

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013027.D
 Acq On : 15 Sep 2019 07:27
 Operator : SY/VA
 Sample : K4857-04
 Misc : 7.70G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 07:00:19 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	47683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	69666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	54507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	32221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	26585	60.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.74%	
35) Dibromofluoromethane	7.88	113	20610	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	10.32	98	93422	63.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.32%	
62) 4-Bromofluorobenzene	12.62	95	50182	94.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.70%	

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	135	Below Cal	# 1
11) Tert butyl alcohol	5.17	59	469	Below Cal	# 72
13) Acrolein	3.79	56	52	Below Cal	# 1
16) Acetone	4.12	43	8956	80.466	ug/l 92
17) Carbon Disulfide	4.37	76	7665	11.686	ug/l 96
18) Methyl Acetate	4.68	43	971	3.870	ug/l # 80
20) Methylene Chloride	4.92	84	1420	Below Cal	90
25) 2-Butanone	7.18	43	1305	9.319	ug/l # 50
26) 2,2-Dichloropropane	7.16	77	75	Below Cal	# 55
31) Cyclohexane	7.95	56	1825	Below Cal	# 43
36) 1,1-Dichloropropene	7.95	75	3858	6.930	ug/l # 54
37) Ethyl Acetate	7.18	43	1312	4.440	ug/l # 74
38) Carbon Tetrachloride	7.94	117	4690	8.221	ug/l # 13
39) Methylcyclohexane	9.30	83	24488	40.143	ug/l # 22
43) Isopropyl Acetate	8.41	43	8252	14.545	ug/l # 53
47) Bromodichloromethane	9.60	83	4849	8.739	ug/l # 46
48) Methyl methacrylate	9.46	41	2111	7.928	ug/l # 15
49) 1,4-Dioxane	9.41	88	22	6.637	ug/l # 20
51) 4-Methyl-2-Pentanone	10.25	43	2382	8.132	ug/l 98
52) Toluene	10.39	92	2287	2.316	ug/l 86
55) 1,1,2-Trichloroethane	10.76	97	87556	290.538	ug/l # 21
56) Ethyl methacrylate	10.66	69	48883	120.510	ug/l # 6
59) 2-Hexanone	10.94	43	23028	112.908	ug/l # 37
60) Dibromochloromethane	11.14	129	576	1.581	ug/l 84
67) Ethyl Benzene	11.73	91	5924	3.304	ug/l 97
68) m/p-Xylenes	11.84	106	5676	8.665	ug/l 83
69) o-Xylene	12.16	106	3715	6.049	ug/l 39
73) Isopropylbenzene	12.46	105	3346	1.567	ug/l 98
74) N-amyl acetate	12.36	43	318246	579.274	ug/l # 73
75) 1,1,2,2-Tetrachloroethane	12.74	83	2678	7.139	ug/l # 27
76) 1,2,3-Trichloropropane	12.62	75	12312	43.624	ug/l # 100
77) Bromobenzene	12.71	156	585	1.189	ug/l # 1
78) n-propylbenzene	12.80	91	9609	3.825	ug/l 80
79) 2-Chlorotoluene	12.94	91	7902	5.472	ug/l 92

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 QLast Update : Fri Sep 13 17:26:01 2019
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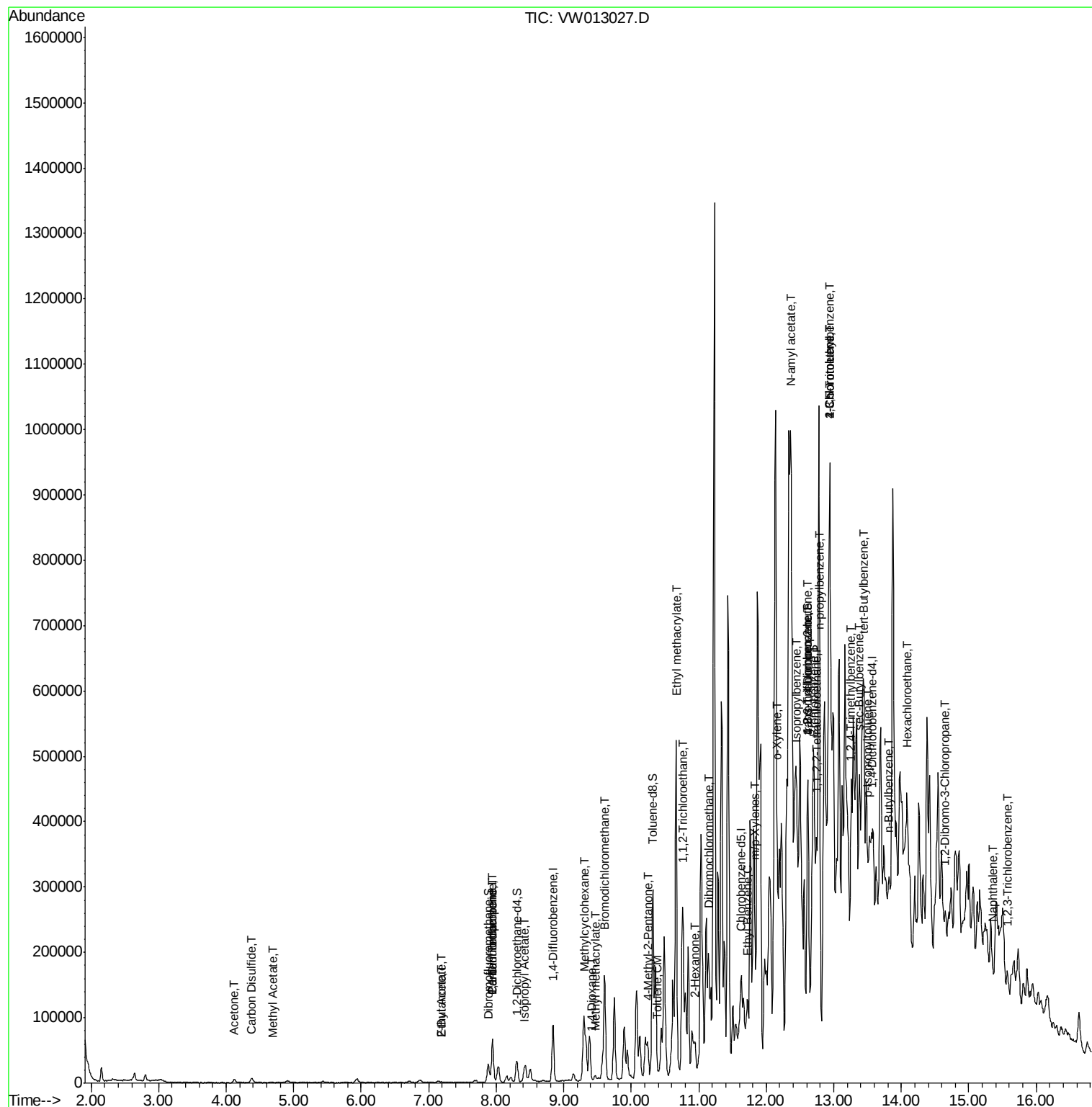
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.94	105	7710	4.267	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	12312	98.960	ug/l #	50
82) 4-Chlorotoluene	12.94	91	6411	4.207	ug/l	75
83) tert-Butylbenzene	13.44	119	4908	3.037	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	22111	12.384	ug/l	97
85) sec-Butylbenzene	13.38	105	15123	6.868	ug/l #	51
86) p-Isopropyltoluene	13.50	119	3140	1.553	ug/l #	67
89) n-Butylbenzene	13.82	91	6467	3.392	ug/l #	82
90) Hexachloroethane	14.09	117	2449	6.760	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.66	75	251	3.656	ug/l	57
95) Naphthalene	15.36	128	2775	2.719	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.57	180	1647	3.050	ug/l #	19

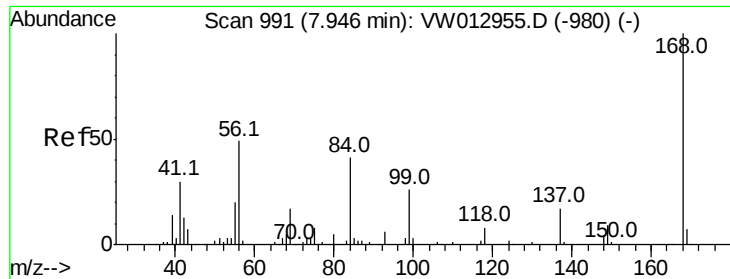
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013027.D
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Quant Title : SW846 8260
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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: VW013027.D

Acq: 15 Sep 2019 07:27

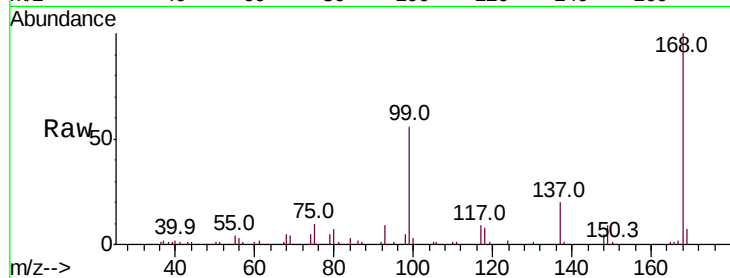
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 47683

Ion Ratio Lower Upper

168 100

99 55.8 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

25000

20000

15000

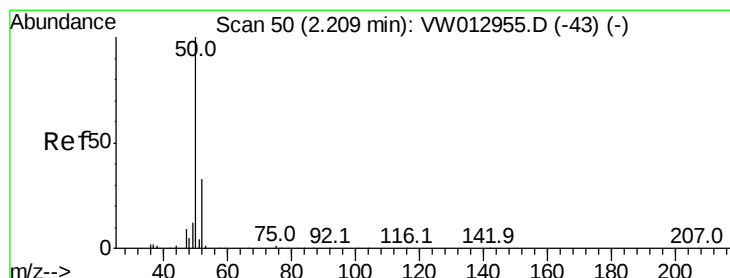
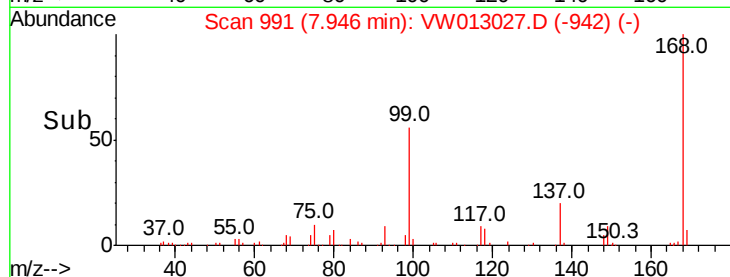
10000

5000

0

Time-->

7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013027.D

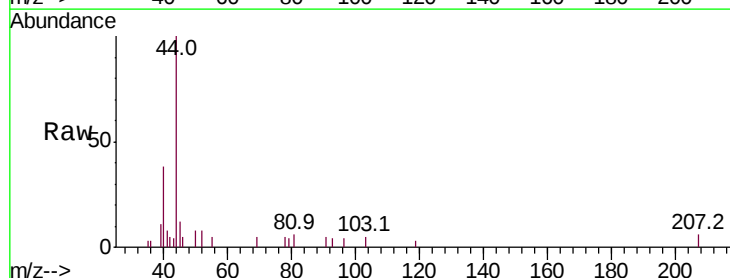
Acq: 15 Sep 2019 07:27

Tgt Ion: 50 Resp: 135

Ion Ratio Lower Upper

50 100

52 99.2 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

150

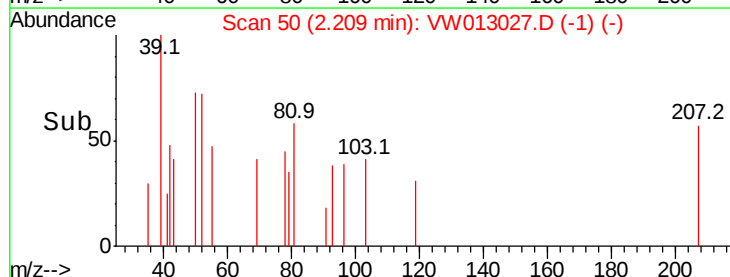
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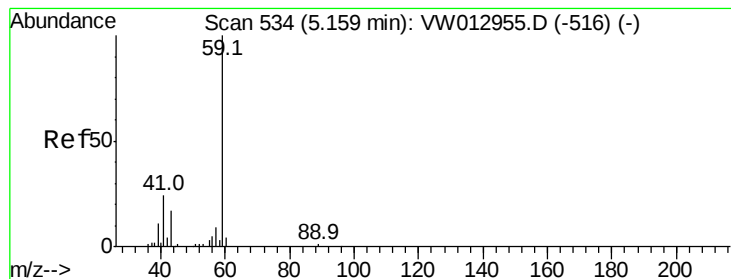
50

0

Time-->

2.18 2.20 2.22 2.24



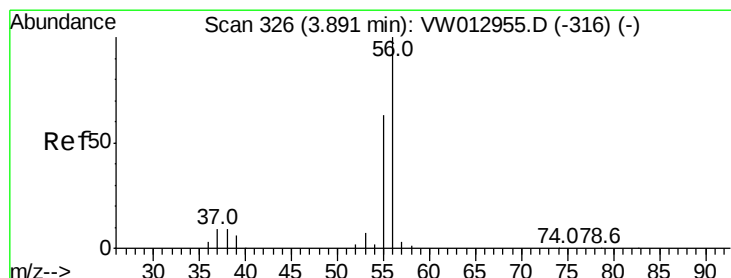
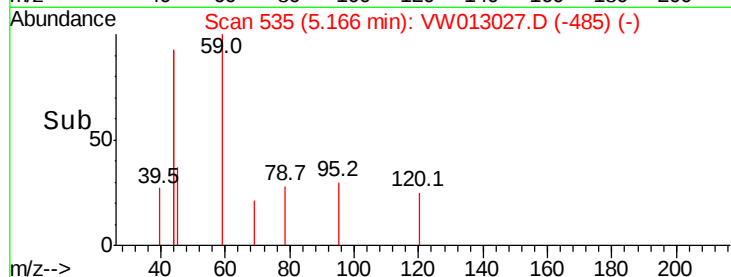
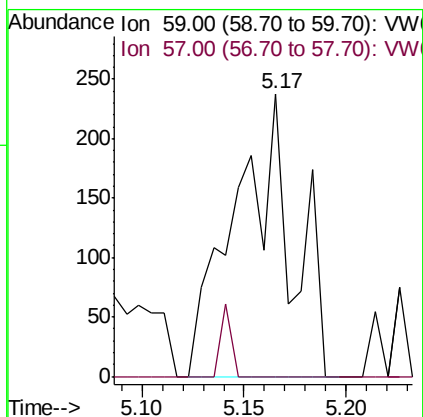
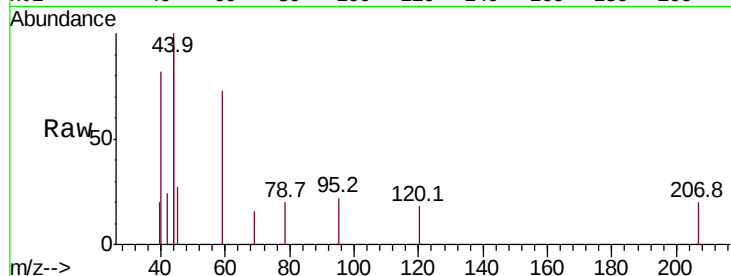


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Instrument :
MSVOA_W
ClientSampled :

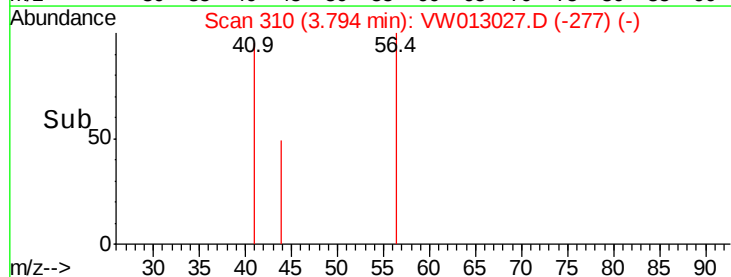
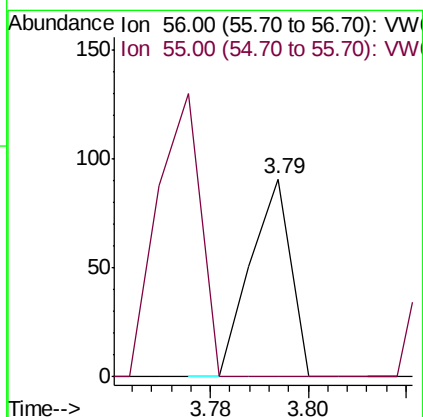
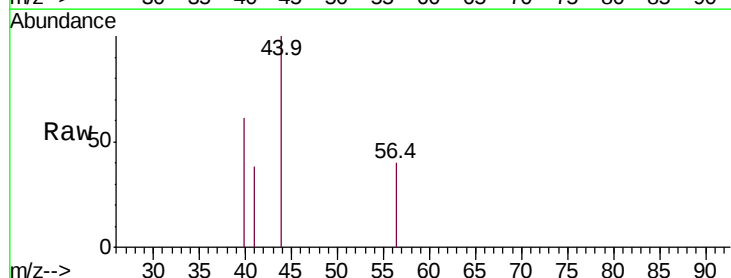
Tot Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

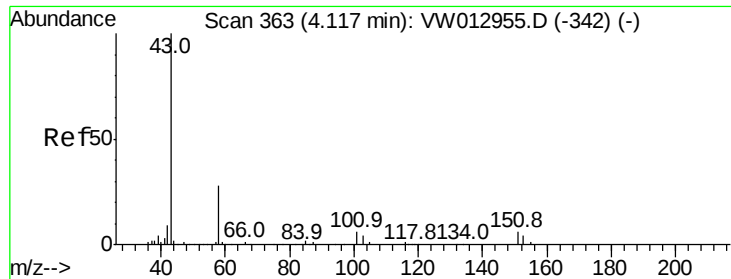


#13

Acrolein
Concen: Below Cal
RT: 3.79 min Scan# 310
Delta R.T. -0.10 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 153.8 55.8 83.8#





#16

Acetone

Concen: 80.466 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

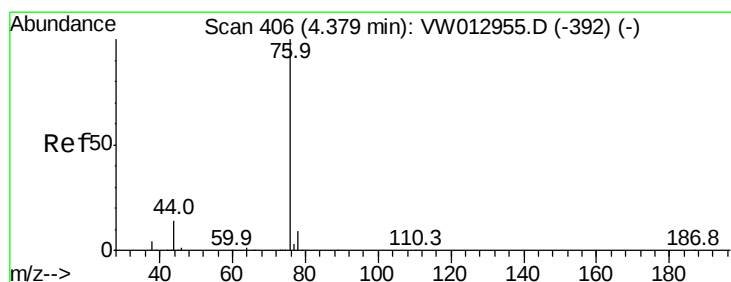
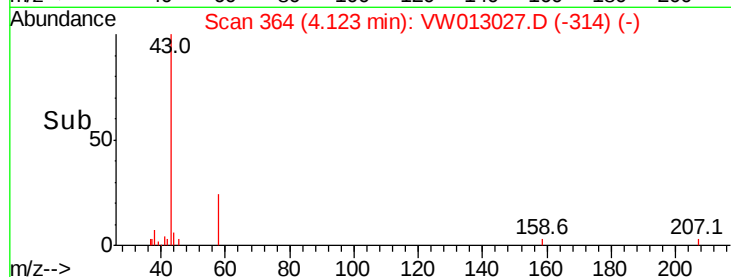
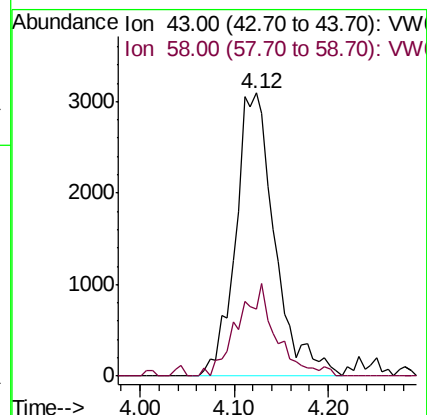
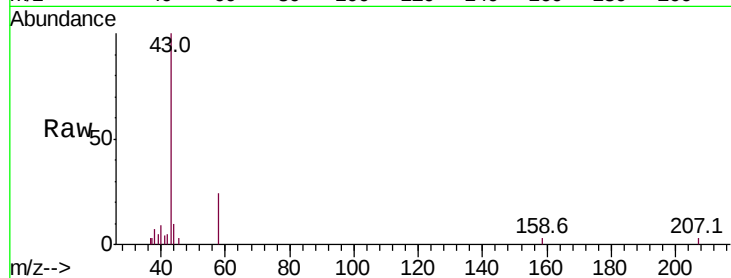
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 8956

Ion Ratio Lower Upper

43 100

58 23.7 22.3 33.5



#17

Carbon Disulfide

Concen: 11.686 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013027.D

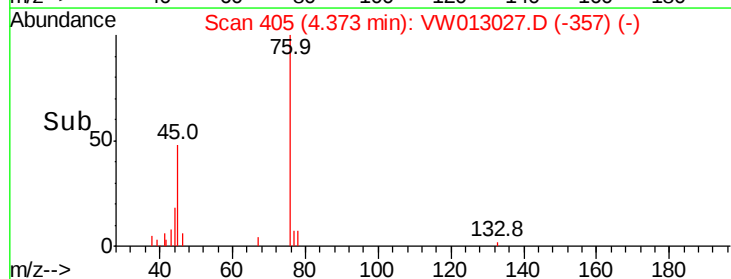
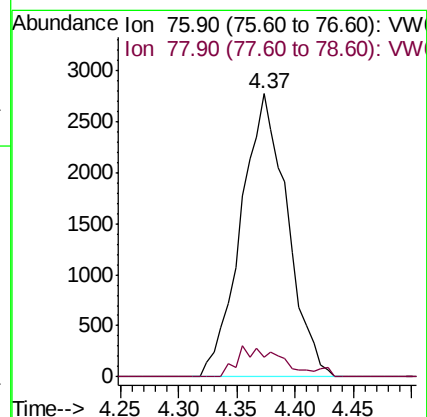
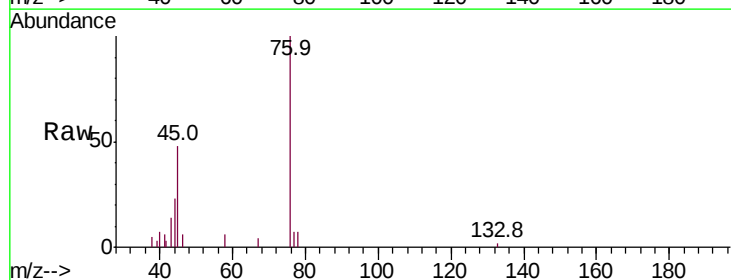
Acq: 15 Sep 2019 07:27

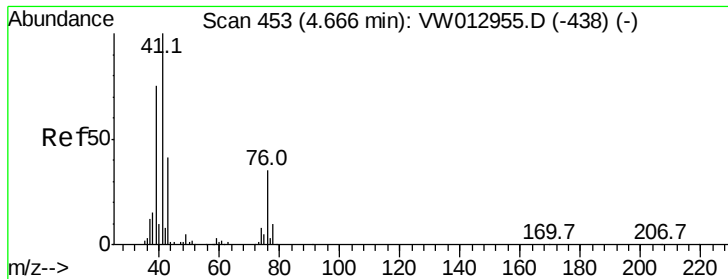
Tgt Ion: 76 Resp: 7665

Ion Ratio Lower Upper

76 100

78 7.1 7.0 10.4

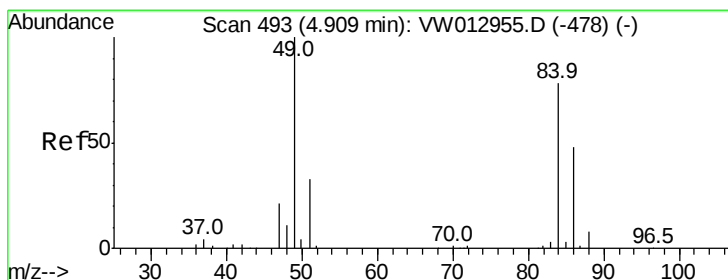
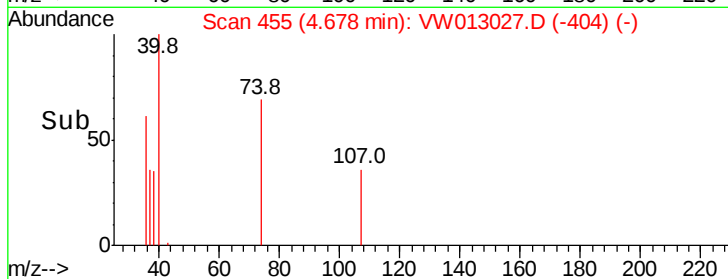
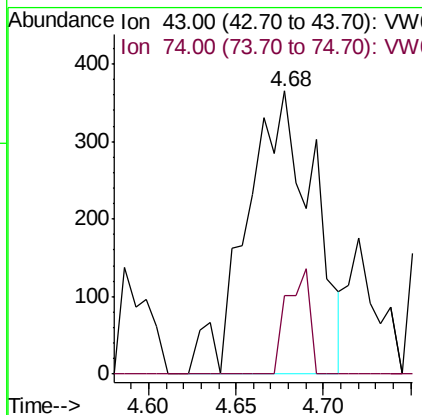
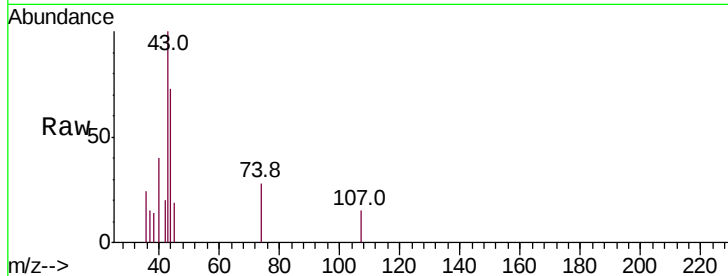




#18
Methyl Acetate
Concen: 3.870 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

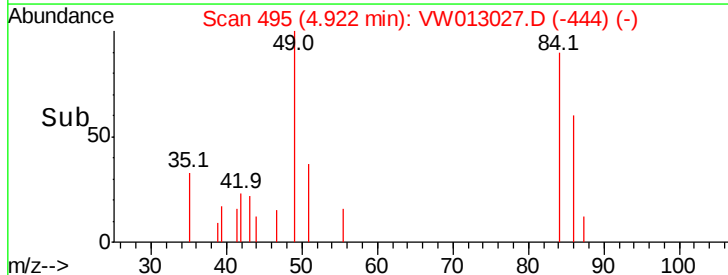
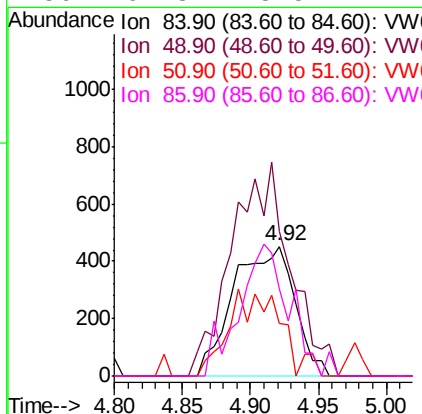
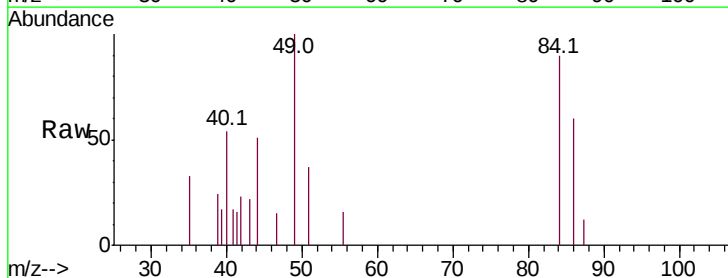
Instrument :
MSVOA_W
ClientSampled :

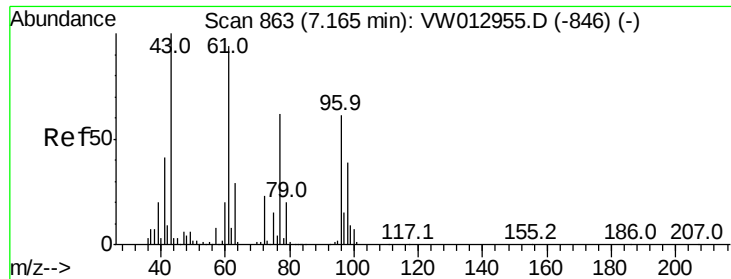
Tot Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
74 12.8 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 84 Resp: 1420
Ion Ratio Lower Upper
84 100
49 111.5 102.0 153.0
51 40.8 34.0 51.0
86 67.3 48.5 72.7





#25

2-Butanone

Concen: 9.319 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

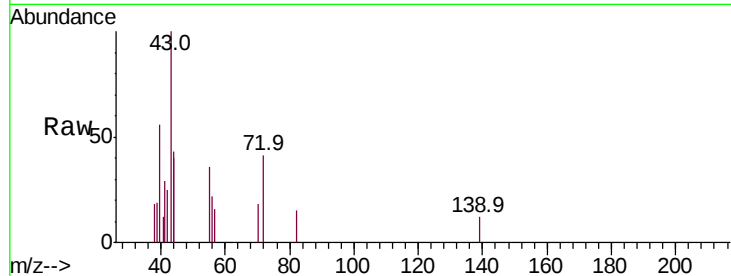
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1305

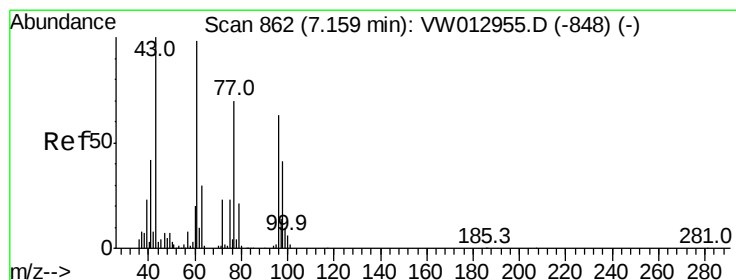
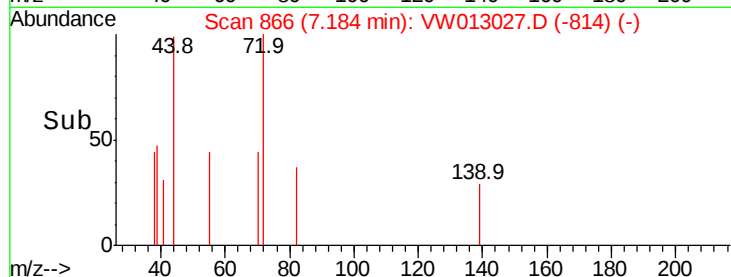
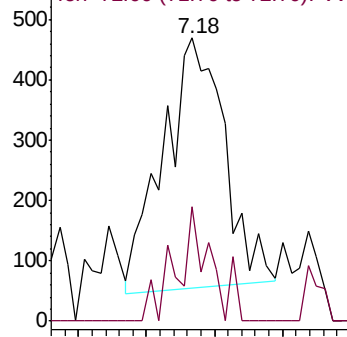
Ion Ratio Lower Upper

43 100

72 47.1 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: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013027.D

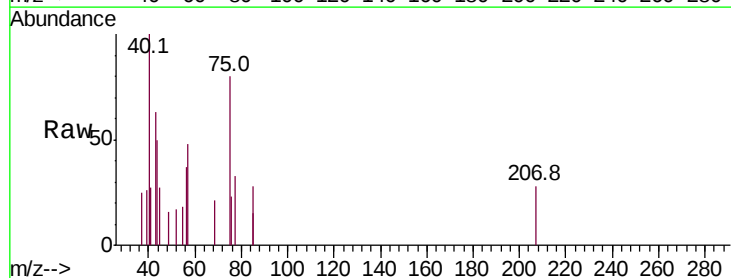
Acq: 15 Sep 2019 07:27

Tgt Ion: 77 Resp: 75

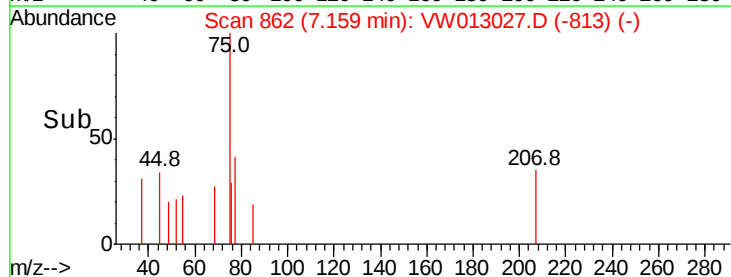
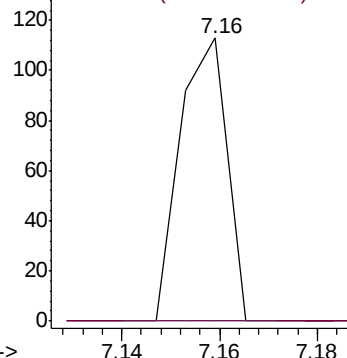
Ion Ratio Lower Upper

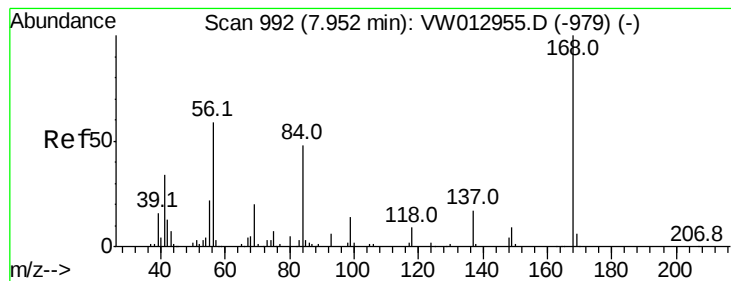
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 992

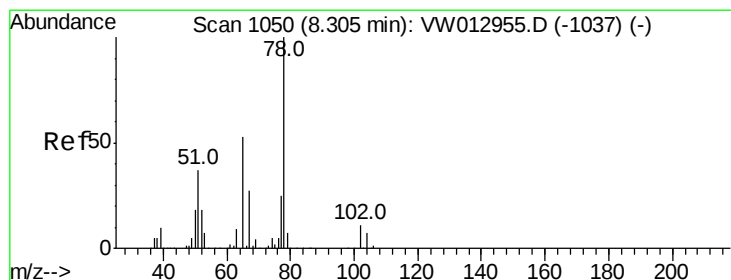
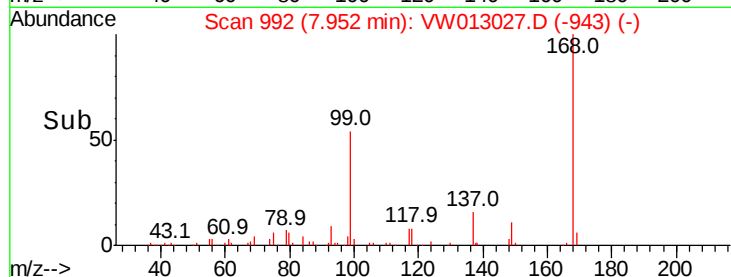
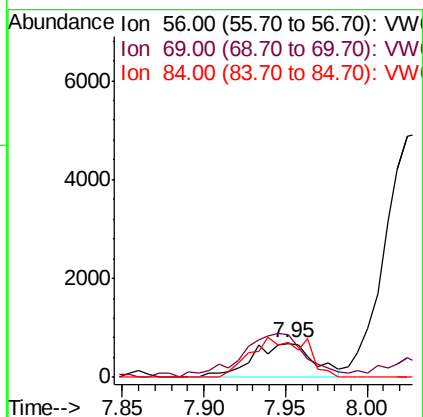
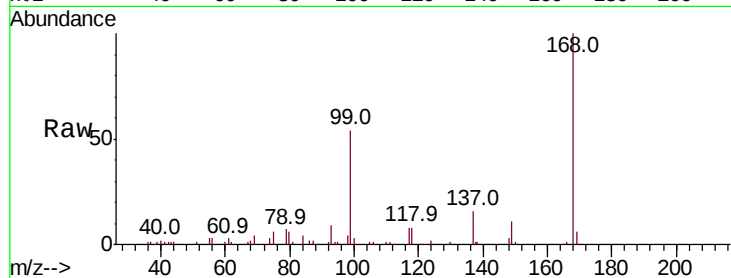
Delta R.T. 0.00 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	56	Resp:	1825
Ion	Ratio	Lower	Upper
56	100		
69	110.4	27.0	40.6#
84	105.1	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 60.367 ug/l

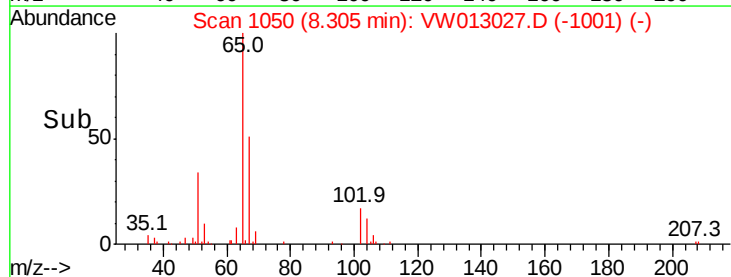
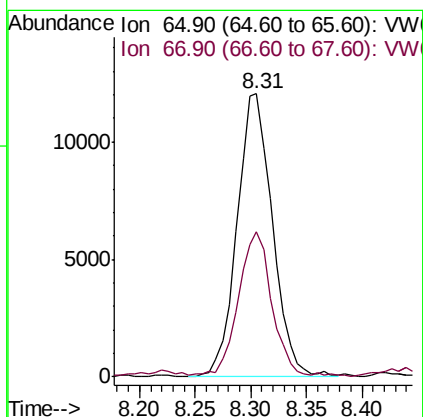
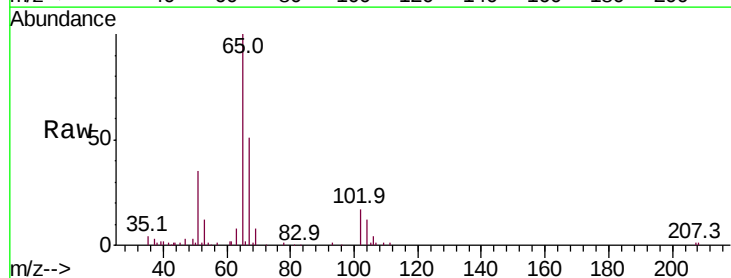
RT: 8.31 min Scan# 1050

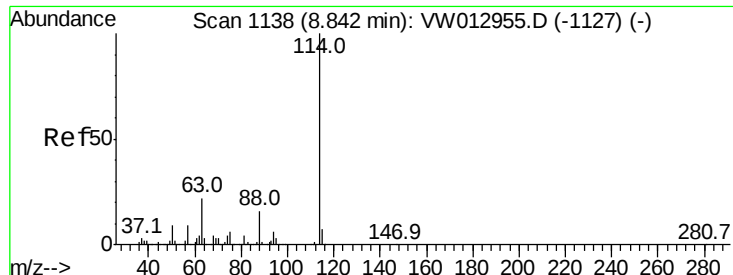
Delta R.T. 0.00 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Tgt Ion:	65	Resp:	26585
Ion	Ratio	Lower	Upper
65	100		
67	47.6	0.0	101.2

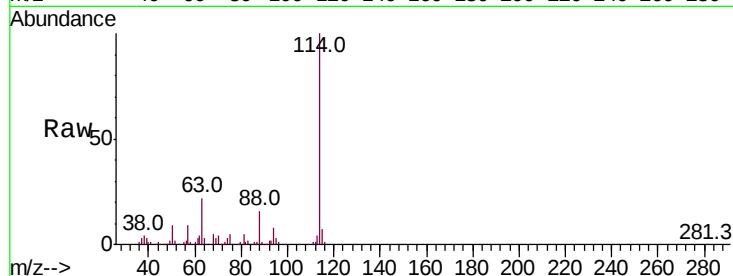




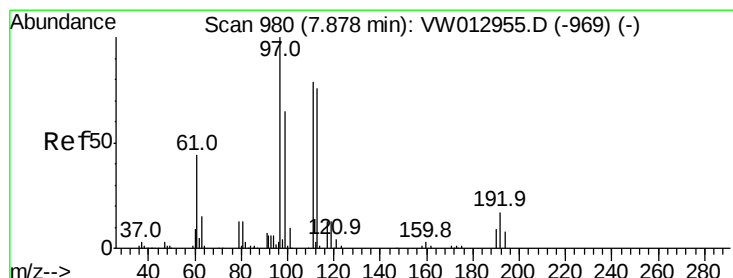
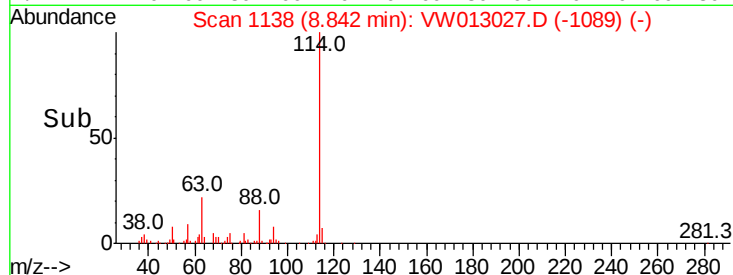
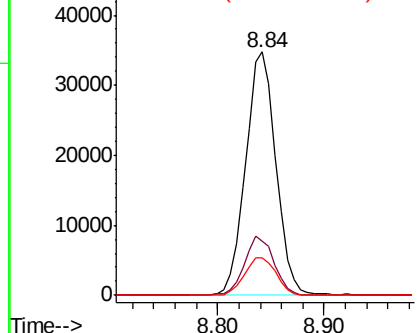
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013027.D
 Acq: 15 Sep 2019 07:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.4
88	15.6	0.0	31.6

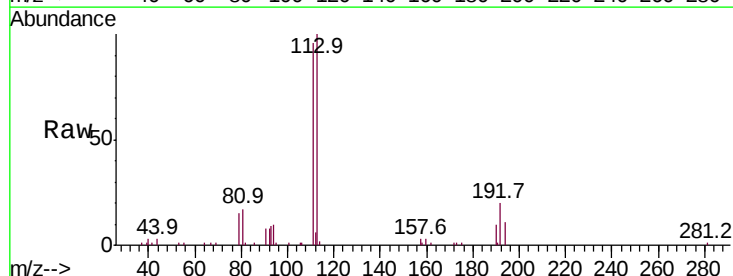


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

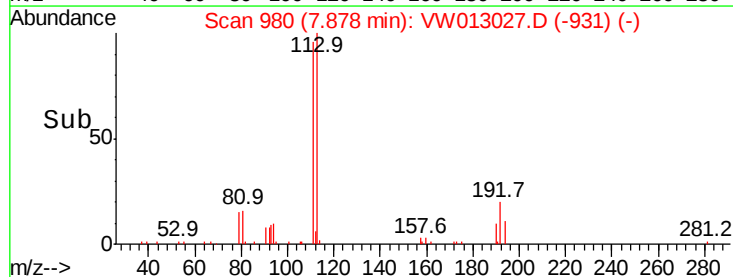
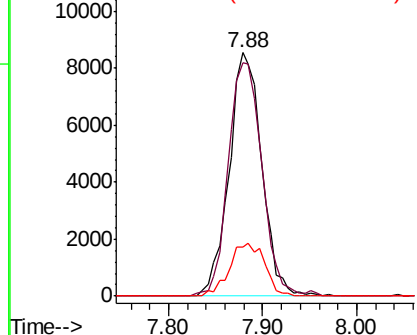


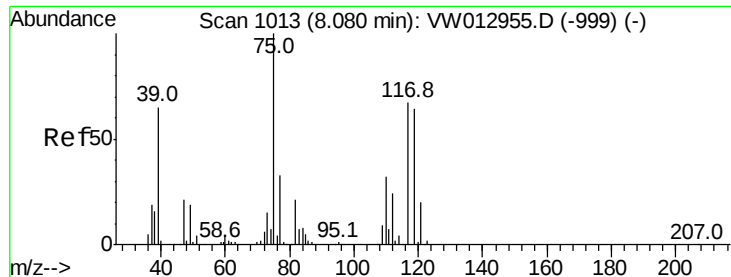
#35
 Dibromofluoromethane
 Concen: 54.522 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013027.D
 Acq: 15 Sep 2019 07:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.4	82.8	124.2
192	23.3	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: 6.930 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :
MSVOA_W
ClientSampled :

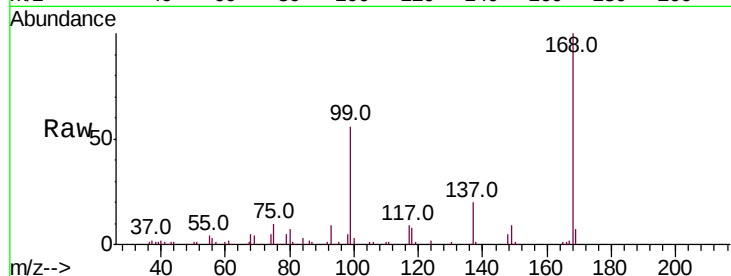
Tot Ion: 75 Resp: 3858

Ion Ratio Lower Upper

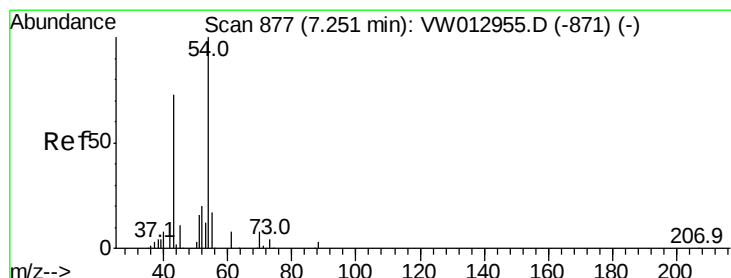
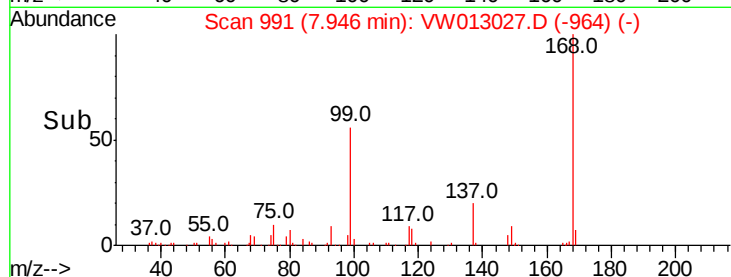
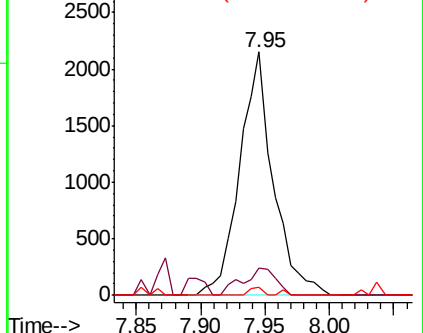
75 100

110 11.1 16.4 49.1#

77 1.2 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): VW
Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 4.440 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

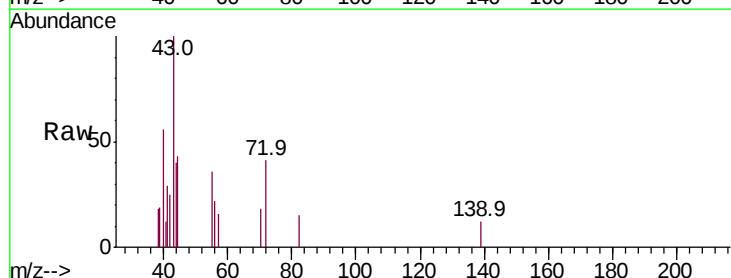
Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

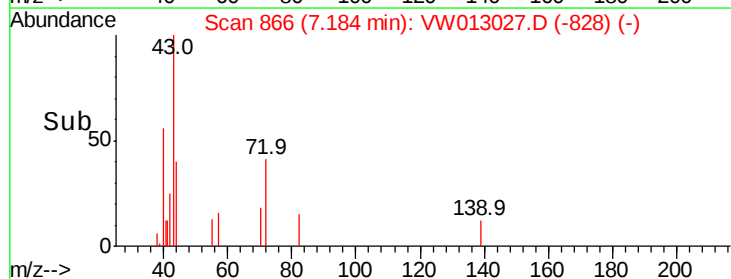
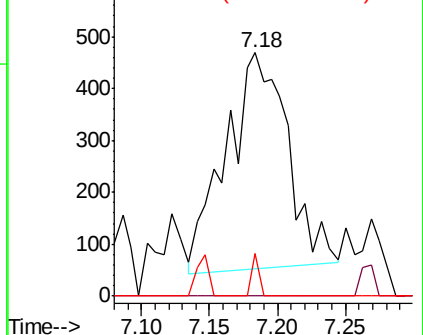
43 100

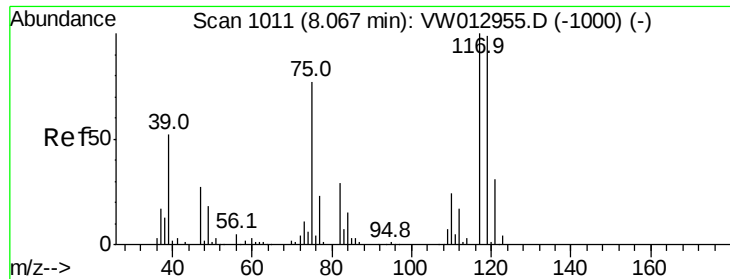
61 0.0 9.6 14.4#

70 2.3 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: 8.221 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

ClientSampleId :

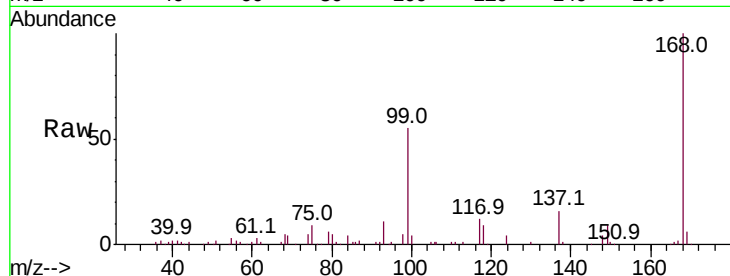
Tot Ion:117 Resp: 4690

Ion Ratio Lower Upper

117 100

119 2.6 79.4 119.0#

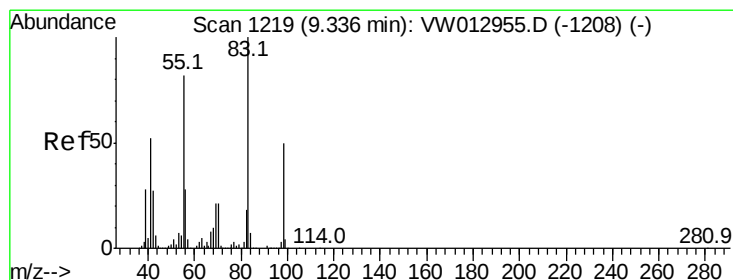
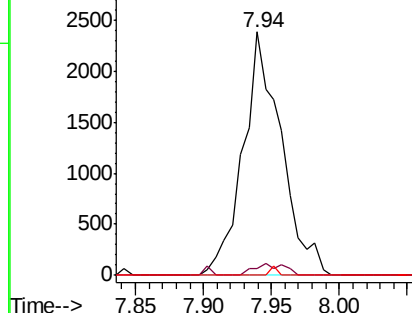
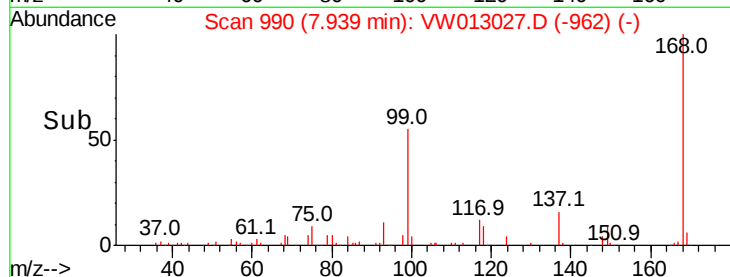
121 0.0 24.6 36.8#



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: 40.143 ug/l

RT: 9.30 min Scan# 1213

Delta R.T. -0.04 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

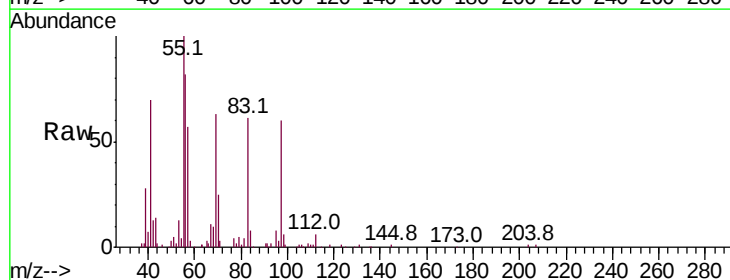
Tgt Ion: 83 Resp: 24488

Ion Ratio Lower Upper

83 100

55 162.4 65.9 98.9#

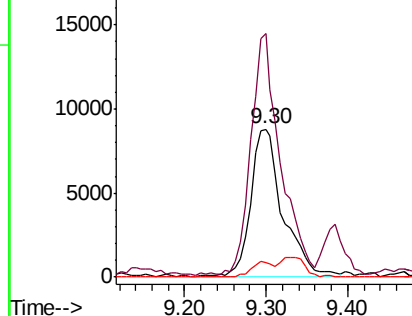
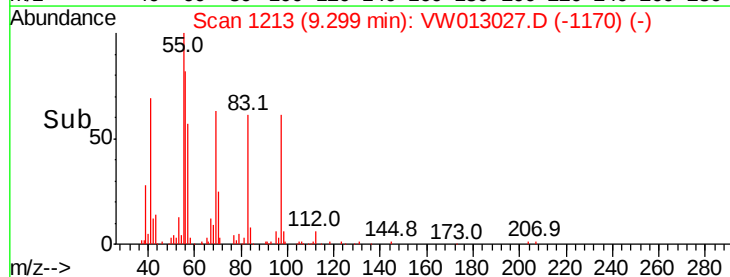
98 9.6 39.6 59.4#

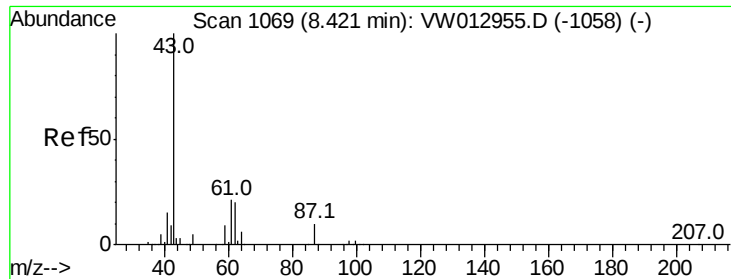


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#43

Isopropyl Acetate

Concen: 14.545 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

ClientSampleId :

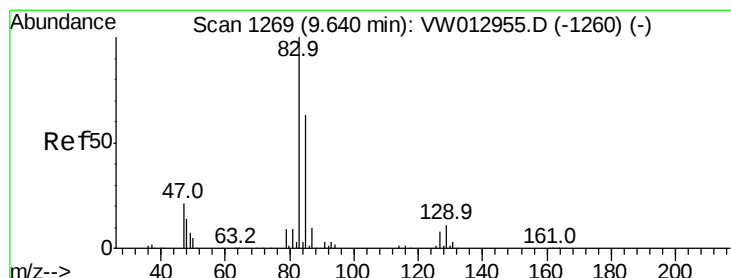
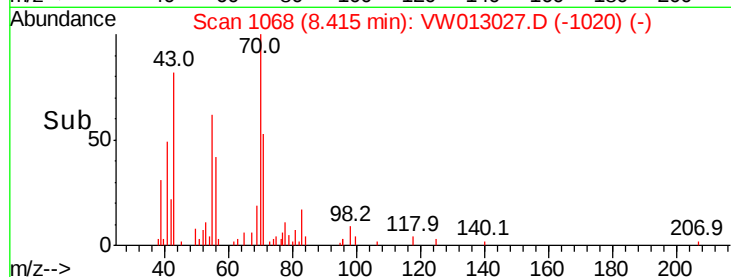
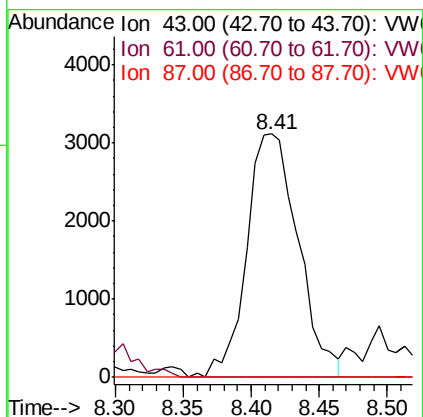
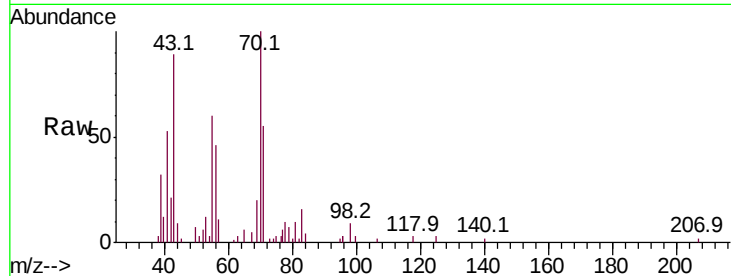
Tot Ion: 43 Resp: 8252

Ion Ratio Lower Upper

43 100

61 0.0 22.7 34.1#

87 0.0 9.4 14.2#



#47

Bromodichloromethane

Concen: 8.739 ug/l

RT: 9.60 min Scan# 1263

Delta R.T. -0.04 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

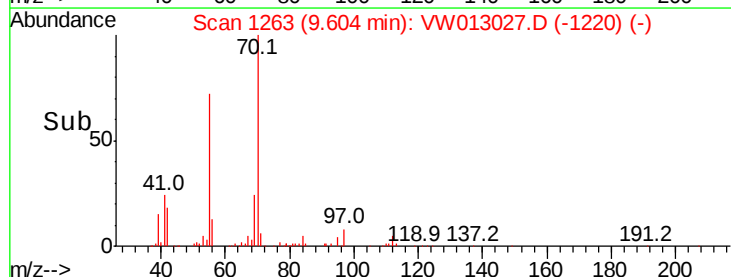
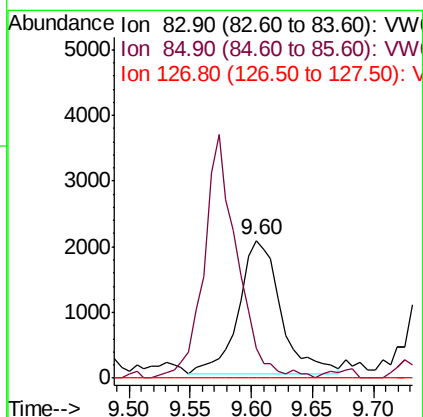
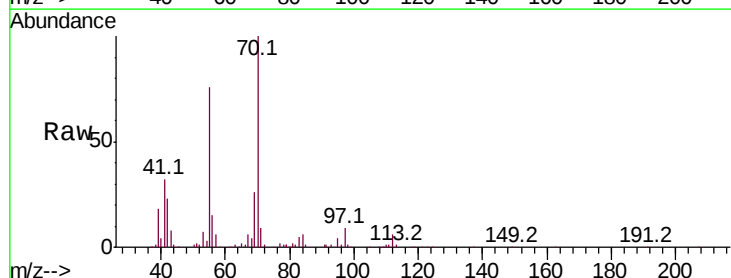
Tgt Ion: 83 Resp: 4849

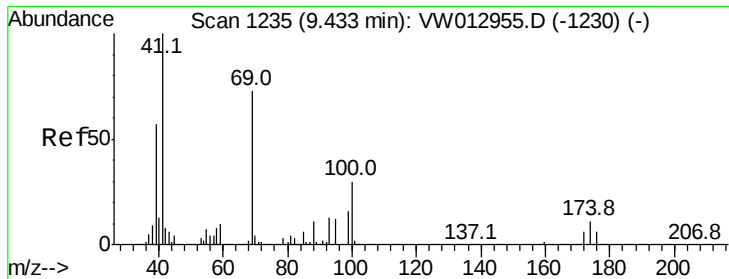
Ion Ratio Lower Upper

83 100

85 18.3 50.6 75.8#

127 0.0 6.7 10.1#

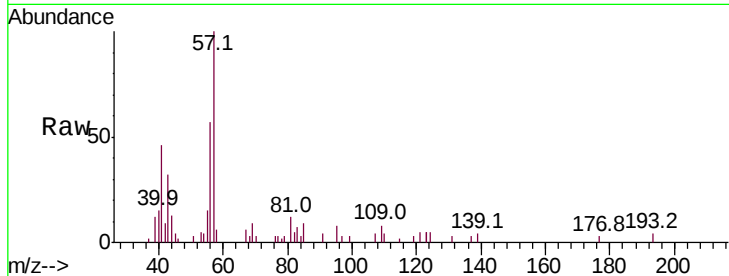




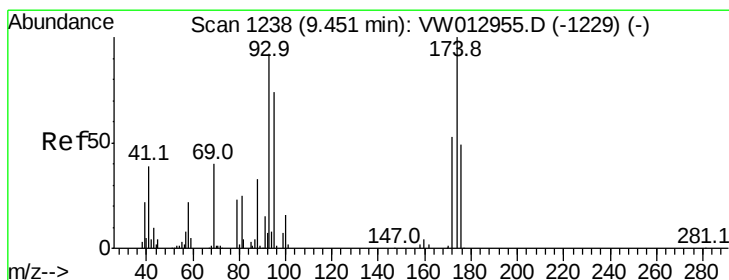
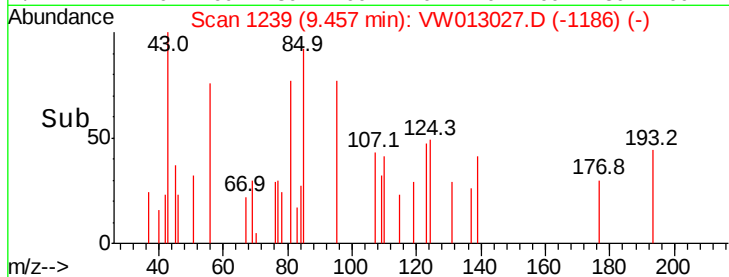
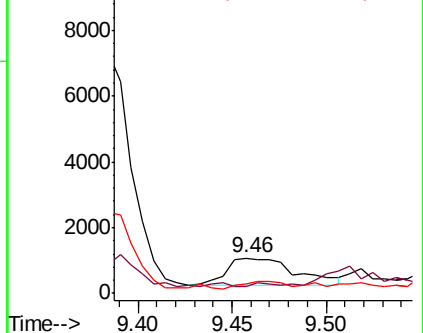
#48
Methyl methacrylate
Concen: 7.928 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 2111
Ion Ratio Lower Upper
41 100
69 0.0 62.8 94.2#
39 0.0 48.5 72.7#

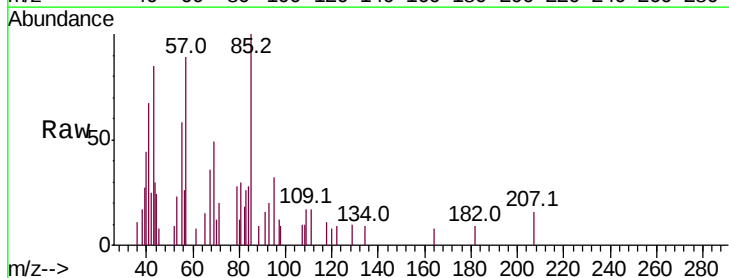


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

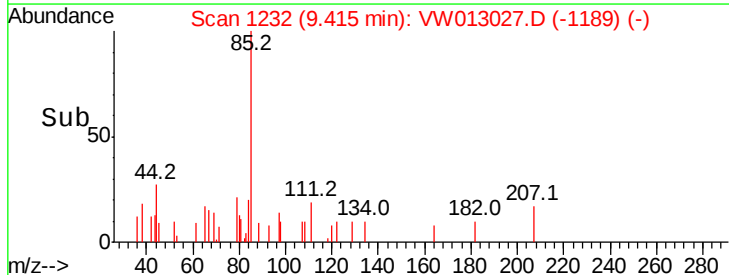
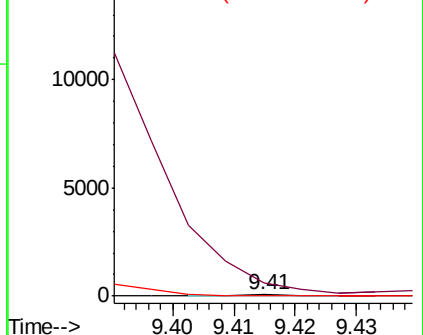


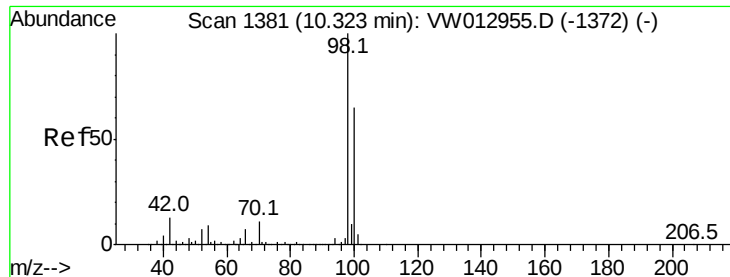
#49
1,4-Dioxane
Concen: 6.637 ug/l
RT: 9.41 min Scan# 1232
Delta R.T. -0.04 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 63.156 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

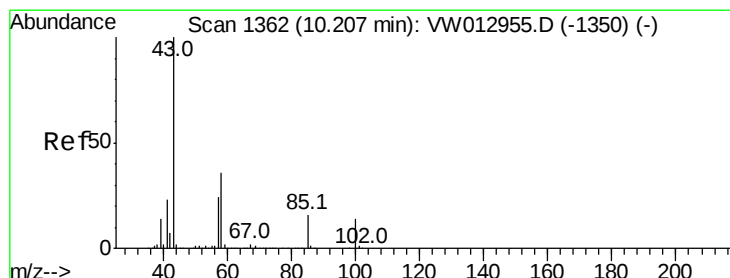
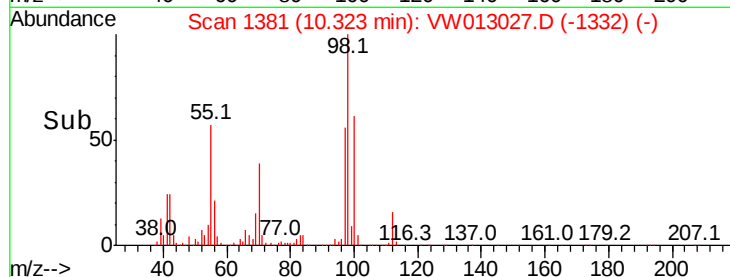
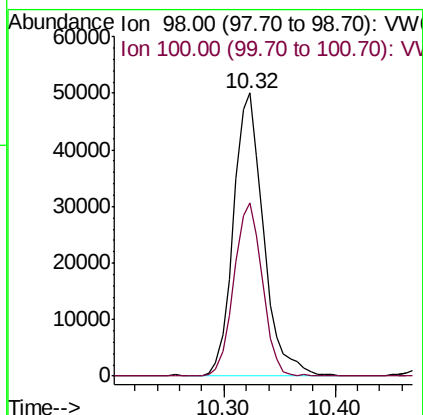
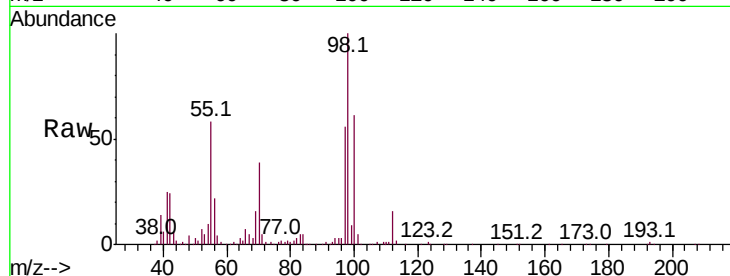
ClientSampled :

Tot Ion: 98 Resp: 93422

Ion Ratio Lower Upper

98 100

100 57.8 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 8.132 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW013027.D

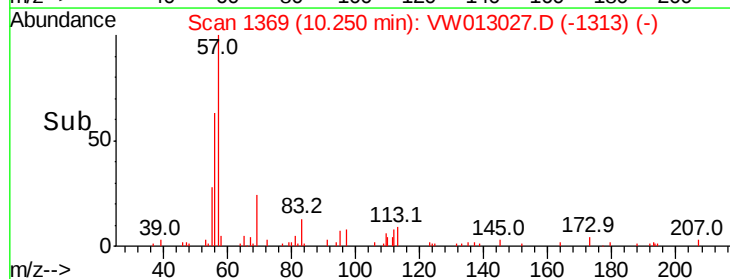
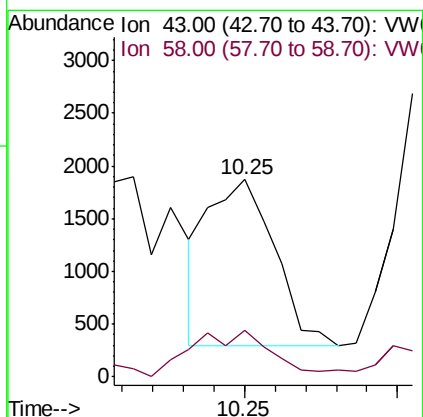
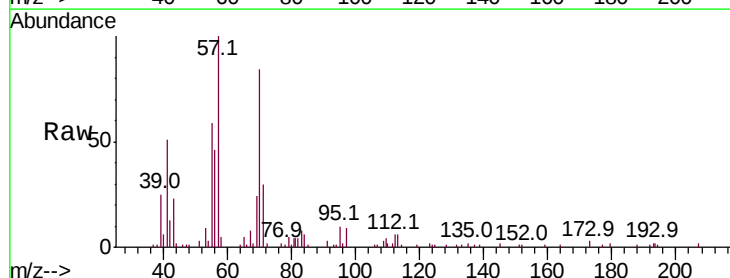
Acq: 15 Sep 2019 07:27

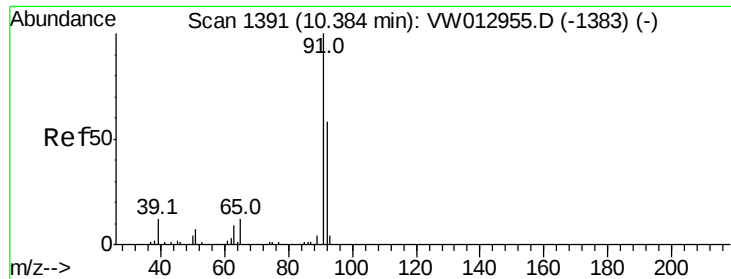
Tgt Ion: 43 Resp: 2382

Ion Ratio Lower Upper

43 100

58 35.9 29.5 44.3





#52

Toluene

Concen: 2.316 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

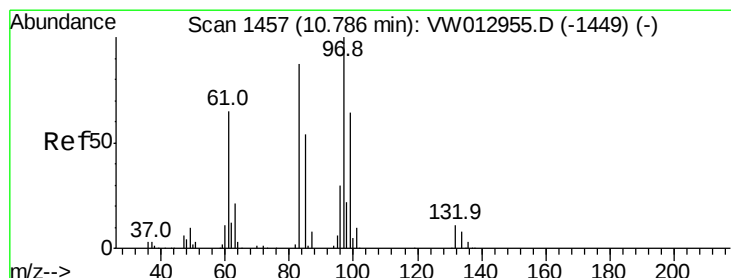
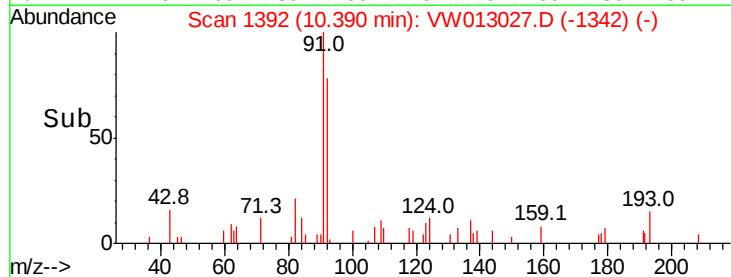
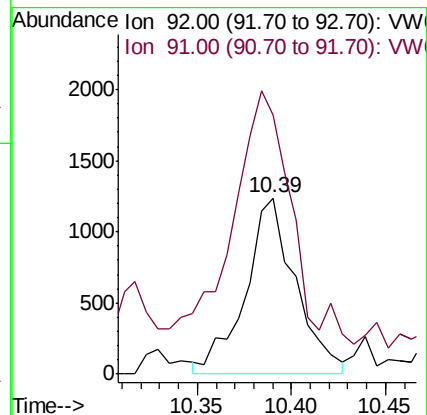
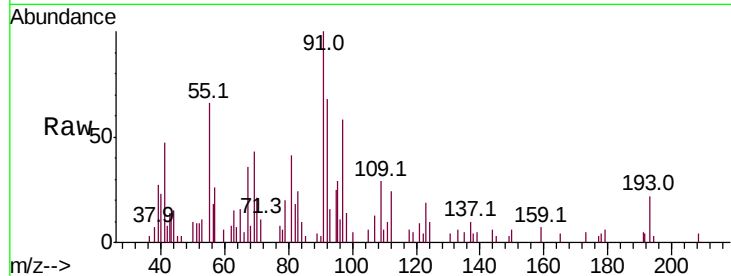
ClientSampleId :

Tot Ion: 92 Resp: 2287

Ion Ratio Lower Upper

92 100

91 152.0 137.5 206.3



#55

1,1,2-Trichloroethane

Concen: 290.538 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Tgt Ion: 97 Resp: 87556

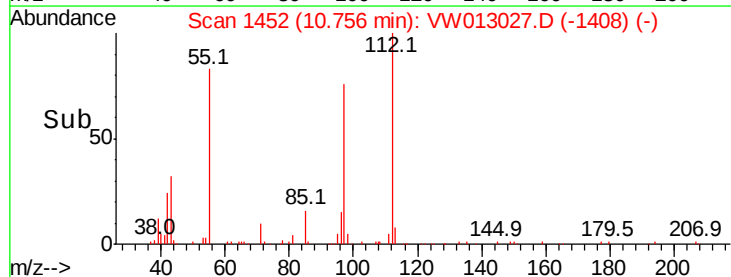
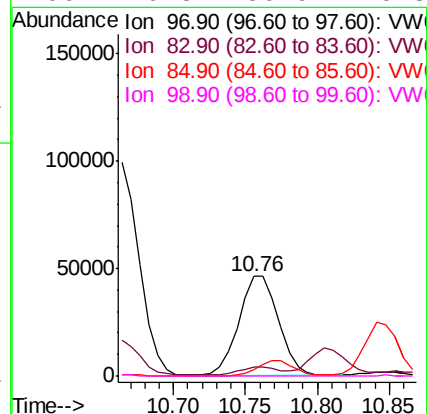
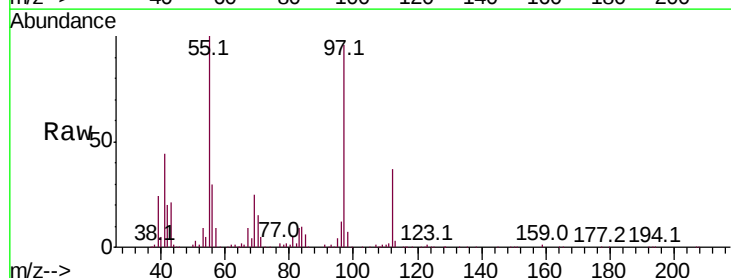
Ion Ratio Lower Upper

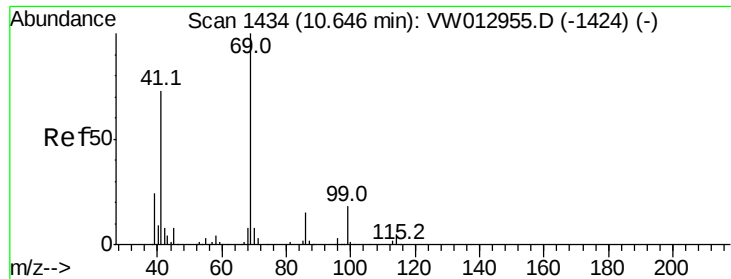
97 100

83 8.4 69.4 104.0#

85 6.6 43.3 64.9#

99 0.3 50.9 76.3#





#56

Ethyl methacrylate

Concen: 120.510 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

ClientSampled :

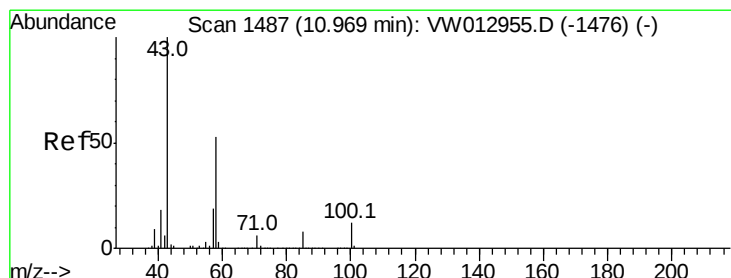
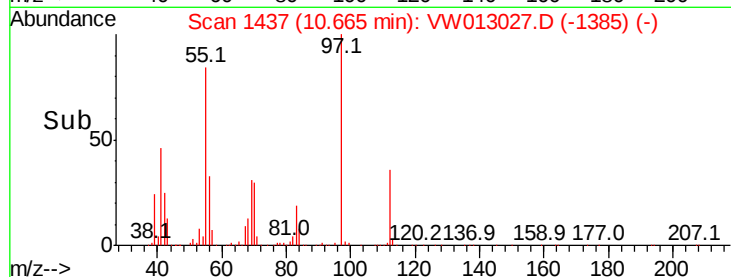
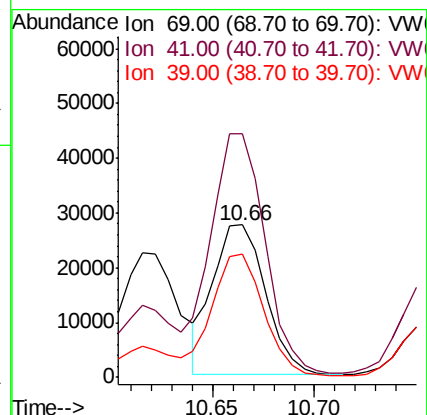
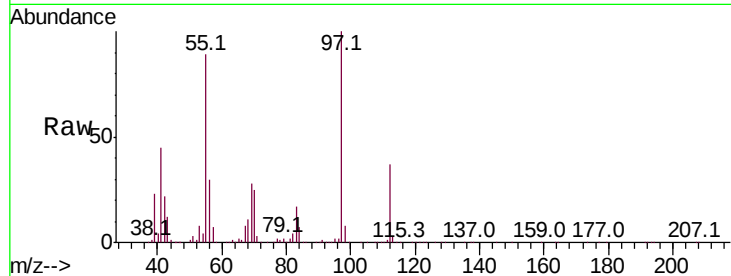
Tot Ion: 69 Resp: 48883

Ion Ratio Lower Upper

69 100

41 165.2 60.8 91.2#

39 80.8 29.4 44.0#



#59

2-Hexanone

Concen: 112.908 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW013027.D

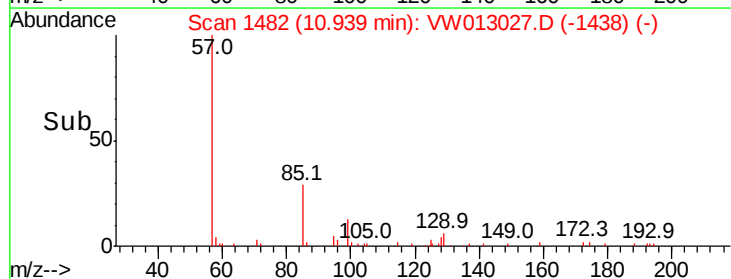
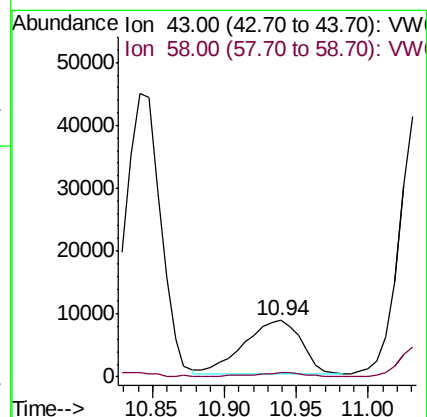
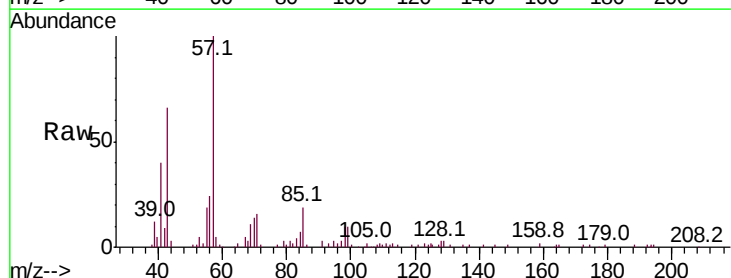
Acq: 15 Sep 2019 07:27

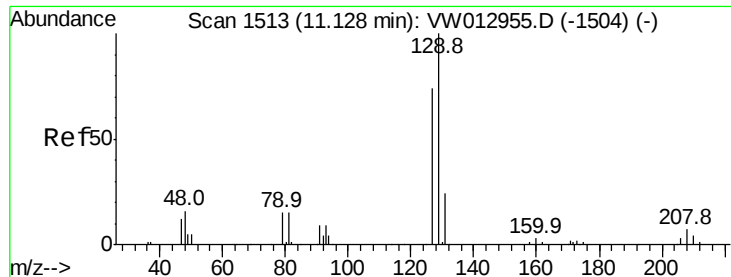
Tgt Ion: 43 Resp: 23028

Ion Ratio Lower Upper

43 100

58 7.6 25.8 77.3#





#60

Dibromochloromethane

Concen: 1.581 ug/l

RT: 11.14 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

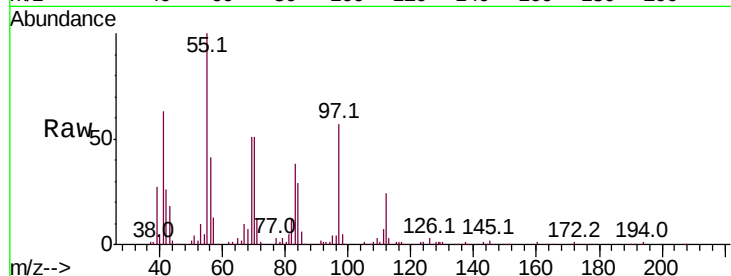
ClientSampled :

Tot Ion:129 Resp: 576

Ion Ratio Lower Upper

129 100

127 61.3 37.4 112.2

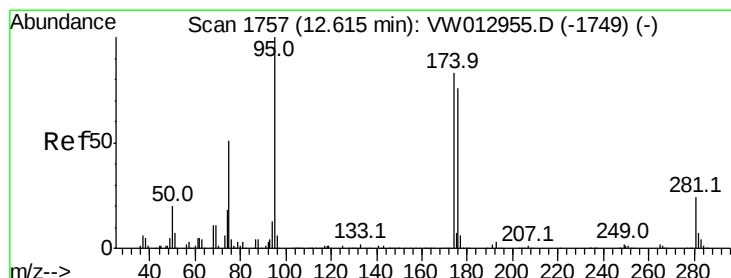
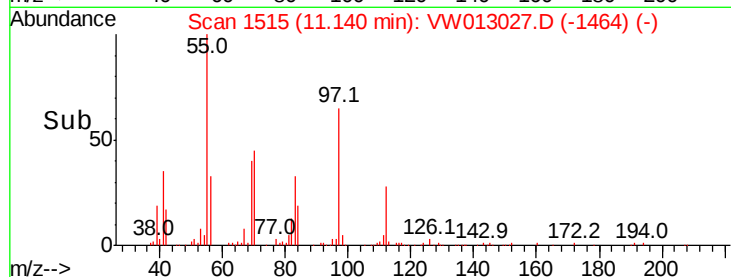


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

Time-->



#62

4-Bromofluorobenzene

Concen: 94.346 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

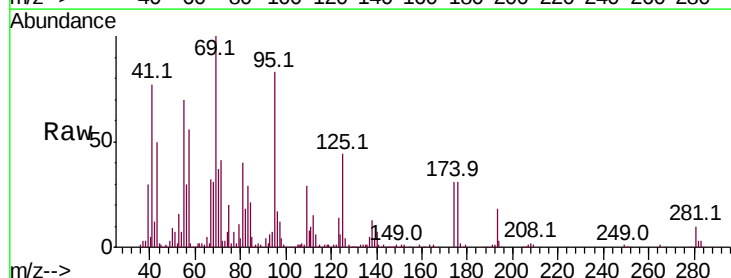
Tgt Ion: 95 Resp: 50182

Ion Ratio Lower Upper

95 100

174 38.2 0.0 170.4

176 38.6 0.0 164.6



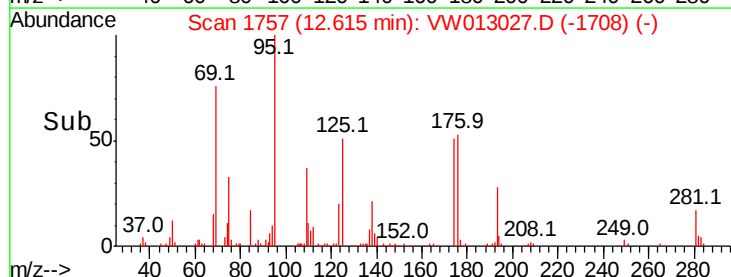
Abundance Ion 94.90 (94.60 to 95.60): VW

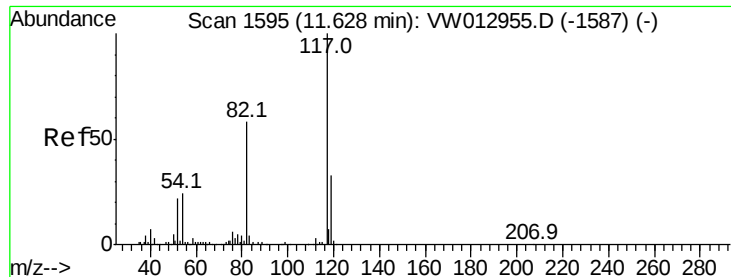
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time-->

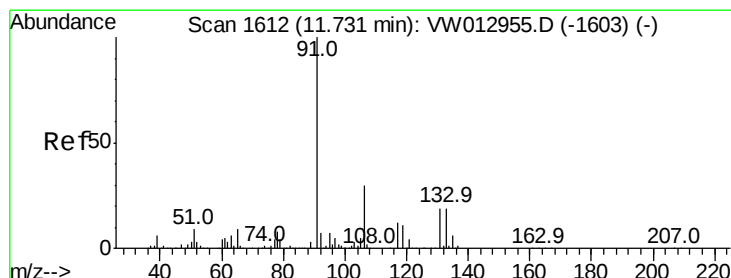
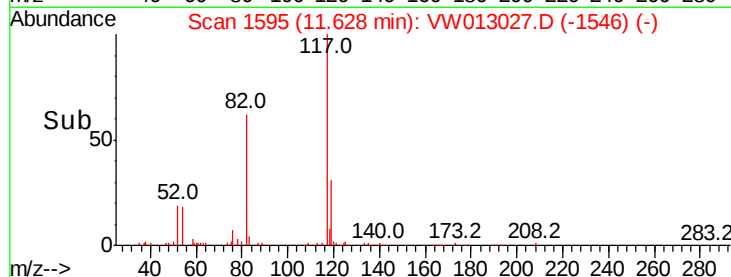
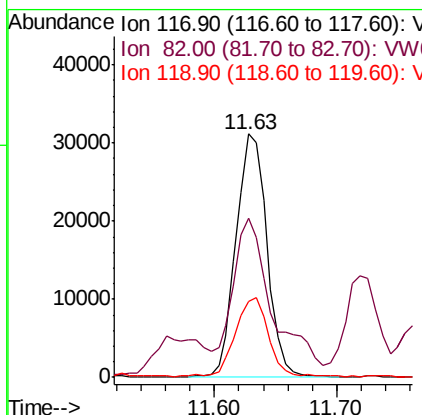
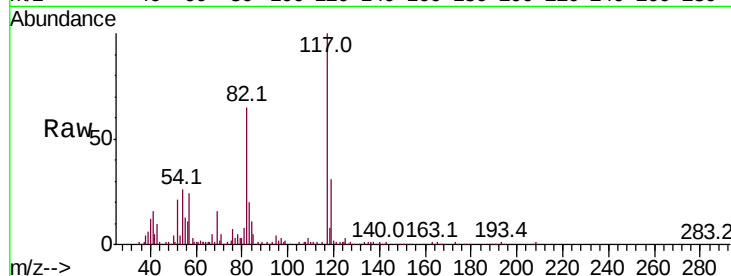




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

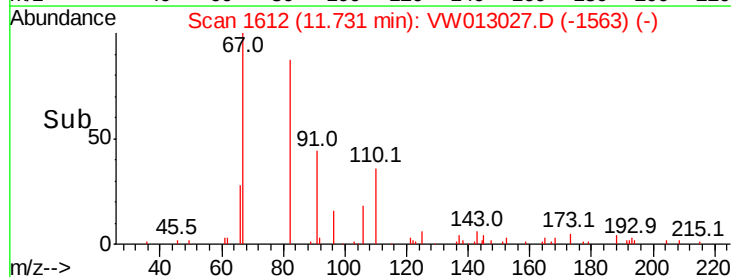
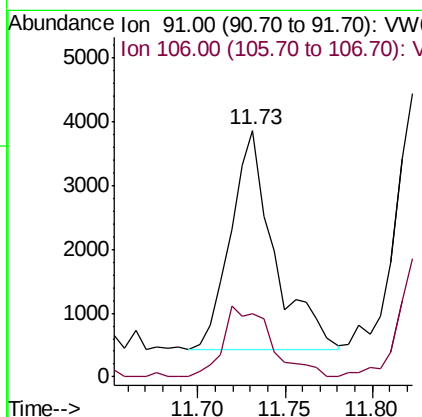
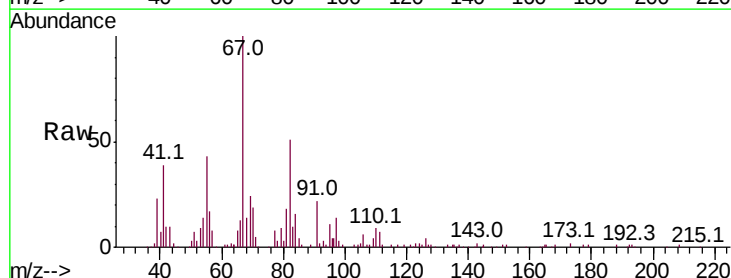
Instrument :
MSVOA_W
ClientSampleId :

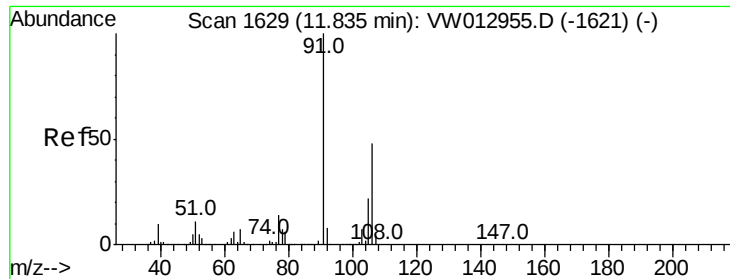
Tot Ion:117 Resp: 54507
Ion Ratio Lower Upper
117 100
82 54.0 46.3 69.5
119 30.7 26.2 39.4



#67
Ethyl Benzene
Concen: 3.304 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 91 Resp: 5924
Ion Ratio Lower Upper
91 100
106 28.8 24.3 36.5

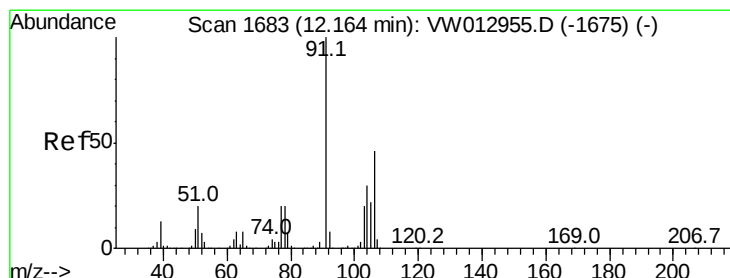
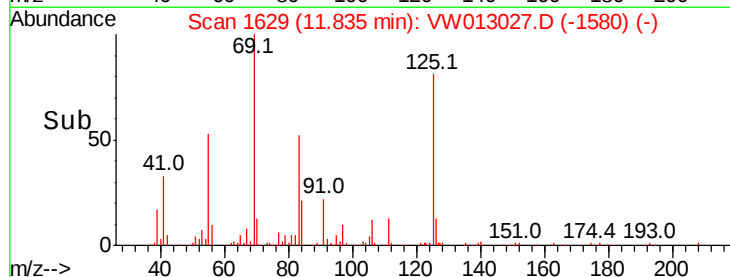
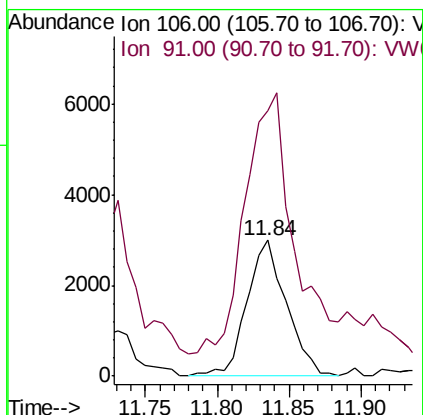
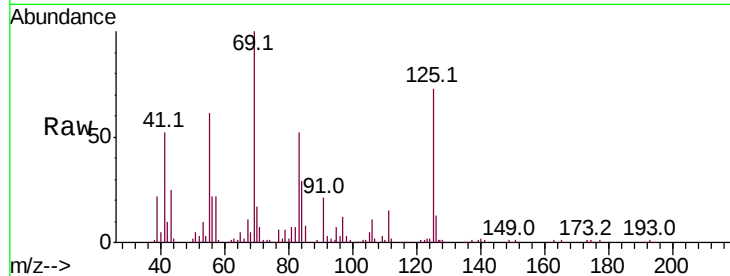




#68
m/p-Xylenes
Concen: 8.665 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

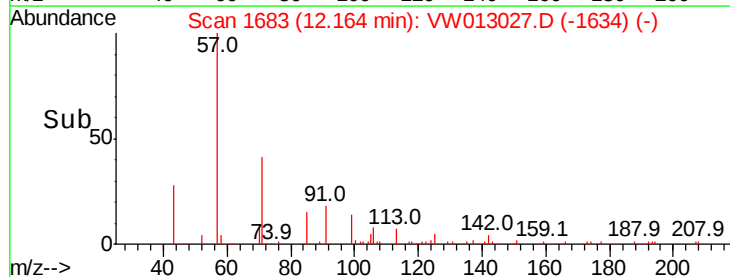
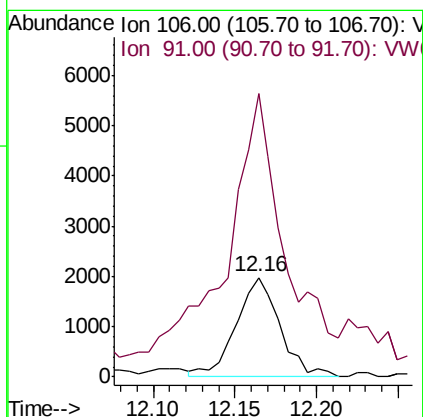
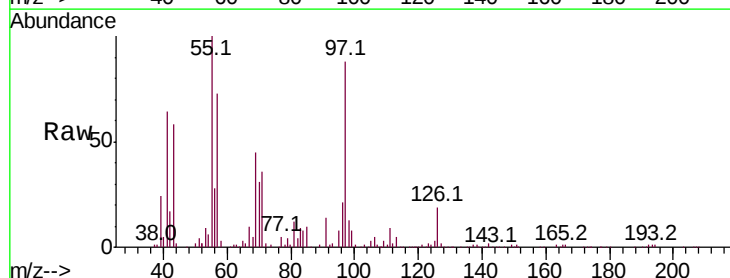
Instrument :
MSVOA_W
ClientSampled :

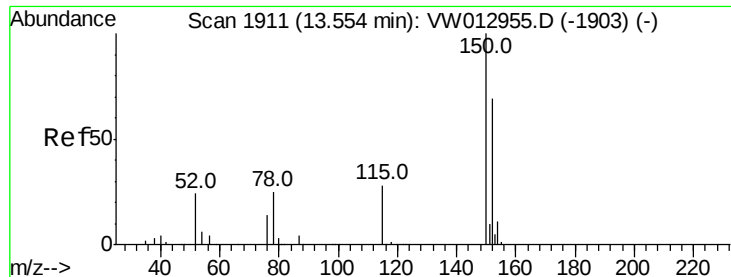
Tot Ion:106 Resp: 5676
Ion Ratio Lower Upper
106 100
91 234.2 165.8 248.8



#69
o-Xylene
Concen: 6.049 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion:106 Resp: 3715
Ion Ratio Lower Upper
106 100
91 317.9 109.7 329.0



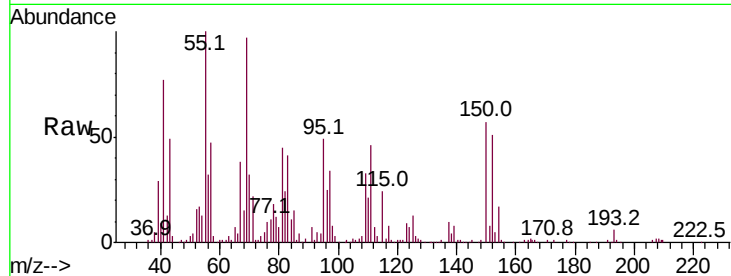


#72

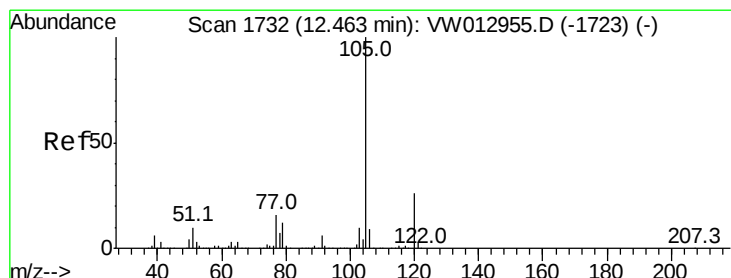
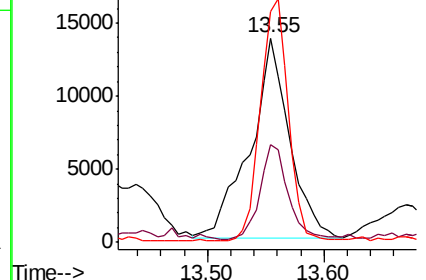
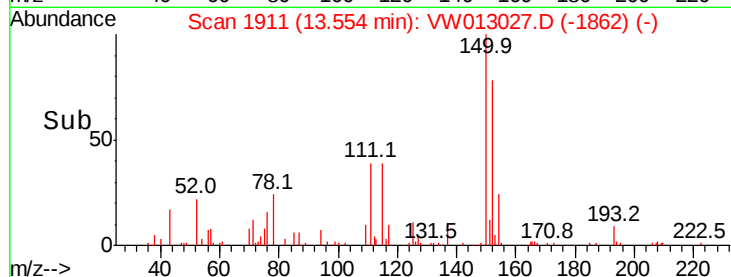
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 32221
Ion Ratio Lower Upper
152 100
115 34.0 28.8 86.4
150 85.1 0.0 340.2



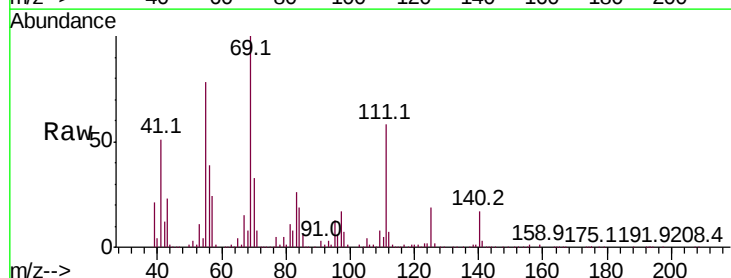
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



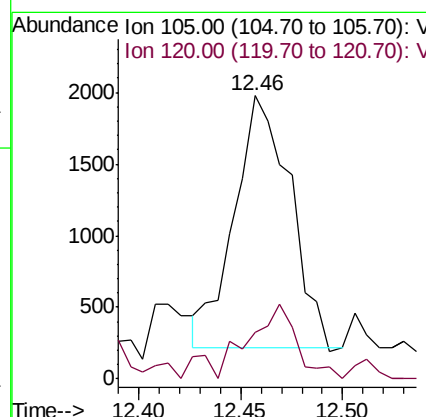
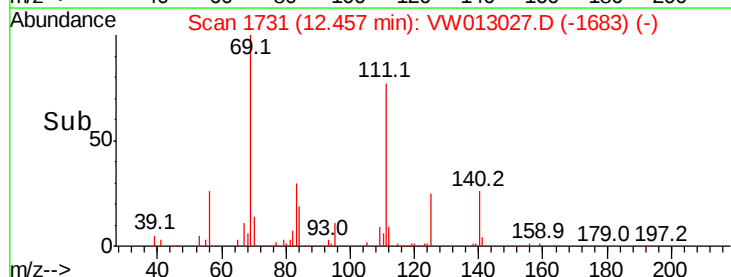
#73

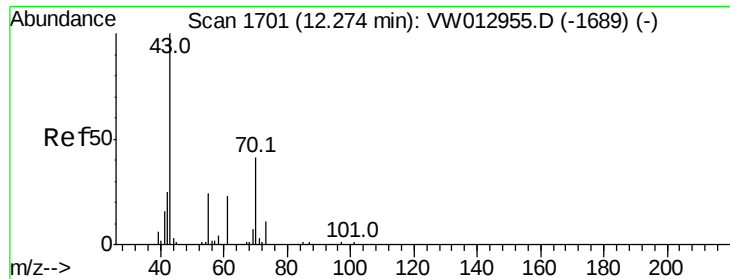
Isopropylbenzene
Concen: 1.567 ug/l
RT: 12.46 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion:105 Resp: 3346
Ion Ratio Lower Upper
105 100
120 25.1 13.0 39.0



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





#74

N-amvl acetate

Concen: 579.274 ug/l

RT: 12.36 min Scan# 1715

Delta R.T. 0.09 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 318246

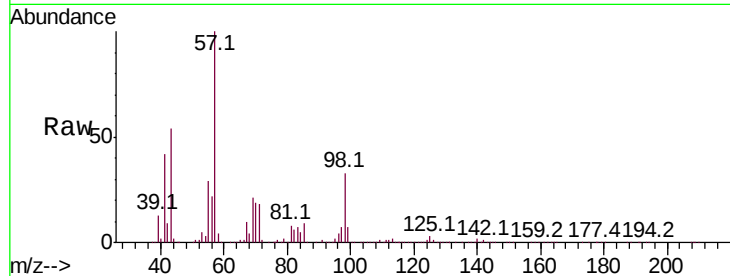
Ion Ratio Lower Upper

43 100

70 40.6 31.7 47.5

55 0.0 19.4 29.2#

61 0.1 18.7 28.1#

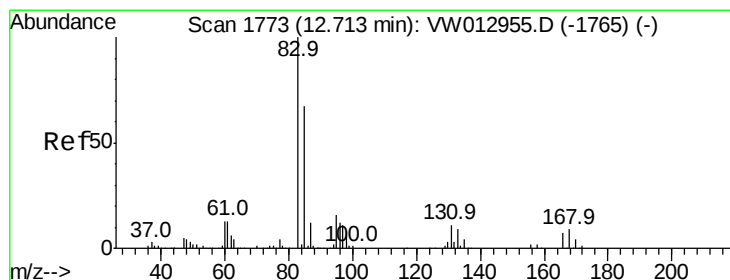
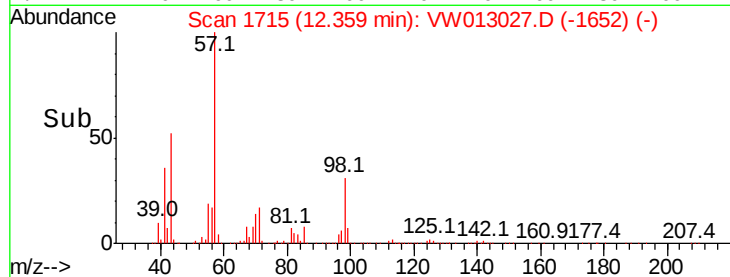
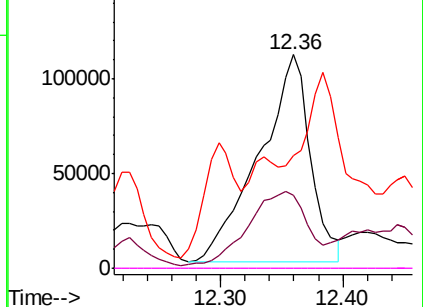


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 7.139 ug/l

RT: 12.74 min Scan# 1777

Delta R.T. 0.02 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

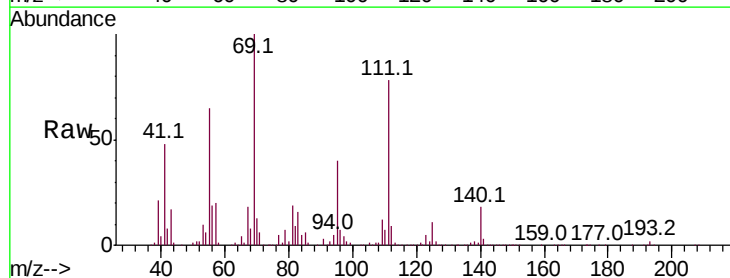
Tgt Ion: 83 Resp: 2678

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

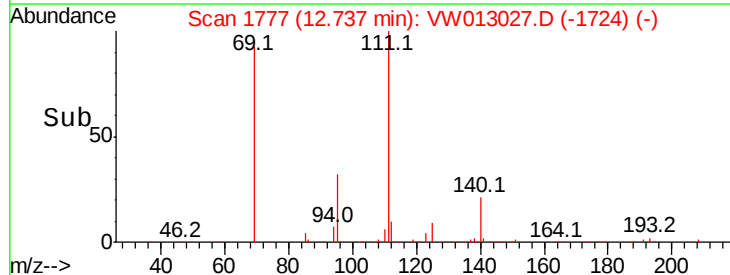
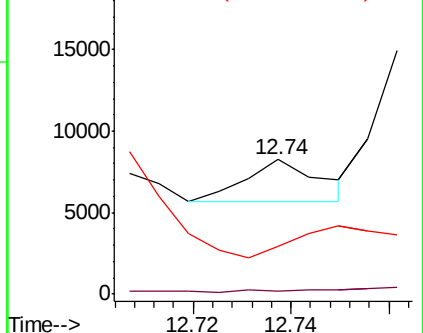
85 0.0 31.4 94.3#

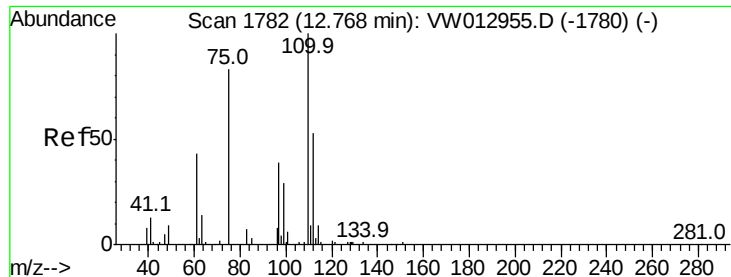


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 43.624 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

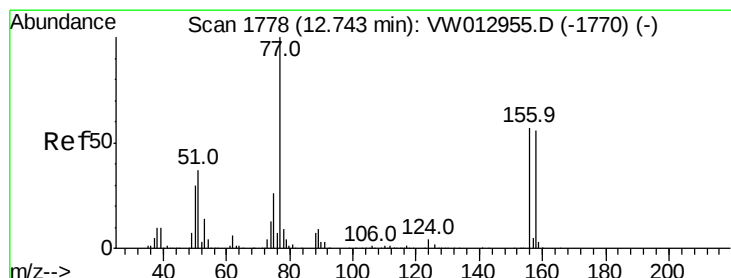
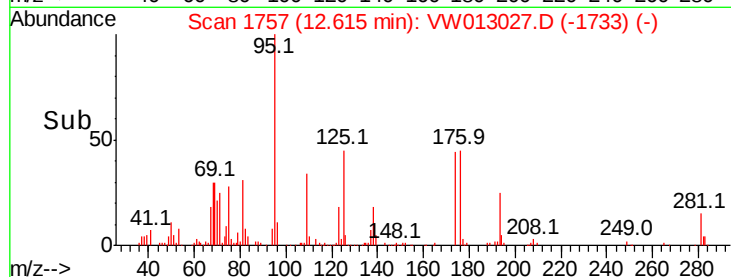
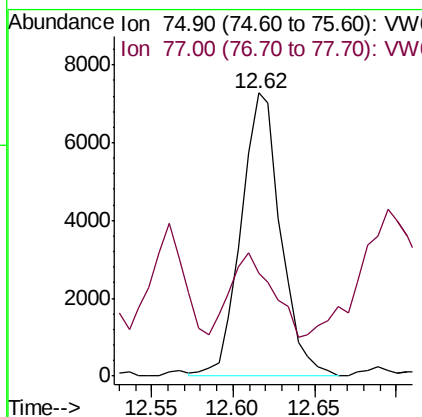
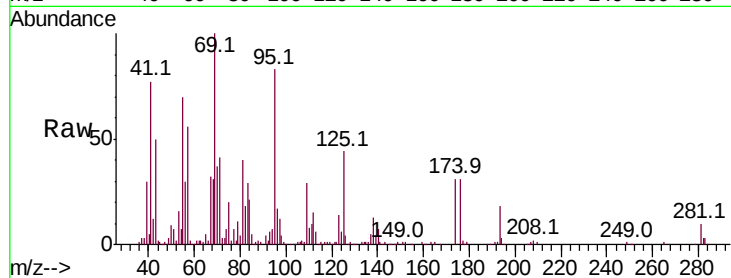
ClientSampled :

Tot Ion: 75 Resp: 12312

Ion Ratio Lower Upper

75 100

77 29.7 0.0 0.0#



#77

Bromobenzene

Concen: 1.189 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.03 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

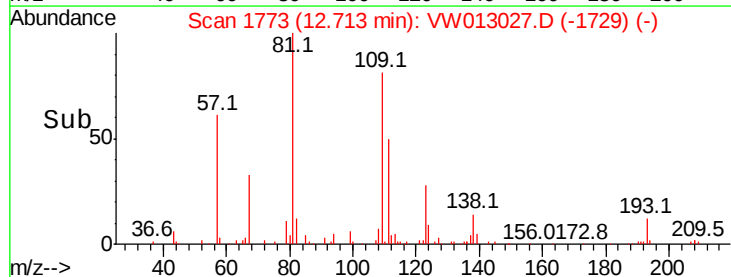
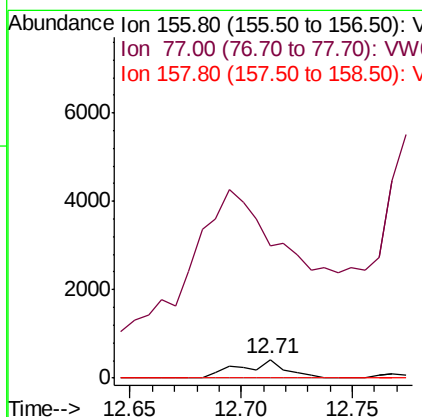
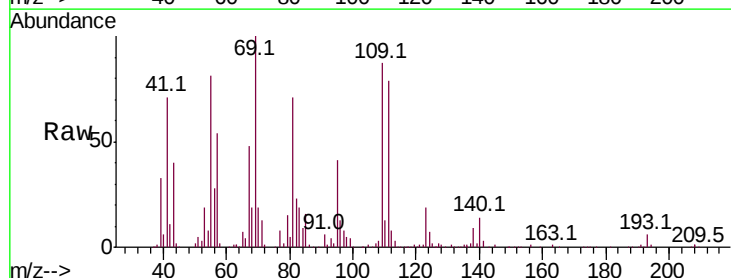
Tgt Ion: 156 Resp: 585

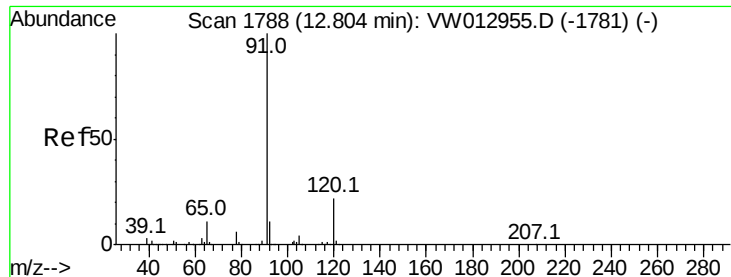
Ion Ratio Lower Upper

156 100

77 1666.0 95.2 285.6#

158 0.0 49.0 147.2#





#78

n-propylbenzene

Concen: 3.825 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

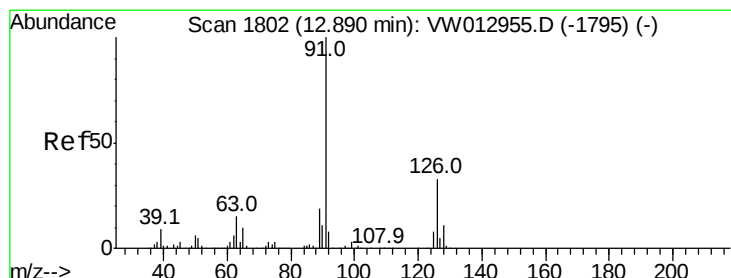
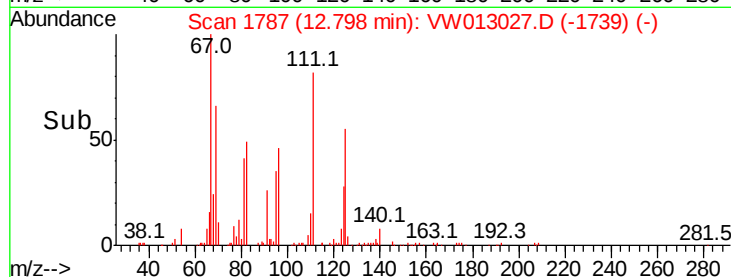
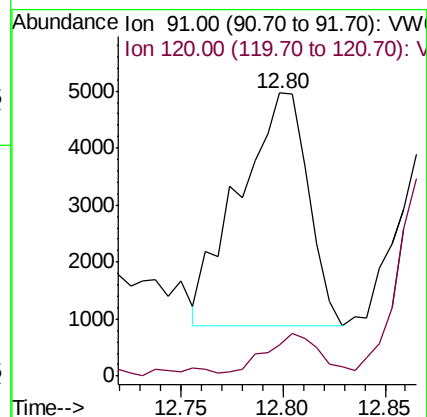
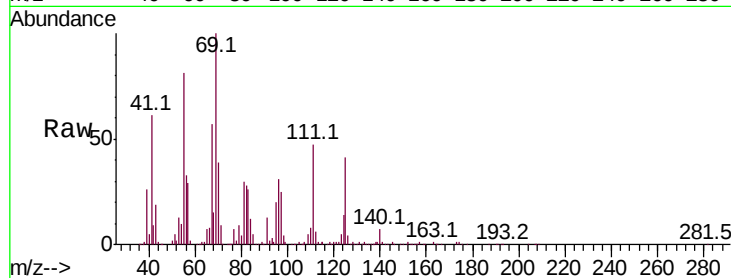
ClientSampled :

Tot Ion: 91 Resp: 9609

Ion Ratio Lower Upper

91 100

120 12.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 5.472 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.05 min

Lab File: VW013027.D

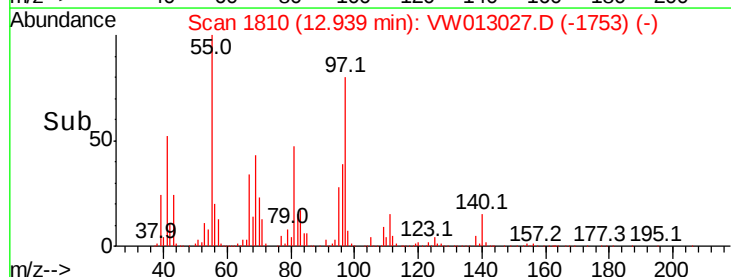
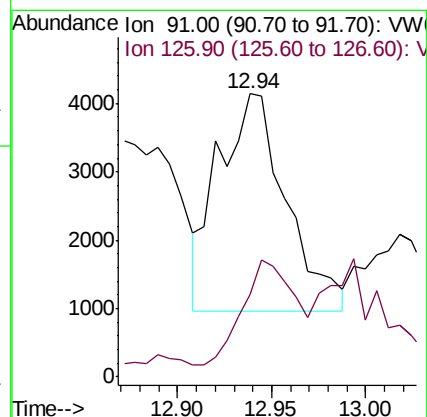
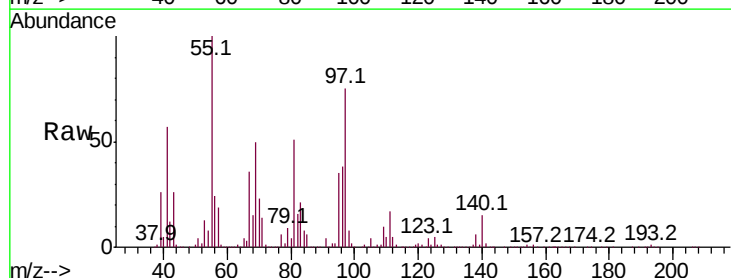
Acq: 15 Sep 2019 07:27

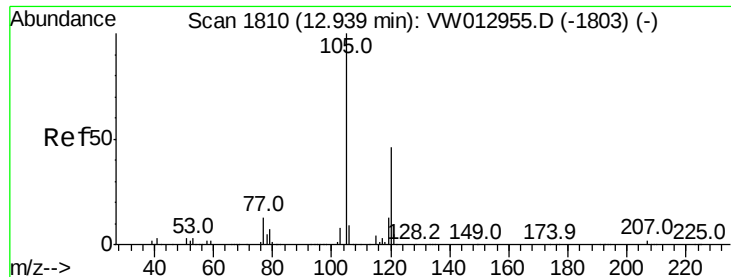
Tgt Ion: 91 Resp: 7902

Ion Ratio Lower Upper

91 100

126 37.3 16.5 49.5





#80

1,3,5-Trimethylbenzene

Concen: 4.267 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

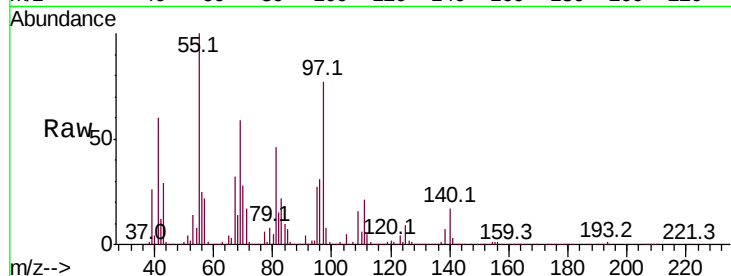
ClientSampled :

Tot Ion:105 Resp: 7710

Ion Ratio Lower Upper

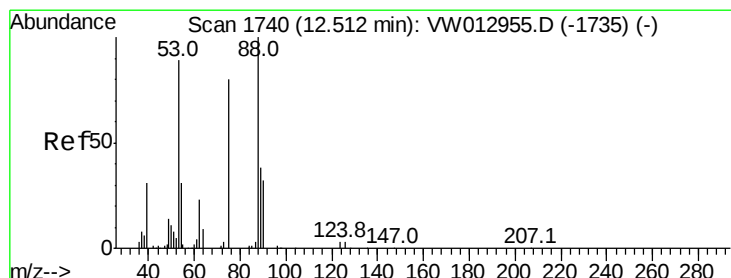
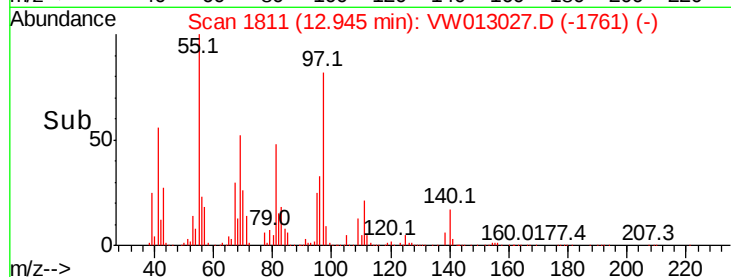
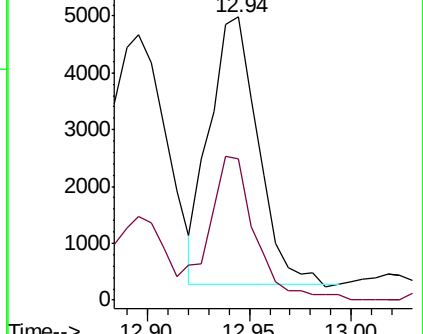
105 100

120 51.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 98.960 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

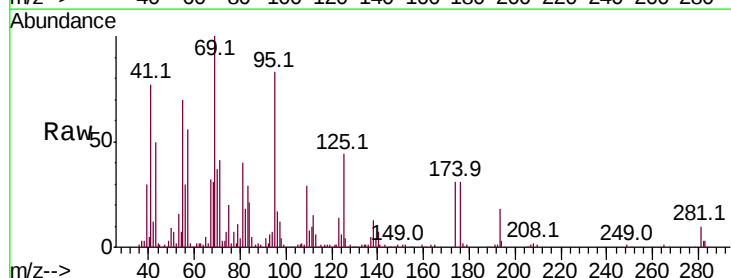
Tgt Ion: 75 Resp: 12312

Ion Ratio Lower Upper

75 100

53 62.5 85.6 128.4#

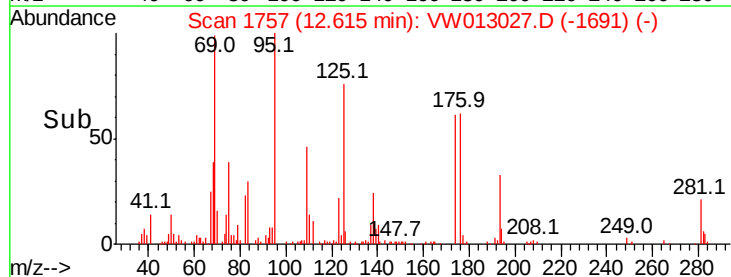
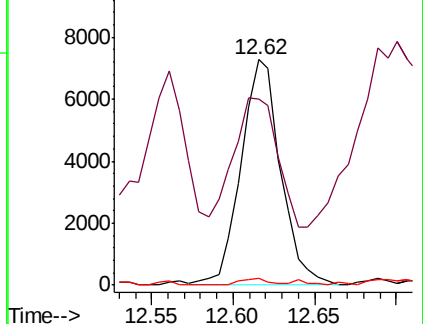
89 2.0 37.2 55.8#

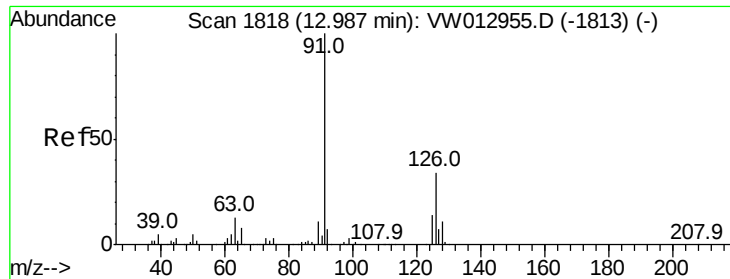


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

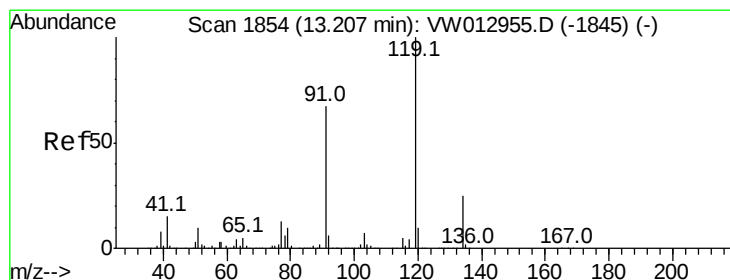
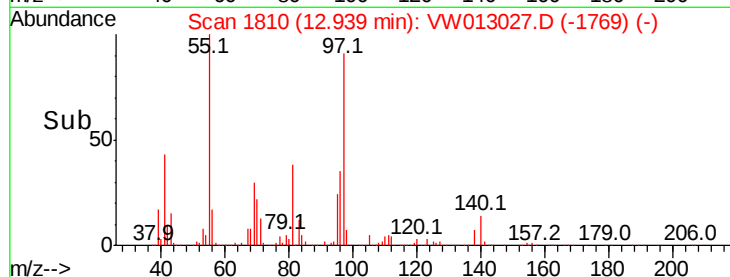
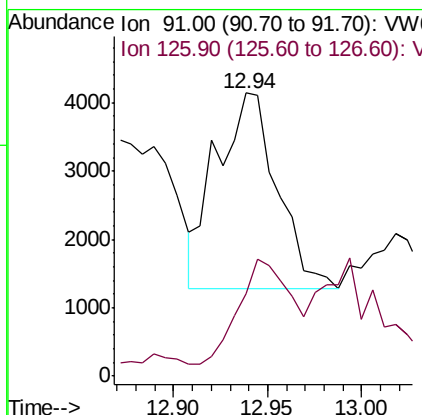
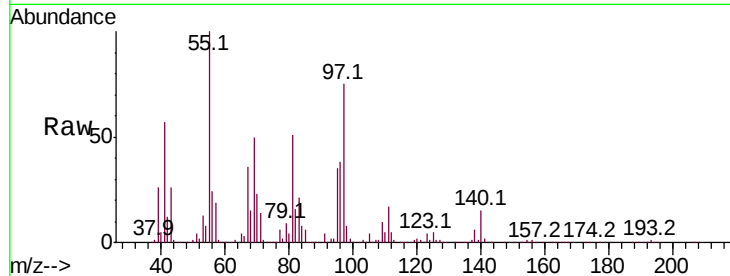




#82
4-Chlorotoluene
Concen: 4.207 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.05 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

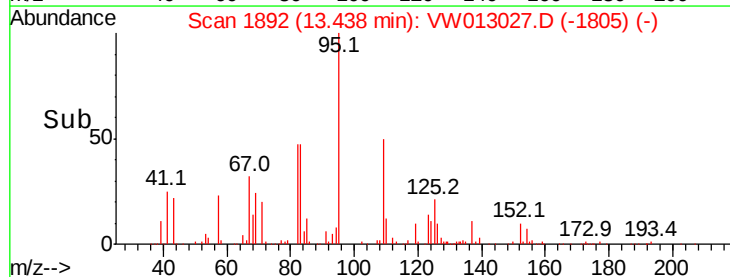
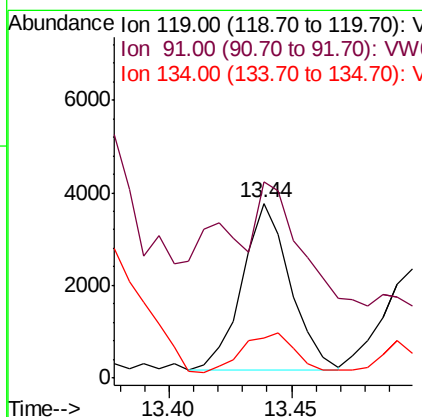
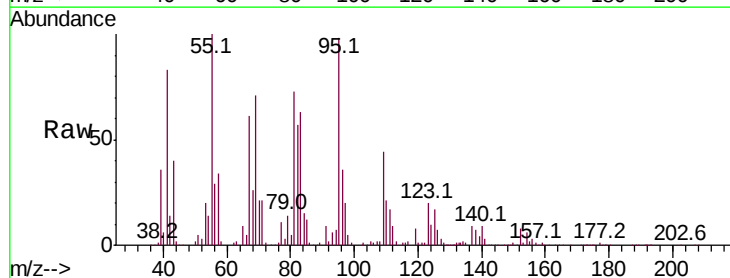
Instrument :
MSVOA_W
ClientSampleId :

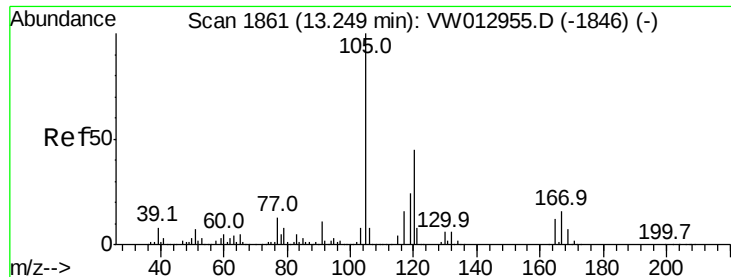
Tot Ion: 91 Resp: 6411
Ion Ratio Lower Upper
91 100
126 46.0 16.1 48.3



#83
tert-Butylbenzene
Concen: 3.037 ug/l
RT: 13.44 min Scan# 1892
Delta R.T. 0.23 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 119 Resp: 4908
Ion Ratio Lower Upper
119 100
91 65.3 32.6 98.0
134 27.8 12.4 37.4

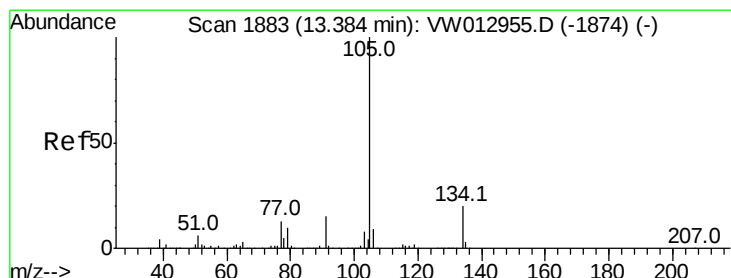
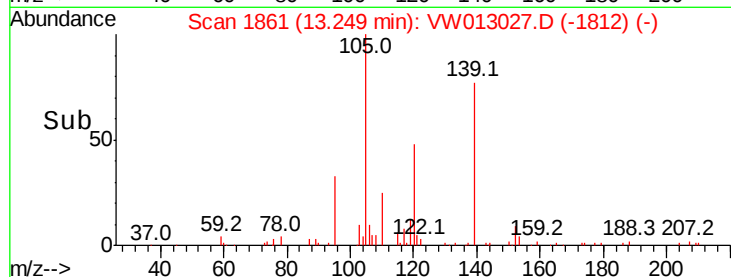
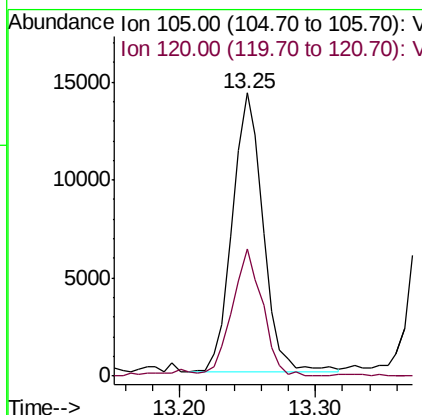
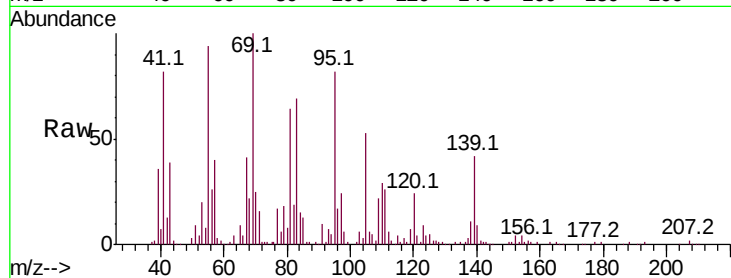




#84
 1,2,4-Trimethylbenzene
 Concen: 12.384 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013027.D
 Acq: 15 Sep 2019 07:27

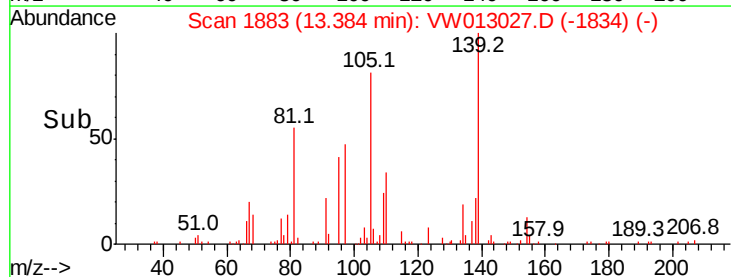
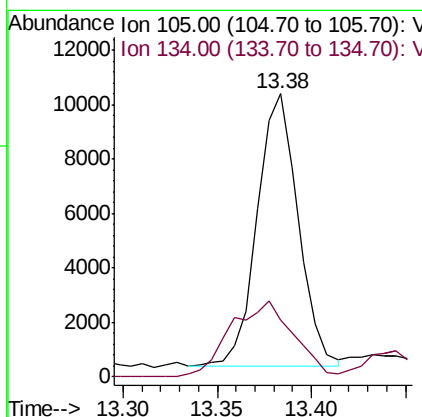
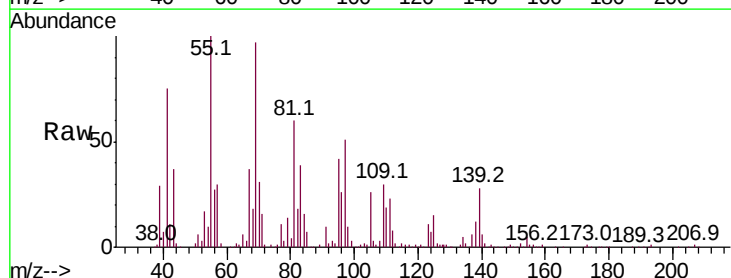
Instrument :
 MSVOA_W
 ClientSampleId :

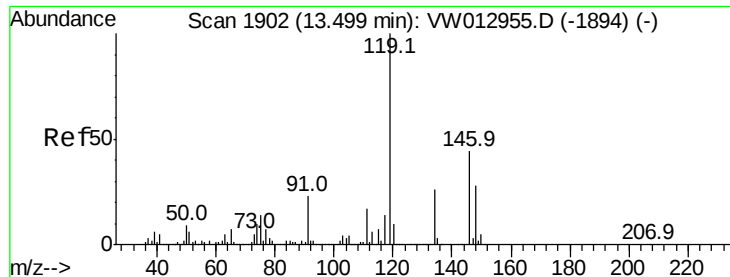
Tot Ion:105 Resp: 22111
 Ion Ratio Lower Upper
 105 100
 120 45.7 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 6.868 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013027.D
 Acq: 15 Sep 2019 07:27

Tgt Ion:105 Resp: 15123
 Ion Ratio Lower Upper
 105 100
 134 42.8 10.2 30.4#

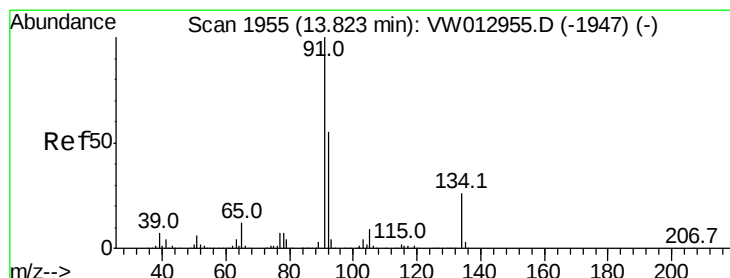
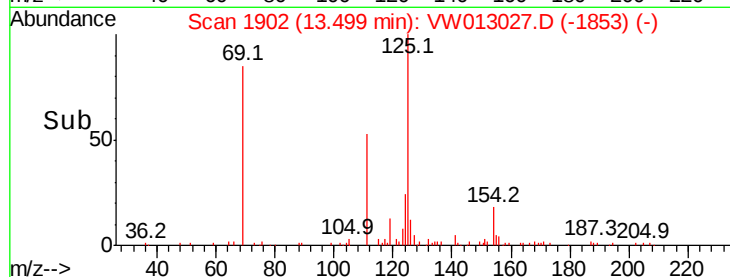
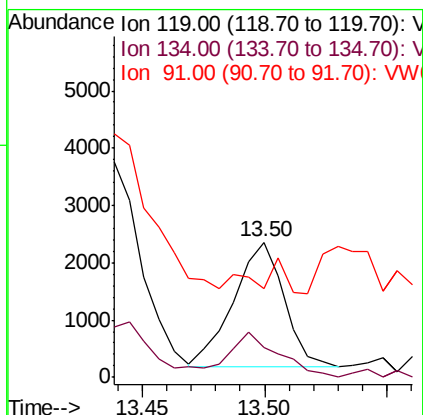
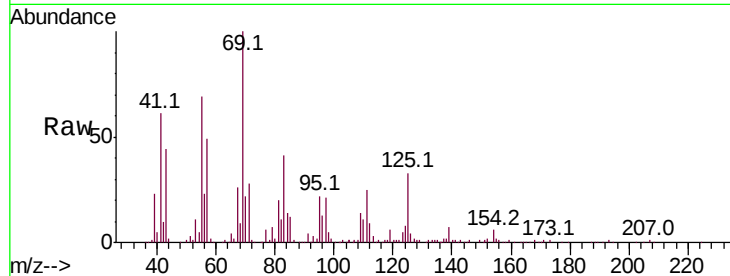




#86
p-Isopropyltoluene
Concen: 1.553 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

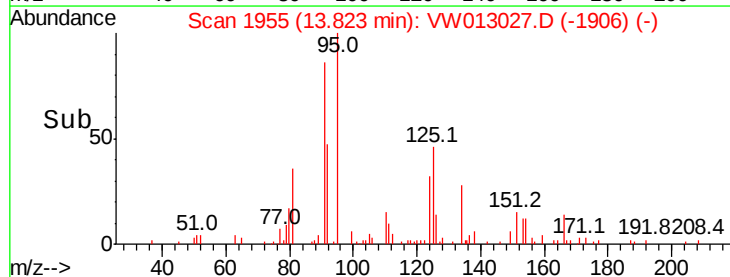
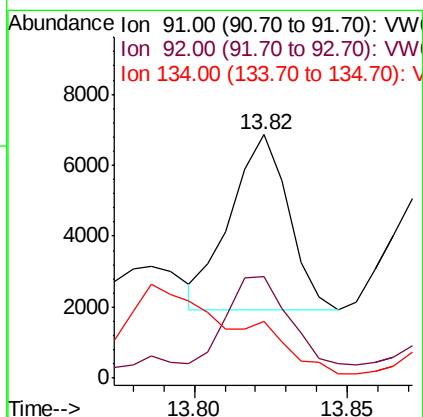
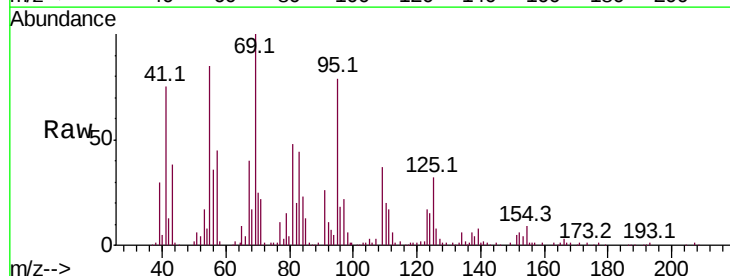
Instrument :
MSVOA_W
ClientSampled :

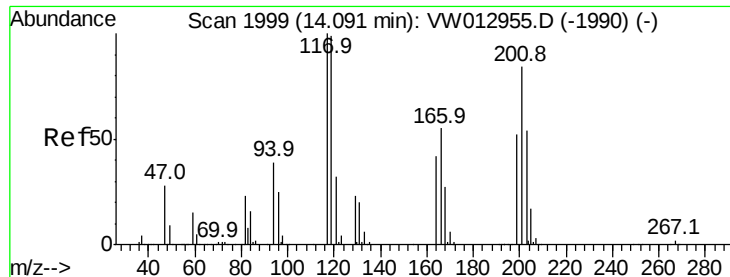
Tot Ion:119 Resp: 3140
Ion Ratio Lower Upper
119 100
134 35.0 12.8 38.3
91 0.0 11.8 35.4#



#89
n-Butylbenzene
Concen: 3.392 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013027.D
Acq: 15 Sep 2019 07:27

Tgt Ion: 91 Resp: 6467
Ion Ratio Lower Upper
91 100
92 52.7 27.2 81.5
134 0.0 13.1 39.1#





#90

Hexachloroethane

Concen: 6.760 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

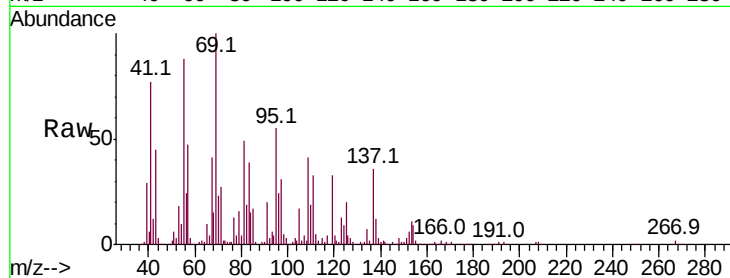
ClientSampled :

Tot Ion:117 Resp: 2449

Ion Ratio Lower Upper

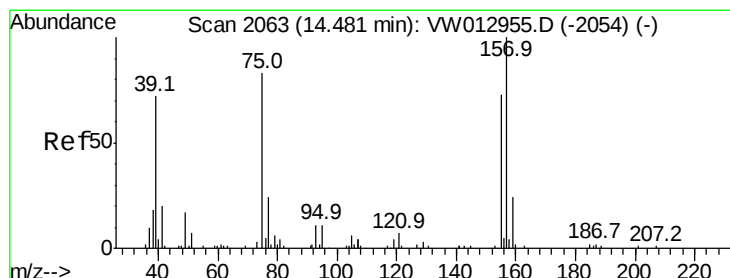
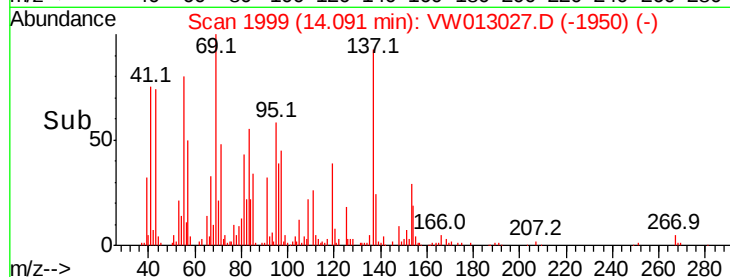
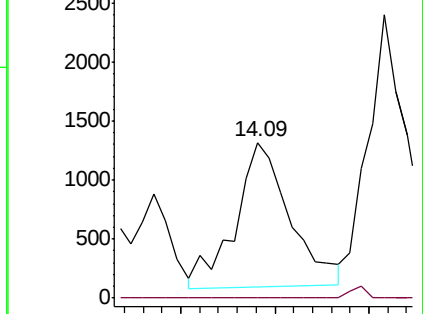
117 100

201 0.0 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.656 ug/l

RT: 14.66 min Scan# 2092

Delta R.T. 0.18 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

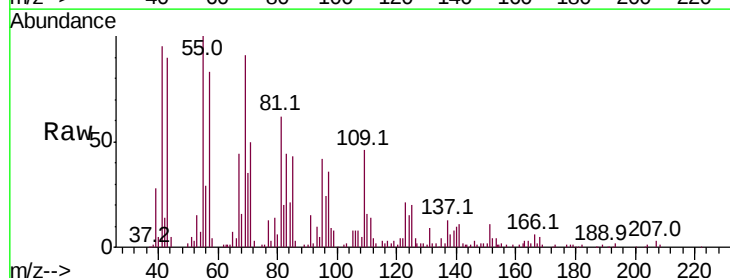
Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

155 117.9 43.3 129.9

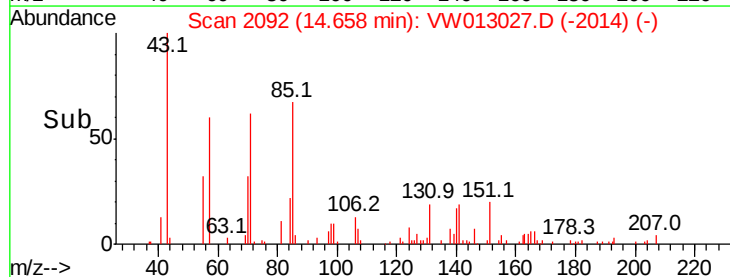
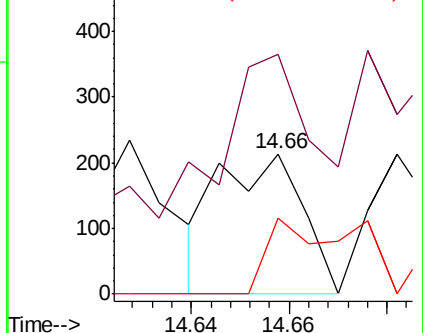
157 55.8 54.7 164.1

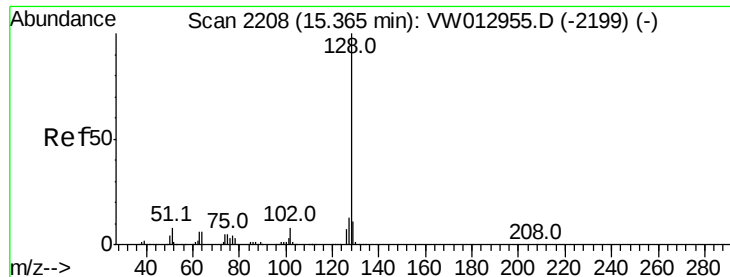


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2.719 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

Instrument :

MSVOA_W

ClientSampleId :

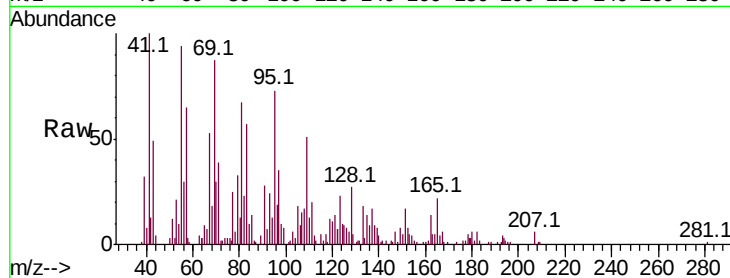
Tot Ion:128 Resp: 2775

Ion Ratio Lower Upper

128 100

127 16.6 11.0 16.6#

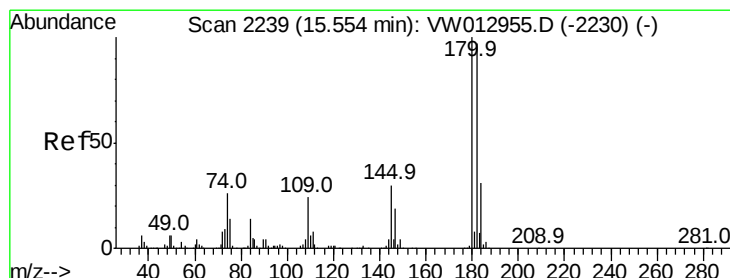
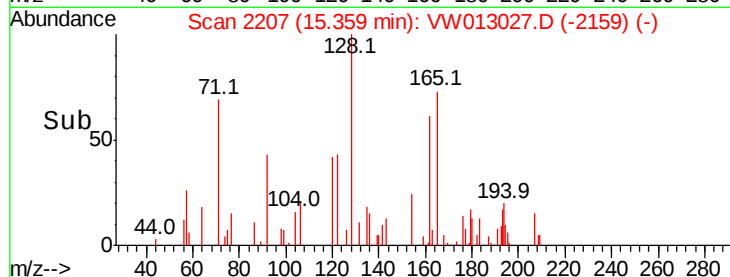
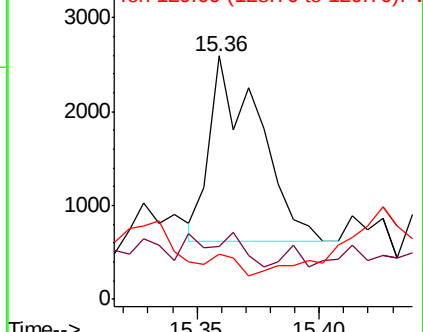
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.050 ug/l

RT: 15.57 min Scan# 2242

Delta R.T. 0.02 min

Lab File: VW013027.D

Acq: 15 Sep 2019 07:27

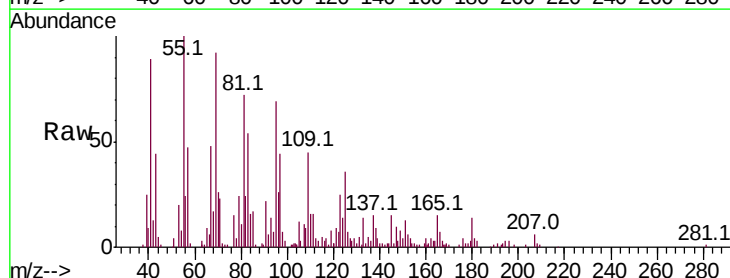
Tgt Ion:180 Resp: 1647

Ion Ratio Lower Upper

180 100

182 8.5 47.6 142.8#

145 0.0 15.4 46.2#



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

