

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009166.D
 Acq On : 13 Mar 2019 20:03
 Operator : SY/VA
 Sample : K1895-01RE
 Misc : 4.35G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	509877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	177447	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	7.88	113	153038	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.32	98	683279	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	341791	68.41	ug/l	0.00
Spiked Amount			Recovery	=	136.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.20	142	20	3.193	ug/l #	40
11) Tert butyl alcohol	5.12	59	765	3.054	ug/l #	72
13) Acrolein	3.85	56	514	1.865	ug/l #	1
15) Acrylonitrile	5.44	53	13442	18.531	ug/l #	44
16) Acetone	4.14	43	36149	49.003	ug/l	99
20) Methylene Chloride	4.91	84	11750	Below Cal	#	73
25) 2-Butanone	7.15	43	11963	11.734	ug/l #	60
29) Tetrahydrofuran	7.52	42	2352	3.661	ug/l #	58
30) Chloroform	7.63	83	23889	3.908	ug/l #	17
31) Cyclohexane	7.95	56	574615	94.253	ug/l	94
36) 1,1-Dichloropropene	7.95	75	26322	4.905	ug/l #	75
37) Ethyl Acetate	7.15	43	11963	4.746	ug/l #	85
38) Carbon Tetrachloride	7.95	117	31725	5.724	ug/l #	18
39) Methylcyclohexane	9.34	83	1631314	255.216	ug/l	97
41) Methacrylonitrile	7.52	41	8956	6.398	ug/l #	52
43) Isopropyl Acetate	8.42	43	78433	16.707	ug/l #	54
45) 1,2-Dichloropropane	9.34	63	20943	5.837	ug/l #	1
47) Bromodichloromethane	9.62	83	75722	15.266	ug/l #	27
48) Methyl methacrylate	9.38	41	81938	37.482	ug/l #	16
49) 1,4-Dioxane	9.51	88	34	1.212	ug/l #	1
51) 4-Methyl-2-Pentanone	10.25	43	43814	18.383	ug/l #	67
52) Toluene	10.39	92	9821	1.011	ug/l	96
55) 1,1,2-Trichloroethane	10.76	97	319325	120.233	ug/l #	23
56) Ethyl methacrylate	10.66	69	93681	28.421	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.96	63	2861	1.674	ug/l #	46
59) 2-Hexanone	10.93	43	386023	230.363	ug/l #	31
61) 1,2-Dibromoethane	11.20	107	3449	1.325	ug/l #	1
67) Ethyl Benzene	11.73	91	160134	7.987	ug/l	97
68) m/p-Xylenes	11.85	106	420559	53.143	ug/l	97
69) o-Xylene	12.16	106	665164	90.335	ug/l	98
70) Styrene	12.16	104	34775	2.919	ug/l #	1
73) Isopropylbenzene	12.46	105	276056	17.585	ug/l	99
74) N-amyl acetate	12.26	43	430028	115.716	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.70	83	26621	10.751	ug/l #	1

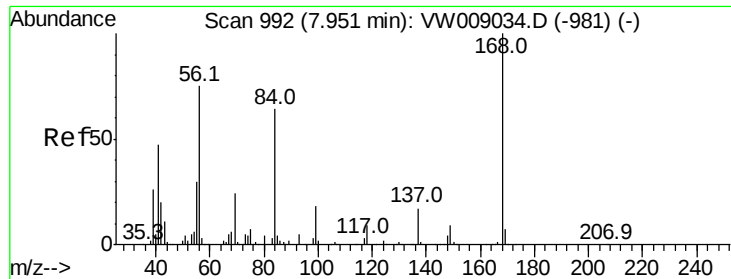
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	12.80	75	4999	2.886	ug/l #		1
78) n-propylbenzene	12.80	91	593758	30.707	ug/l #		53
79) 2-Chlorotoluene	12.90	91	1069309	98.428	ug/l #		41
80) 1,3,5-Trimethylbenzene	12.94	105	9894537	731.220	ug/l		95
81) trans-1,4-Dichloro-2-buten	12.46	75	4559	5.888	ug/l #		1
82) 4-Chlorotoluene	12.94	91	1153864	99.638	ug/l #		42
83) tert-Butylbenzene	13.26	119	610582	53.502	ug/l #		66
84) 1,2,4-Trimethylbenzene	13.26	105	5076805	370.888	ug/l		100
85) sec-Butylbenzene	13.38	105	372040	22.003	ug/l #		48
86) p-Isopropyltoluene	13.50	119	427028	28.231	ug/l		96
89) n-Butylbenzene	13.79	91	3154993	219.405	ug/l #		1
90) Hexachloroethane	14.10	117	1169443	448.272	ug/l #		10
91) 1,2-Dichlorobenzene	13.87	146	7395	1.112	ug/l #		1
92) 1,2-Dibromo-3-Chloropropan	14.46	75	44567	101.051	ug/l #		3
95) Naphthalene	15.37	128	262705	35.731	ug/l #		68
96) 1,2,3-Trichlorobenzene	15.53	180	14794	3.746	ug/l #		1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

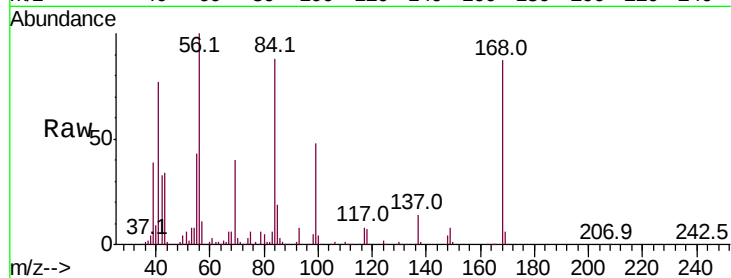
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 324923

Ion Ratio Lower Upper

168 100

99 55.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

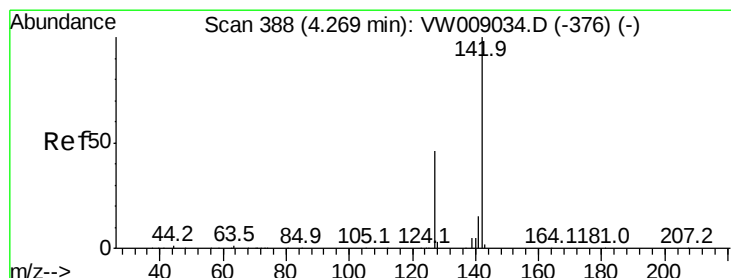
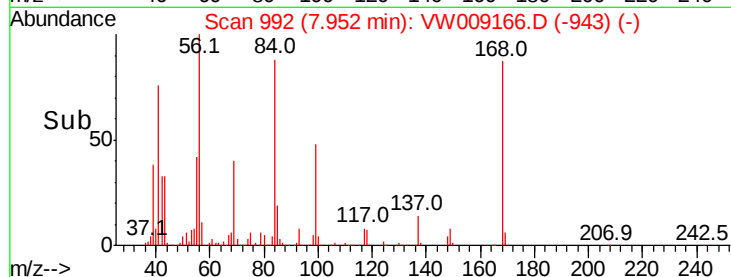
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.193 ug/l

RT: 4.20 min Scan# 376

Delta R.T. -0.07 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

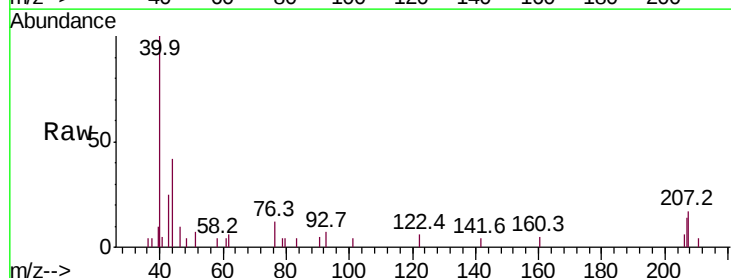
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

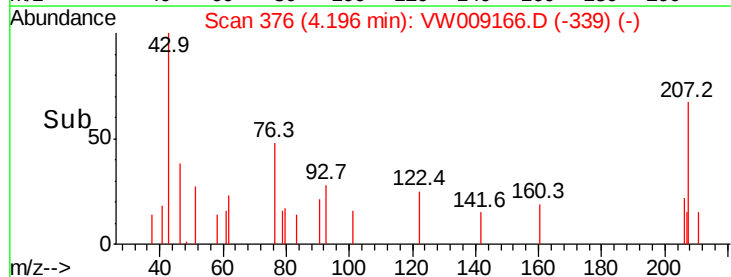
Ion 140.80 (140.50 to 141.50): V

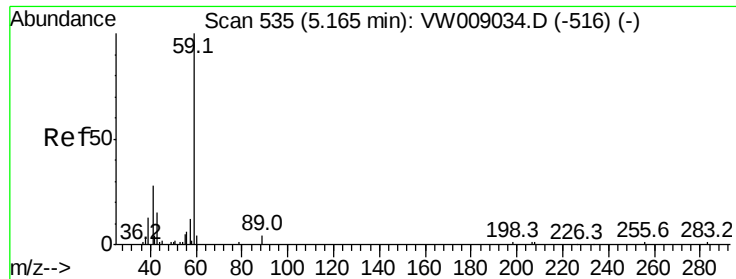
100

50

0

Time-->

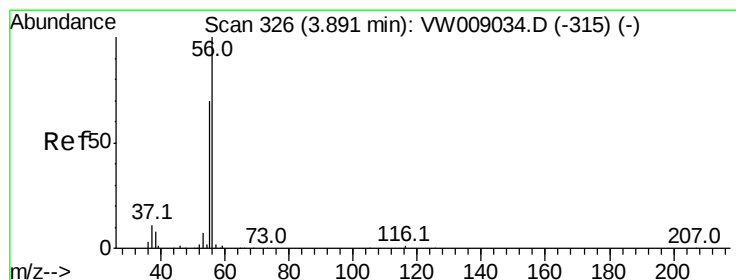
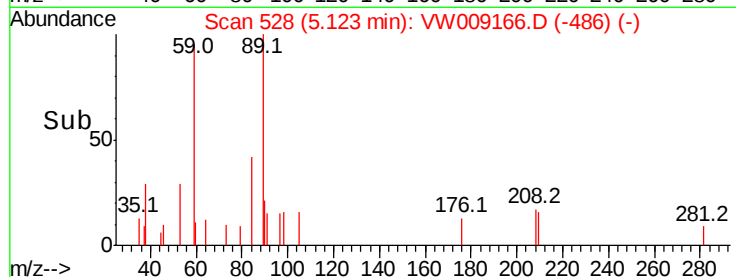
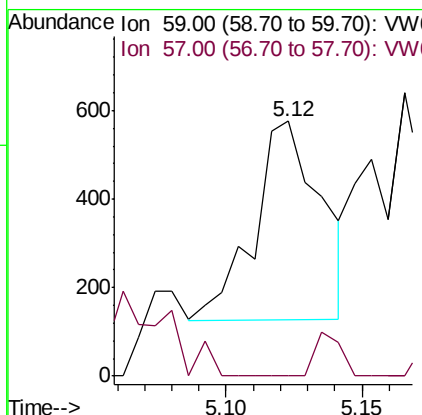
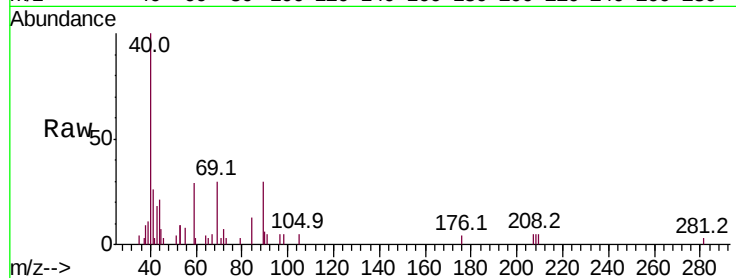




#11
Tert butyl alcohol
Concen: 3.054 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

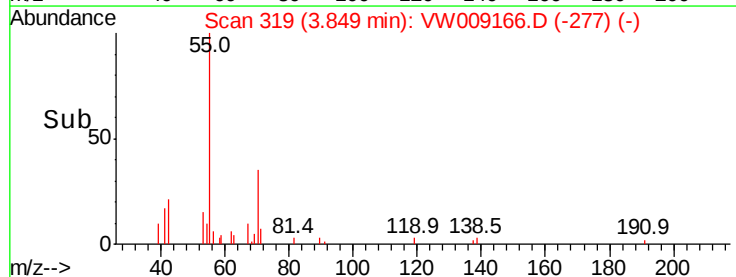
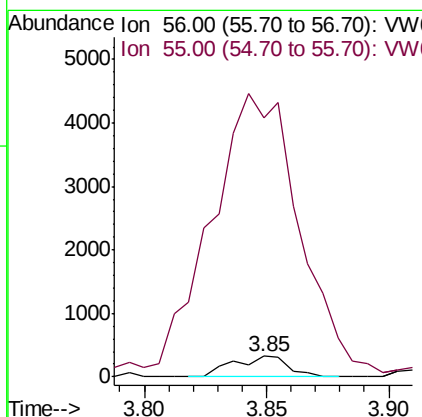
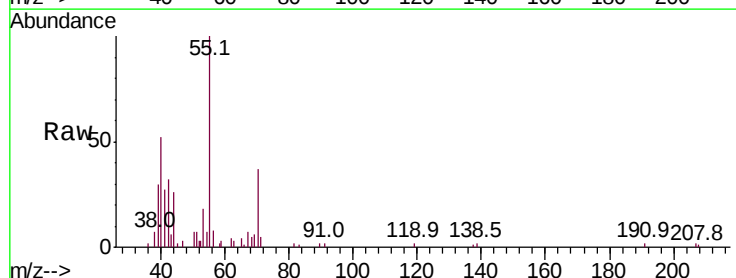
Instrument :
MSVOA_W
ClientSampled :

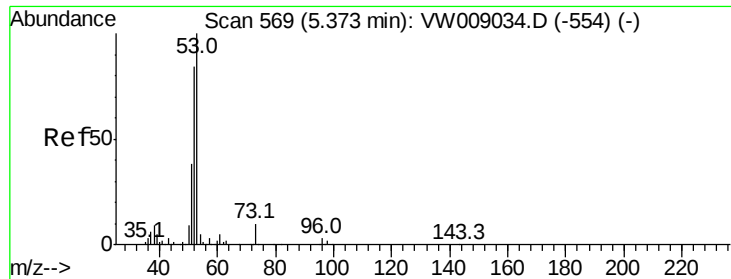
Tot Ion: 59 Resp: 765
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.865 ug/l
RT: 3.85 min Scan# 319
Delta R.T. -0.04 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
55 2217.9 56.6 84.8#





#15

Acrylonitrile

Concen: 18.531 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.07 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

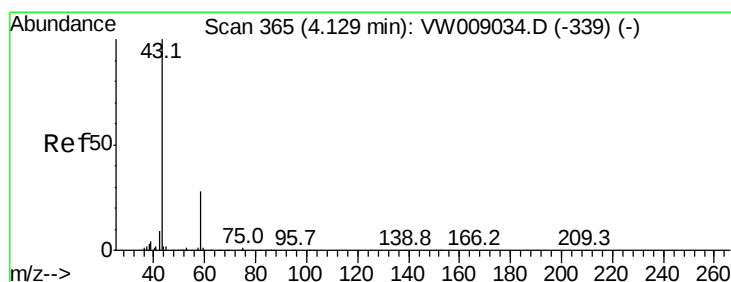
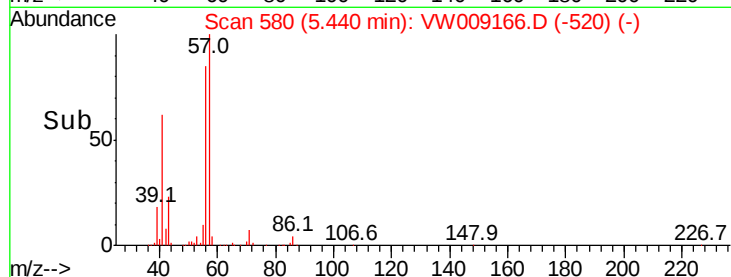
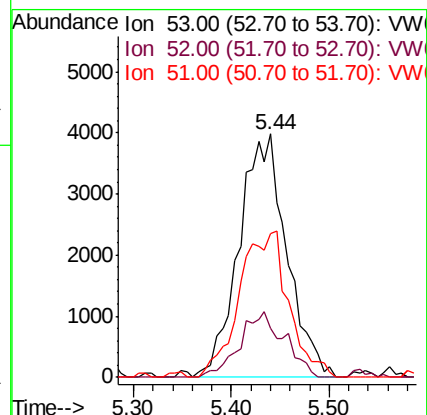
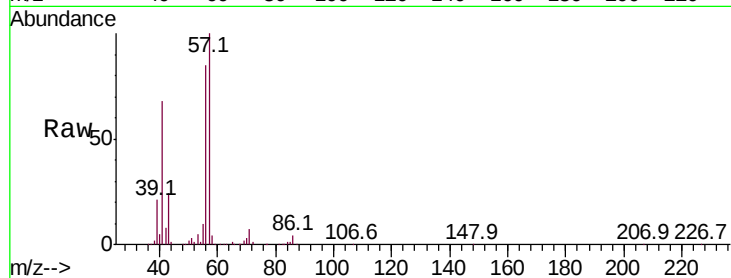
Tot Ion: 53 Resp: 13442

Ion Ratio Lower Upper

53 100

52 25.4 67.2 100.8#

51 62.1 31.8 47.6#



#16

Acetone

Concen: 49.003 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009166.D

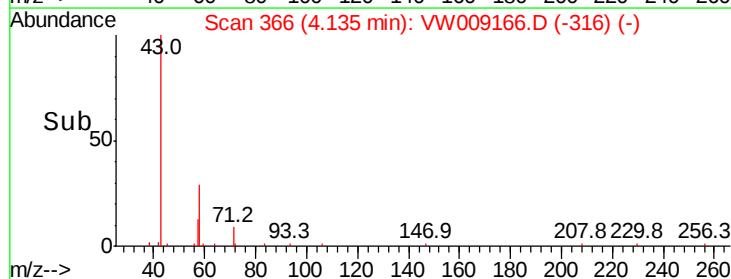
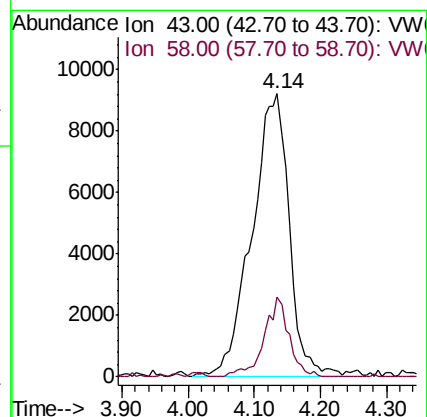
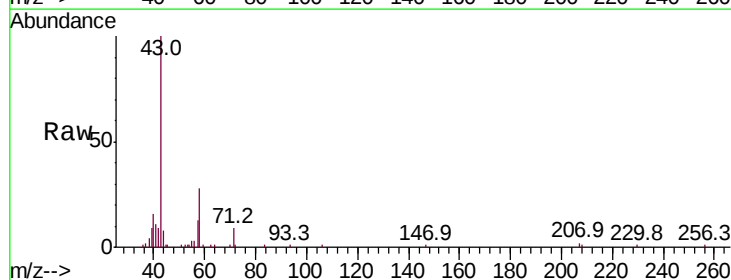
Acq: 13 Mar 2019 20:03

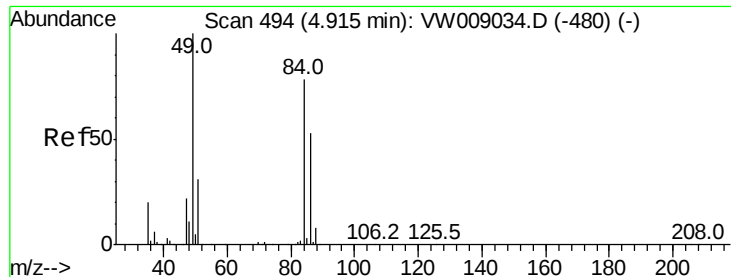
Tgt Ion: 43 Resp: 36149

Ion Ratio Lower Upper

43 100

58 28.4 22.5 33.7

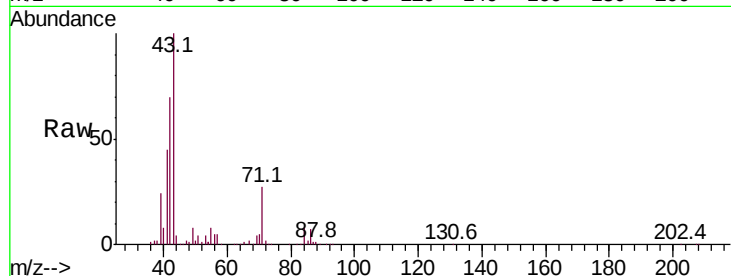




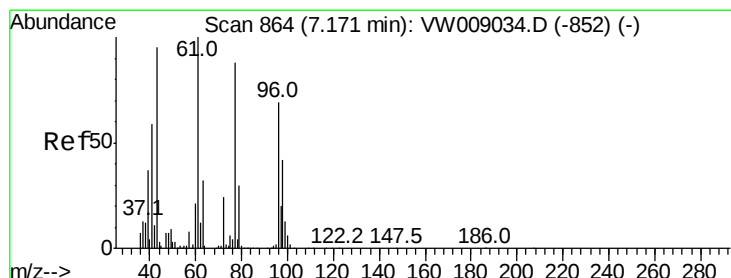
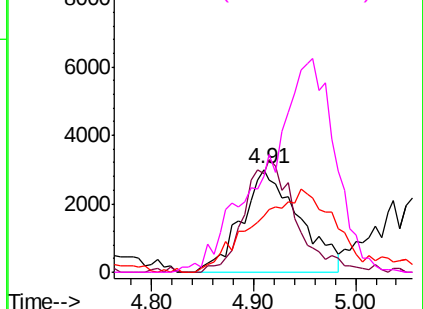
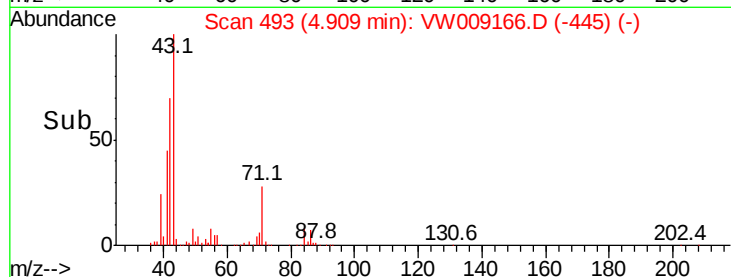
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 11750
Ion Ratio Lower Upper
84 100
49 95.3 102.4 153.6#
51 54.9 31.6 47.4#
86 88.6 54.5 81.7#

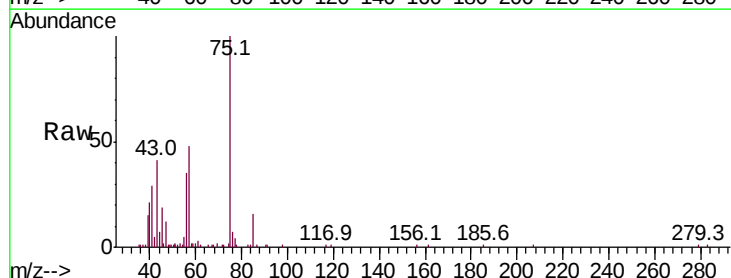


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

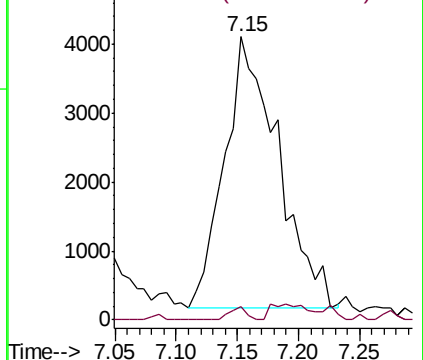
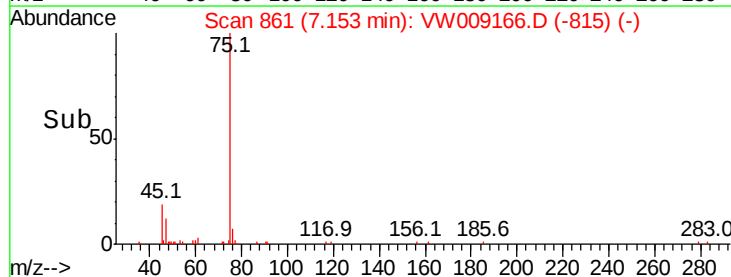


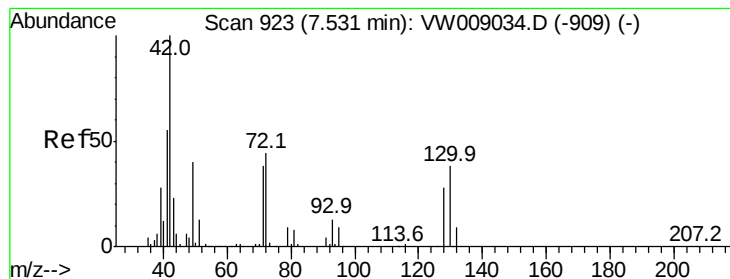
#25
2-Butanone
Concen: 11.734 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 43 Resp: 11963
Ion Ratio Lower Upper
43 100
72 5.0 20.0 30.0#



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





#29

Tetrahydrofuran

Concen: 3.661 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

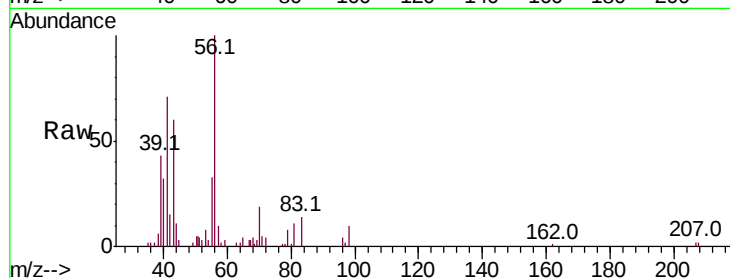
Tot Ion: 42 Resp: 2352

Ion Ratio Lower Upper

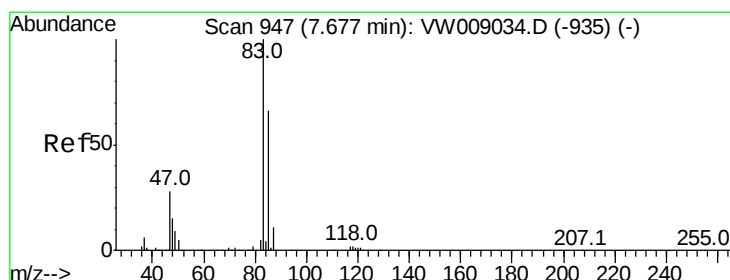
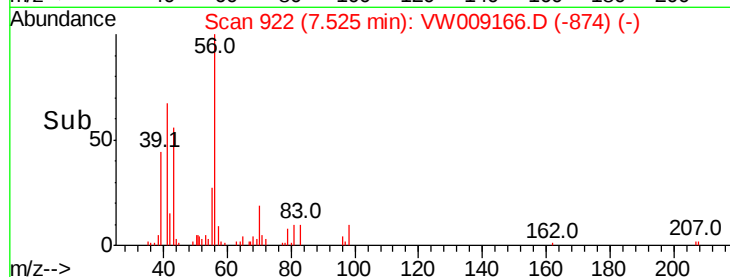
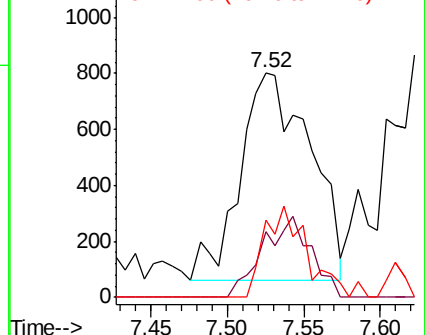
42 100

72 26.9 32.2 48.4#

71 0.0 30.7 46.1#



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



#30

Chloroform

Concen: 3.908 ug/l

RT: 7.63 min Scan# 940

Delta R.T. -0.04 min

Lab File: VW009166.D

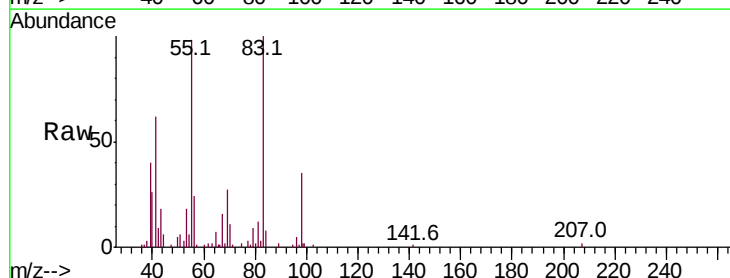
Acq: 13 Mar 2019 20:03

Tgt Ion: 83 Resp: 23889

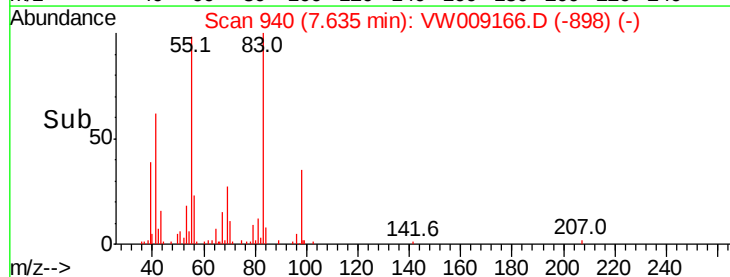
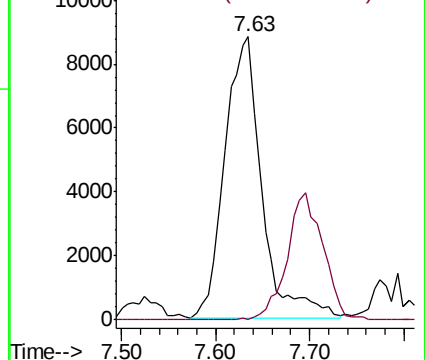
Ion Ratio Lower Upper

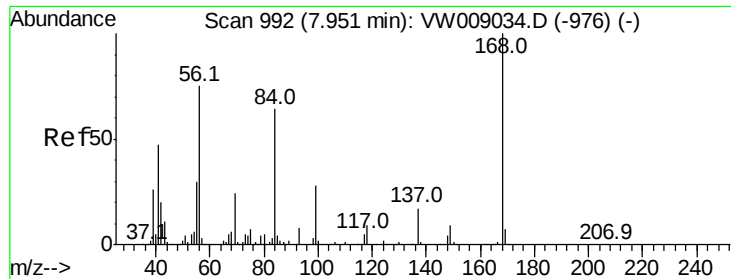
83 100

85 0.0 53.0 79.6#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

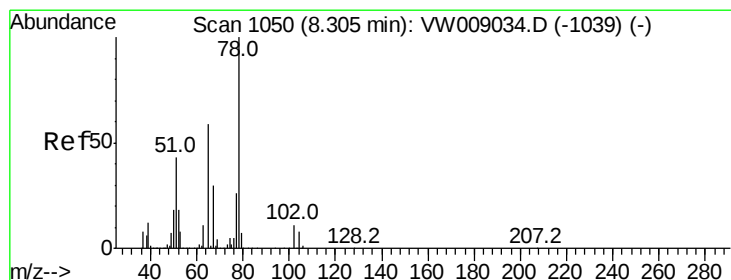
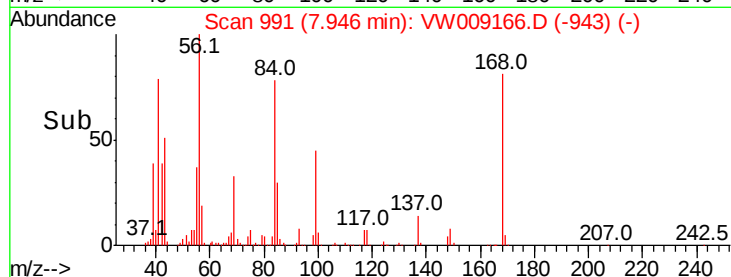
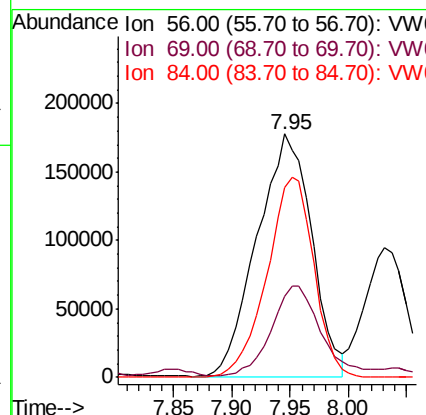
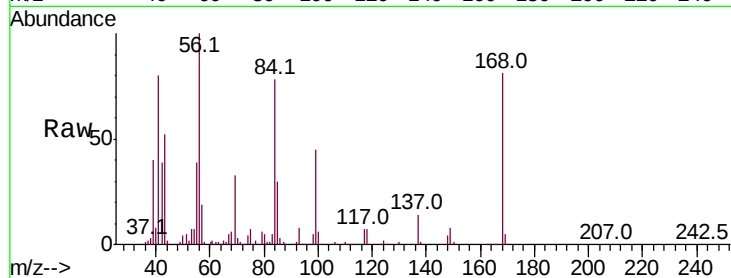




#31
Cyclohexane
Concen: 94.253 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

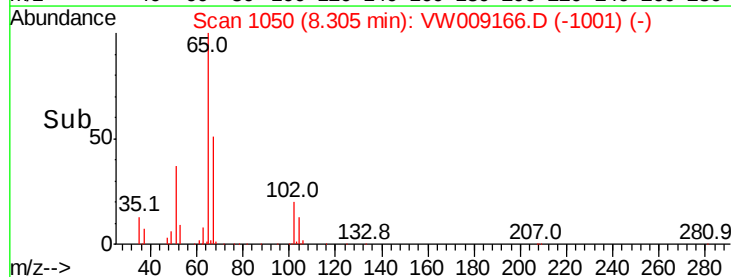
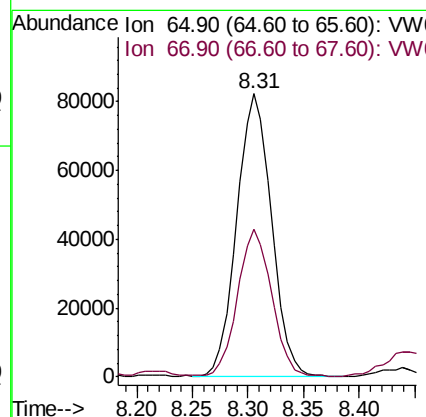
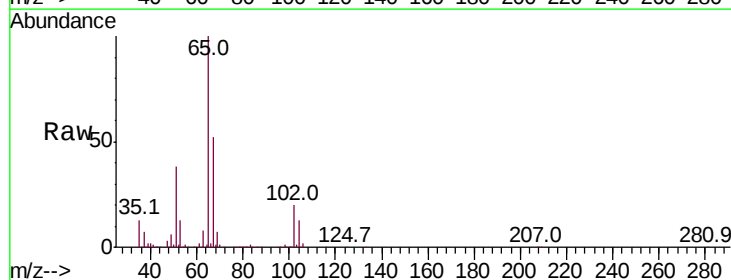
Instrument :
MSVOA_W
ClientSampled :

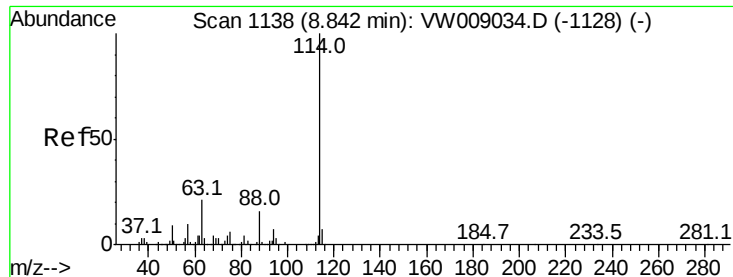
Tot Ion: 56 Resp: 574615
Ion Ratio Lower Upper
56 100
69 31.5 25.5 38.3
84 78.4 68.6 103.0



#33
1,2-Dichloroethane-d4
Concen: 54.281 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 65 Resp: 177447
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

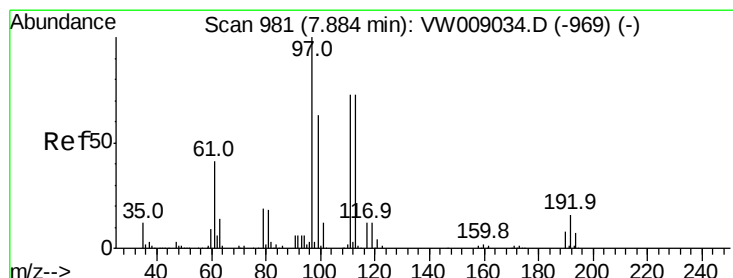
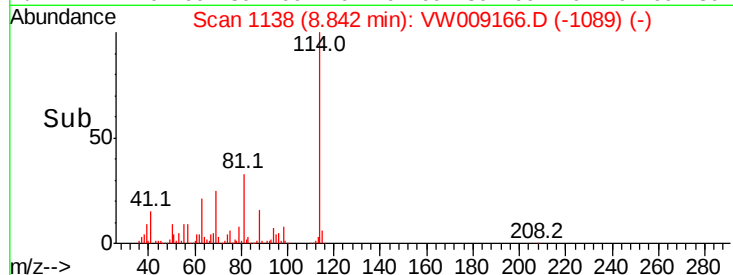
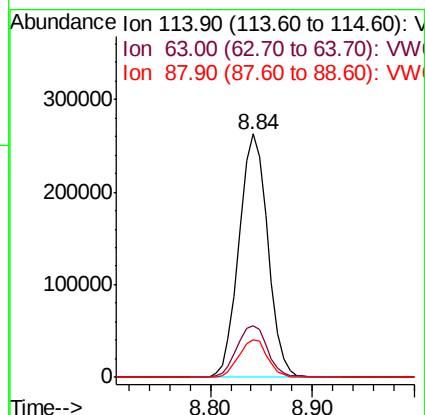
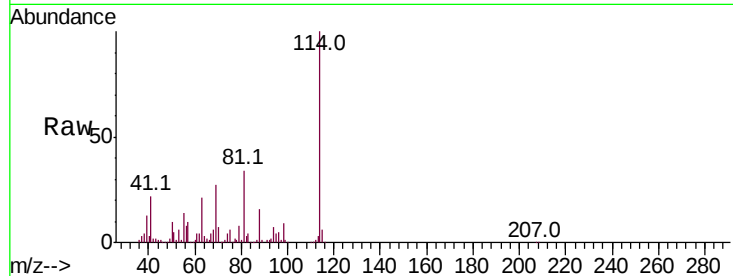




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009166.D
 Acq: 13 Mar 2019 20:03

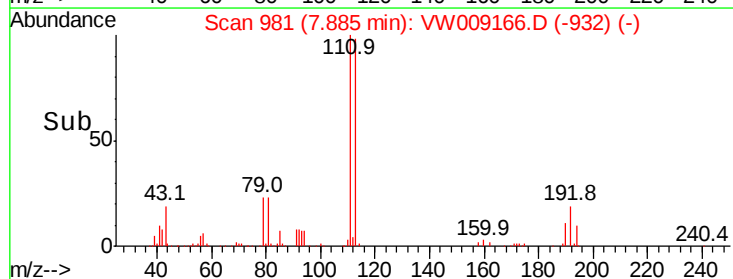
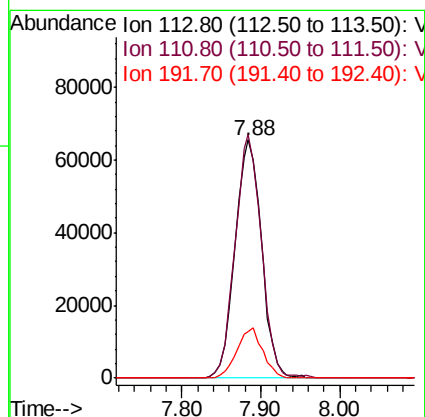
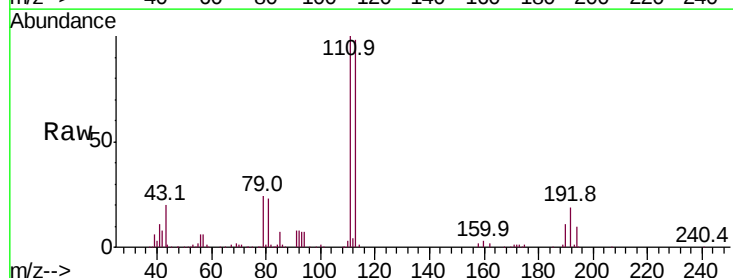
Instrument :
 MSVOA_W
 ClientSampleId :

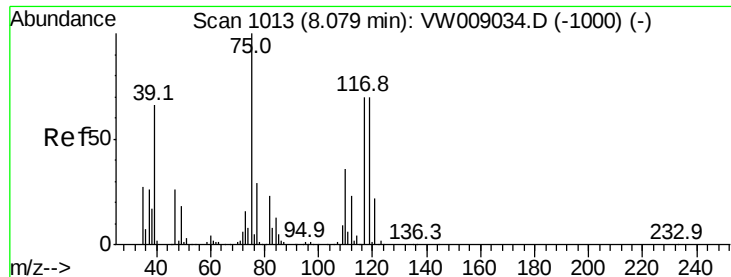
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.2
88	15.6	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.525 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009166.D
 Acq: 13 Mar 2019 20:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.4
192	20.5	17.1	25.7





#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 7.95 min Scan# 991

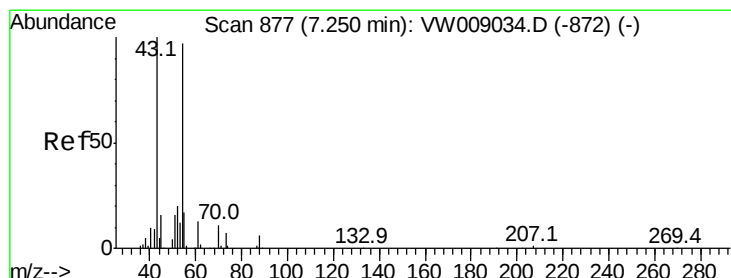
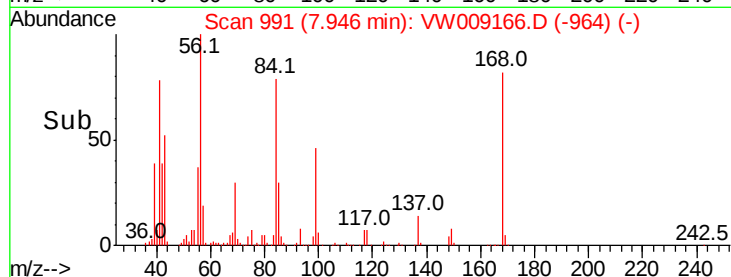
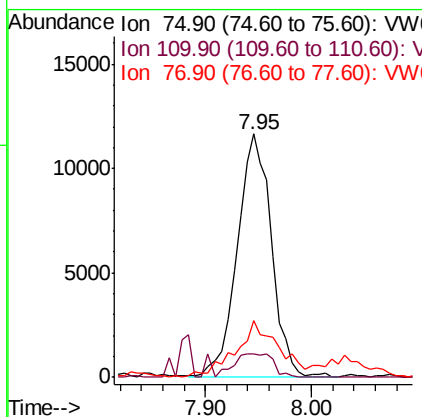
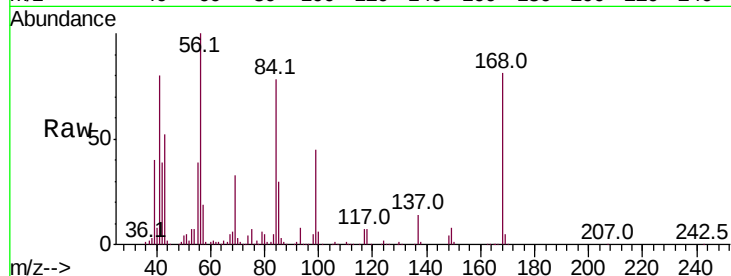
Delta R.T. -0.13 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	75	Resp	26322
Ion Ratio	100	Lower	Upper
75	10.3	17.6	52.9#
110	29.1	25.1	37.7



#37

Ethyl Acetate

Concen: 4.746 ug/l

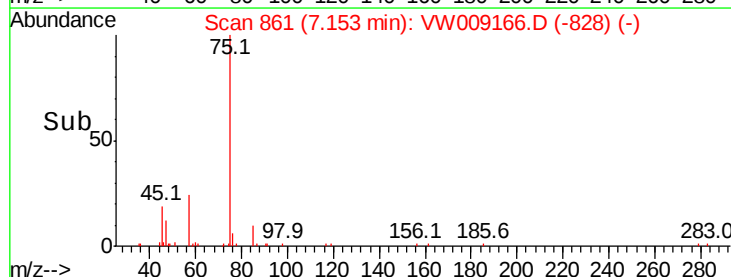
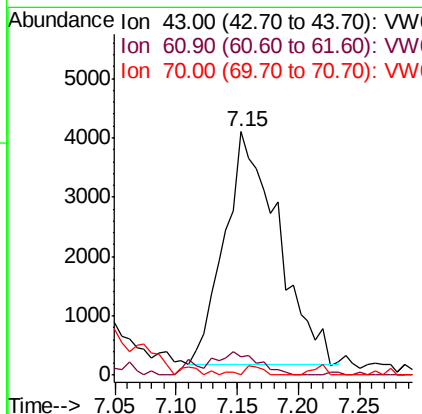
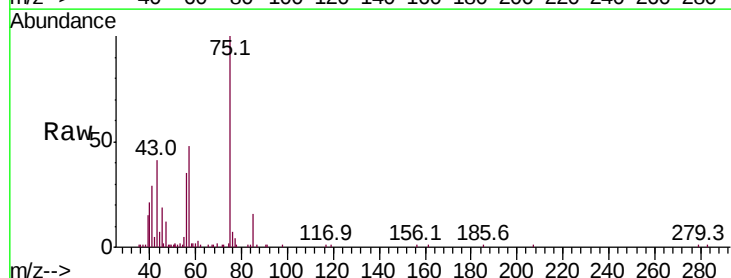
RT: 7.15 min Scan# 861

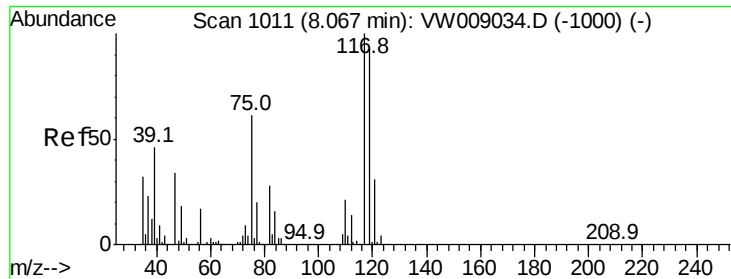
Delta R.T. -0.10 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Tgt Ion	43	Resp	11963
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	7.8	9.8	14.6#
61	1.5	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

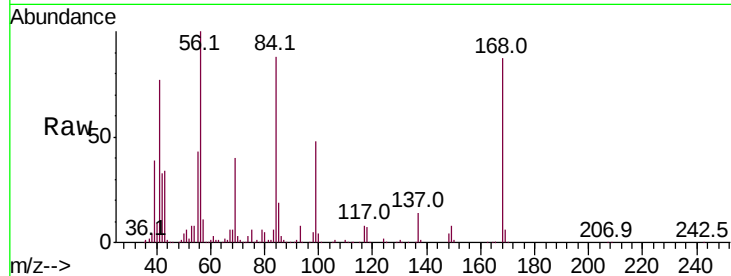
Tot Ion:117 Resp: 31725

Ion Ratio Lower Upper

117 100

119 5.7 74.6 112.0#

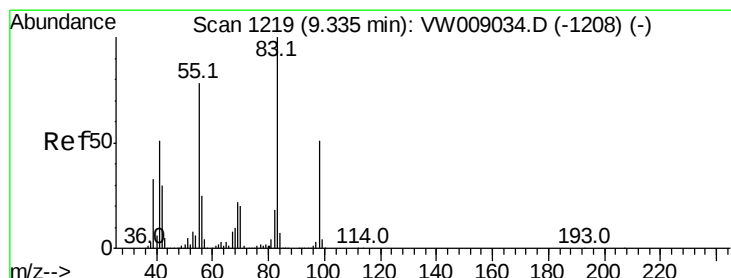
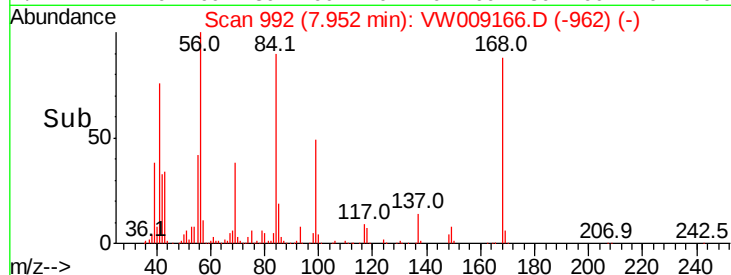
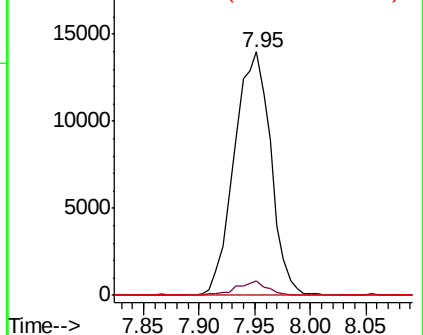
121 0.0 24.7 37.1#



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: 255.216 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

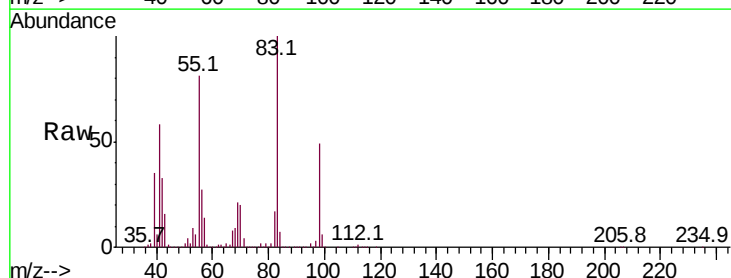
Tgt Ion: 83 Resp: 1631314

Ion Ratio Lower Upper

83 100

55 80.9 62.7 94.1

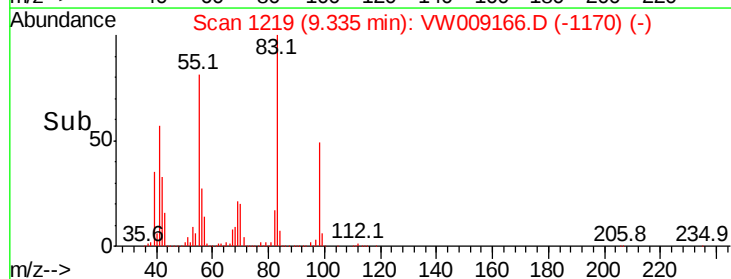
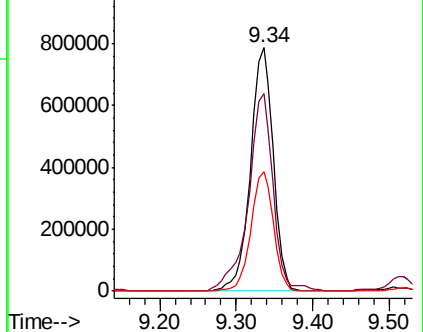
98 48.9 40.8 61.2

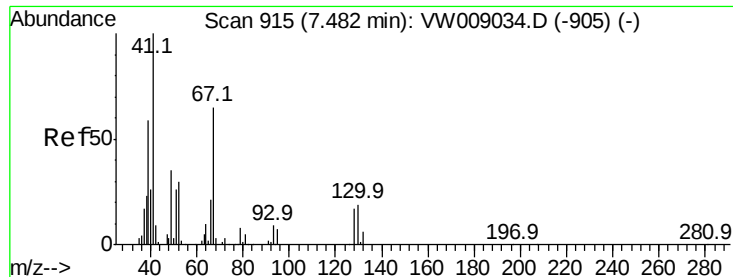


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Methacrylonitrile

Concen: 6.398 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW009166.D

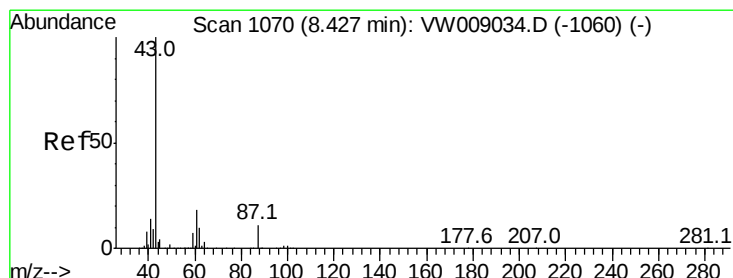
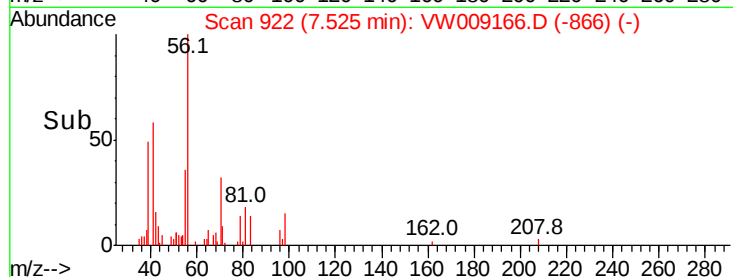
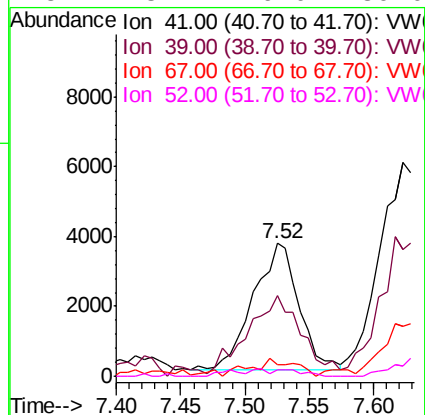
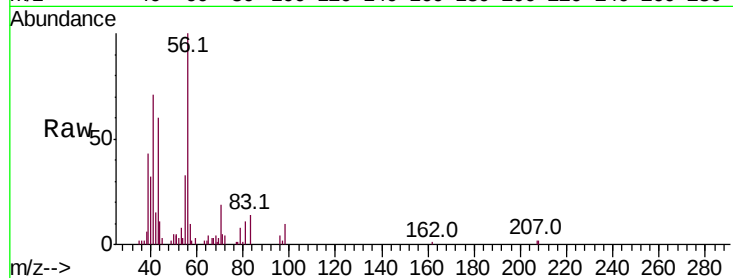
Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	41	Resp:	8956
Ion	Ratio	Lower	Upper
41	100		
39	70.4	53.6	80.4
67	0.0	57.6	86.4#
52	3.2	26.0	39.0#



#43

Isopropyl Acetate

Concen: 16.707 ug/l

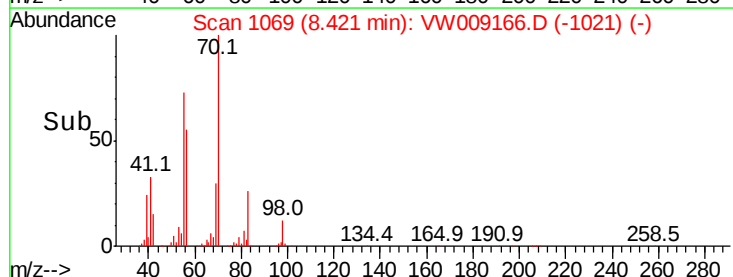
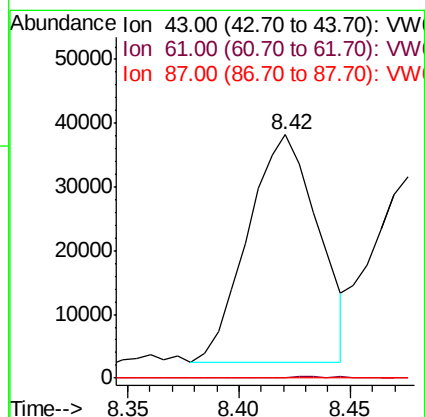
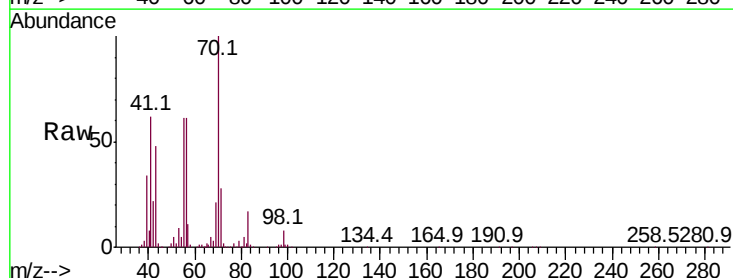
RT: 8.42 min Scan# 1069

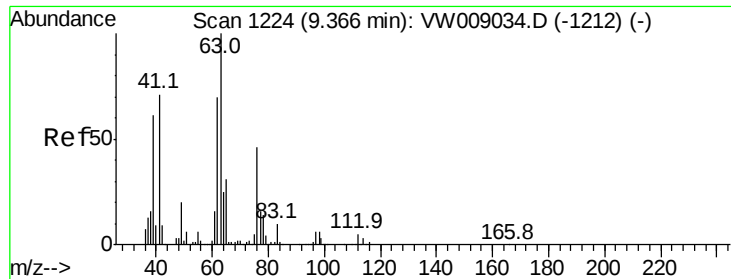
Delta R.T. -0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Tgt Ion:	43	Resp:	78433
Ion	Ratio	Lower	Upper
43	100		
61	0.7	22.8	34.2#
87	0.1	9.4	14.2#





#45

1,2-Dichloropropane

Concen: 5.837 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

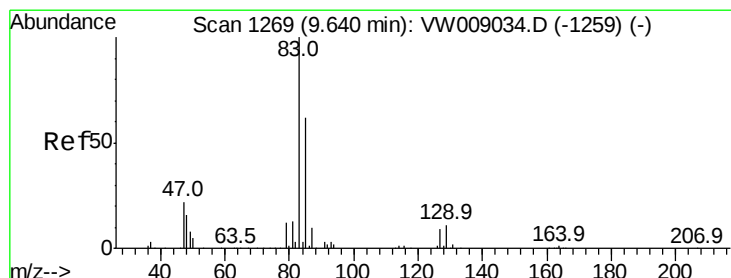
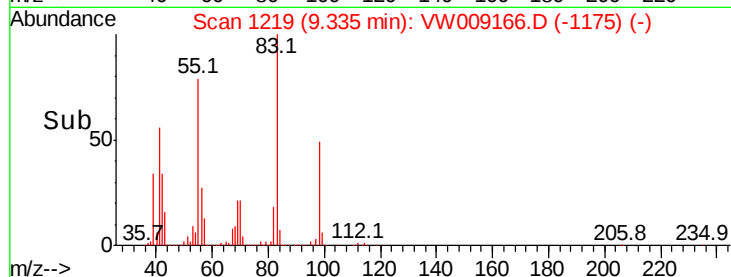
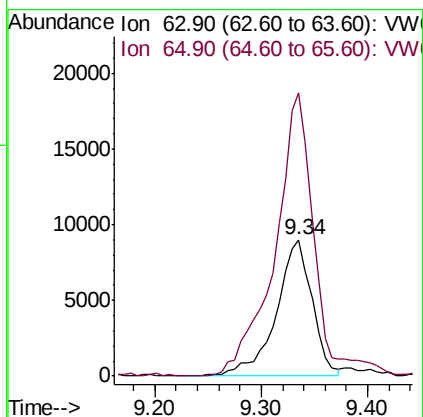
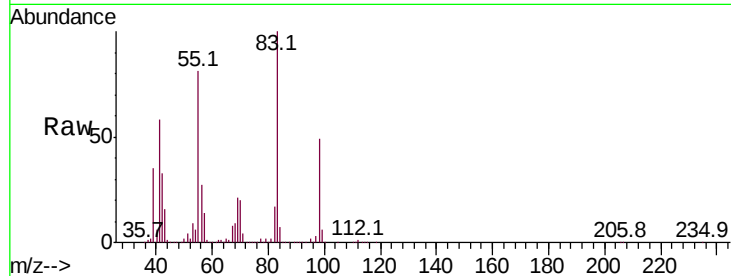
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 20943

Ion Ratio Lower Upper

63 100

65 207.3 24.9 37.3#



#47

Bromodichloromethane

Concen: 15.266 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

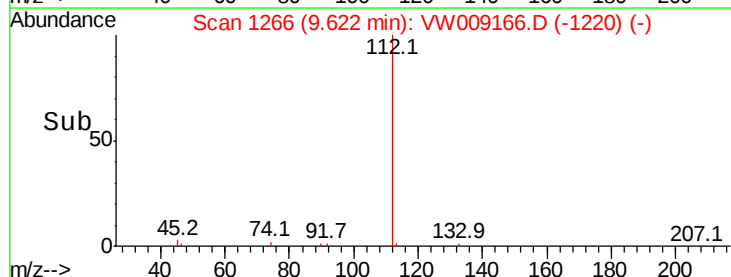
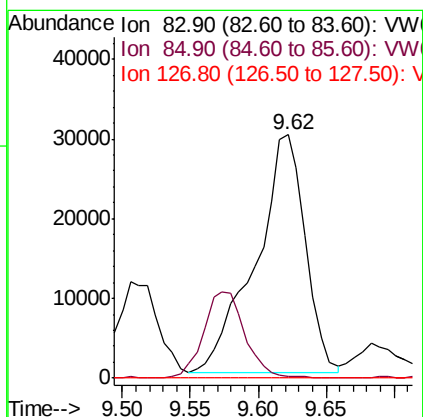
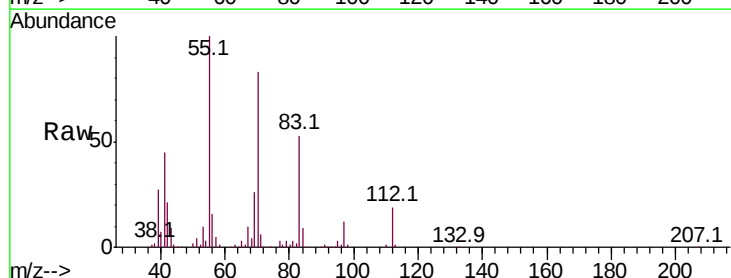
Tgt Ion: 83 Resp: 75722

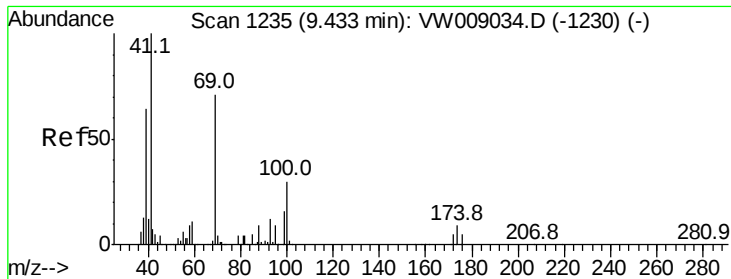
Ion Ratio Lower Upper

83 100

85 0.4 49.9 74.9#

127 0.0 7.1 10.7#

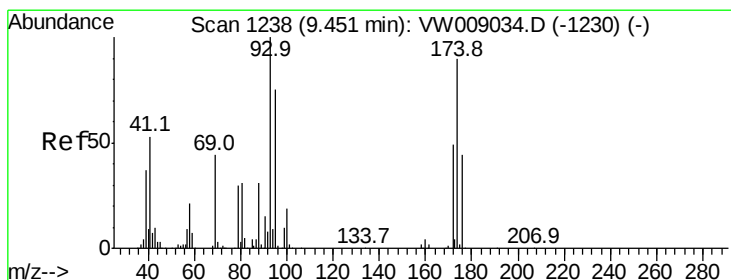
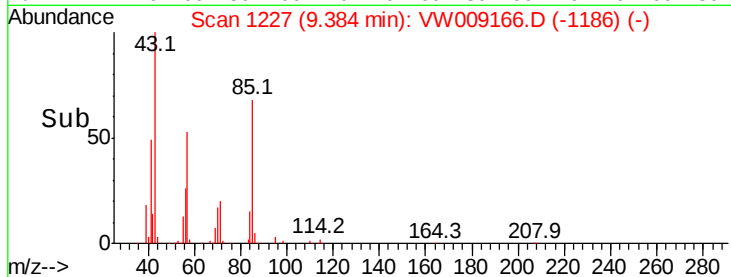
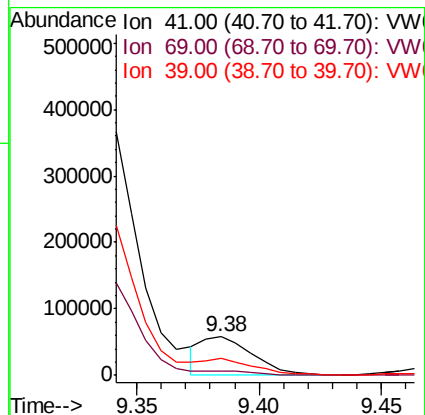
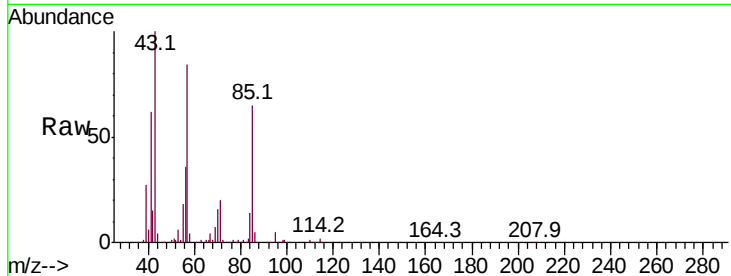




#48
Methyl methacrylate
Concen: 37.482 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.05 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

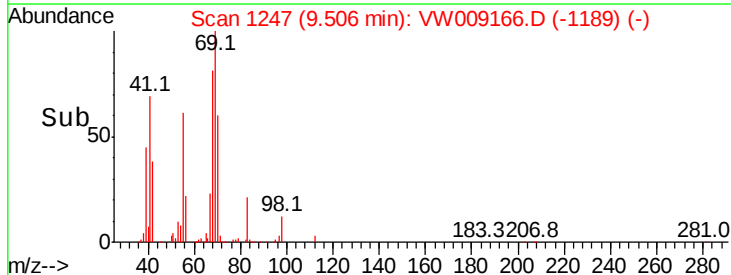
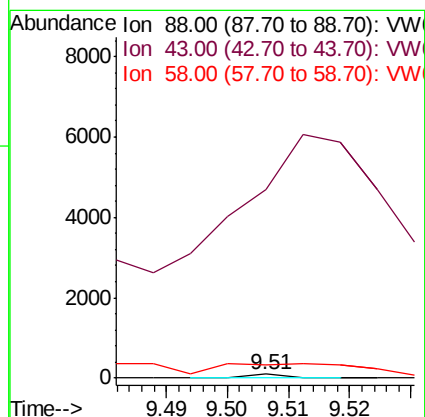
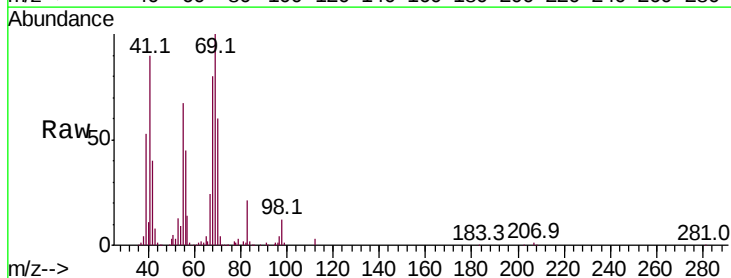
Instrument :
MSVOA_W
ClientSampled :

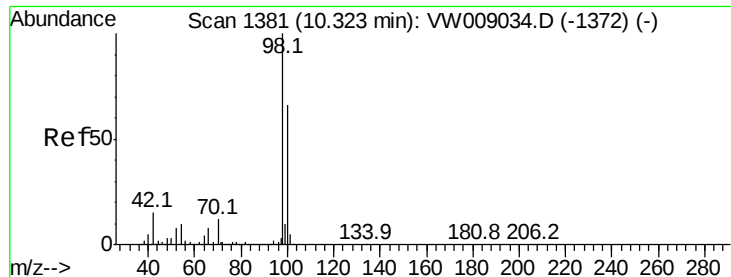
Tot Ion: 41 Resp: 81938
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 1.212 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 30444.1 29.0 43.4#
58 1947.1 59.2 88.8#





#50

Toluene-d8

Concen: 53.837 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

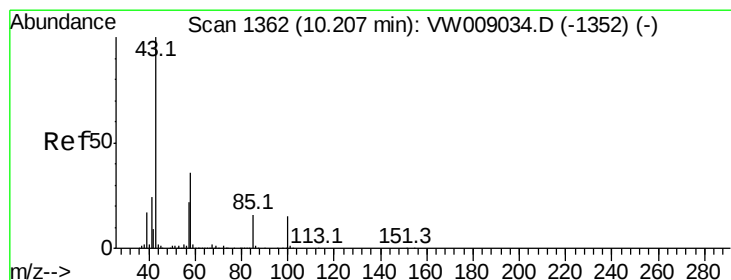
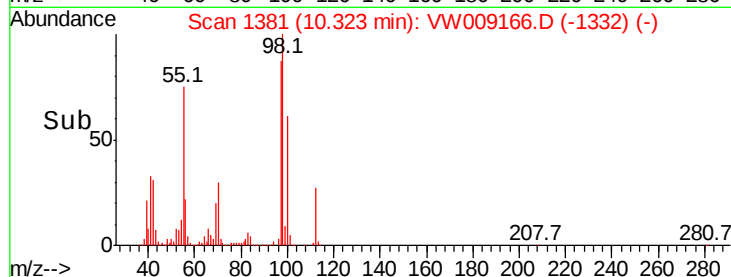
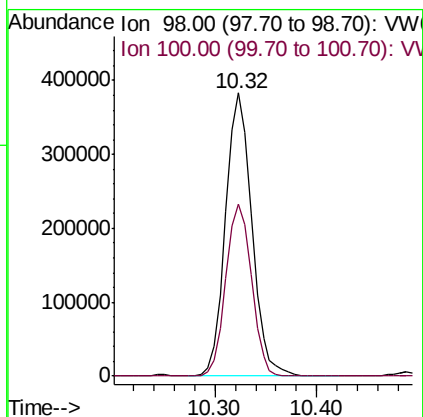
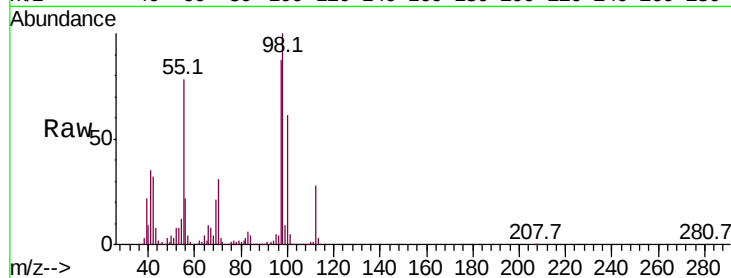
ClientSampleId :

Tot Ion: 98 Resp: 683279

Ion Ratio Lower Upper

98 100

100 59.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 18.383 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009166.D

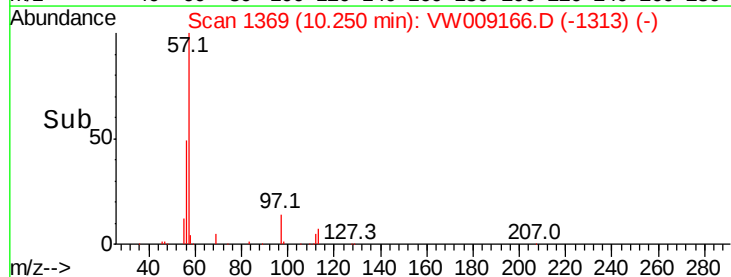
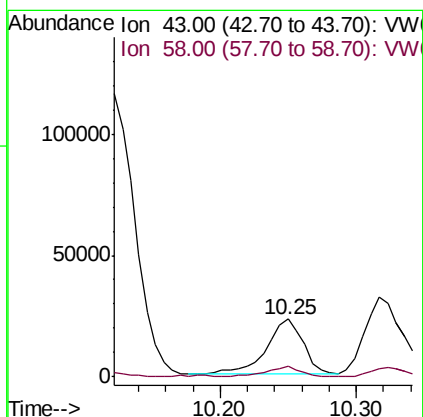
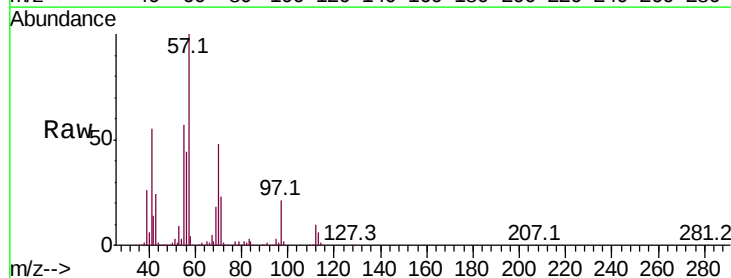
Acq: 13 Mar 2019 20:03

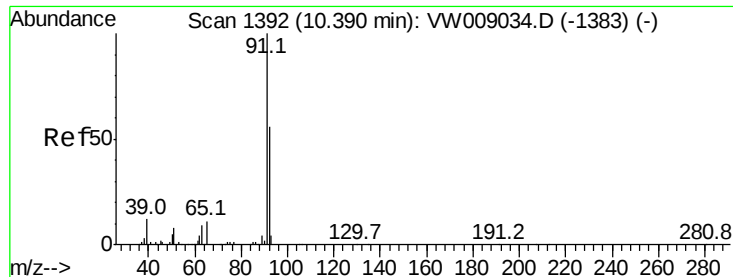
Tgt Ion: 43 Resp: 43814

Ion Ratio Lower Upper

43 100

58 16.6 28.8 43.2#





#52

Toluene

Concen: 1.011 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

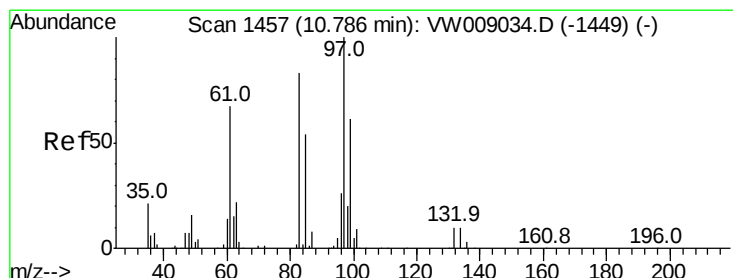
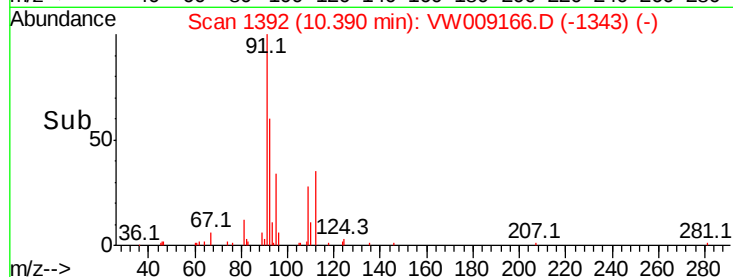
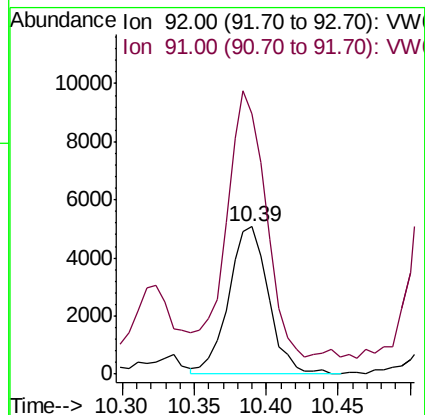
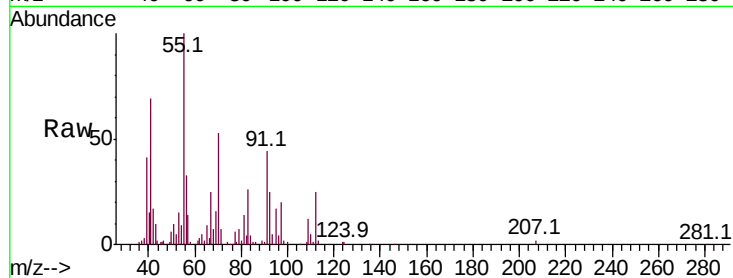
ClientSampled :

Tot Ion: 92 Resp: 9821

Ion Ratio Lower Upper

92 100

91 180.0 139.9 209.9



#55

1,1,2-Trichloroethane

Concen: 120.233 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Tgt Ion: 97 Resp: 319325

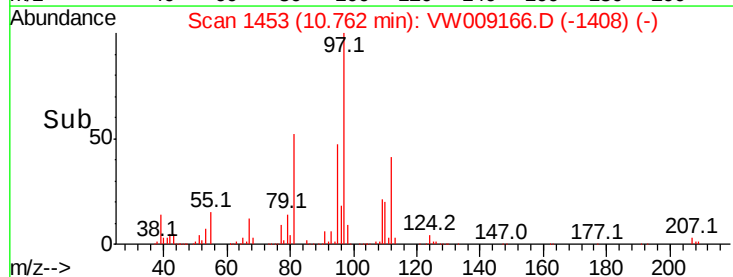
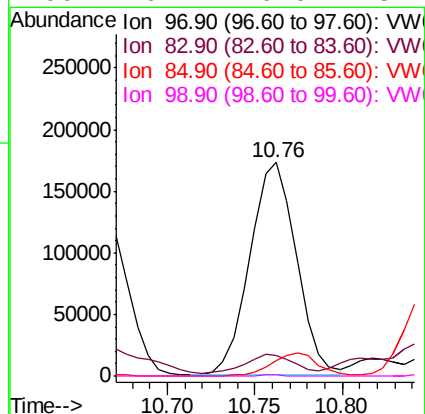
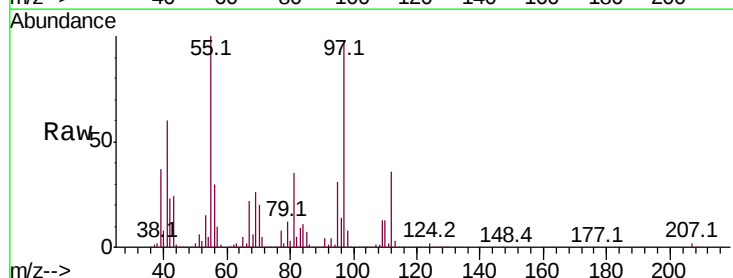
Ion Ratio Lower Upper

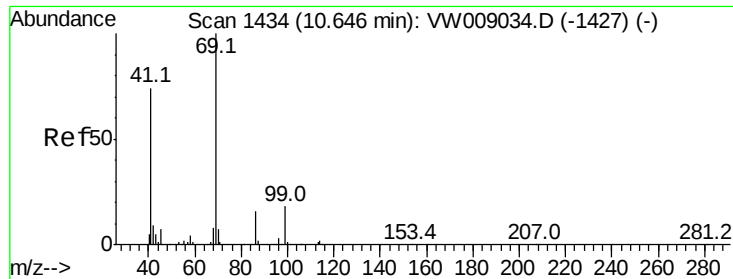
97 100

83 7.8 66.2 99.2#

85 6.9 43.6 65.4#

99 0.4 49.0 73.4#





#56

Ethyl methacrylate

Concen: 28.421 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

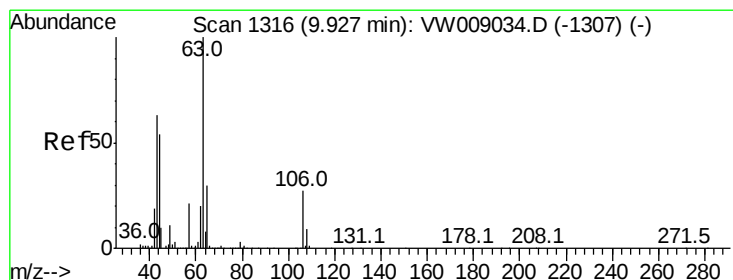
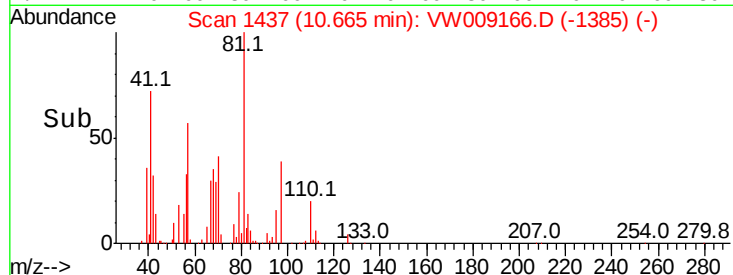
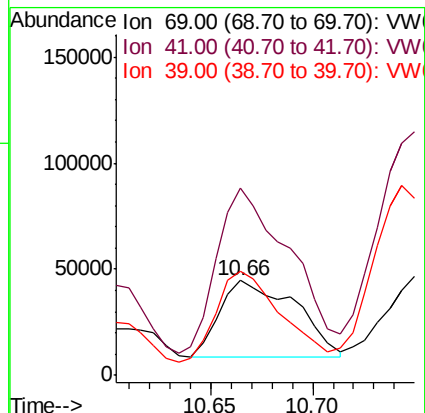
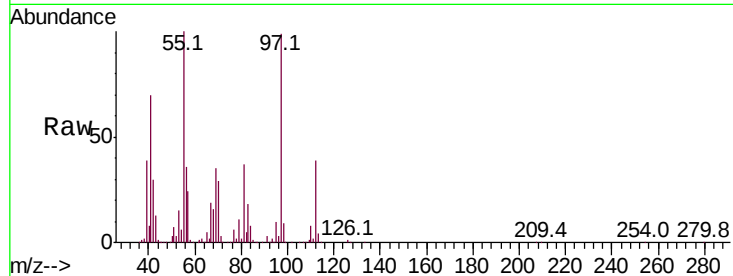
Tot Ion: 69 Resp: 93681

Ion Ratio Lower Upper

69 100

41 210.3 59.4 89.2#

39 106.2 38.5 57.7#



#58

2-Chloroethyl Vinyl ether

Concen: 1.674 ug/l

RT: 9.96 min Scan# 1321

Delta R.T. 0.03 min

Lab File: VW009166.D

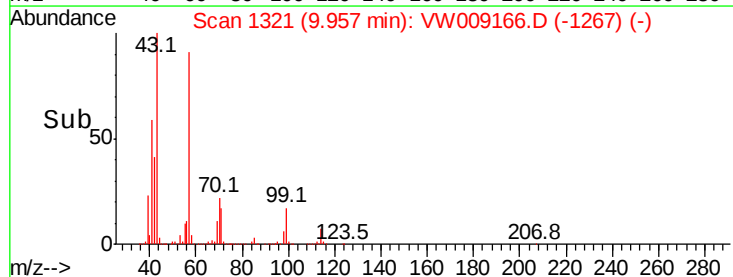
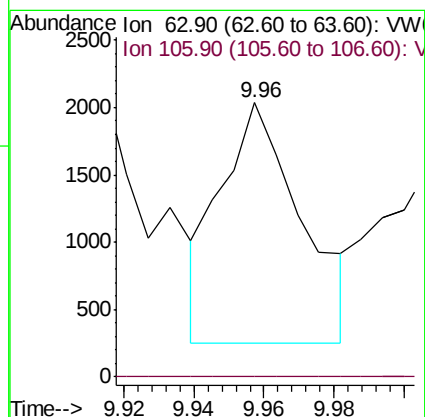
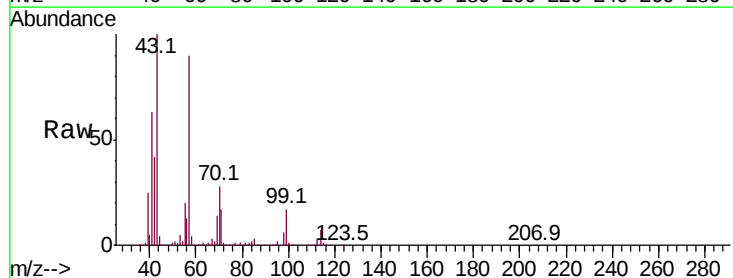
Acq: 13 Mar 2019 20:03

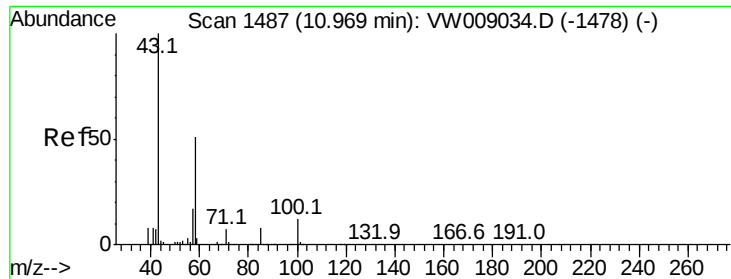
Tgt Ion: 63 Resp: 2861

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#

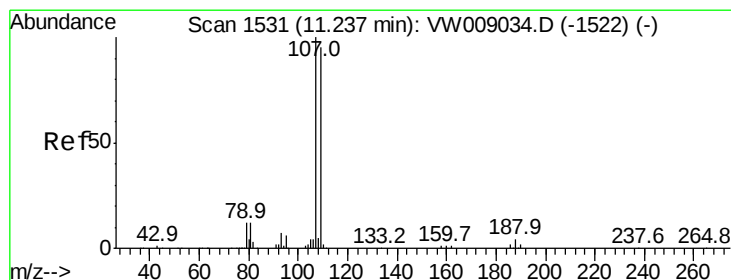
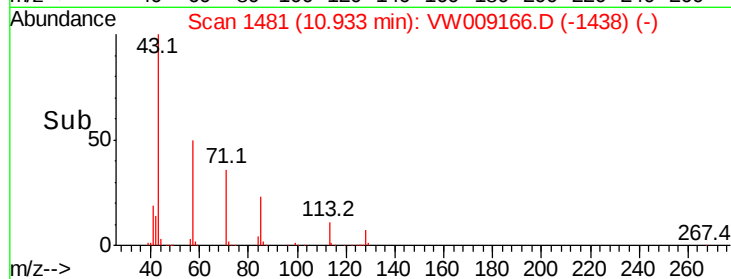
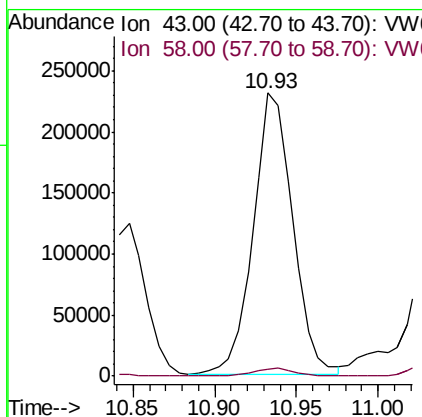
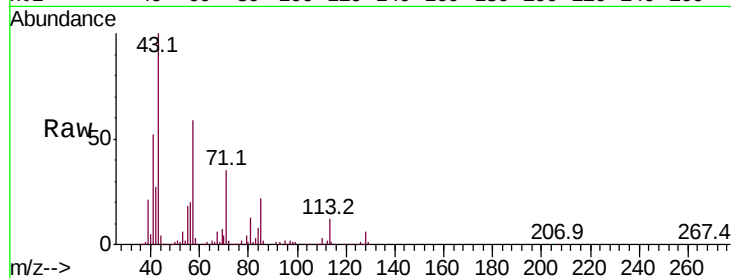




#59
2-Hexanone
Concen: 230.363 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

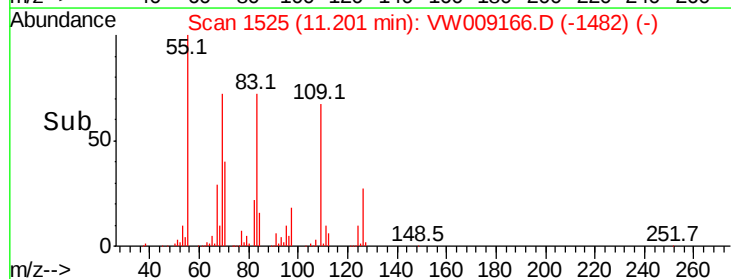
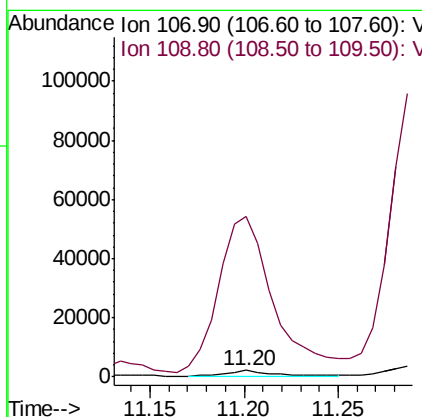
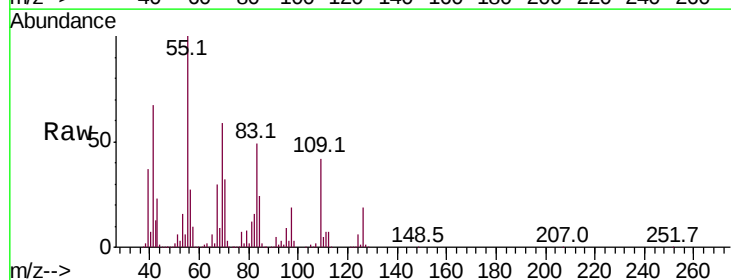
Instrument :
MSVOA_W
ClientSampleId :

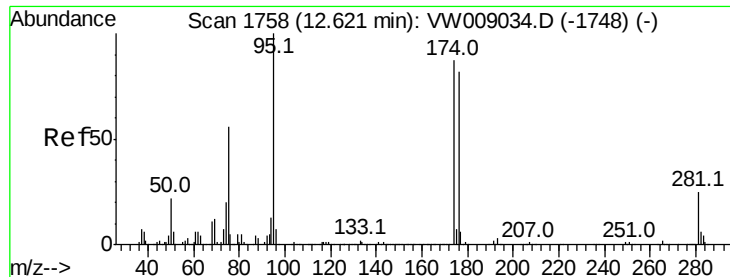
Tot Ion: 43 Resp: 386023
Ion Ratio Lower Upper
43 100
58 3.1 25.3 75.9#



#61
1,2-Dibromoethane
Concen: 1.325 ug/l
RT: 11.20 min Scan# 1525
Delta R.T. -0.04 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion:107 Resp: 3449
Ion Ratio Lower Upper
107 100
109 3111.9 74.7 112.1#

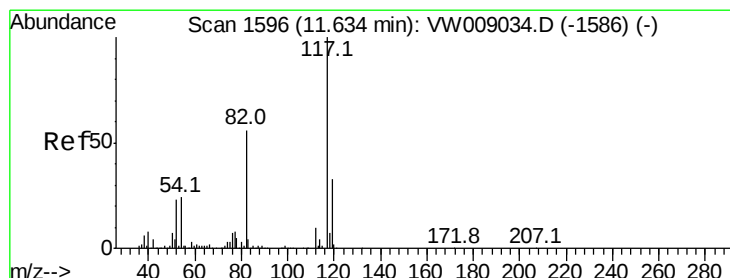
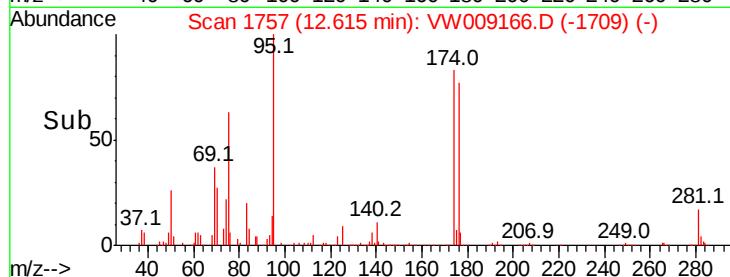
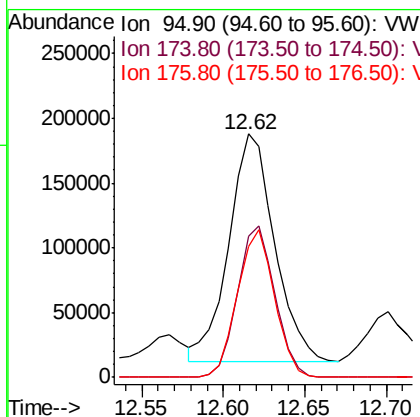
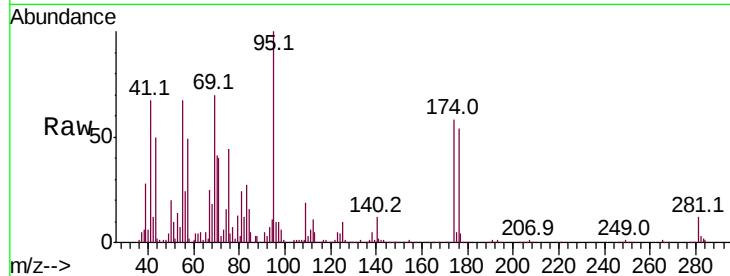




#62
4-Bromofluorobenzene
Concen: 68.410 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

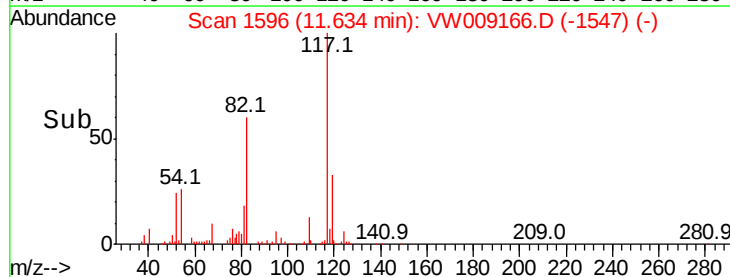
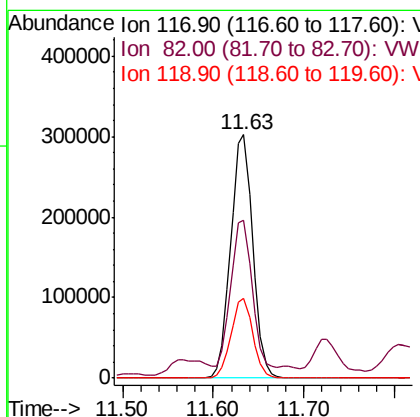
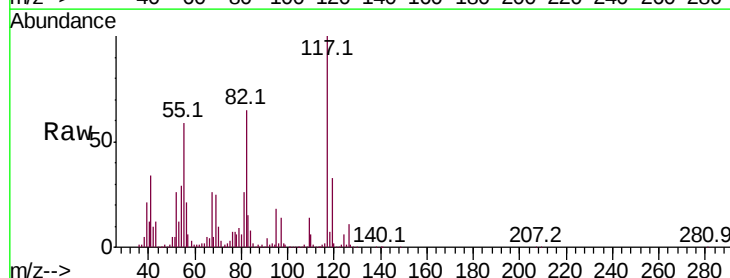
Instrument :
MSVOA_W
ClientSampled :

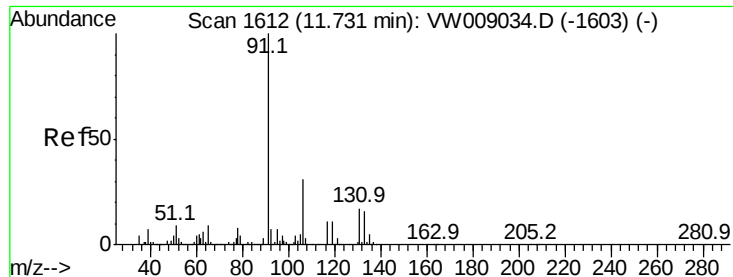
Tot Ion: 95 Resp: 341791
Ion Ratio Lower Upper
95 100
174 54.8 0.0 167.0
176 52.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 117 Resp: 509877
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.6
119 32.5 26.6 39.8

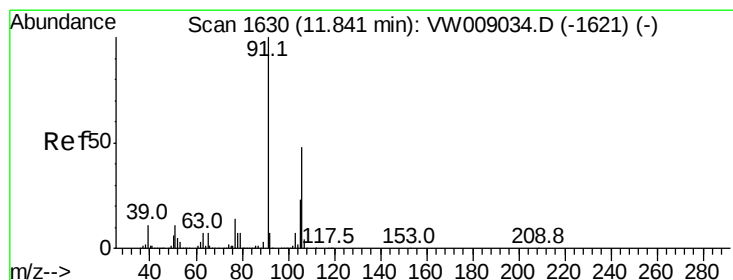
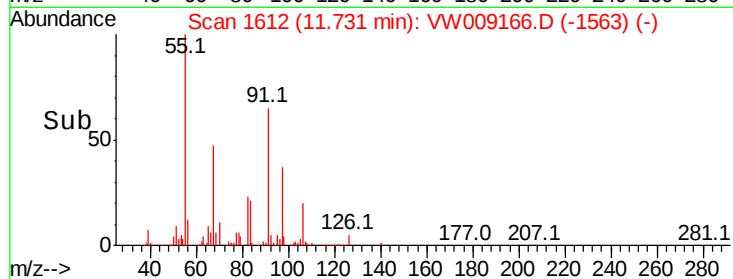
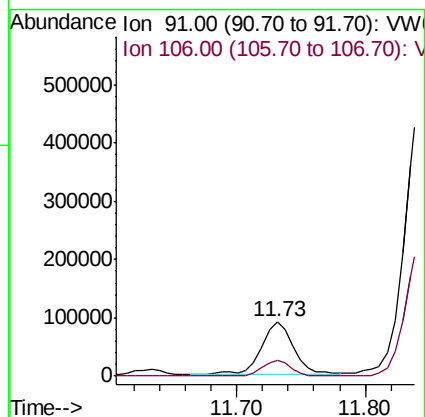
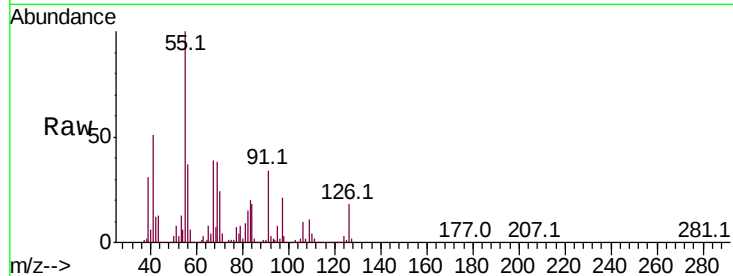




#67
Ethyl Benzene
Concen: 7.987 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

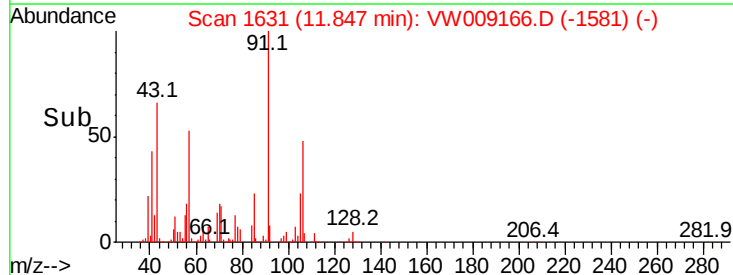
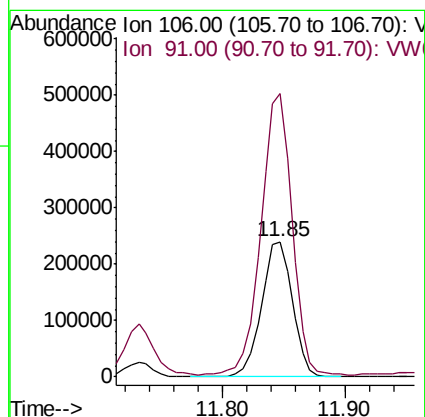
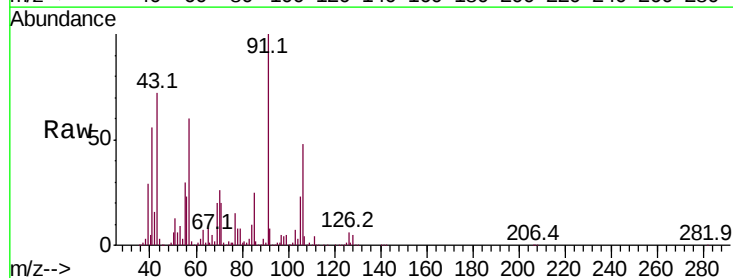
Instrument :
MSVOA_W
ClientSampleId :

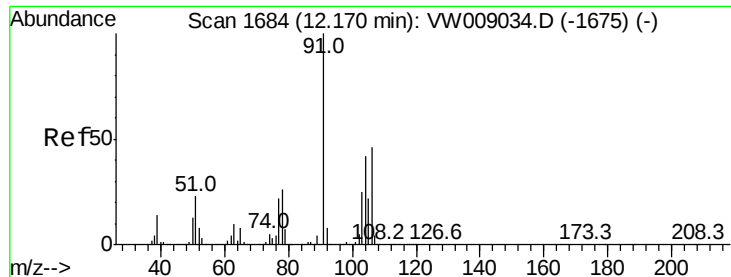
Tot Ion: 91 Resp: 160134
Ion Ratio Lower Upper
91 100
106 29.3 25.0 37.4



#68
m/p-Xylenes
Concen: 53.143 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 106 Resp: 420559
Ion Ratio Lower Upper
106 100
91 208.9 163.2 244.8

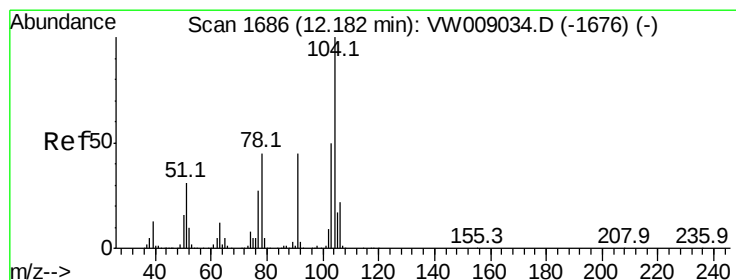
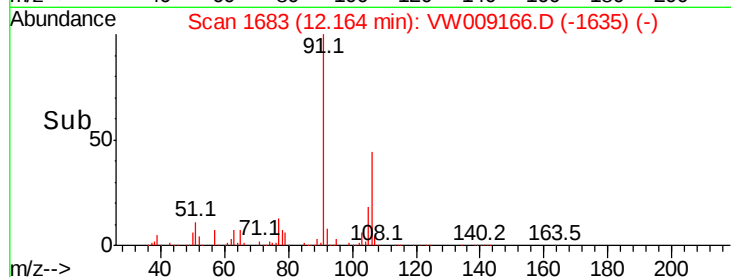
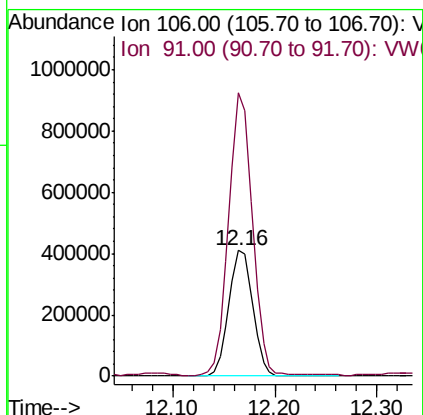
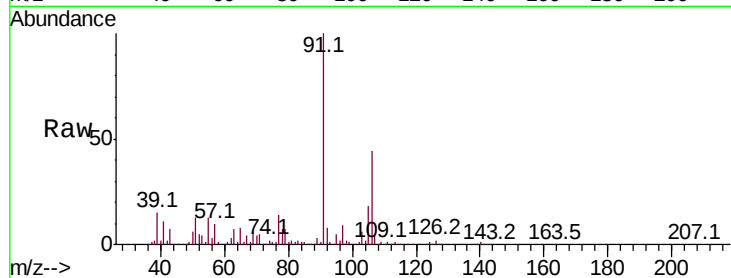




#69
o-Xylene
Concen: 90.335 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

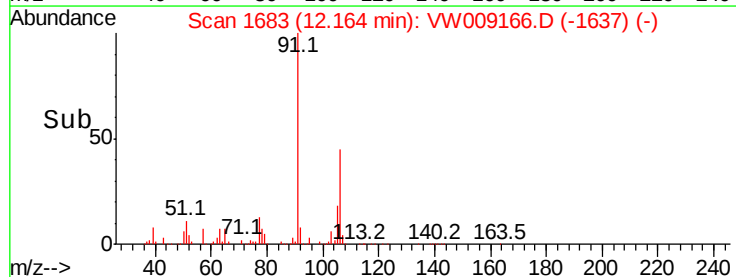
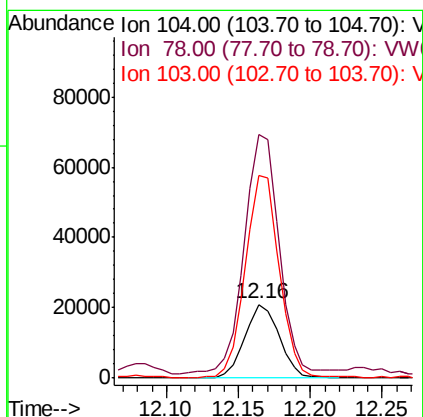
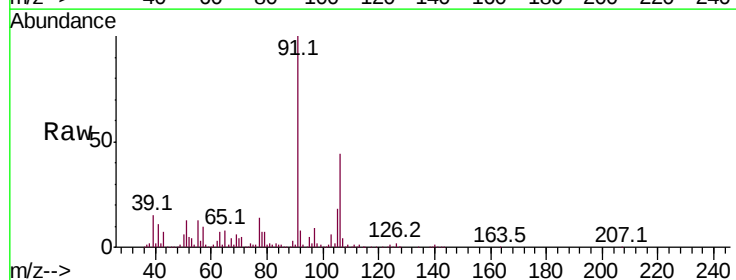
Instrument :
MSVOA_W
ClientSampled :

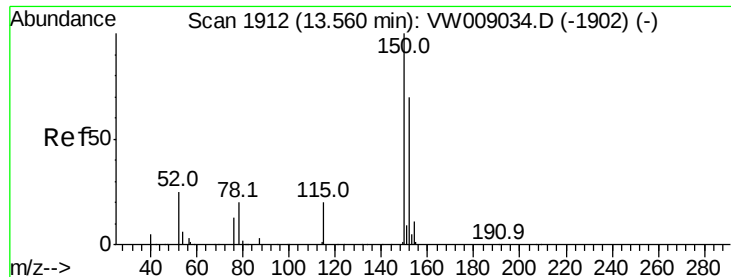
Tot Ion:106 Resp: 665164
Ion Ratio Lower Upper
106 100
91 221.1 108.6 325.6



#70
Styrene
Concen: 2.919 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion:104 Resp: 34775
Ion Ratio Lower Upper
104 100
78 329.6 42.1 63.1#
103 268.2 43.9 65.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

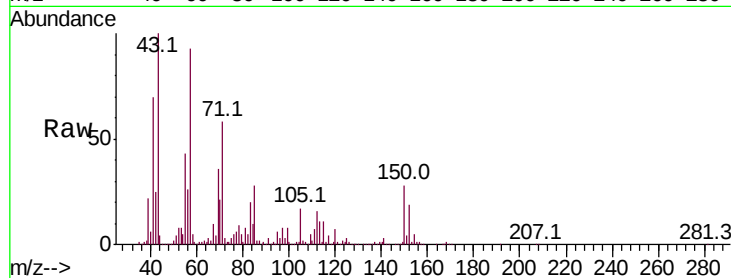
Tot Ion:152 Resp: 219213

Ion Ratio Lower Upper

152 100

115 0.0 28.9 86.7#

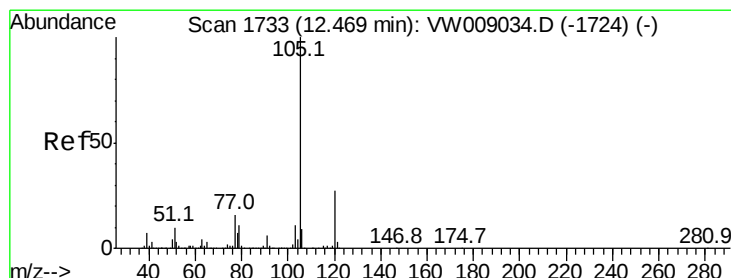
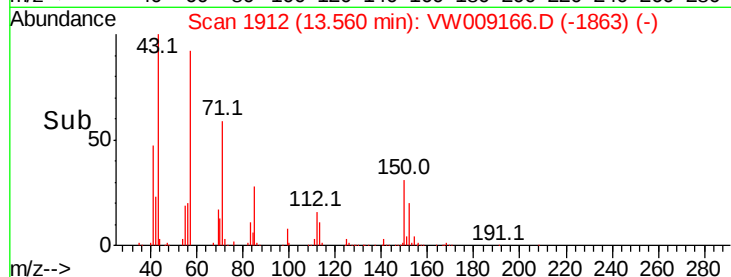
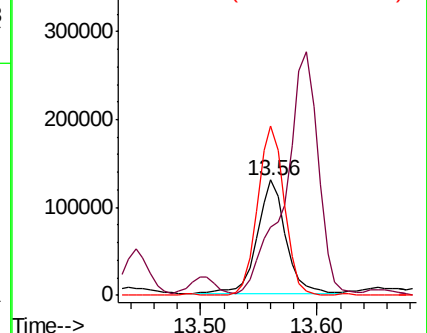
150 140.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 17.585 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009166.D

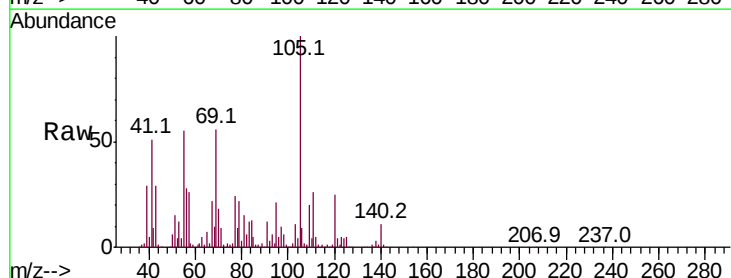
Acq: 13 Mar 2019 20:03

Tgt Ion:105 Resp: 276056

Ion Ratio Lower Upper

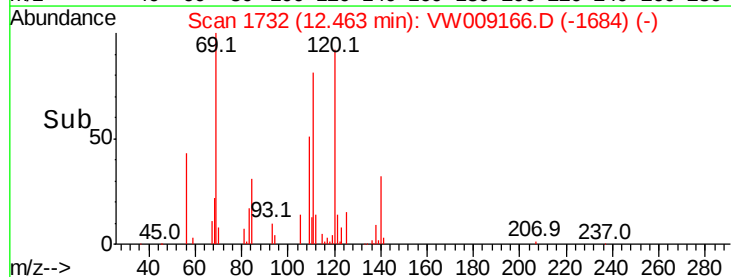
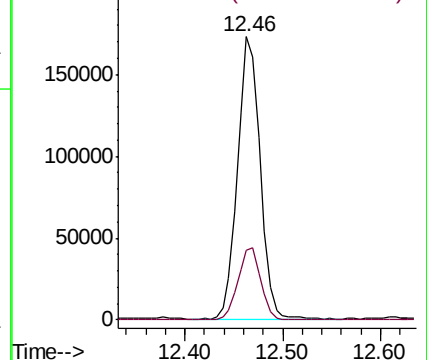
105 100

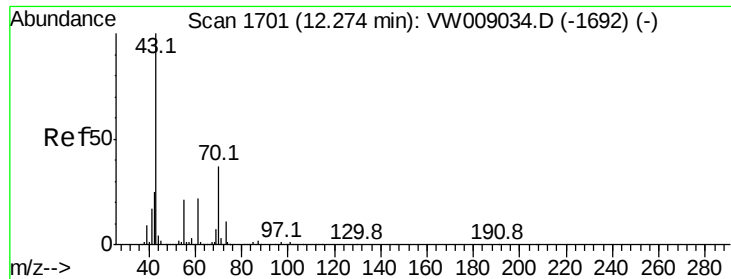
120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 115.716 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 430028

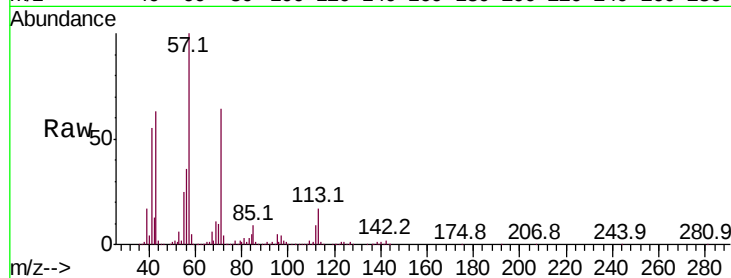
Ion Ratio Lower Upper

43 100

70 18.0 30.8 46.2#

55 19.1 17.8 26.8

61 0.0 17.4 26.2#

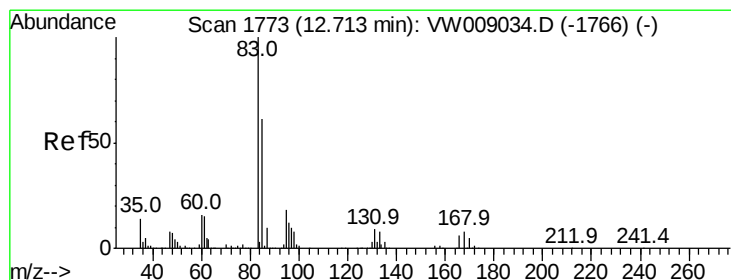
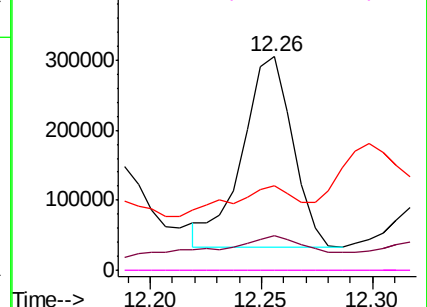
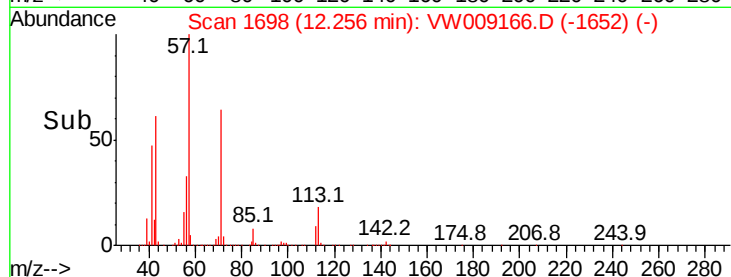


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 10.751 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

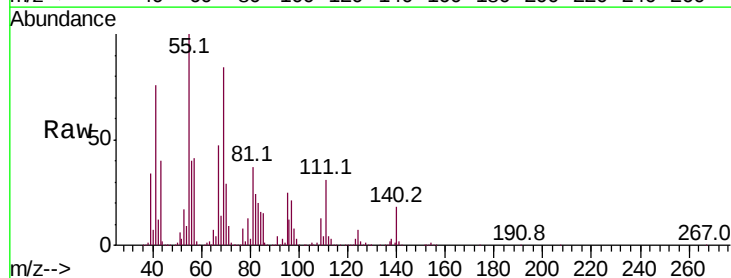
Tgt Ion: 83 Resp: 26621

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

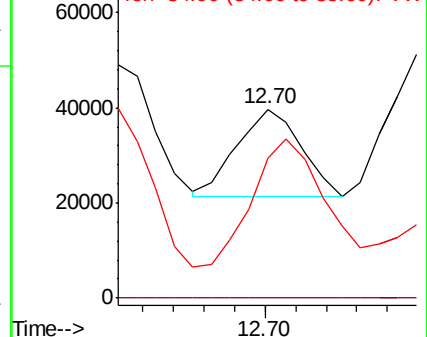
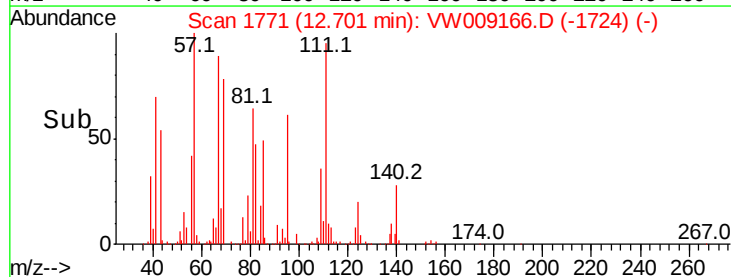
85 170.8 31.7 95.1#

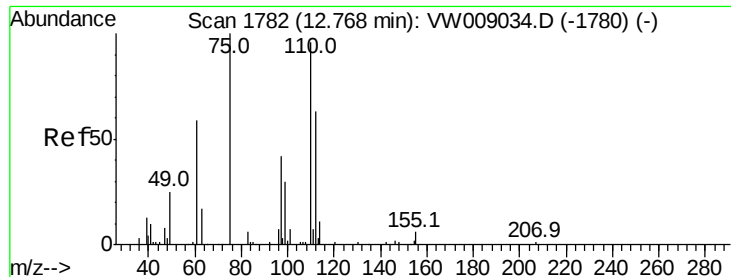


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 2.886 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

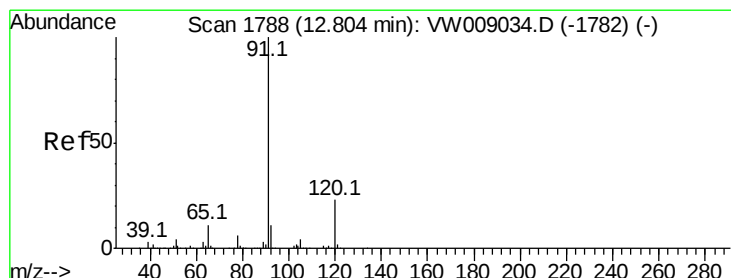
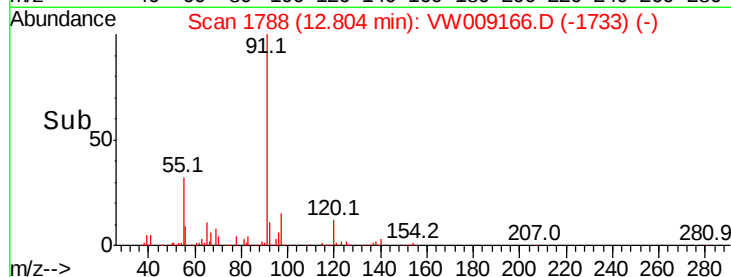
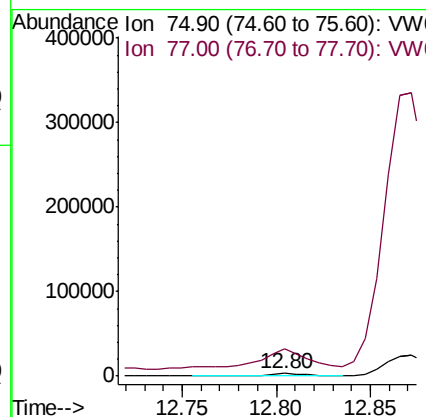
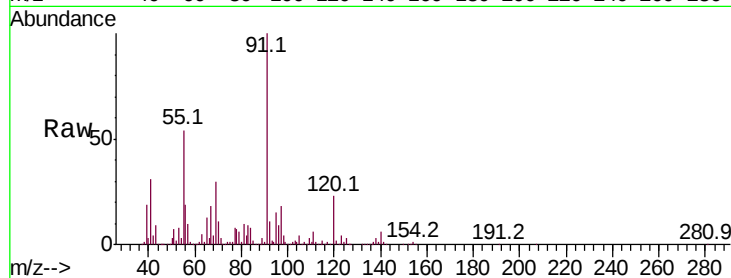
ClientSampleId :

Tot Ion: 75 Resp: 4999

Ion Ratio Lower Upper

75 100

77 904.9 186.7 560.0#



#78

n-propylbenzene

Concen: 30.707 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009166.D

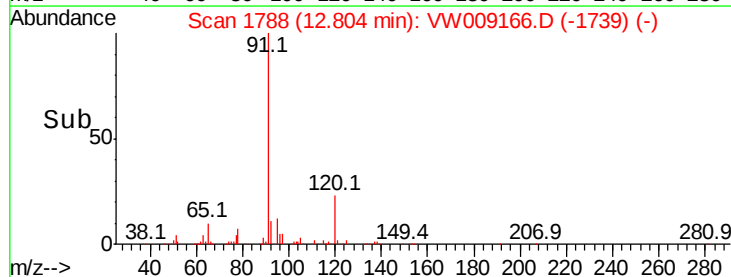
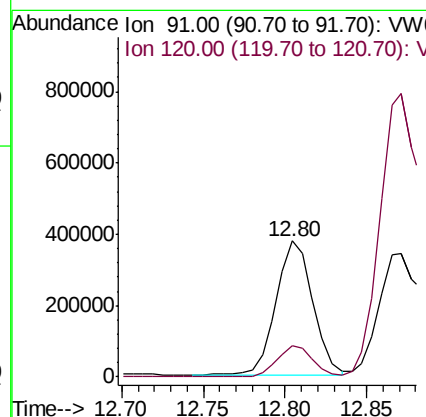
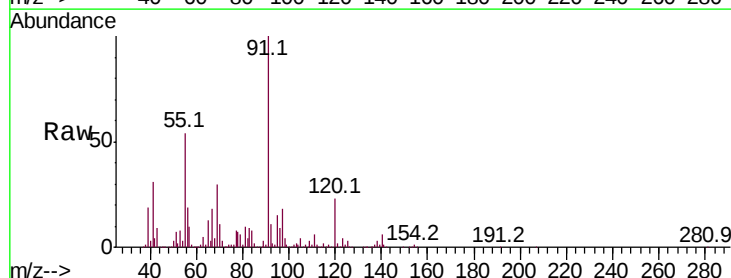
Acq: 13 Mar 2019 20:03

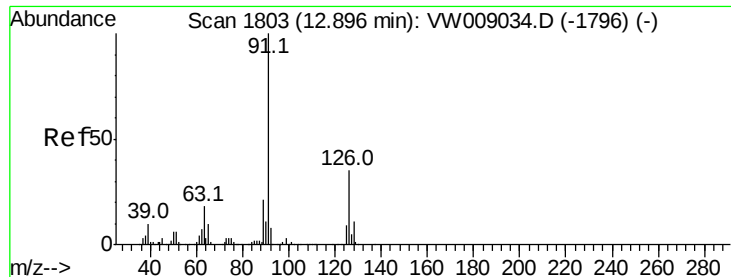
Tgt Ion: 91 Resp: 593758

Ion Ratio Lower Upper

91 100

120 0.0 11.4 34.2#





#79

2-Chlorotoluene

Concen: 98.428 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

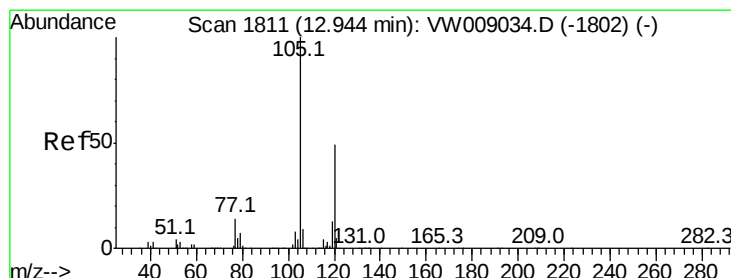
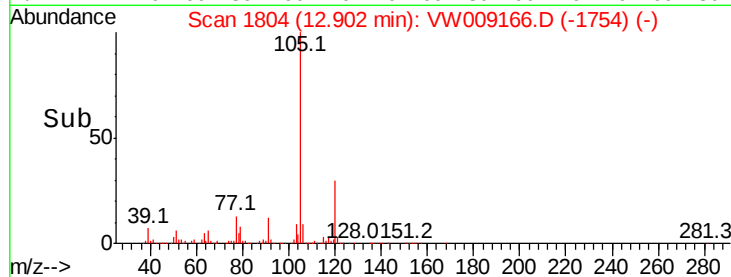
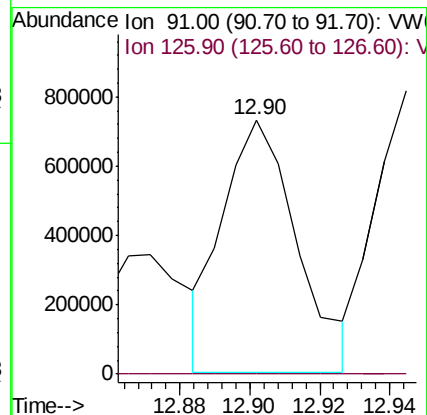
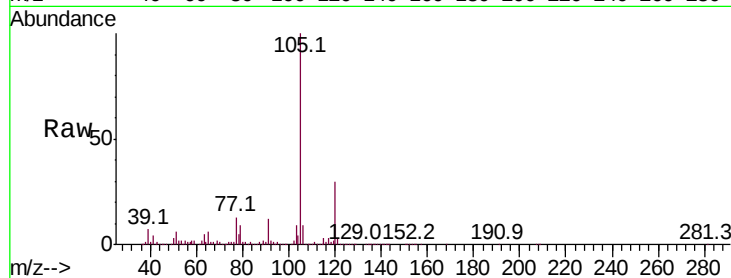
ClientSampleId :

Tot Ion: 91 Resp: 1069309

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



#80

1,3,5-Trimethylbenzene

Concen: 731.220 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009166.D

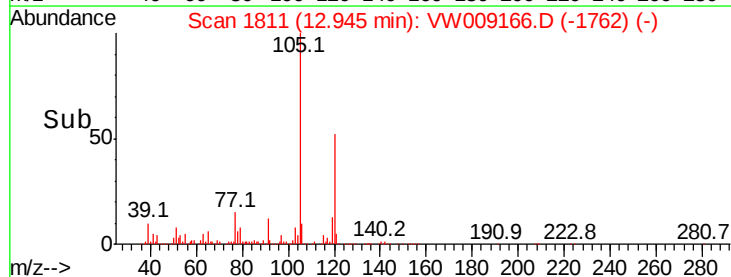
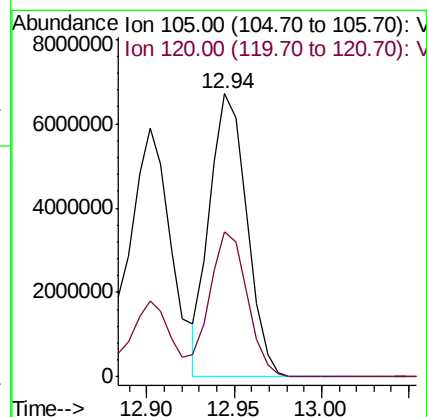
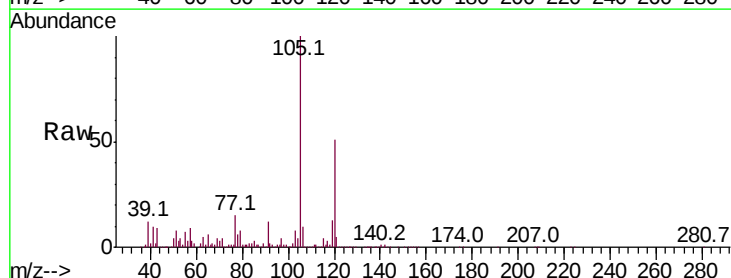
Acq: 13 Mar 2019 20:03

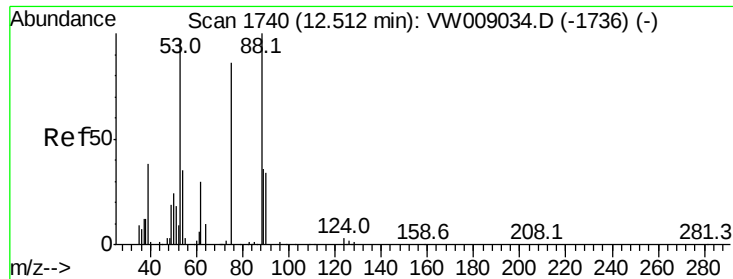
Tgt Ion: 105 Resp: 9894537

Ion Ratio Lower Upper

105 100

120 52.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.888 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

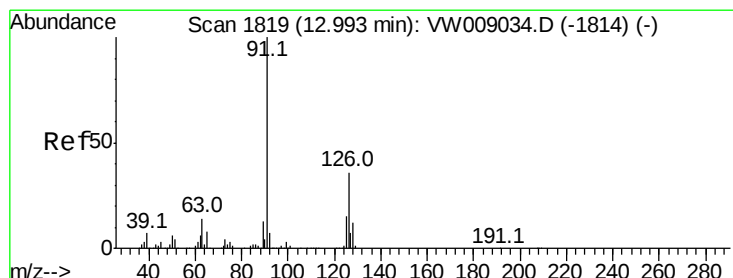
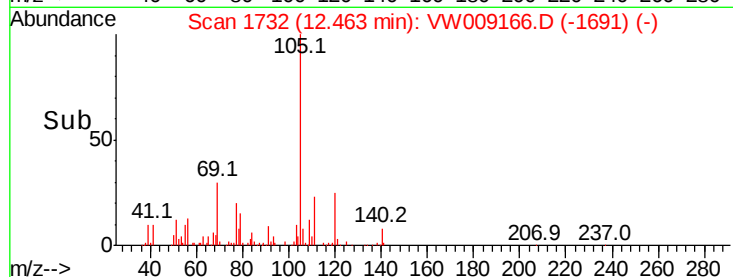
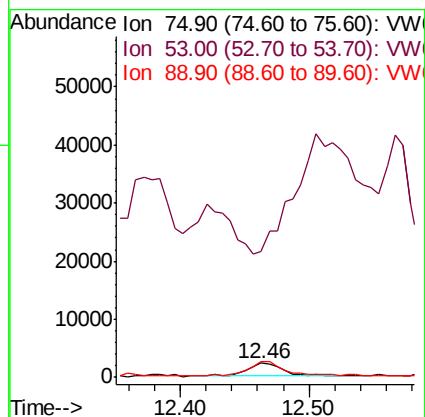
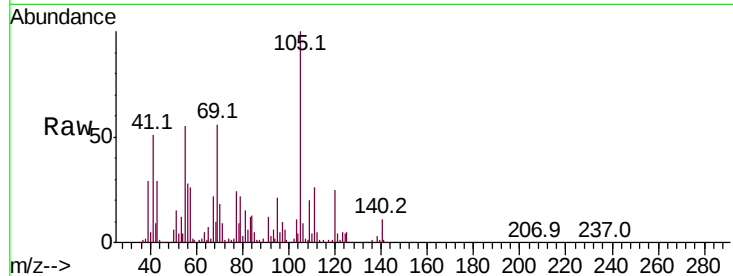
Tot Ion: 75 Resp: 4559

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 116.7 37.5 56.3#



#82

4-Chlorotoluene

Concen: 99.638 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW009166.D

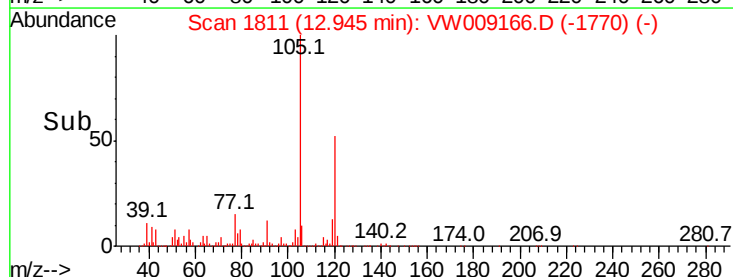
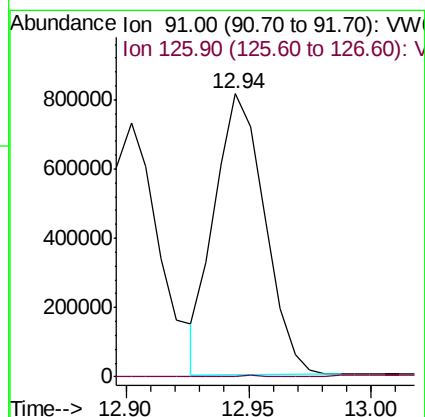
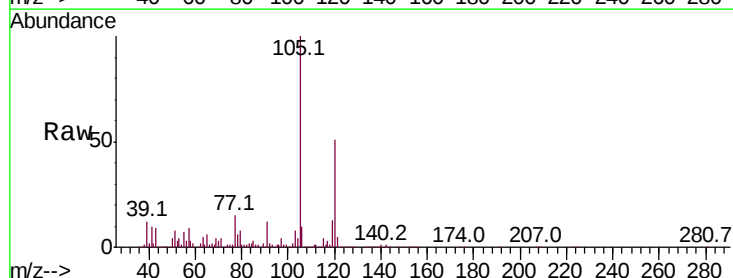
Acq: 13 Mar 2019 20:03

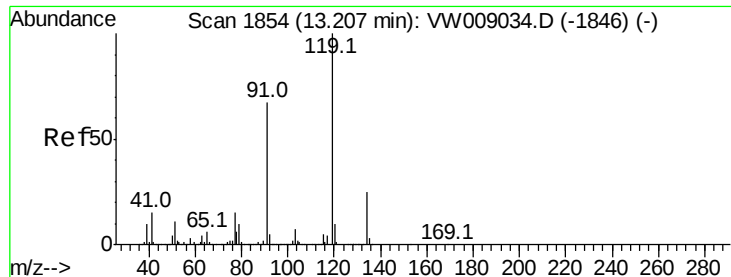
Tgt Ion: 91 Resp: 1153864

Ion Ratio Lower Upper

91 100

126 0.5 16.6 49.8#

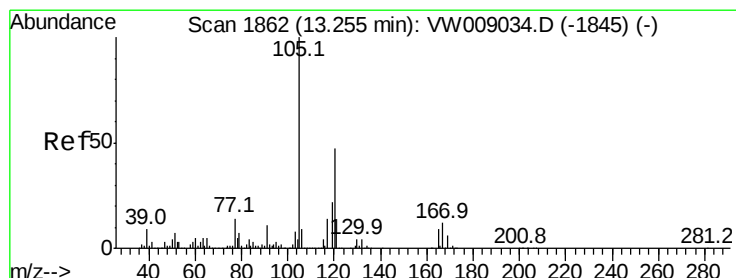
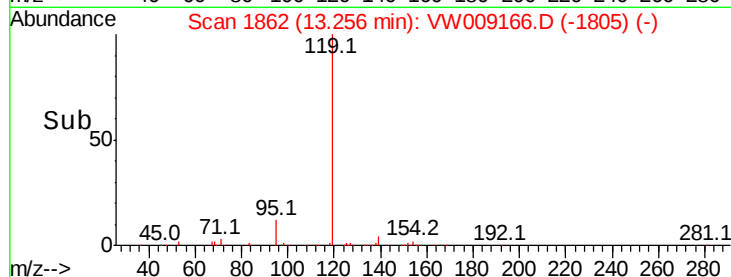
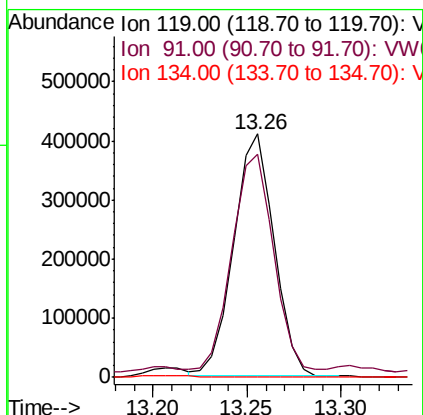
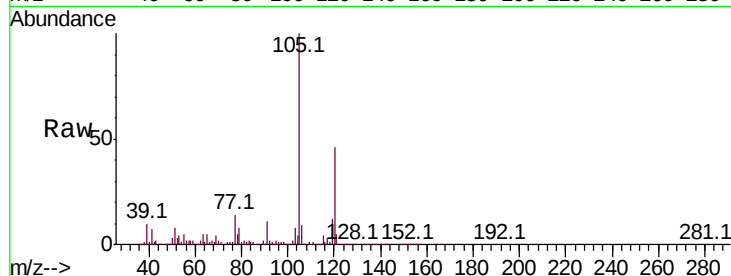




#83
tert-Butylbenzene
Concen: 53.502 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.05 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

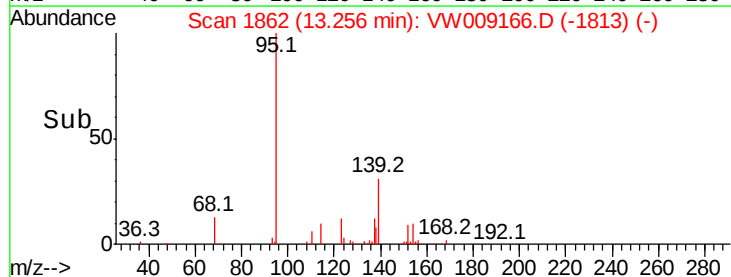
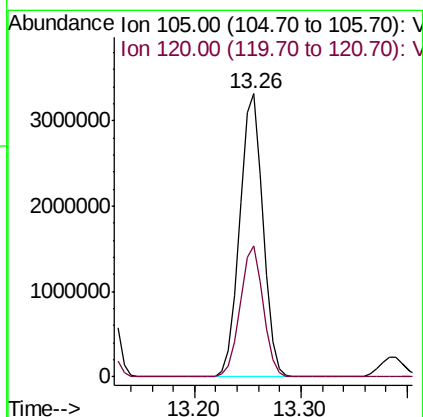
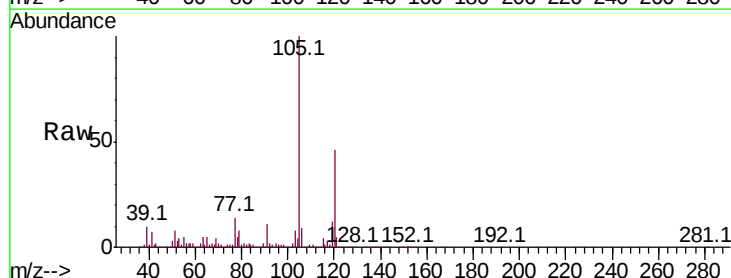
Instrument :
MSVOA_W
ClientSampled :

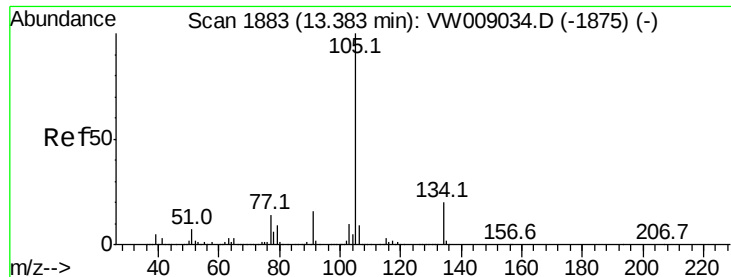
Tot Ion:119 Resp: 610582
Ion Ratio Lower Upper
119 100
91 89.7 34.2 102.5
134 0.0 13.9 41.6#



#84
1,2,4-Trimethylbenzene
Concen: 370.888 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion:105 Resp: 5076805
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.003 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

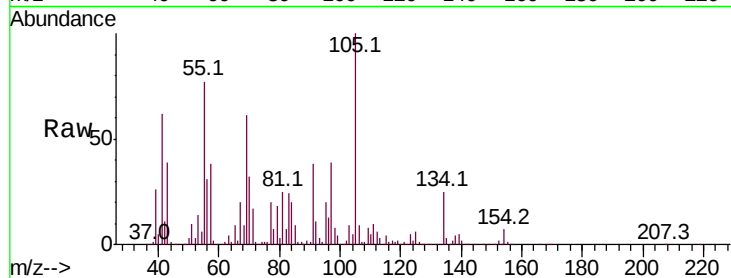
ClientSampleId :

Tot Ion:105 Resp: 372040

Ion Ratio Lower Upper

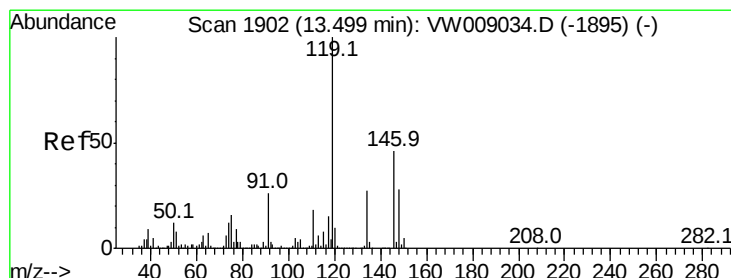
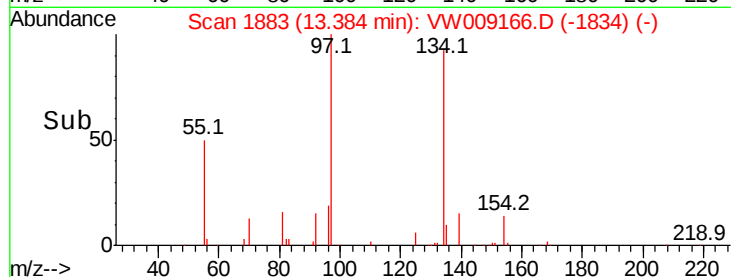
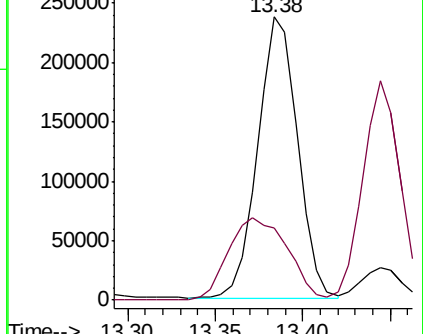
105 100

134 43.9 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 28.231 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

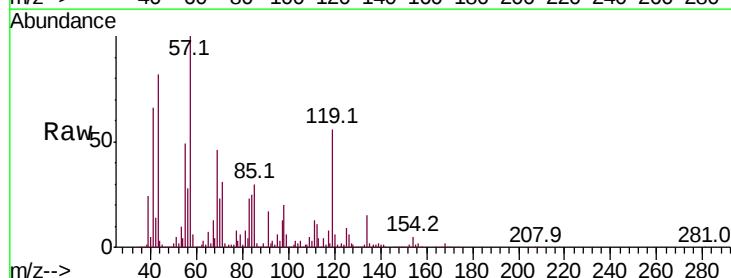
Tgt Ion:119 Resp: 427028

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

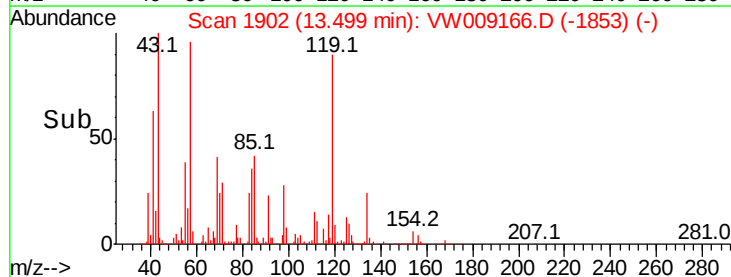
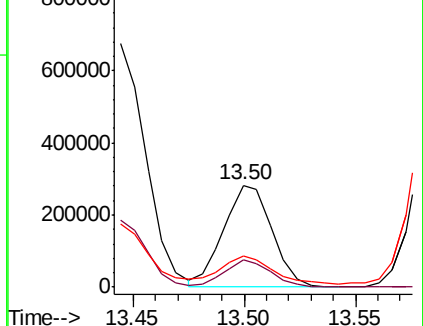
91 27.9 12.3 36.9

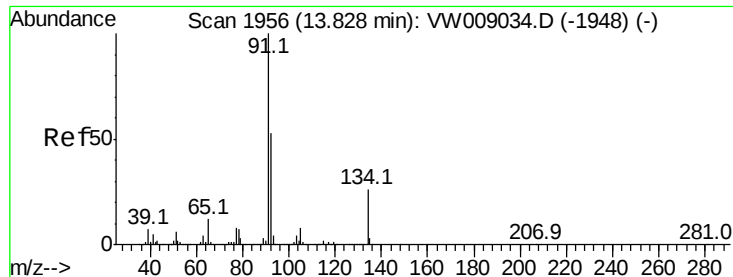


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

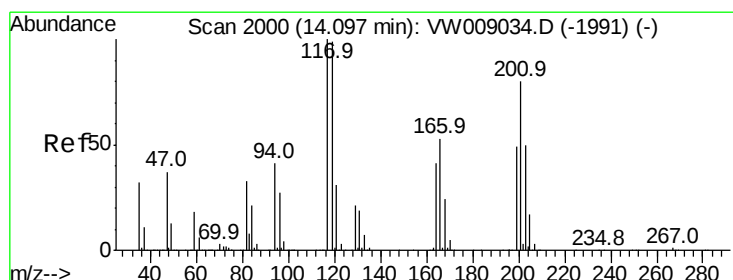
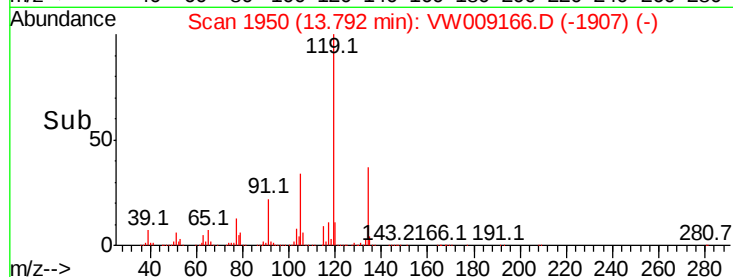
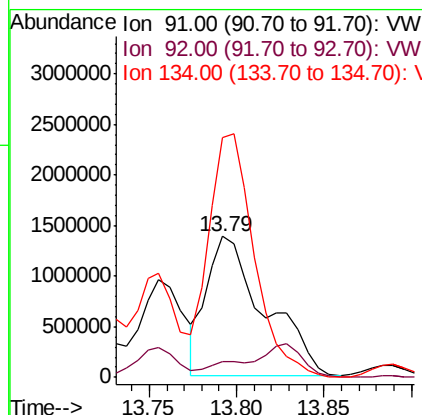
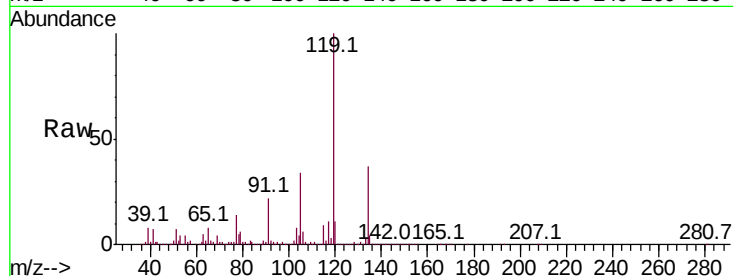




#89
n-Butylbenzene
Concen: 219.405 ug/l
RT: 13.79 min Scan# 1950
Delta R.T. -0.04 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

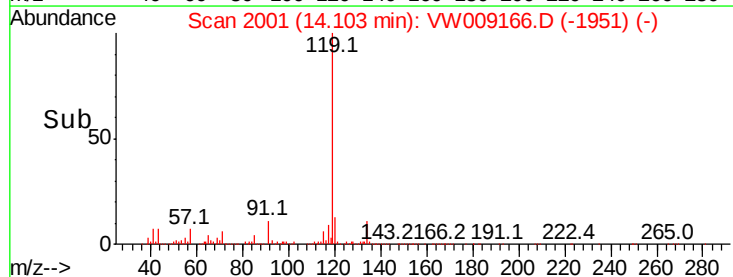
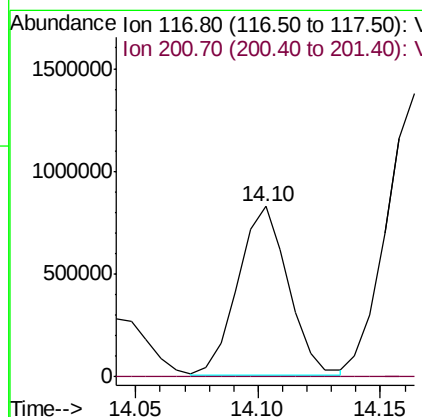
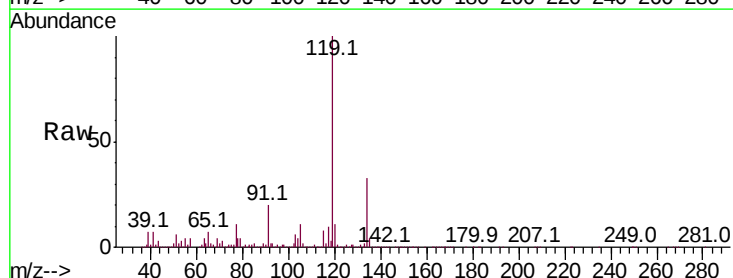
Instrument :
MSVOA_W
ClientSampled :

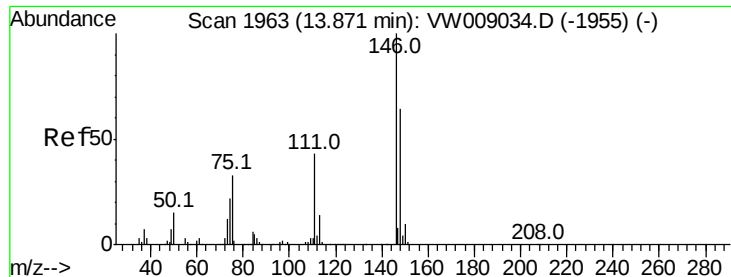
Tot Ion: 91 Resp: 3154993
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.3#
134 136.6 12.9 38.7#



#90
Hexachloroethane
Concen: 448.272 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 117 Resp: 1169443
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.5#





#91

1,2-Dichlorobenzene

Concen: 1.112 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

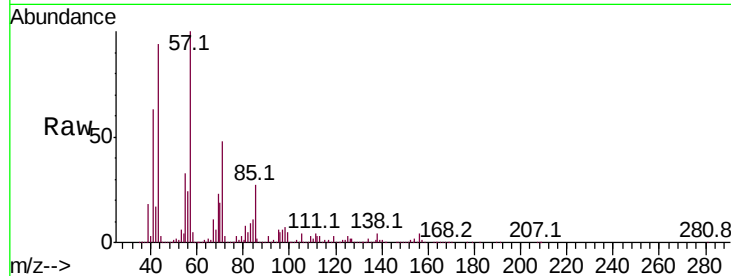
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 7395

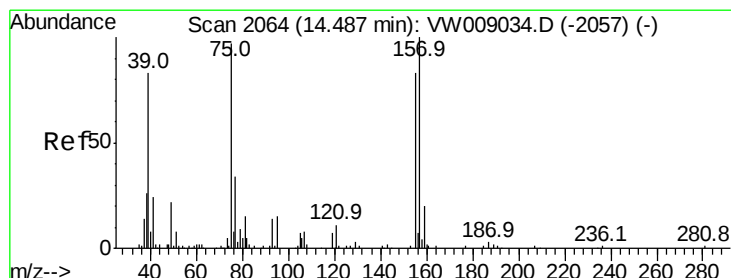
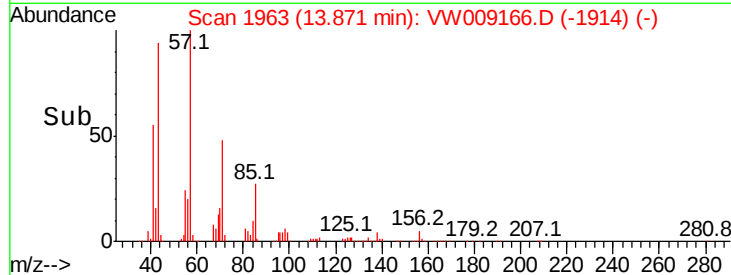
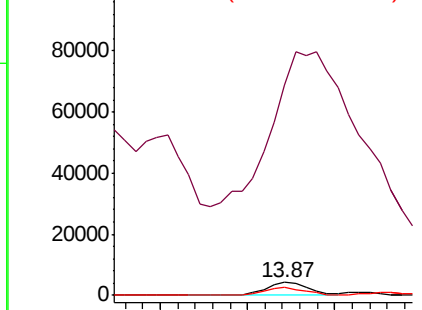
Ion	Ratio	Lower	Upper
146	100		
111	2704.5	21.1	63.1#
148	61.8	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 101.051 ug/l

RT: 14.46 min Scan# 2060

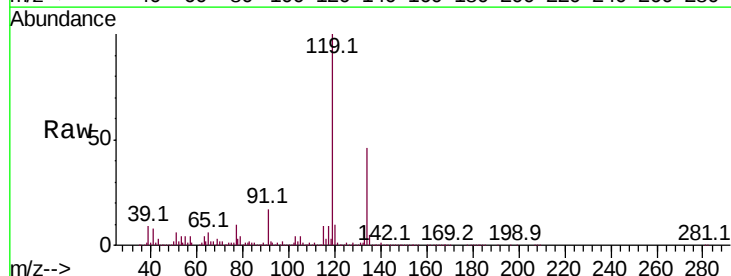
Delta R.T. -0.02 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Tgt Ion: 75 Resp: 44567

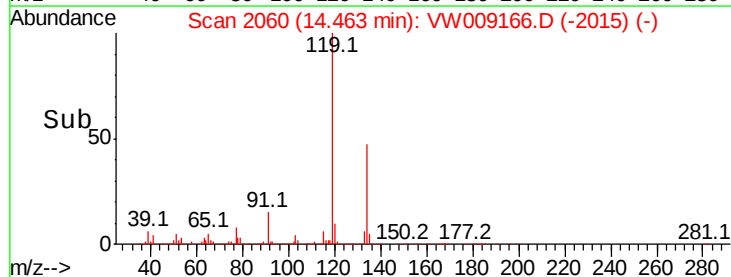
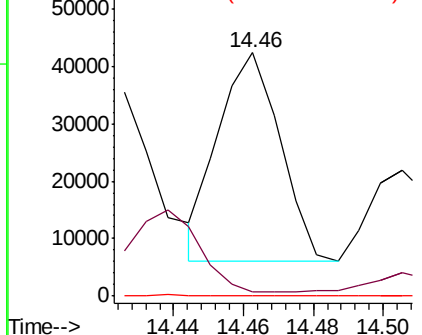
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.8	122.4#
157	0.1	52.4	157.3#

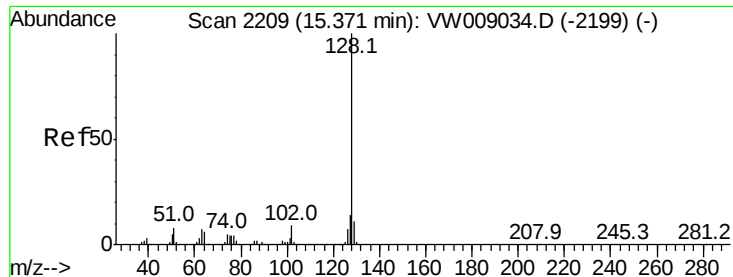


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

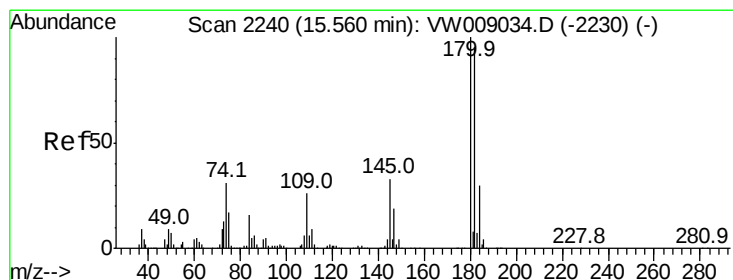
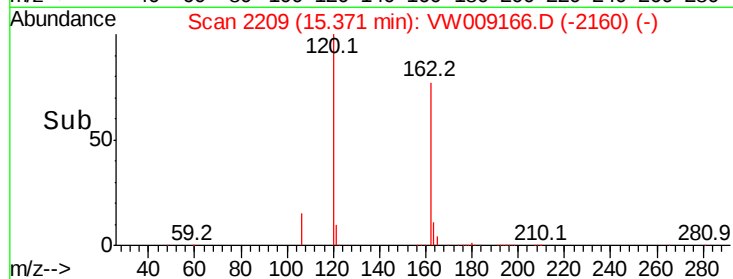
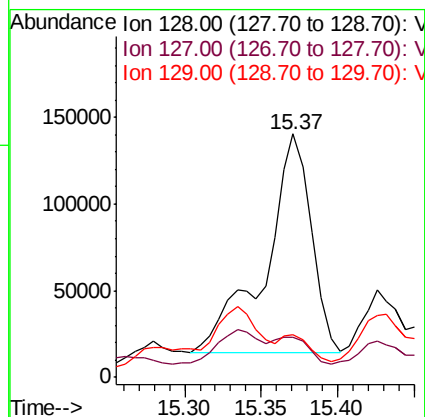
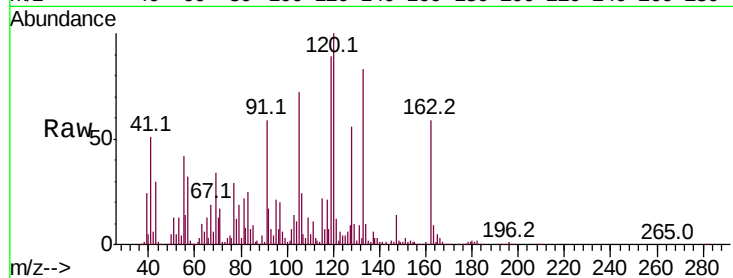




#95
Naphthalene
Concen: 35.731 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 262705
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.6#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.746 ug/l
RT: 15.53 min Scan# 2235
Delta R.T. -0.03 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion:180 Resp: 14794
Ion Ratio Lower Upper
180 100
182 36.3 48.1 144.3#
145 2229.8 15.8 47.3#

