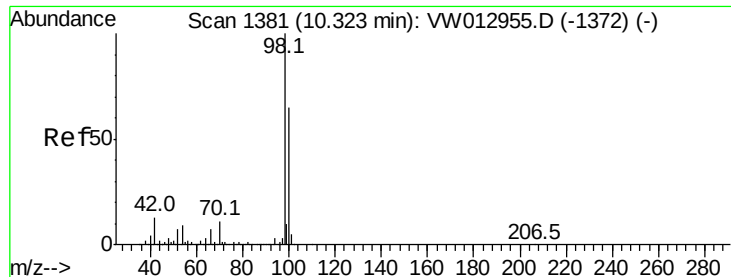


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 59.319 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

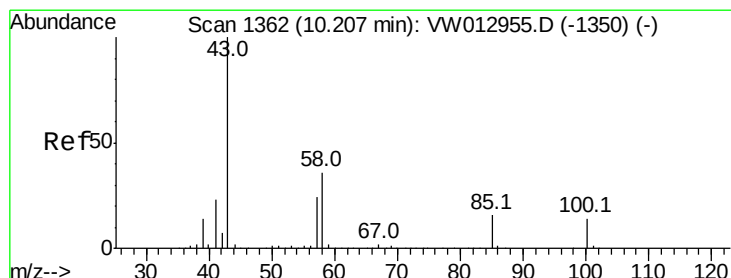
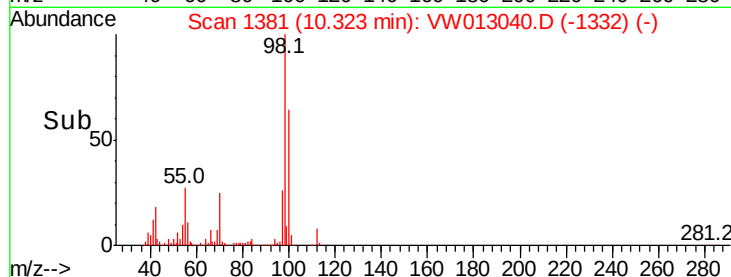
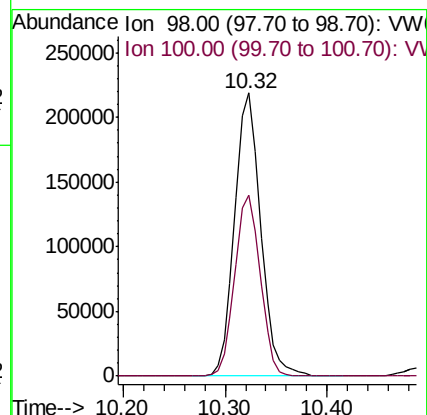
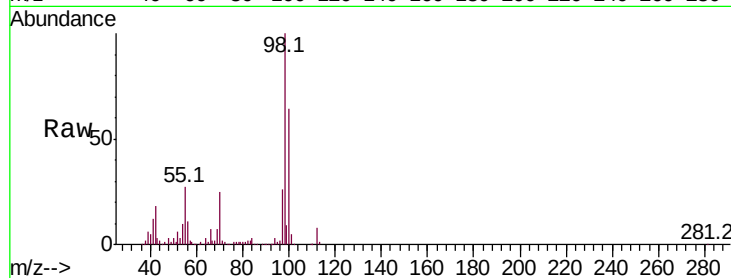
ClientSampleId :

Tot Ion: 98 Resp: 387374

Ion Ratio Lower Upper

98 100

100 62.1 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 4.003 ug/l

RT: 10.24 min Scan# 1368

Delta R.T. 0.04 min

Lab File: VW013040.D

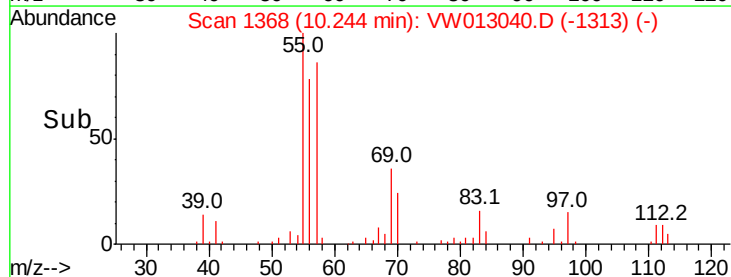
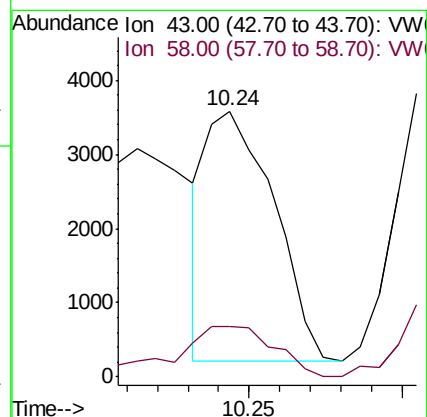
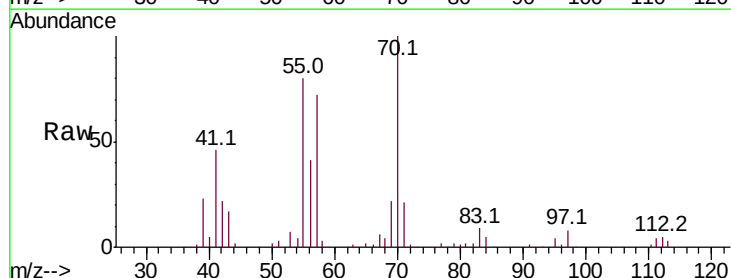
Acq: 16 Sep 2019 14:41

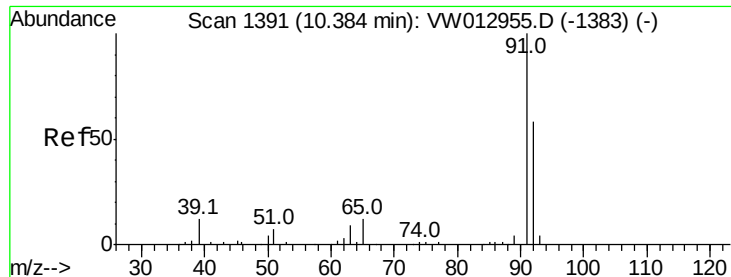
Tgt Ion: 43 Resp: 5176

Ion Ratio Lower Upper

43 100

58 31.9 29.5 44.3





#52

Toluene

Concen: 1.247 ug/l

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

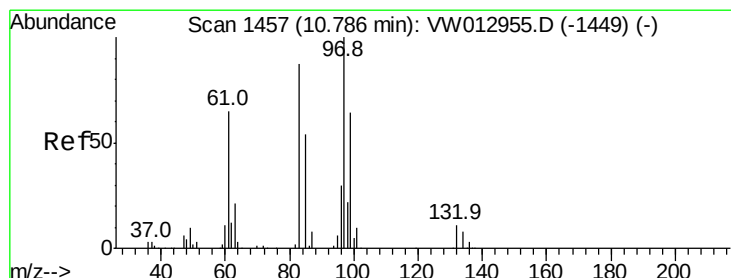
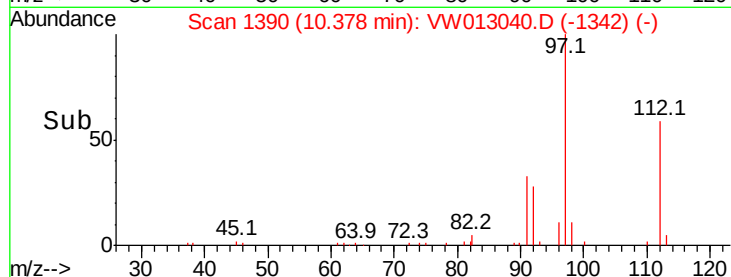
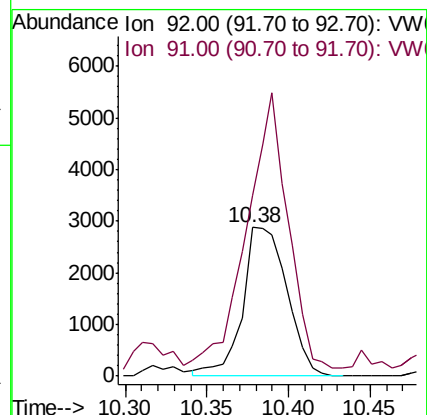
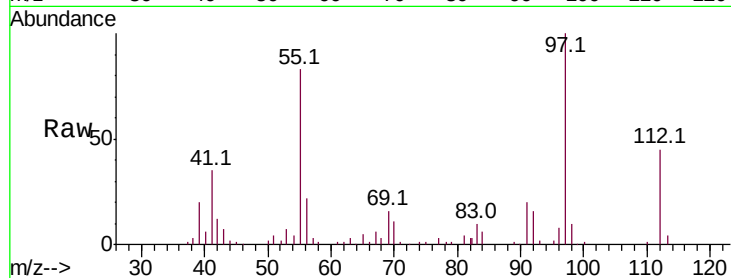
ClientSampleId :

Tot Ion: 92 Resp: 5435

Ion Ratio Lower Upper

92 100

91 171.5 137.5 206.3



#55

1,1,2-Trichloroethane

Concen: 143.085 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Tgt Ion: 97 Resp: 190362

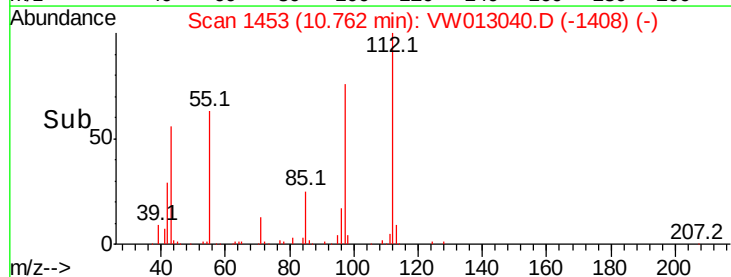
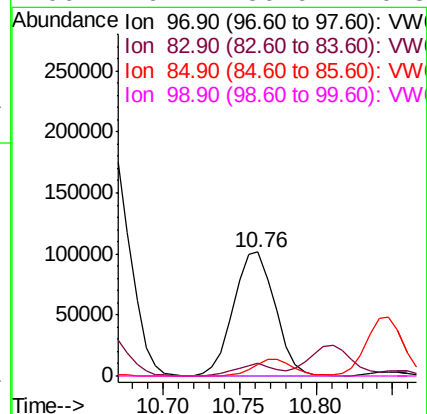
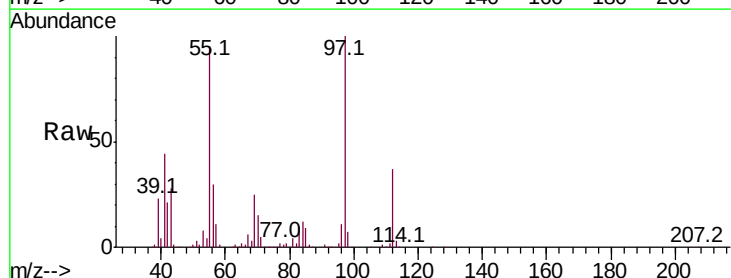
Ion Ratio Lower Upper

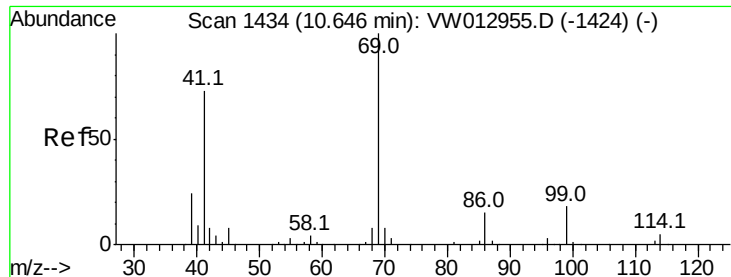
97 100

83 9.7 69.4 104.0#

85 9.0 43.3 64.9#

99 0.2 50.9 76.3#





#56

Ethyl methacrylate

Concen: 58.880 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

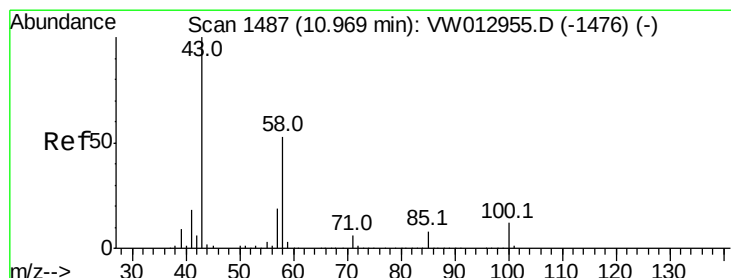
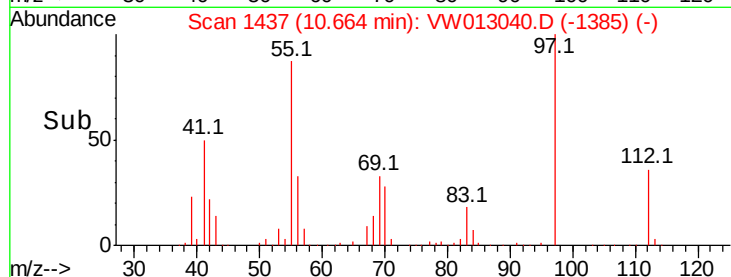
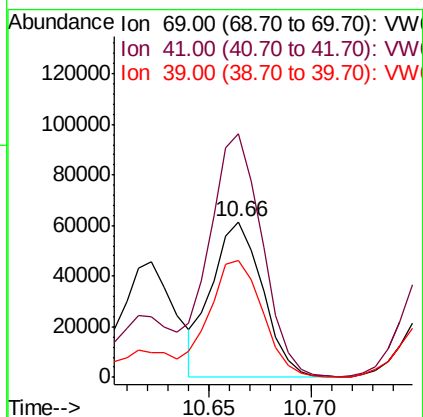
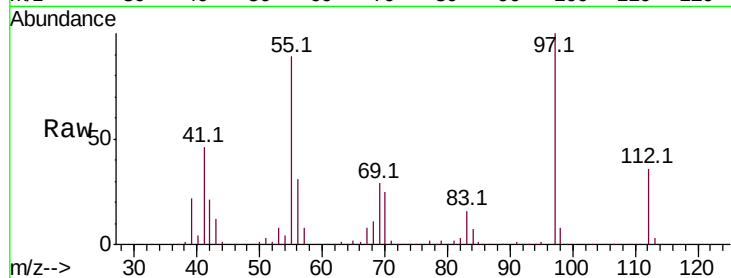
Tot Ion: 69 Resp: 105440

Ion Ratio Lower Upper

69 100

41 164.4 60.8 91.2#

39 78.8 29.4 44.0#



#59

2-Hexanone

Concen: 50.750 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW013040.D

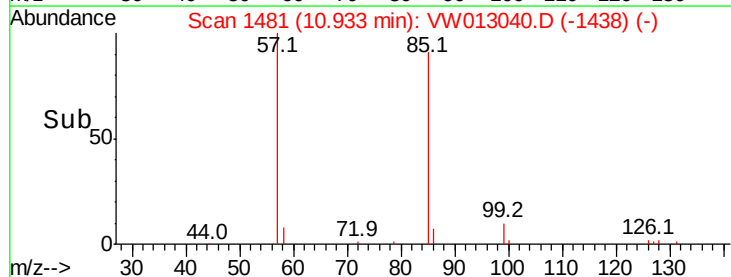
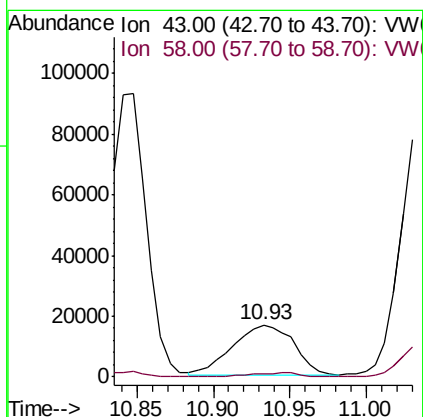
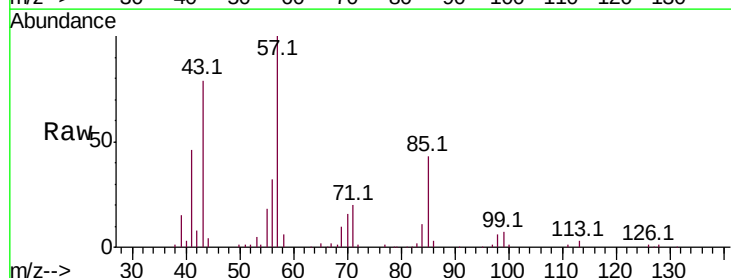
Acq: 16 Sep 2019 14:41

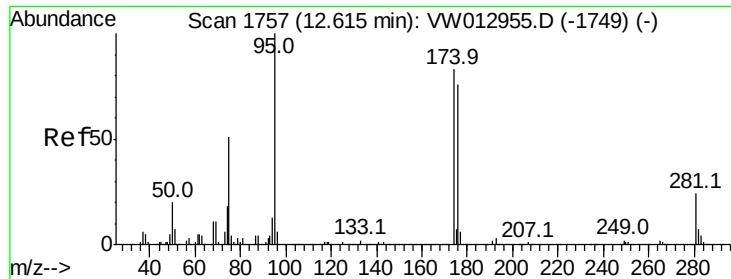
Tgt Ion: 43 Resp: 45695

Ion Ratio Lower Upper

43 100

58 6.6 25.8 77.3#

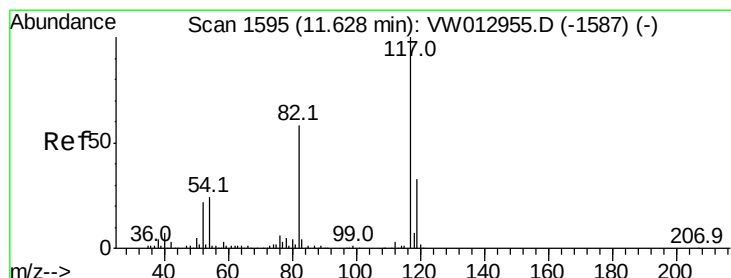
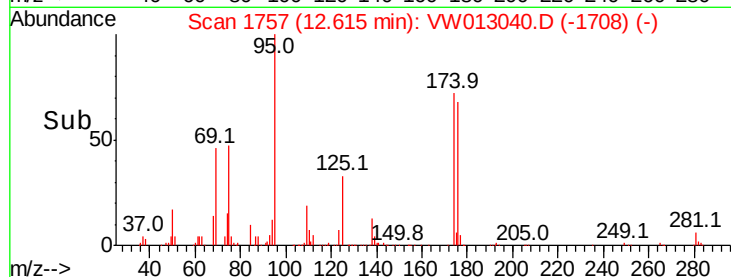
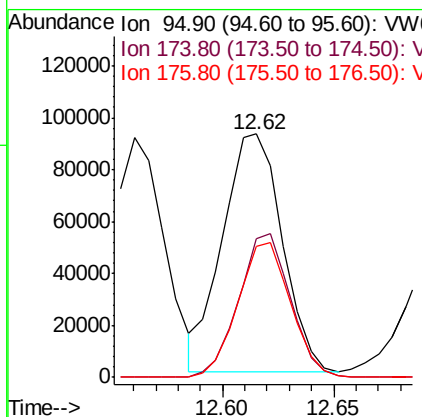
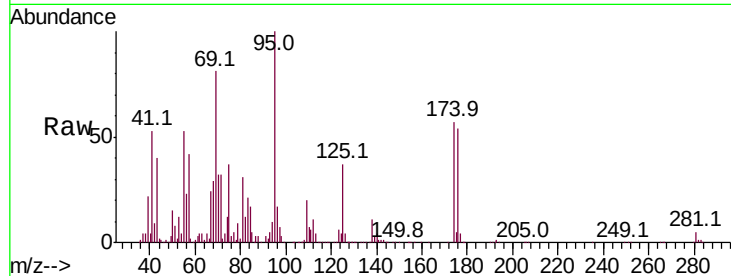




#62
4-Bromofluorobenzene
Concen: 72.559 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

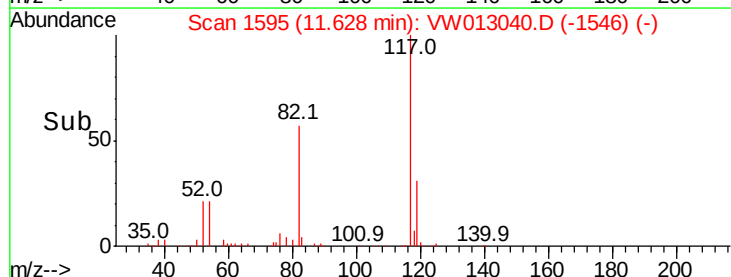
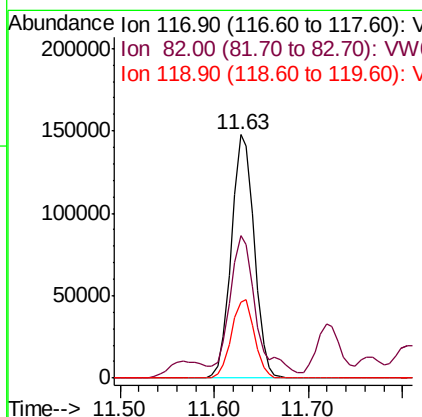
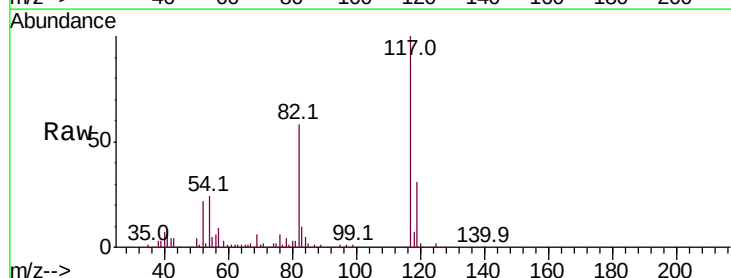
Instrument :
MSVOA_W
ClientSampleId :

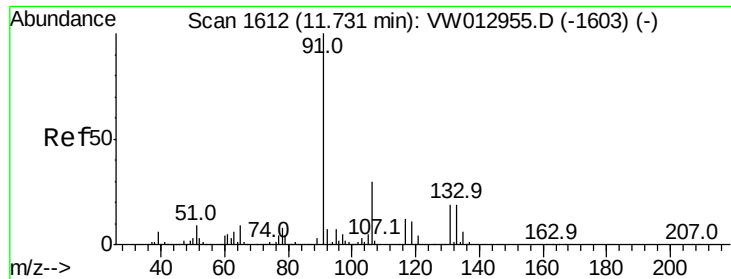
Tot Ion: 95 Resp: 170381
Ion Ratio Lower Upper
95 100
174 52.6 0.0 170.4
176 50.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 117 Resp: 248681
Ion Ratio Lower Upper
117 100
82 51.8 46.3 69.5
119 30.9 26.2 39.4

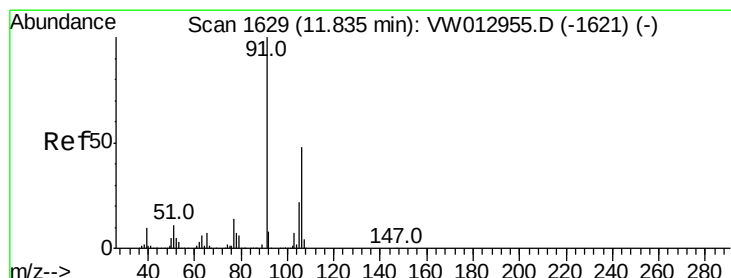
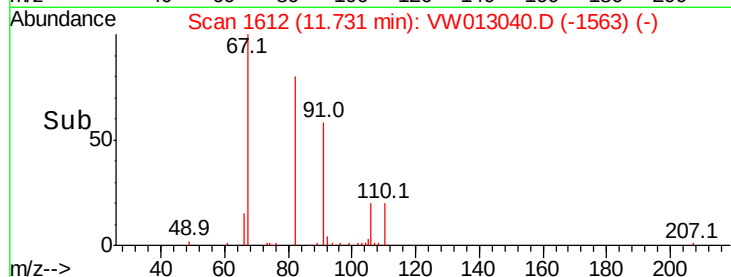
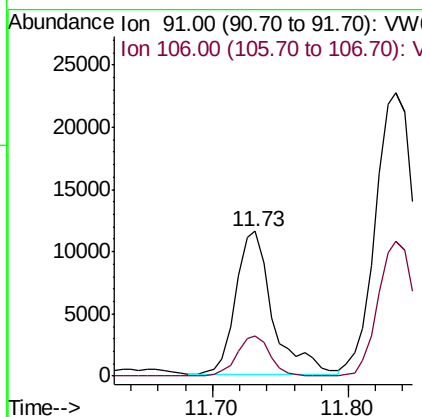
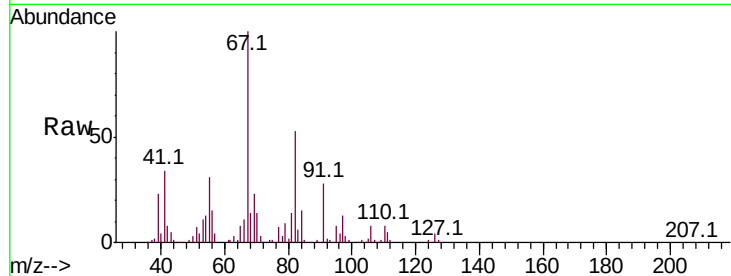




#67
Ethyl Benzene
Concen: 2.630 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

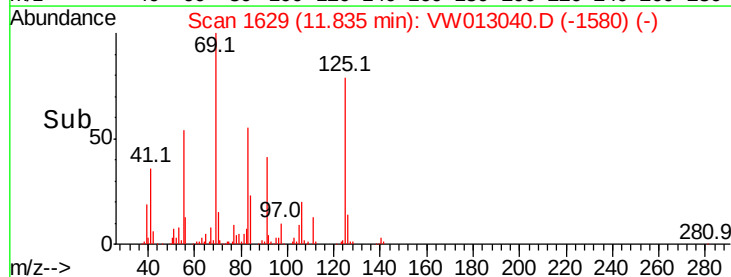
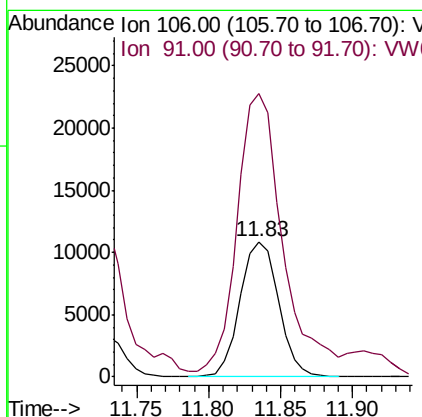
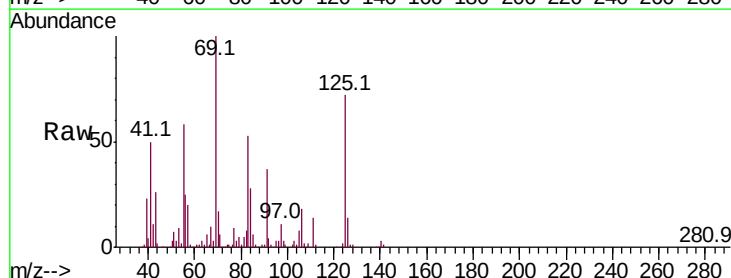
Instrument :
MSVOA_W
ClientSampled :

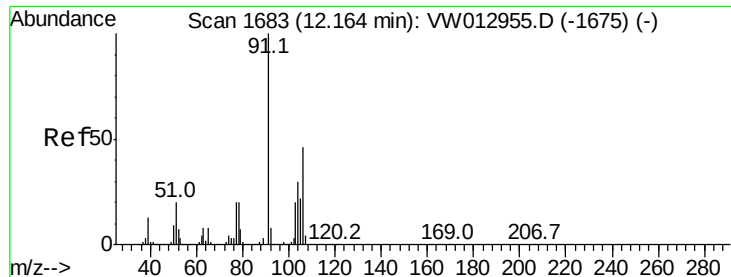
Tot Ion: 91 Resp: 21516
Ion Ratio Lower Upper
91 100
106 27.8 24.3 36.5



#68
m/p-Xylenes
Concen: 6.755 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 106 Resp: 20188
Ion Ratio Lower Upper
106 100
91 238.6 165.8 248.8

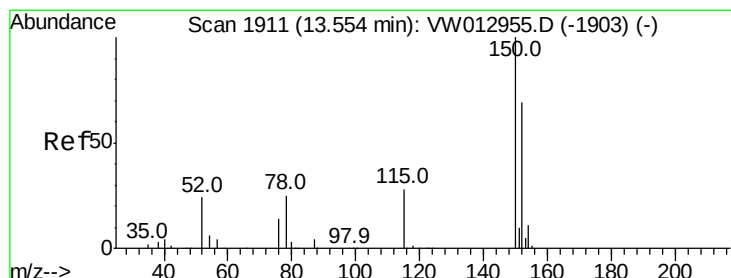
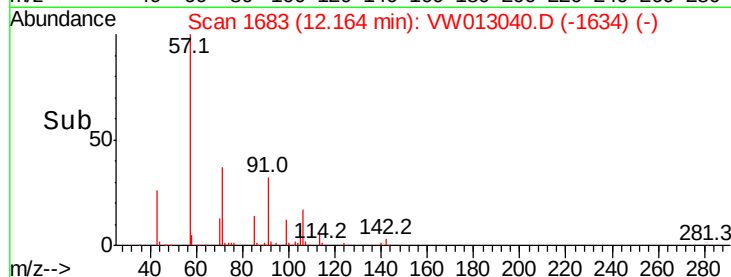
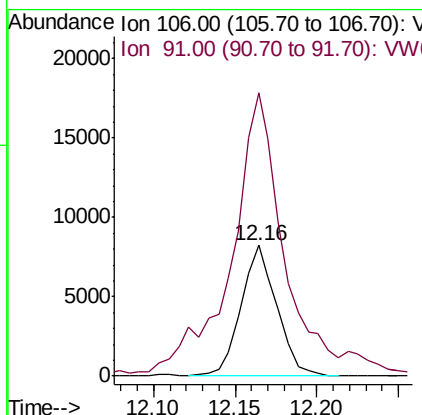
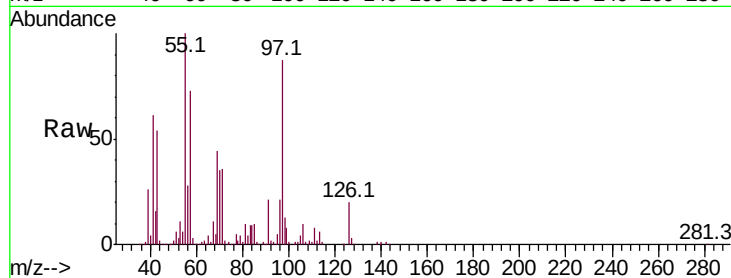




#69
o-Xylene
Concen: 4.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

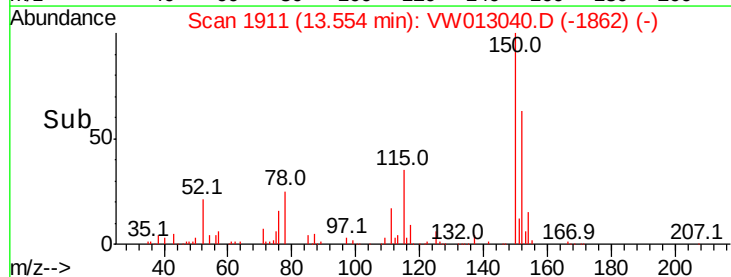
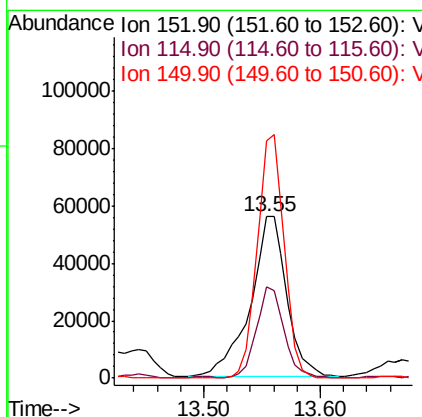
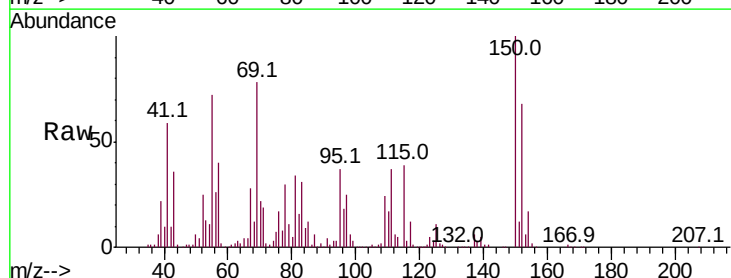
Instrument :
MSVOA_W
ClientSampled :

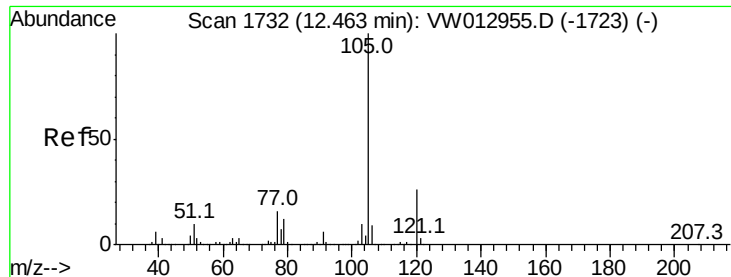
Tot Ion:106 Resp: 12572
Ion Ratio Lower Upper
106 100
91 301.7 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion:152 Resp: 122165
Ion Ratio Lower Upper
152 100
115 43.0 28.8 86.4
150 112.1 0.0 340.2





#73

Isopropylbenzene

Concen: 1.249 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

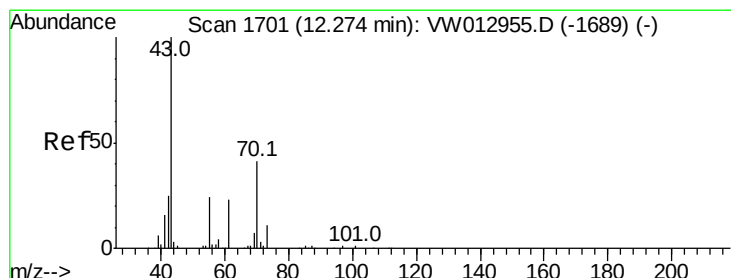
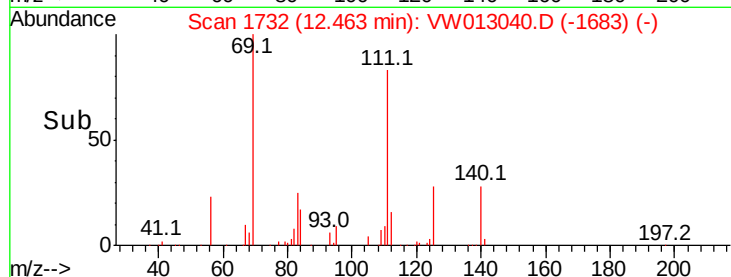
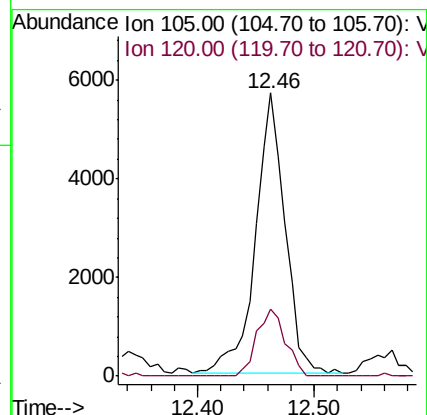
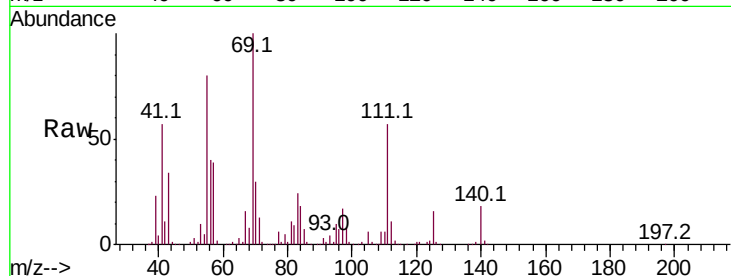
ClientSampleId :

Tot Ion:105 Resp: 10113

Ion Ratio Lower Upper

105 100

120 23.1 13.0 39.0



#74

N-ethyl acetate

Concen: 58.998 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Tgt Ion: 43 Resp: 122893

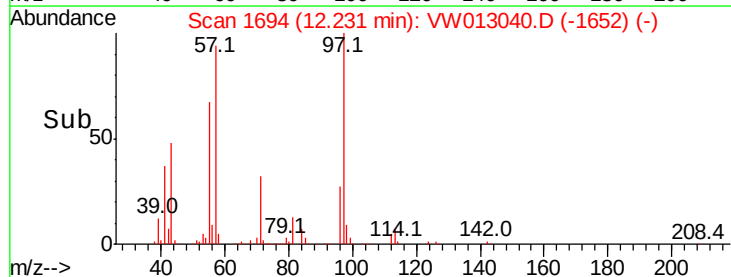
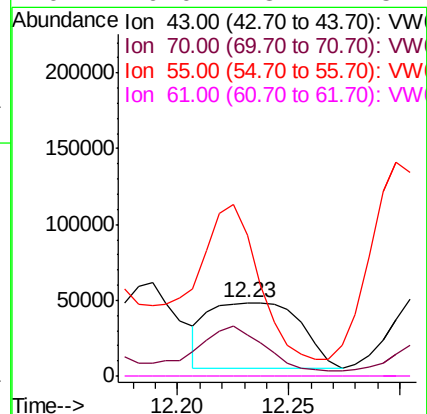
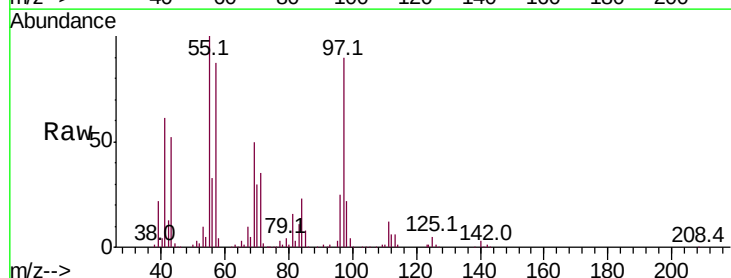
Ion Ratio Lower Upper

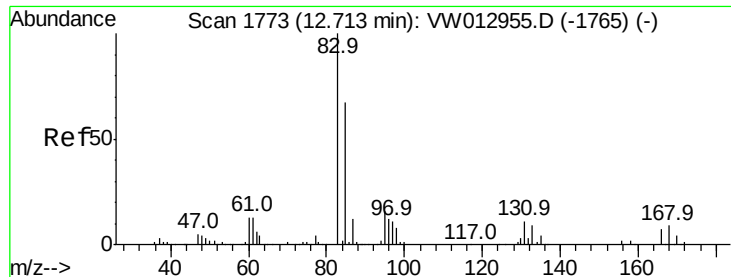
43 100

70 49.0 31.7 47.5#

55 157.4 19.4 29.2#

61 0.0 18.7 28.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 35.512 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampled :

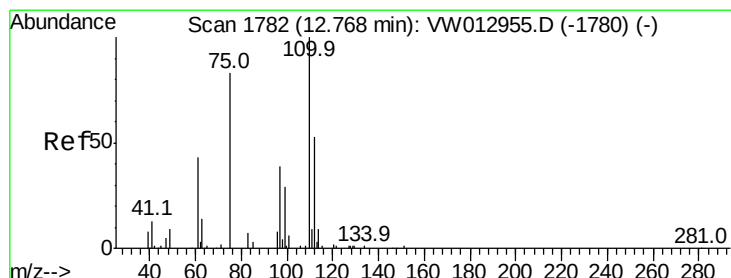
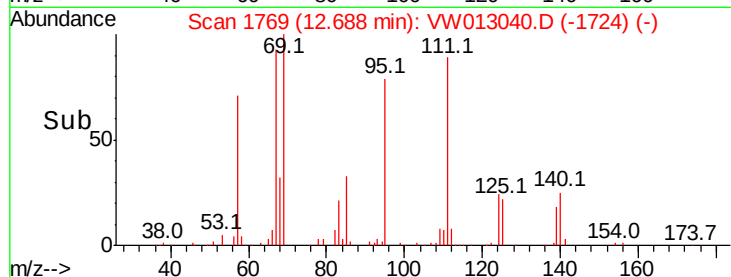
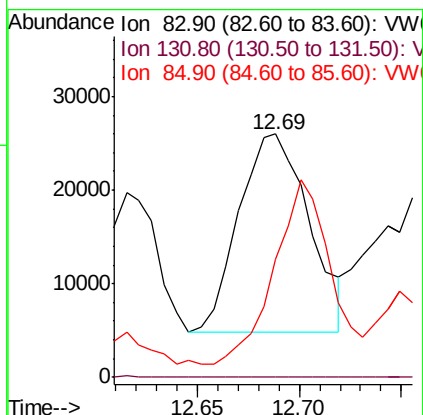
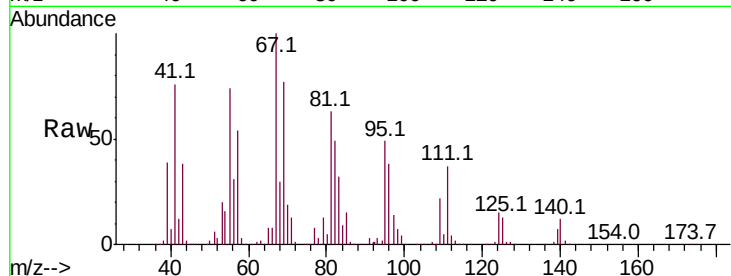
Tot Ion: 83 Resp: 50506

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 73.6 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 50.650 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013040.D

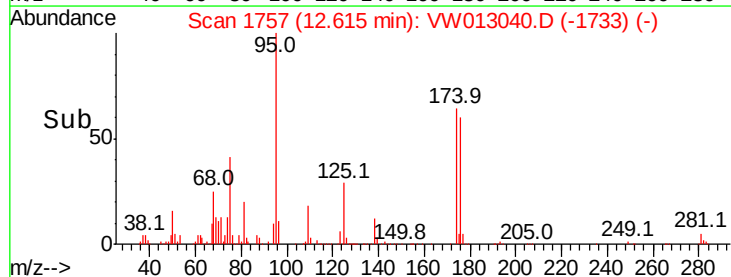
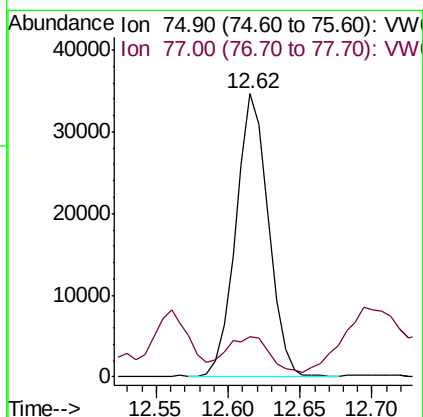
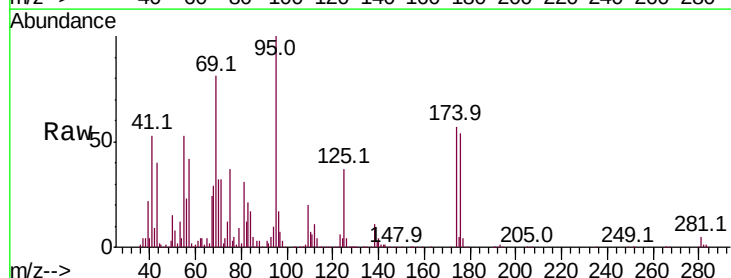
Acq: 16 Sep 2019 14:41

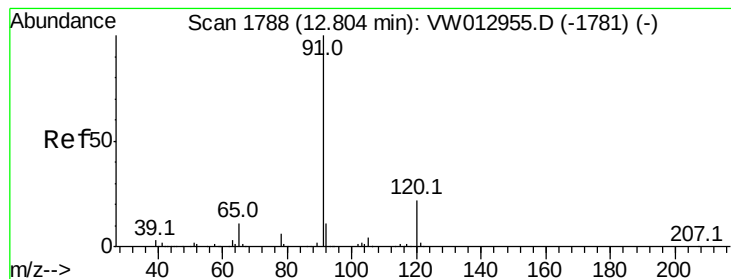
Tgt Ion: 75 Resp: 54199

Ion Ratio Lower Upper

75 100

77 16.5 0.0 0.0#





#78

n-propylbenzene

Concen: 3.539 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

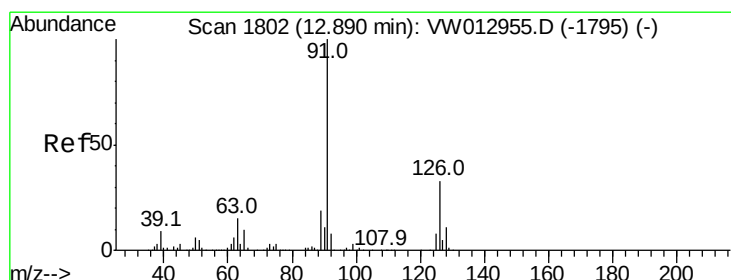
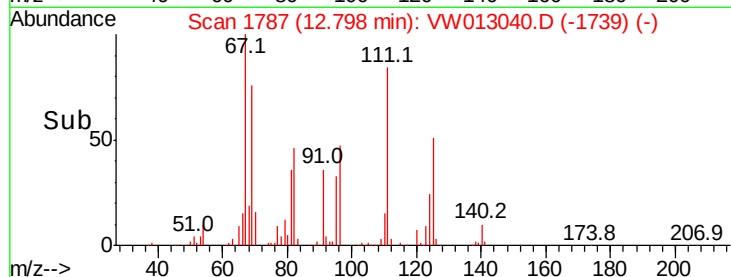
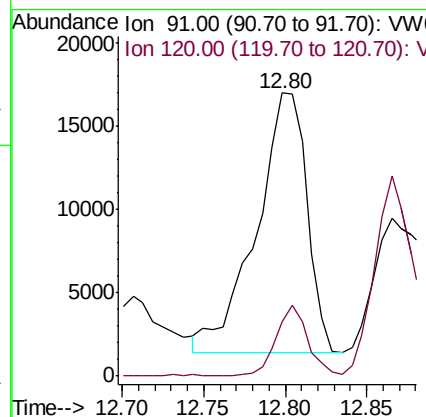
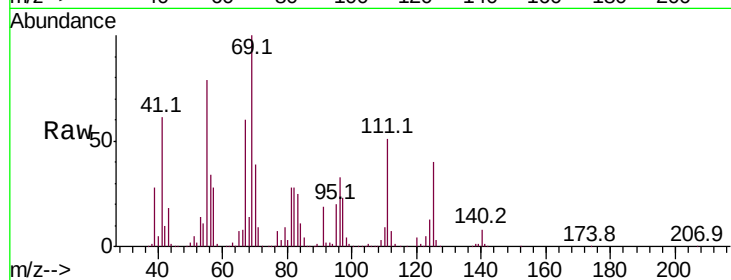
ClientSampleId :

Tot Ion: 91 Resp: 33708

Ion Ratio Lower Upper

91 100

120 17.4 11.2 33.5



#79

2-Chlorotoluene

Concen: 4.103 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. -0.02 min

Lab File: VW013040.D

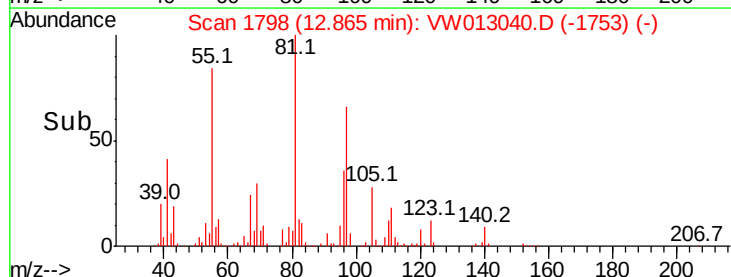
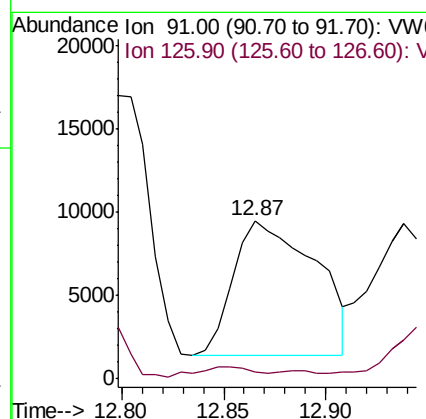
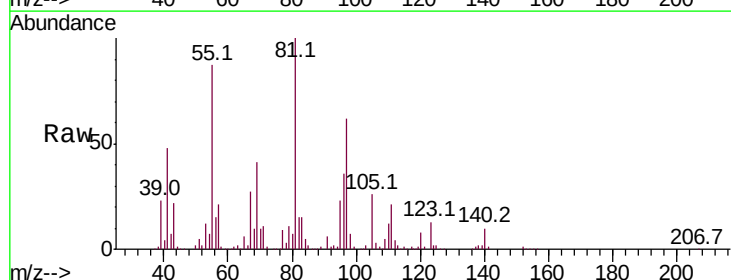
Acq: 16 Sep 2019 14:41

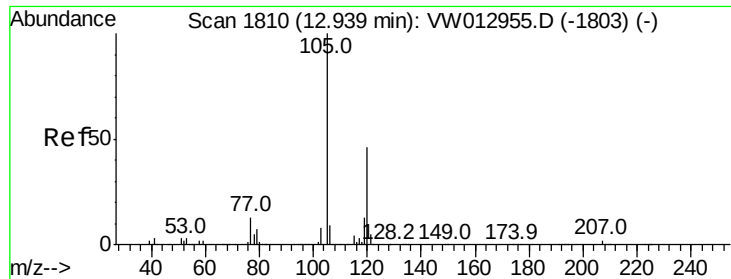
Tgt Ion: 91 Resp: 22466

Ion Ratio Lower Upper

91 100

126 4.9 16.5 49.5#

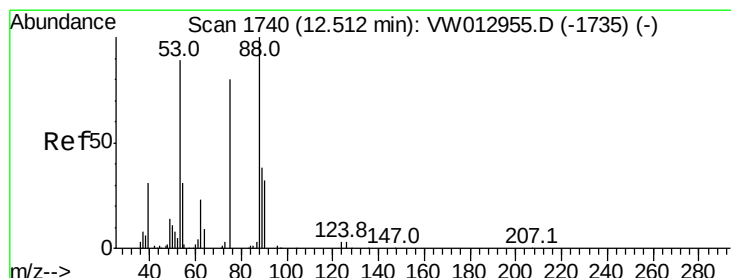
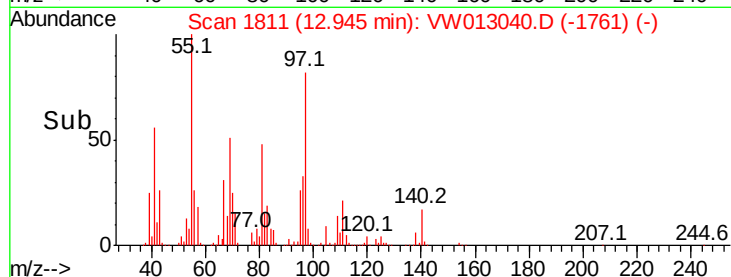
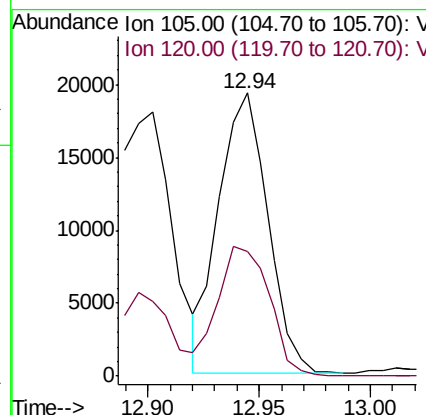
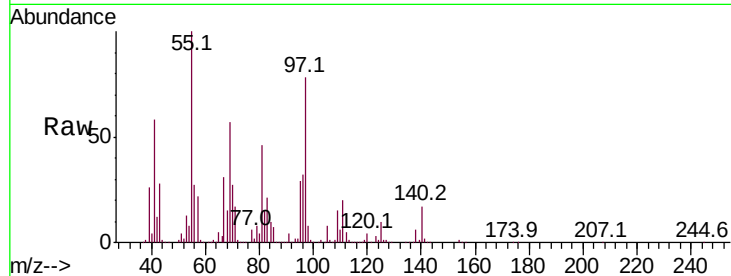




#80
 1,3,5-Trimethylbenzene
 Concen: 4.309 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

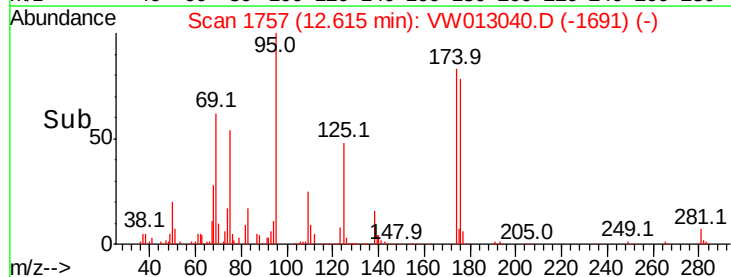
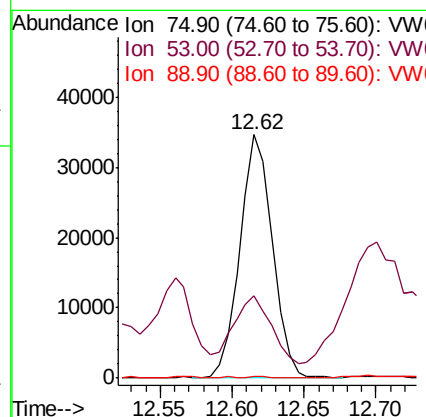
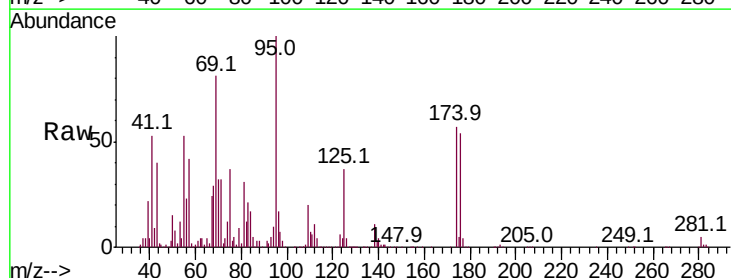
Instrument :
 MSVOA_W
 ClientSampleId :

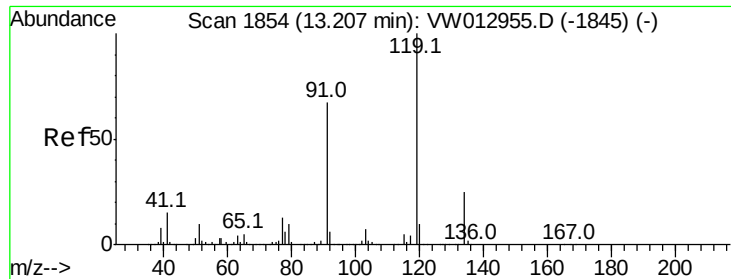
Tot Ion:105 Resp: 29518
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.899 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

Tgt Ion: 75 Resp: 54199
 Ion Ratio Lower Upper
 75 100
 53 32.0 85.6 128.4#
 89 0.6 37.2 55.8#

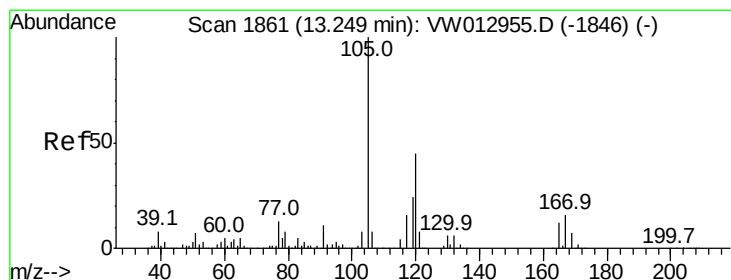
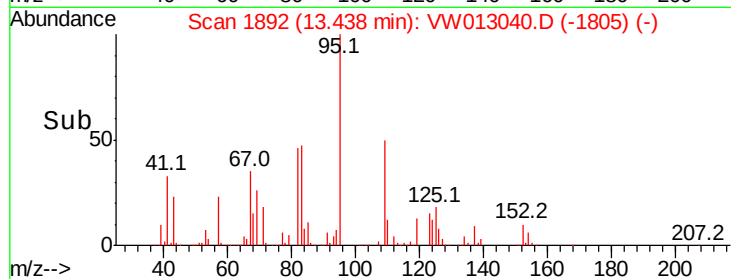
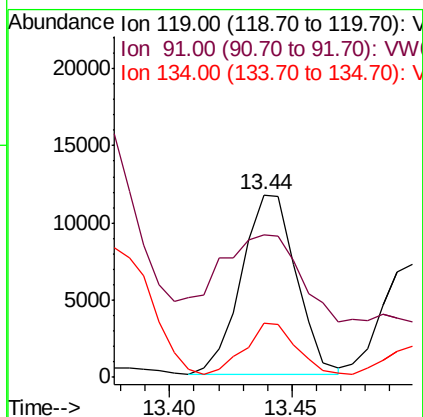
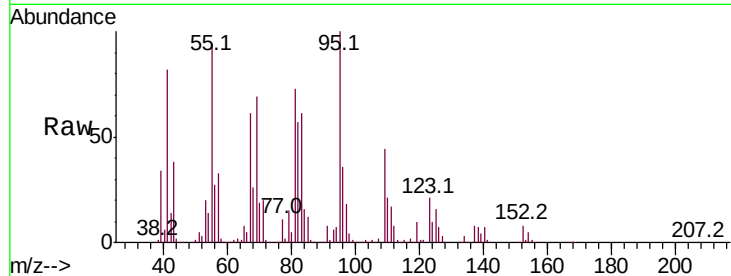




#83
 tert-Butylbenzene
 Concen: 2.982 ug/l
 RT: 13.44 min Scan# 1892
 Delta R.T. 0.23 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

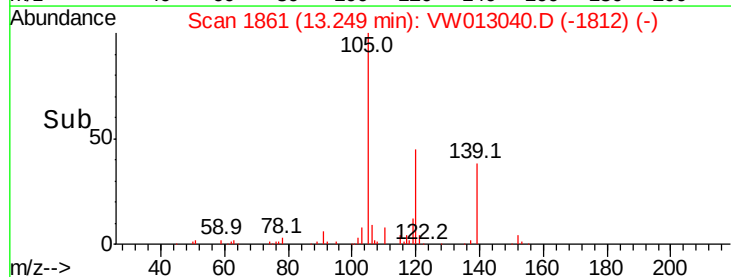
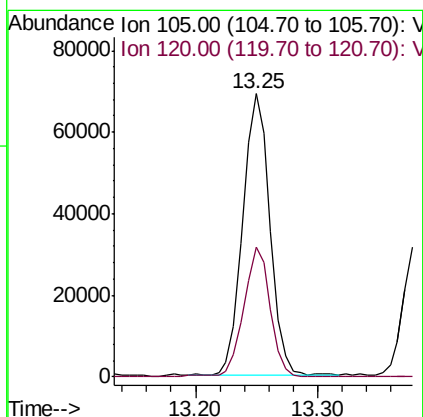
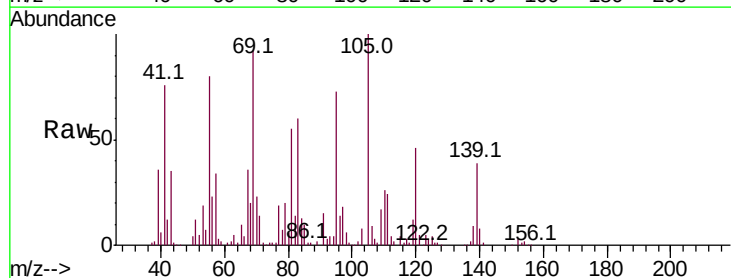
Instrument :
 MSVOA_W
 ClientSampled :

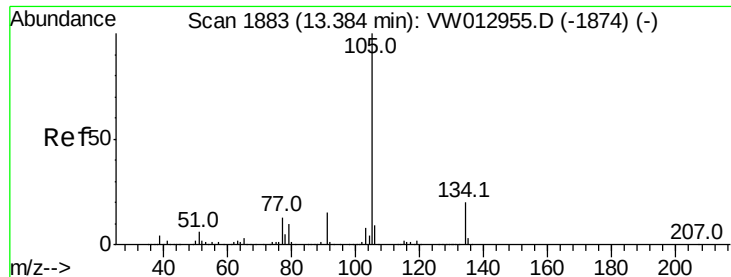
Tot Ion:119 Resp: 18275
 Ion Ratio Lower Upper
 119 100
 91 70.8 32.6 98.0
 134 26.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 15.636 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013040.D
 Acq: 16 Sep 2019 14:41

Tgt Ion:105 Resp: 105843
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 6.623 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

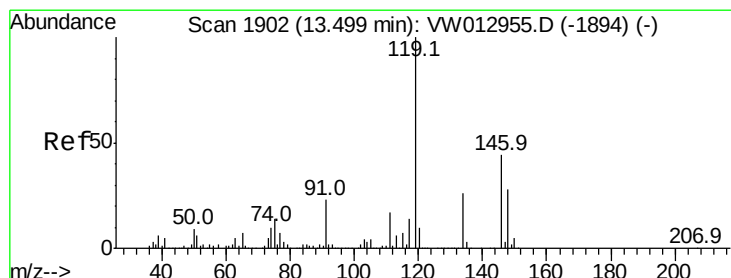
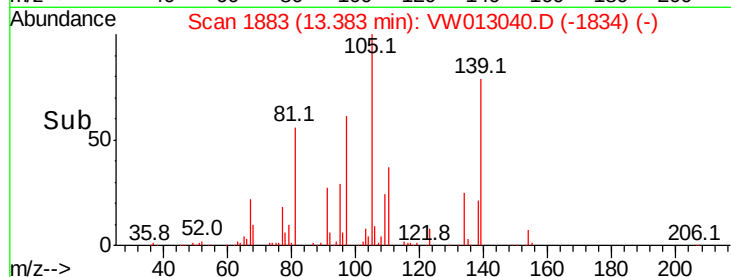
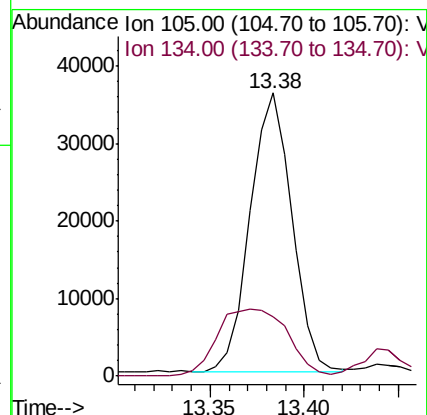
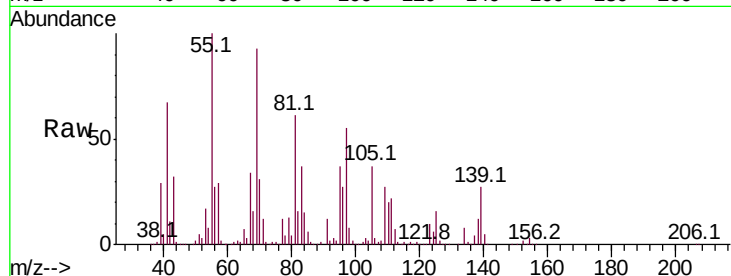
ClientSampled :

Tot Ion:105 Resp: 55290

Ion Ratio Lower Upper

105 100

134 40.5 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 1.413 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

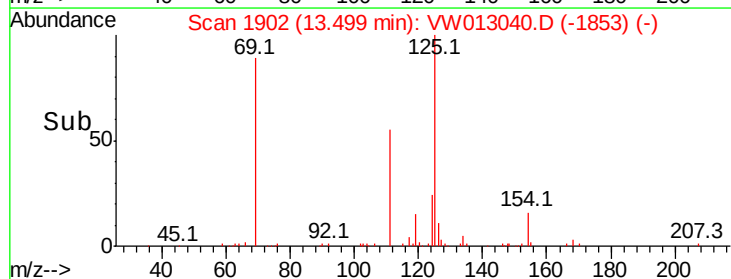
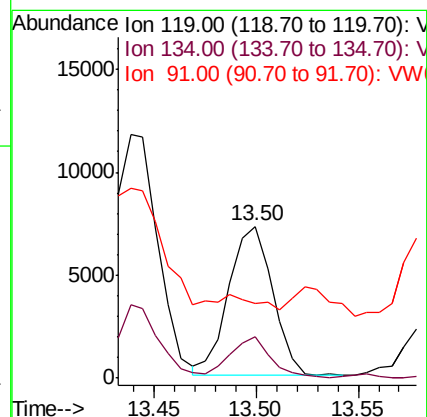
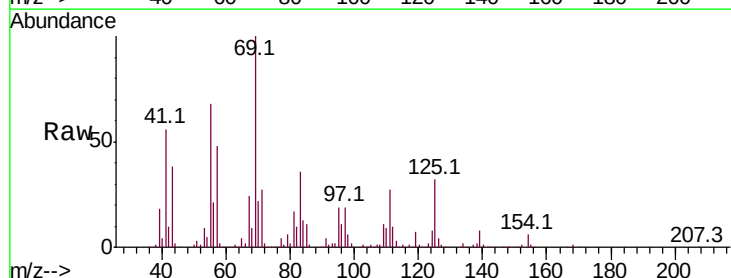
Tgt Ion:119 Resp: 10832

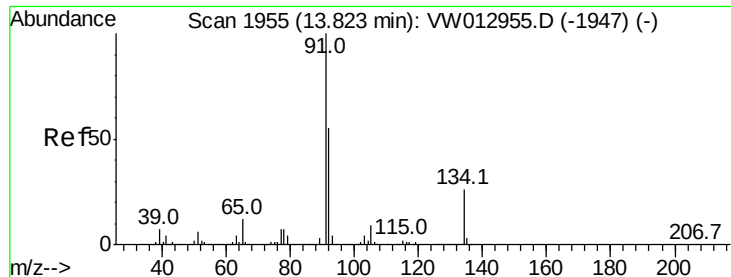
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 0.0 11.8 35.4#

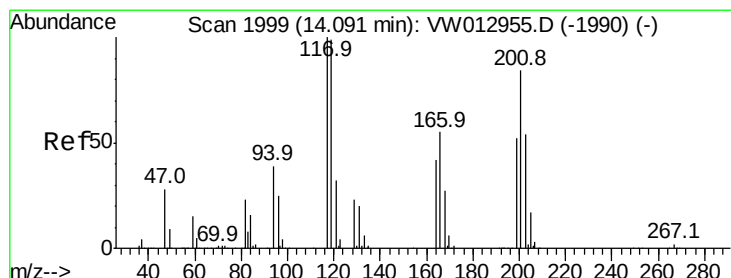
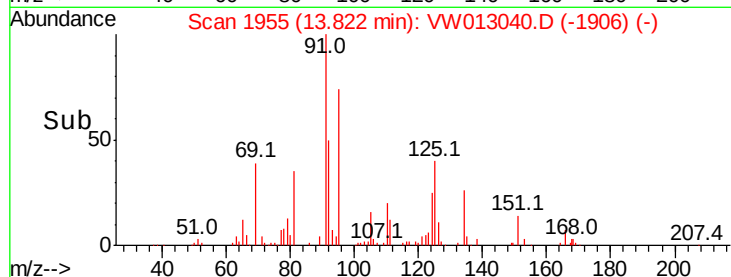
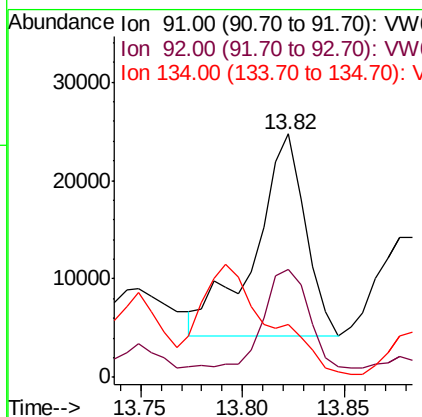
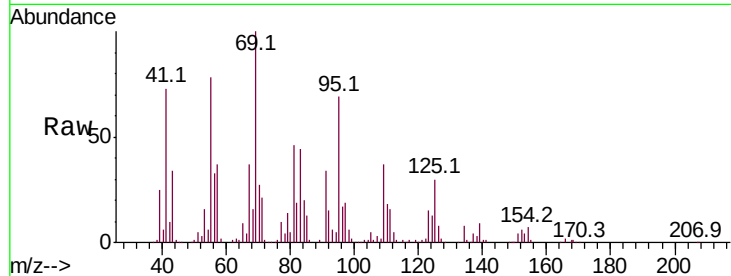




#89
n-Butylbenzene
Concen: 4.913 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

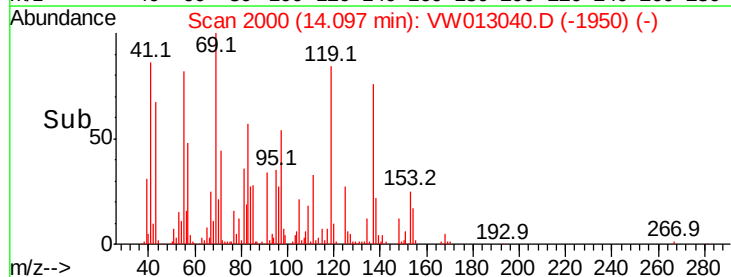
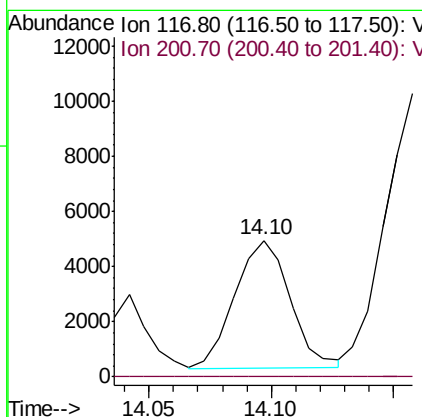
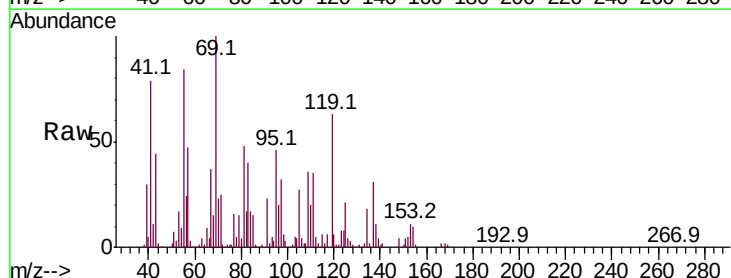
Instrument :
MSVOA_W
ClientSampled :

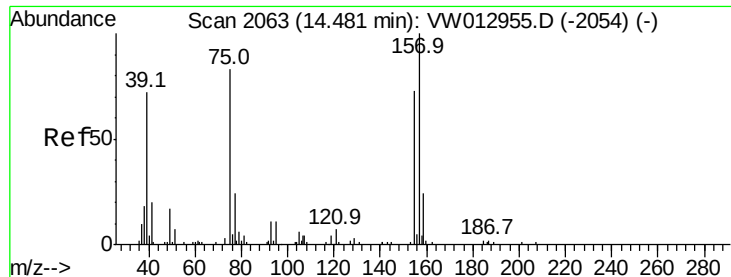
Tot Ion: 91 Resp: 35513
Ion Ratio Lower Upper
91 100
92 43.0 27.2 81.5
134 0.0 13.1 39.1#



#90
Hexachloroethane
Concen: 5.302 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion: 117 Resp: 7282
Ion Ratio Lower Upper
117 100
201 0.0 45.3 135.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.006 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampled :

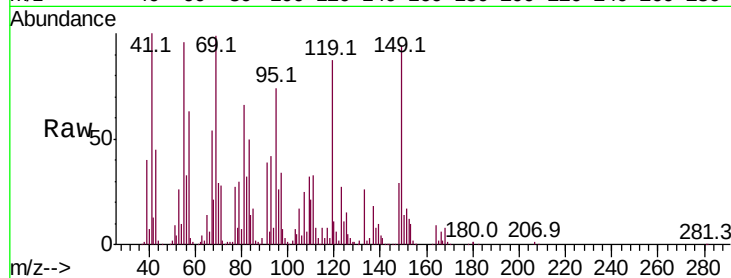
Tot Ion: 75 Resp: 262

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.9#

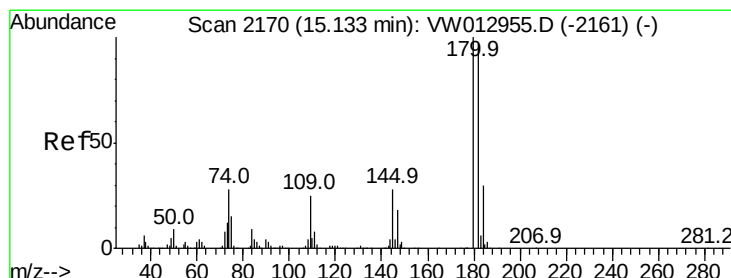
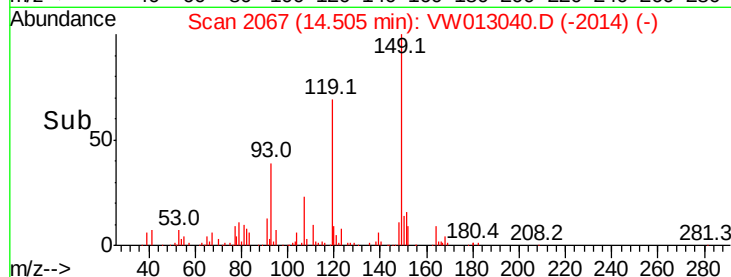
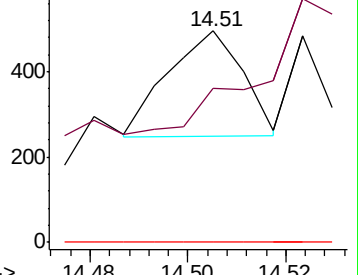
157 0.0 54.7 164.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.530 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW013040.D

Acq: 16 Sep 2019 14:41

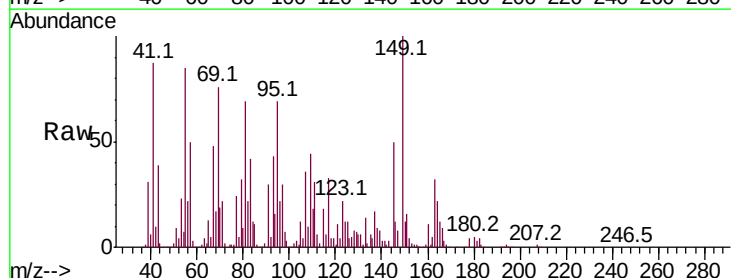
Tgt Ion:180 Resp: 3543

Ion Ratio Lower Upper

180 100

182 151.5 47.4 142.2#

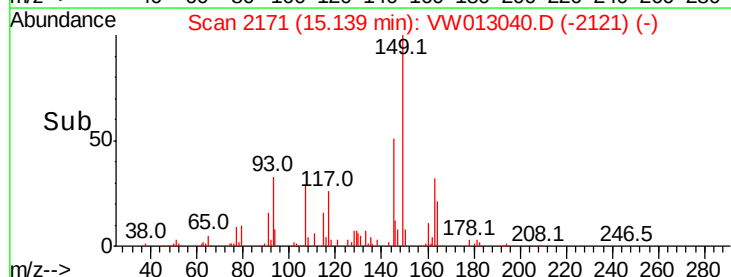
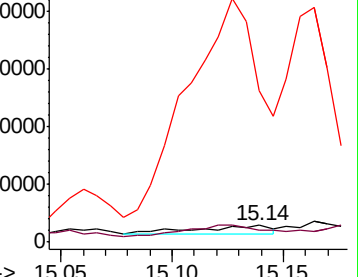
145 2854.2 14.9 44.7#

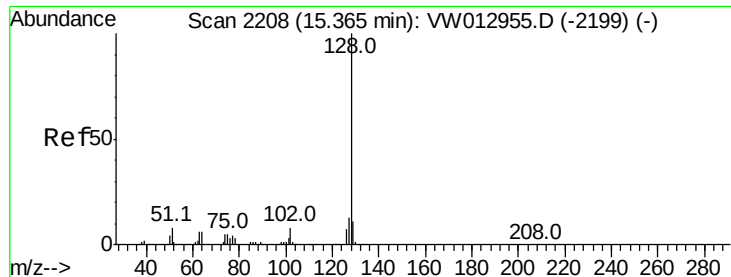


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

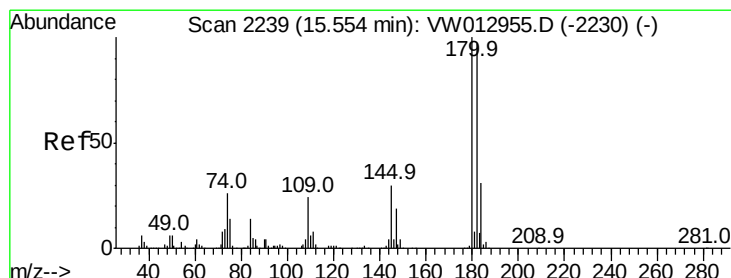
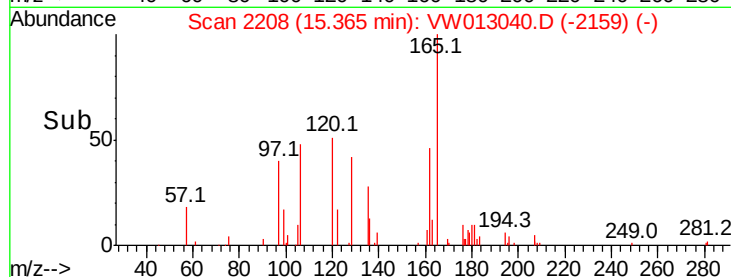
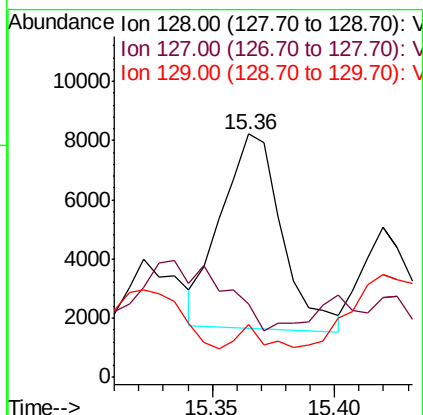
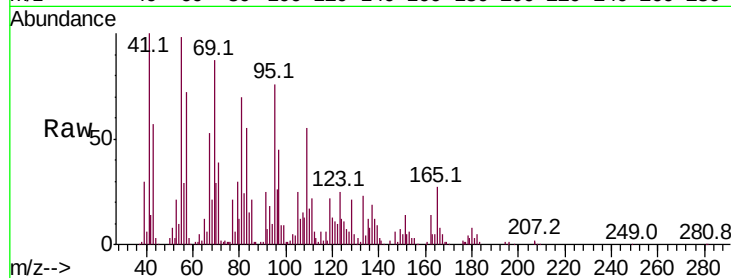




#95
Naphthalene
Concen: 2.929 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 11334
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.6#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.576 ug/l
RT: 15.58 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VW013040.D
Acq: 16 Sep 2019 14:41

Tgt Ion:180 Resp: 5274
Ion Ratio Lower Upper
180 100
182 29.0 47.6 142.8#
145 0.0 15.4 46.2#

