

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012204.D
 Acq On : 27 Aug 2019 11:32
 Operator : SY/VA
 Sample : K4506-01
 Misc : 5.18G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

Quant Time: Aug 28 04:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	115844	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
35) Dibromofluoromethane	7.88	113	93019	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.32	98	343098	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.62	95	89748	34.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.52%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.68	74	3286	3.184	ug/l	74
11) Tert butyl alcohol	5.21	59	7451	56.164	ug/l #	91
13) Acrolein	3.90	56	408	3.267	ug/l #	15
14) Allyl chloride	4.78	41	25506	6.414	ug/l #	1
16) Acetone	4.14	43	147906	262.471	ug/l	98
17) Carbon Disulfide	4.38	76	15343	2.729	ug/l	99
18) Methyl Acetate	4.68	43	4192	3.003	ug/l #	82
20) Methylene Chloride	4.91	84	25982	12.196	ug/l	95
23) Vinyl Acetate	6.28	43	5989	1.320	ug/l #	77
25) 2-Butanone	7.18	43	28289	36.943	ug/l	95
28) Bromochloromethane	7.70	49	18128	10.363	ug/l #	24
29) Tetrahydrofuran	7.54	42	6294	13.700	ug/l #	83
30) Chloroform	7.70	83	55057	14.994	ug/l #	20
31) Cyclohexane	7.95	56	58196	14.656	ug/l	94
36) 1,1-Dichloropropene	7.95	75	15704	4.949	ug/l #	57
37) Ethyl Acetate	7.18	43	28289	16.269	ug/l #	76
38) Carbon Tetrachloride	7.95	117	18535	6.749	ug/l #	16
39) Methylcyclohexane	9.34	83	7474	2.097	ug/l	90
40) Benzene	8.32	78	20741	2.394	ug/l	93
41) Methacrylonitrile	7.70	41	516863	505.755	ug/l #	1
49) 1,4-Dioxane	9.49	88	1131	71.208	ug/l	88
51) 4-Methyl-2-Pentanone	10.20	43	4342	2.650	ug/l #	61
52) Toluene	10.38	92	93079	17.882	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	3248	2.213	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.90	63	15048	13.724	ug/l #	50
59) 2-Hexanone	10.93	43	9312	8.034	ug/l #	33
65) Chlorobenzene	11.66	112	147195	37.571	ug/l	99
67) Ethyl Benzene	11.73	91	647218	85.760	ug/l	99
68) m/p-Xylenes	11.84	106	37447	13.775	ug/l	98
69) o-Xylene	12.16	106	43092	17.127	ug/l	91
70) Styrene	12.18	104	13029	2.992	ug/l #	49
73) Isopropylbenzene	12.46	105	3112515	882.252	ug/l	98
74) N-amyl acetate	12.25	43	14571	13.670	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.68	83	2238	3.460	ug/l #	26

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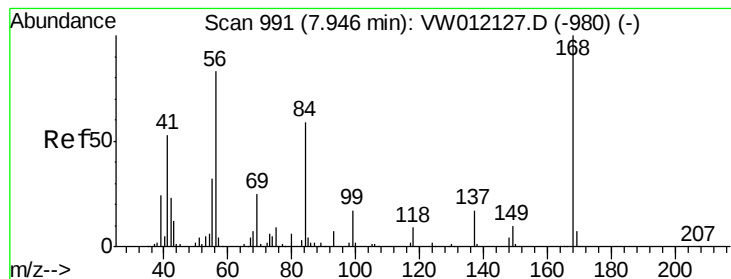
Instrument :
 MSVOA_W
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.90	75	116449	253.953	ug/l #	100
78) n-propylbenzene	12.80	91	243693	56.582	ug/l #	55
79) 2-Chlorotoluene	12.90	91	1616081	660.918	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.90	105	12749996	4325.075	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.46	75	39197	187.421	ug/l #	51
82) 4-Chlorotoluene	12.90	91	1616081	631.207	ug/l #	45
83) tert-Butylbenzene	13.10	119	174962	70.065	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.10	105	9330517	3150.849	ug/l	80
85) sec-Butylbenzene	13.10	105	6250784	1747.204	ug/l #	57
86) p-Isopropyltoluene	13.50	119	1327858	415.605	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	73528	49.254	ug/l	93
88) 1,4-Dichlorobenzene	13.58	146	132411	89.329	ug/l	96
89) n-Butylbenzene	13.88	91	49633	15.621	ug/l #	1
90) Hexachloroethane	14.10	117	338961	604.692	ug/l #	11
91) 1,2-Dichlorobenzene	13.86	146	5252	4.010	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.46	75	1017	9.327	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.13	180	5314	5.872	ug/l #	1
95) Naphthalene	15.36	128	178558	96.176	ug/l	96
96) 1,2,3-Trichlorobenzene	15.58	180	6707	8.494	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012204.D

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Instrument :

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ClientSampleId :

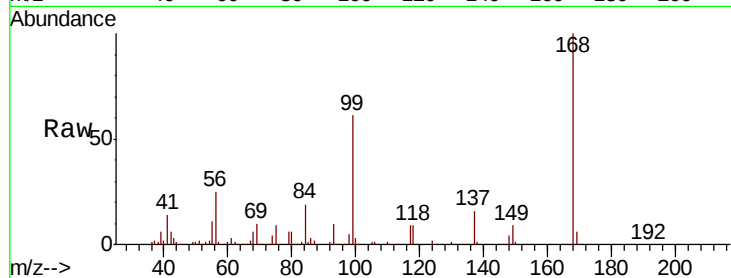
RO-COMP

Tgt Ion:168 Resp: 185445

Ion Ratio Lower Upper

168 100

99 61.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

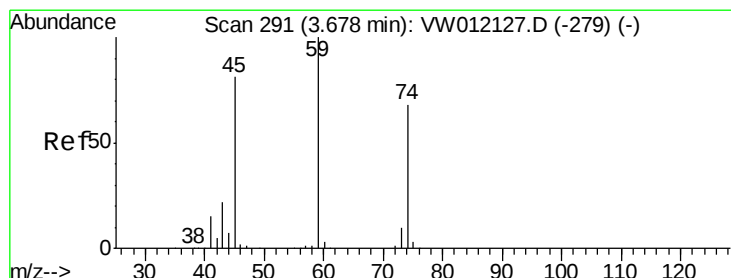
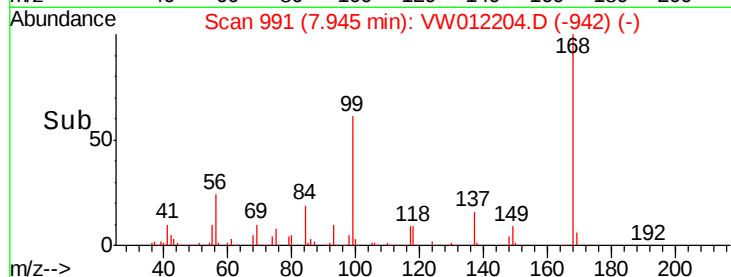
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 3.184 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012204.D

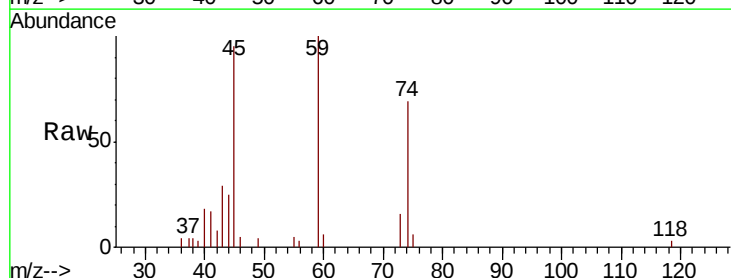
Acq: 27 Aug 2019 11:32

Tgt Ion: 74 Resp: 3286

Ion Ratio Lower Upper

74 100

45 146.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

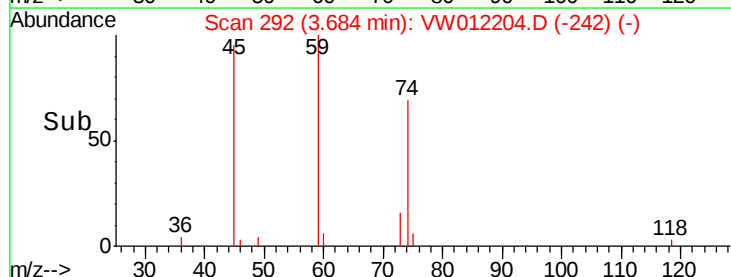
1500

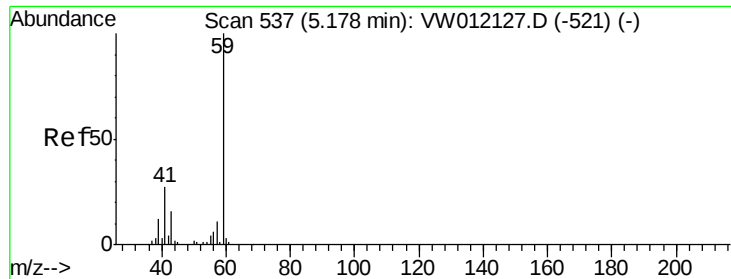
1000

500

0

Time--> 3.60 3.65 3.70 3.75

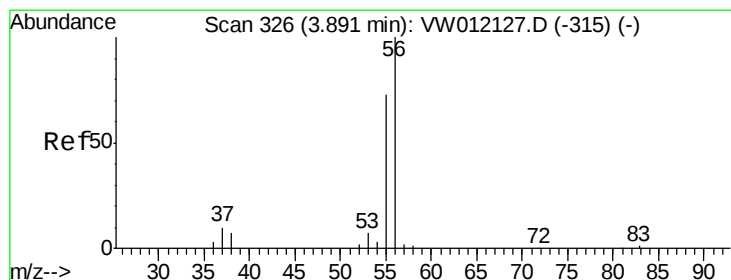
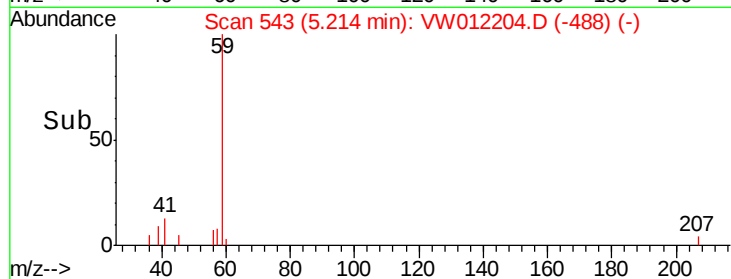
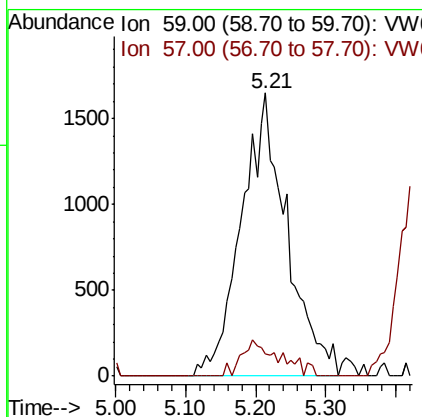
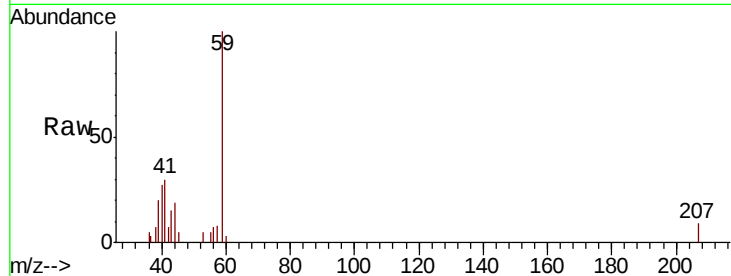




#11
Tert butyl alcohol
Concen: 56.164 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

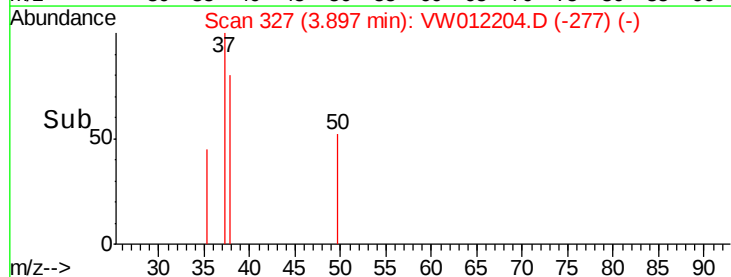
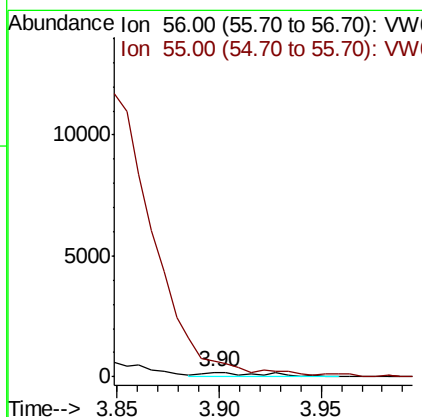
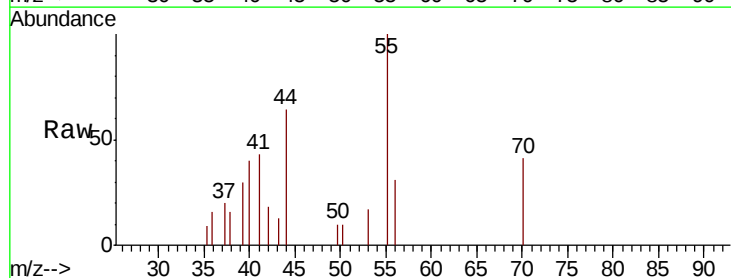
Instrument :
MSVOA_W
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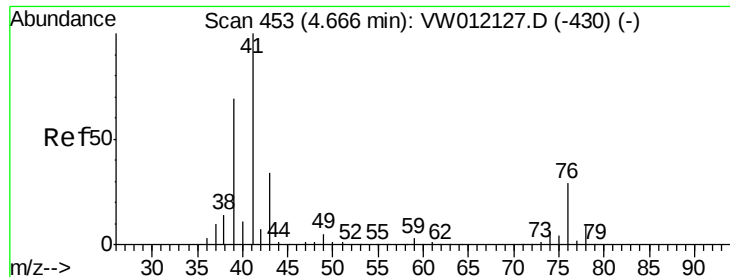
Tgt Ion: 59 Resp: 7451
Ion Ratio Lower Upper
59 100
57 7.7 9.0 13.4#



#13
Acrolein
Concen: 3.267 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion: 56 Resp: 408
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

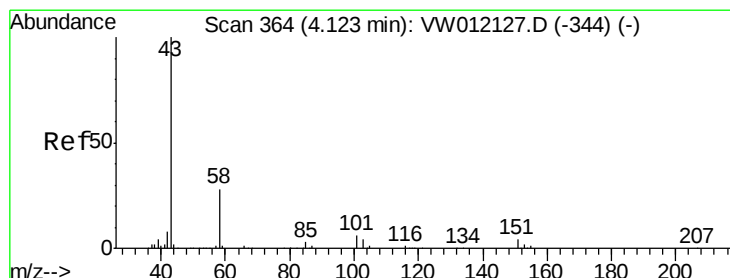
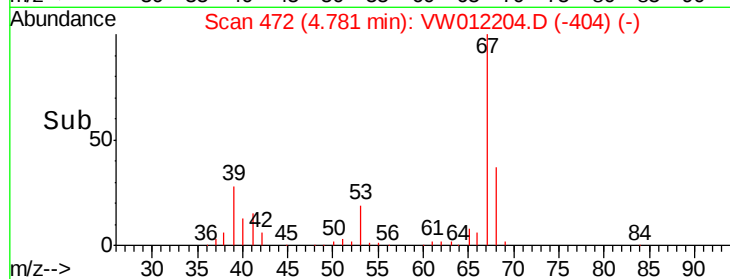
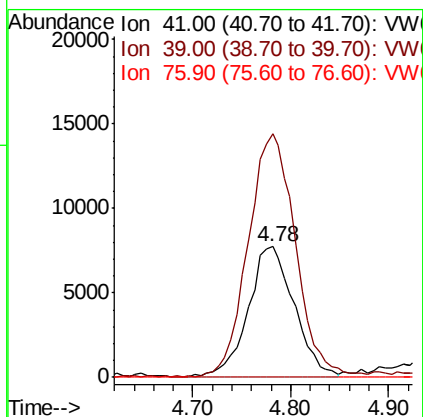
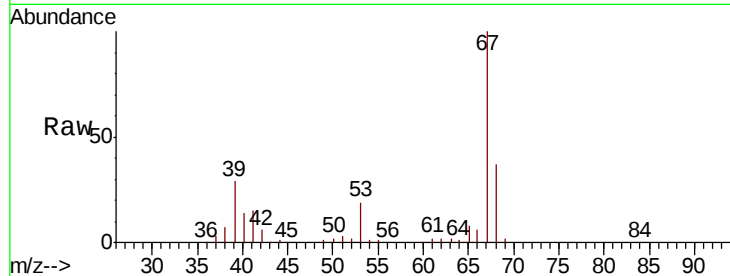




#14
 Allyl chloride
 Concen: 6.414 ug/l
 RT: 4.78 min Scan# 472
 Delta R.T. 0.12 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

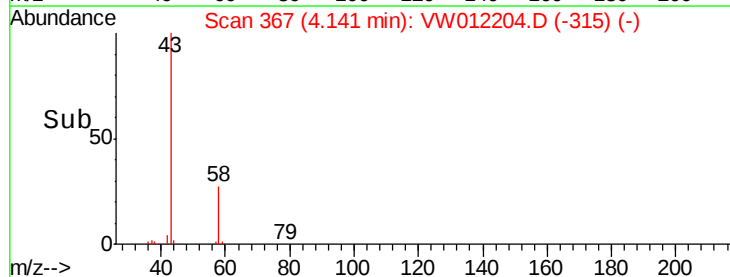
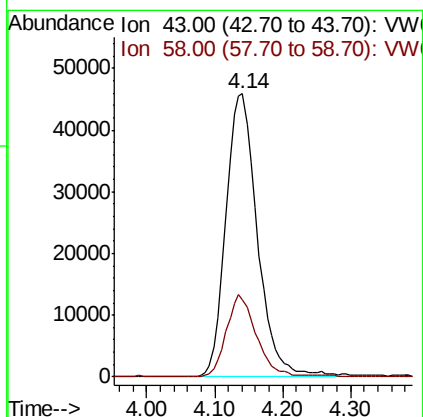
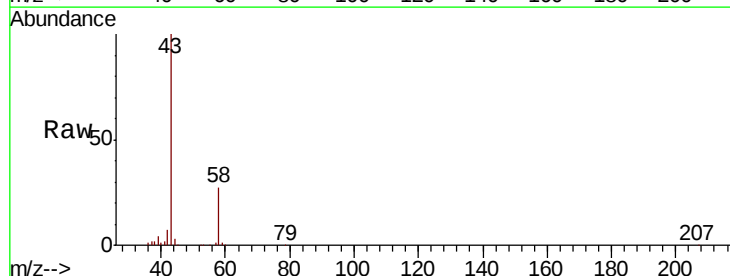
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

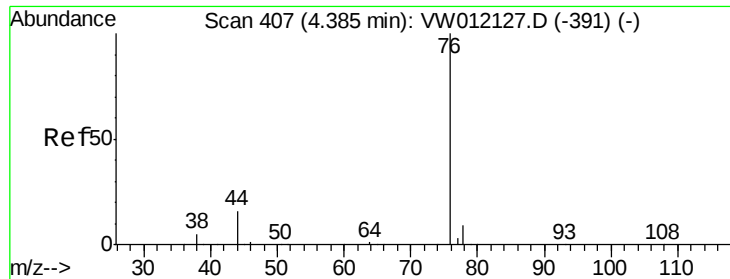
Tgt Ion: 41 Resp: 25506
 Ion Ratio Lower Upper
 41 100
 39 191.6 53.4 80.2#
 76 0.0 22.1 33.1#



#16
 Acetone
 Concen: 262.471 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion: 43 Resp: 147906
 Ion Ratio Lower Upper
 43 100
 58 27.1 22.4 33.6





#17

Carbon Disulfide

Concen: 2.729 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

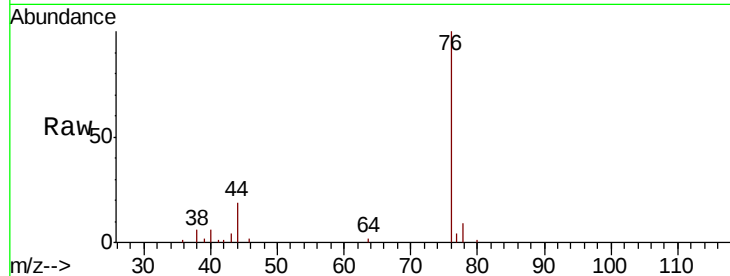
RO-COMP

Tgt Ion: 76 Resp: 15343

Ion Ratio Lower Upper

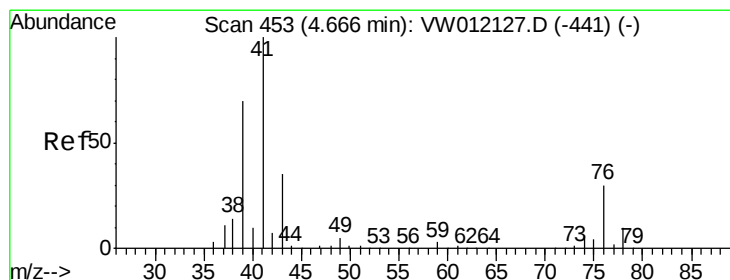
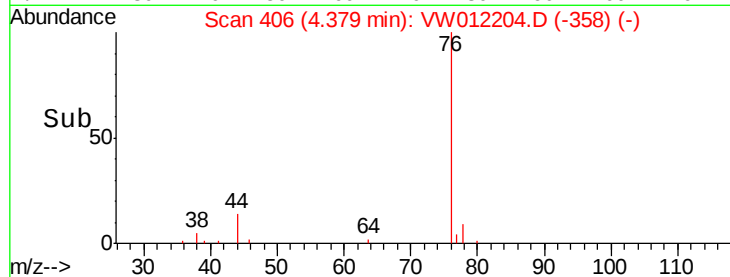
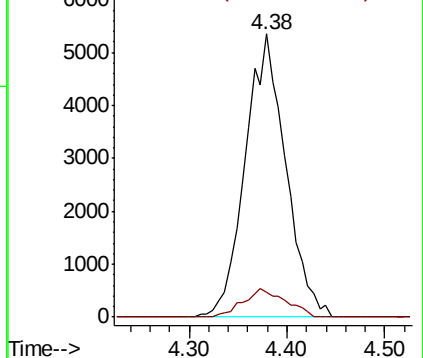
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 3.003 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW012204.D

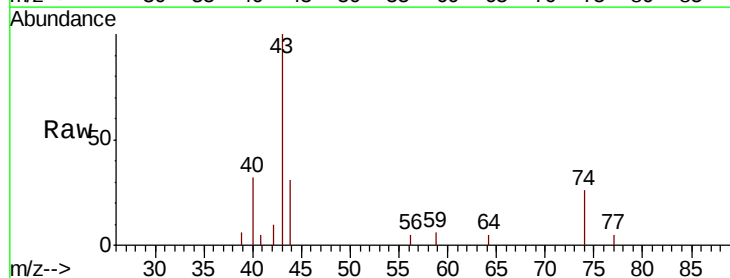
Acq: 27 Aug 2019 11:32

Tgt Ion: 43 Resp: 4192

Ion Ratio Lower Upper

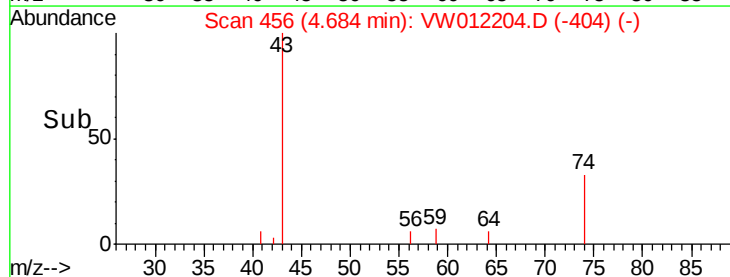
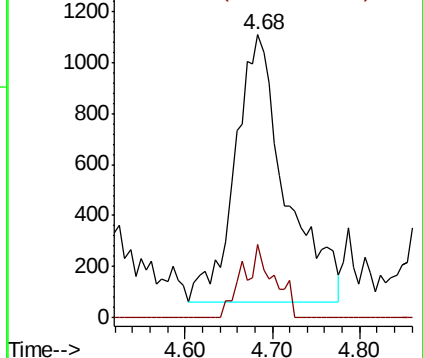
43 100

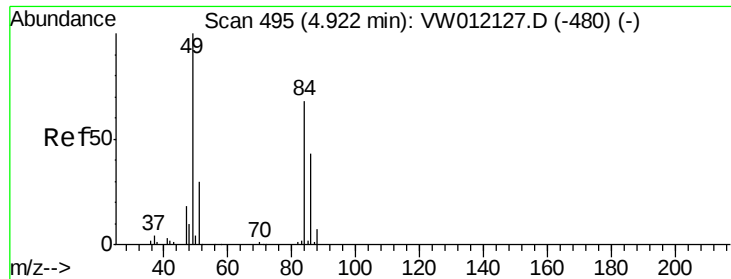
74 11.5 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

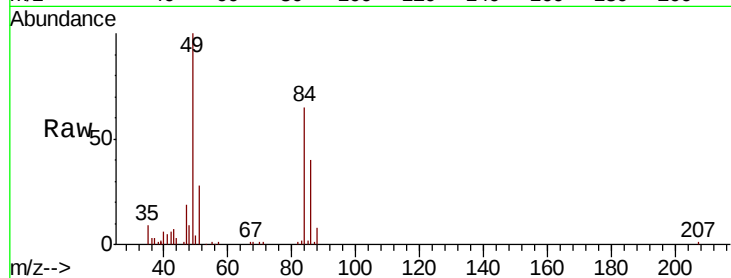




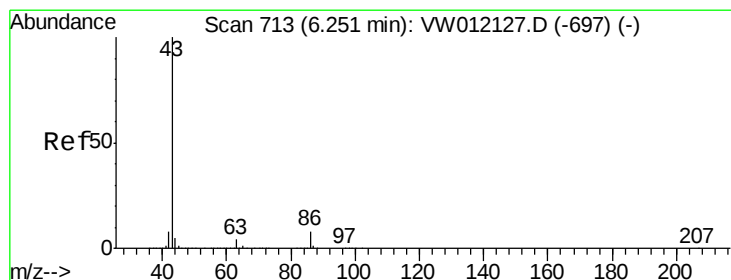
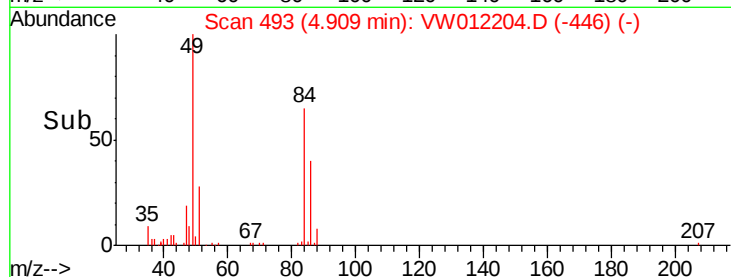
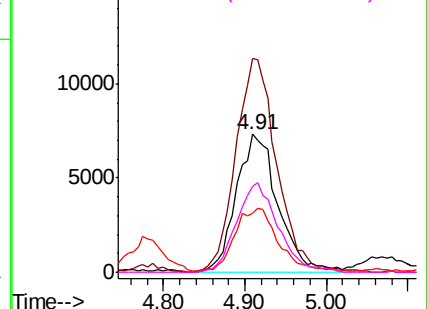
#20
Methylene Chloride
Concen: 12.196 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Instrument :
MSVOA_W
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Tgt Ion: 84 Resp: 25982
Ion Ratio Lower Upper
84 100
49 154.6 117.8 176.8
51 42.1 35.6 53.4
86 62.4 51.2 76.8

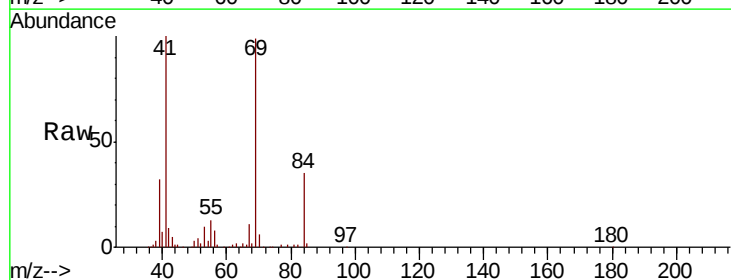


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

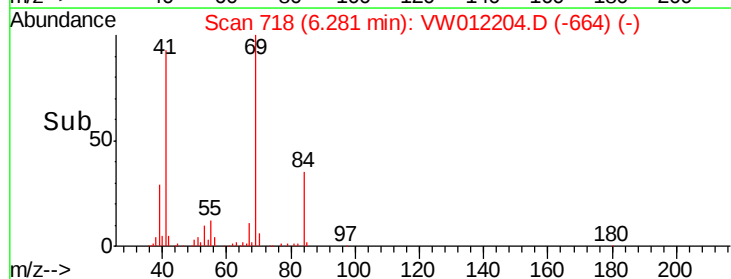
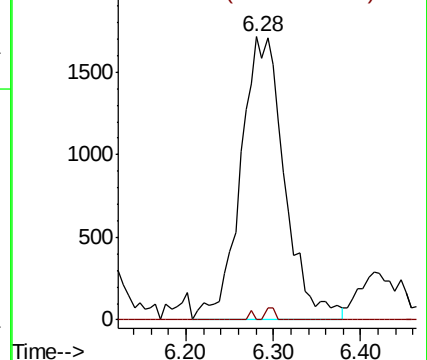


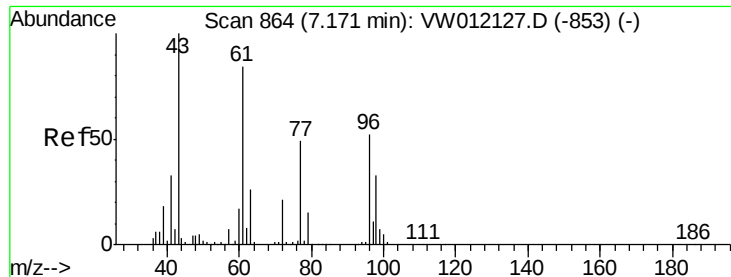
#23
Vinyl Acetate
Concen: 1.320 ug/l
RT: 6.28 min Scan# 718
Delta R.T. 0.03 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion: 43 Resp: 5989
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW





#25

2-Butanone

Concen: 36.943 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

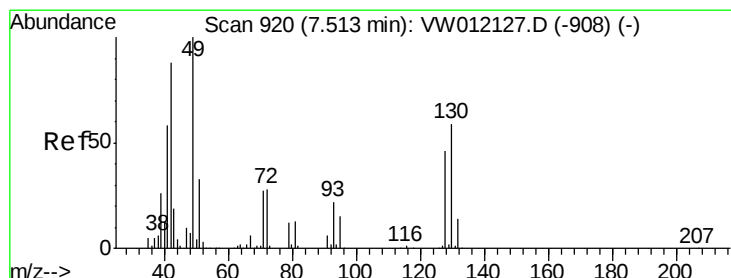
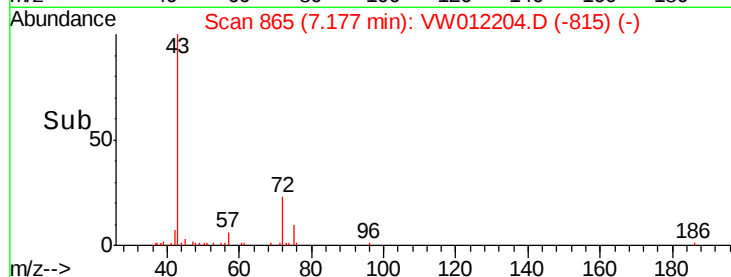
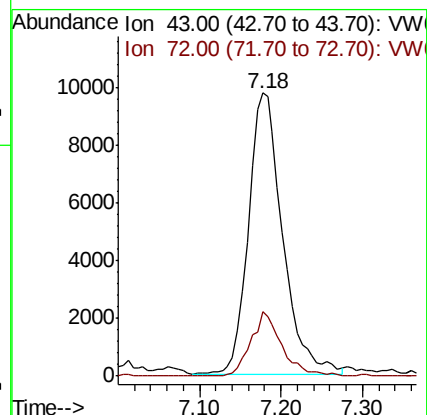
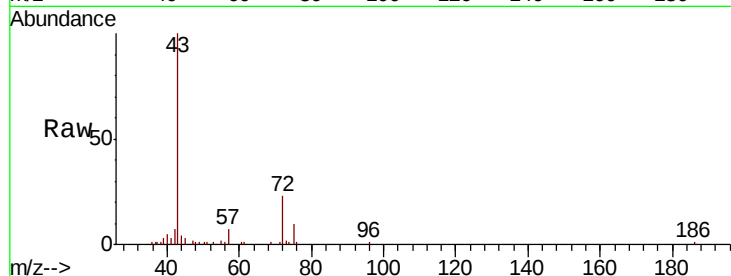
RO-COMP

Tgt Ion: 43 Resp: 28289

Ion Ratio Lower Upper

43 100

72 23.1 16.6 24.8



#28

Bromochloromethane

Concen: 10.363 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.18 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

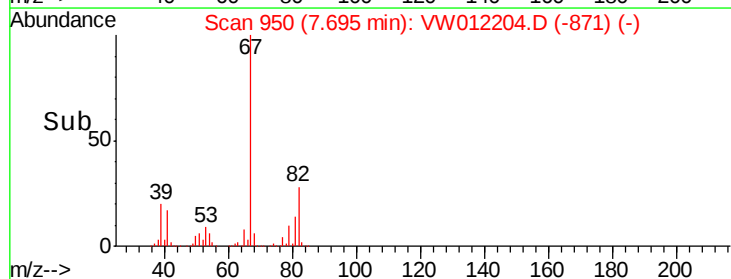
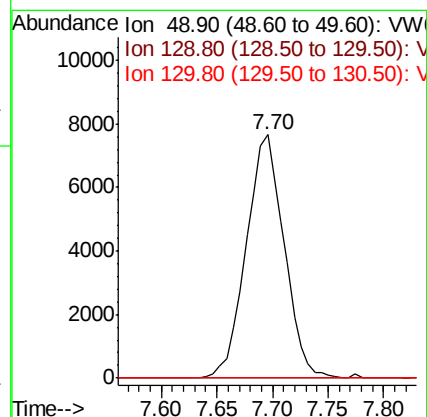
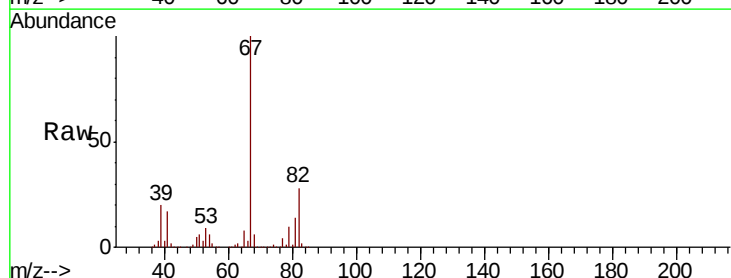
Tgt Ion: 49 Resp: 18128

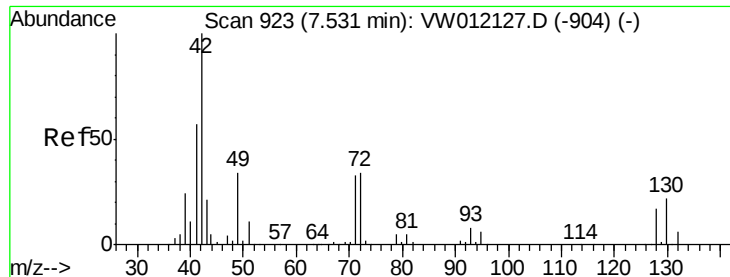
Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.4

130 0.0 45.5 68.3#





#29

Tetrahydrofuran

Concen: 13.700 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

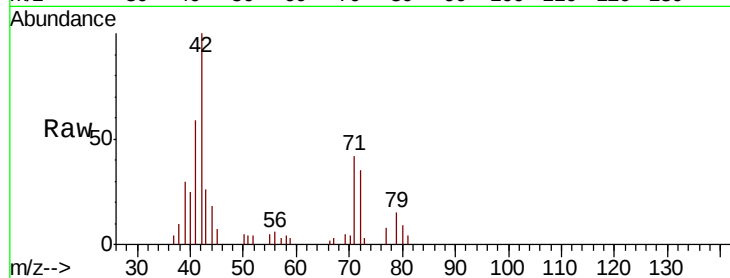
Tgt Ion: 42 Resp: 6294

Ion Ratio Lower Upper

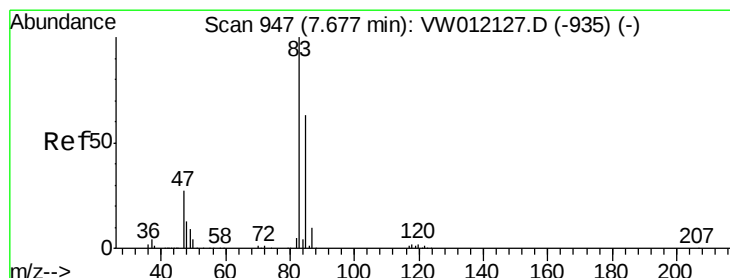
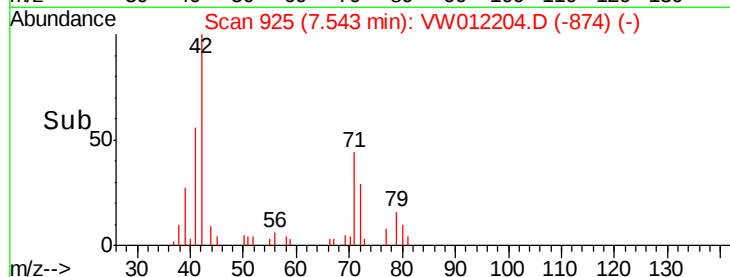
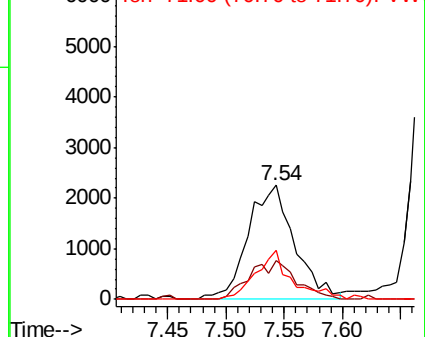
42 100

72 16.3 27.3 40.9#

71 33.2 25.5 38.3



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: 14.994 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.02 min

Lab File: VW012204.D

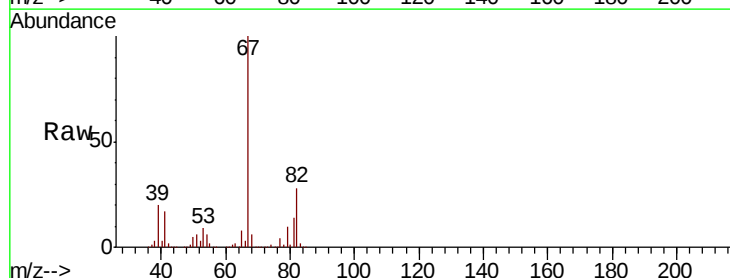
Acq: 27 Aug 2019 11:32

Tgt Ion: 83 Resp: 55057

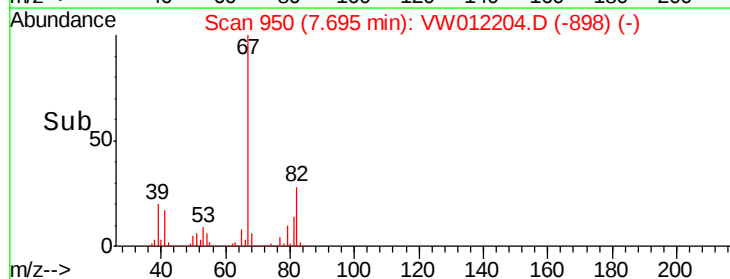
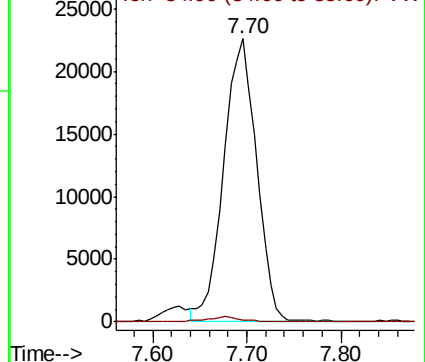
Ion Ratio Lower Upper

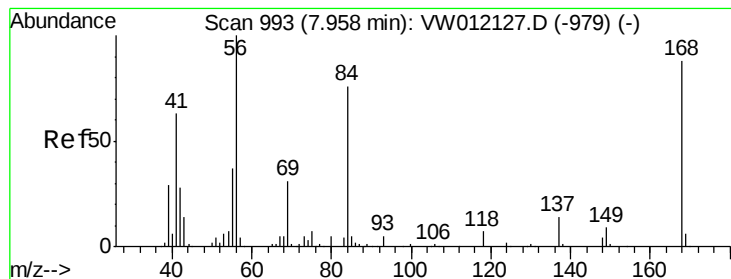
83 100

85 0.8 50.6 76.0#



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





#31

Cyclohexane

Concen: 14.656 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

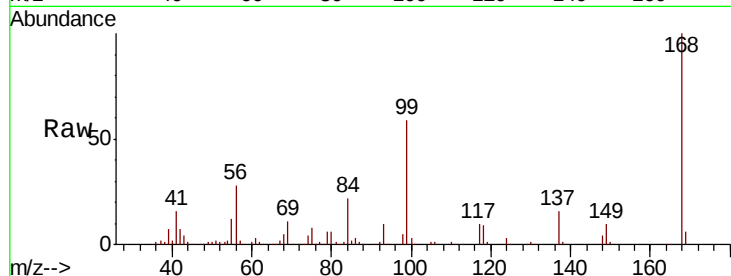
Tgt Ion: 56 Resp: 58196

Ion Ratio Lower Upper

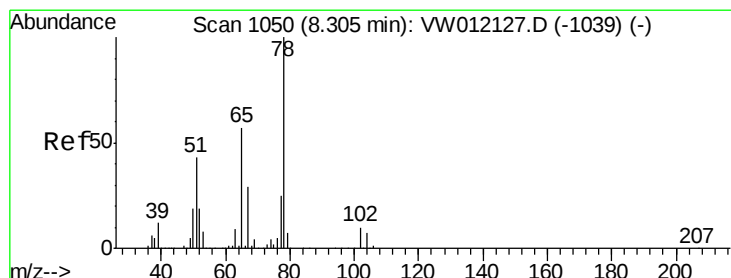
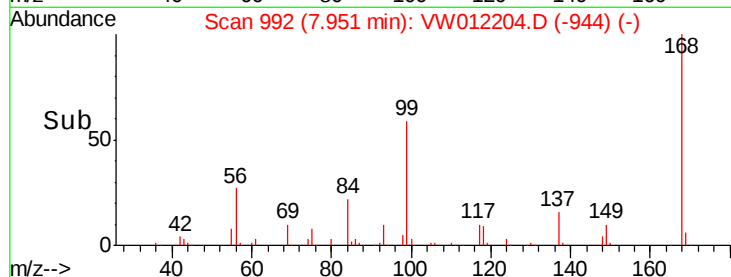
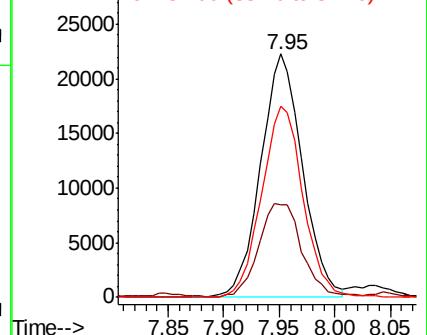
56 100

69 37.2 24.9 37.3

84 78.5 60.6 90.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 52.549 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012204.D

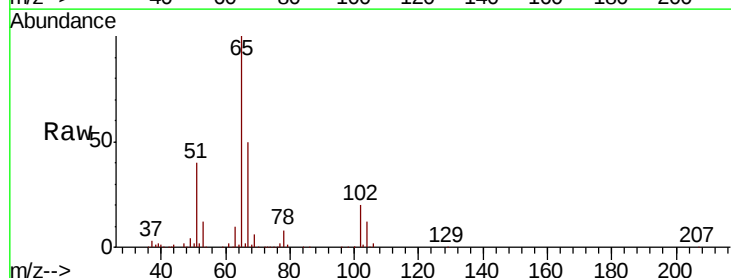
Acq: 27 Aug 2019 11:32

Tgt Ion: 65 Resp: 115844

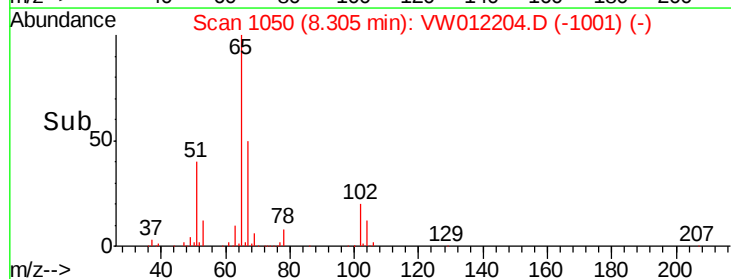
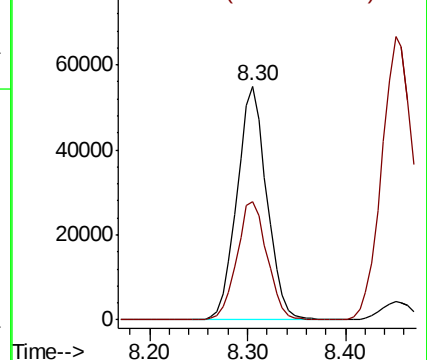
Ion Ratio Lower Upper

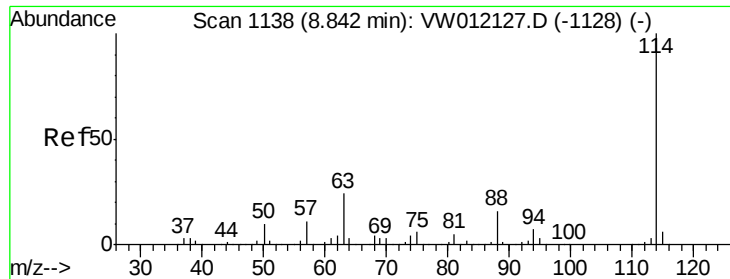
65 100

67 51.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

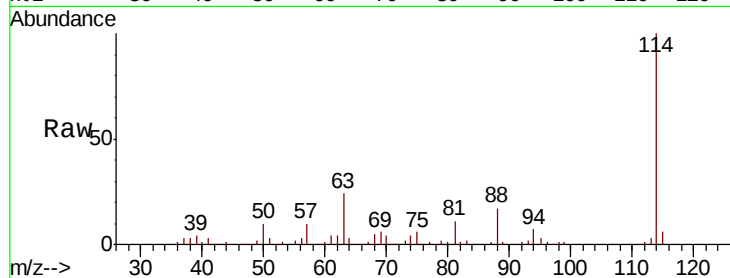




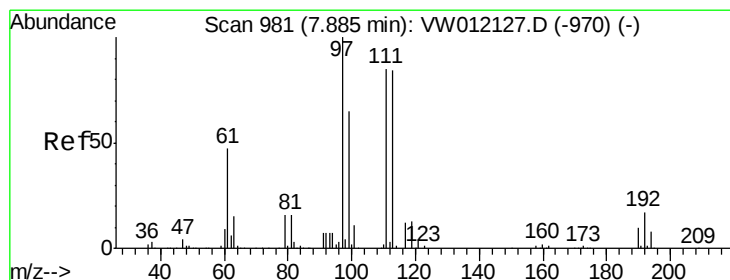
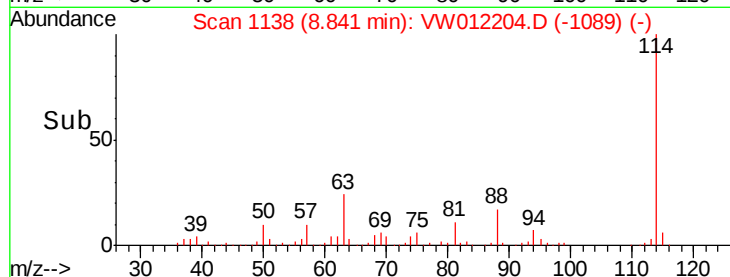
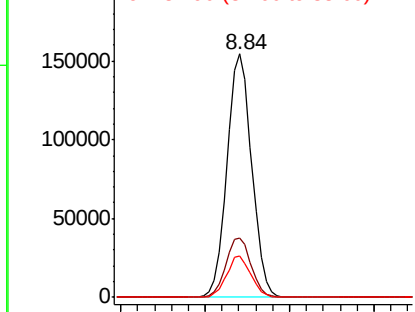
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Instrument :
MSVOA_W
ClientSampleId :
RO-COMP

Tgt Ion:114 Resp: 307060
Ion Ratio Lower Upper
114 100
63 24.5 0.0 48.6
88 17.2 0.0 32.2

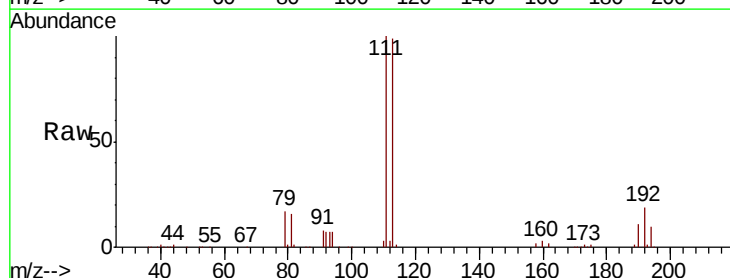


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

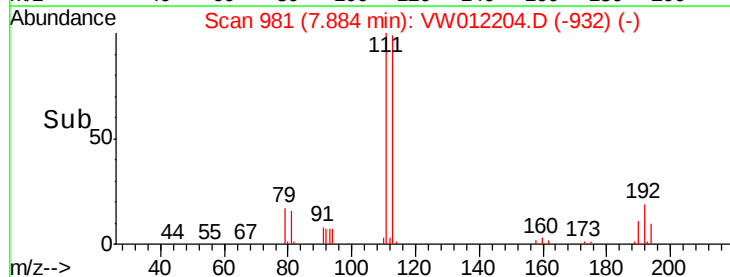
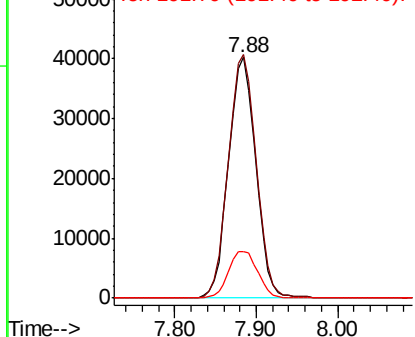


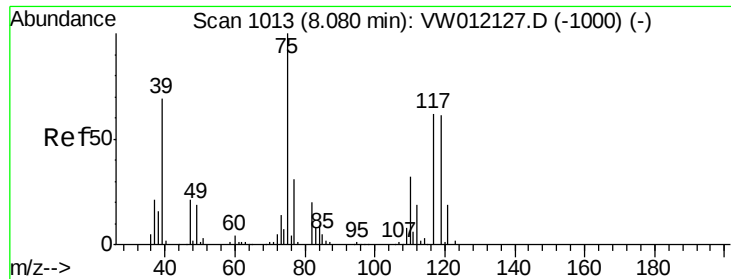
#35
Dibromofluoromethane
Concen: 50.751 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion:113 Resp: 93019
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 20.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

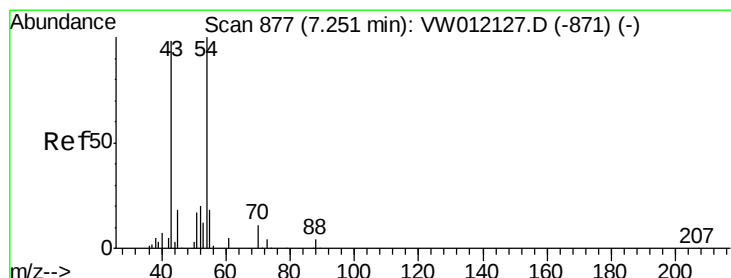
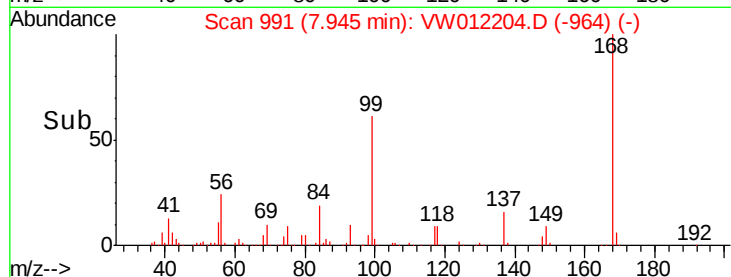
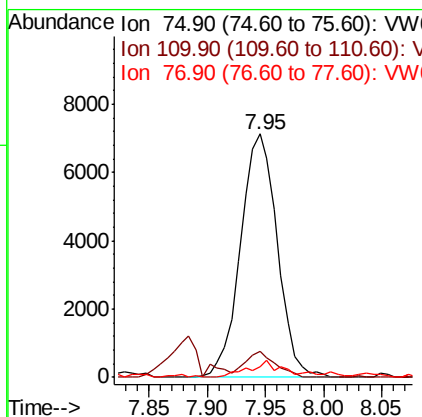
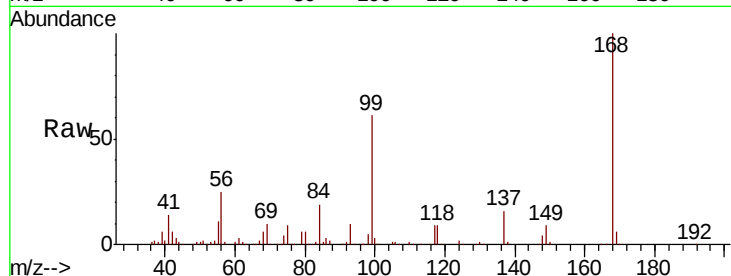




#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

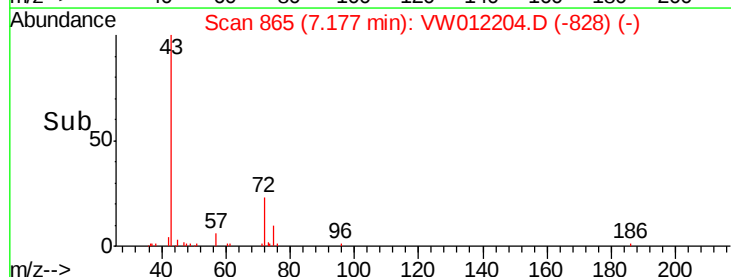
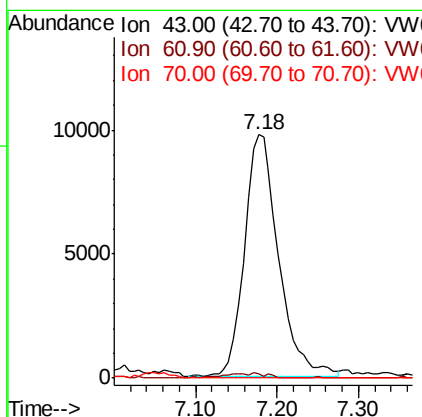
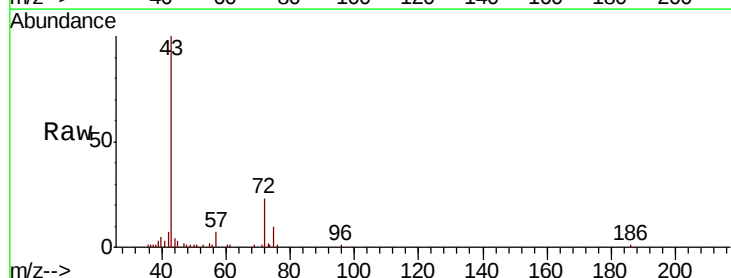
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

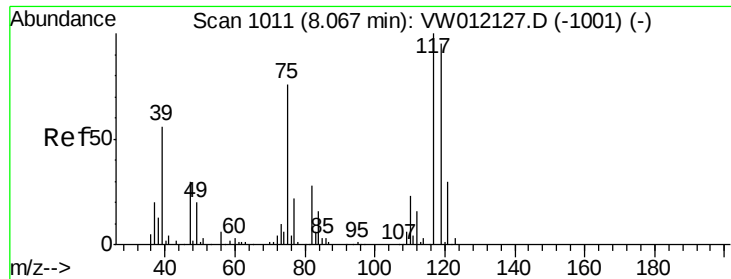
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	6.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 16.269 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
61	2.5	9.2	13.8#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

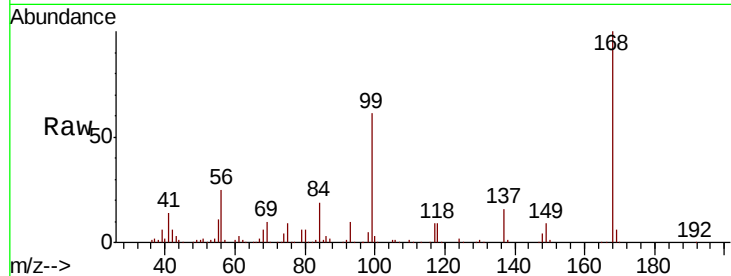
Tgt Ion:117 Resp: 18535

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

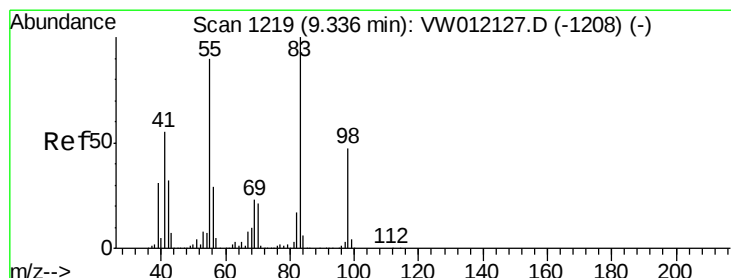
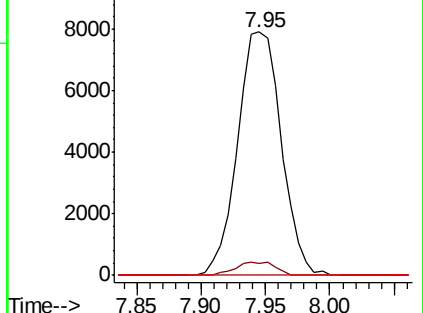
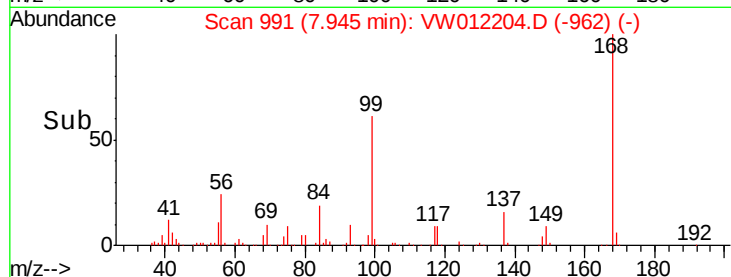
121 0.0 23.8 35.8#



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: 2.097 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

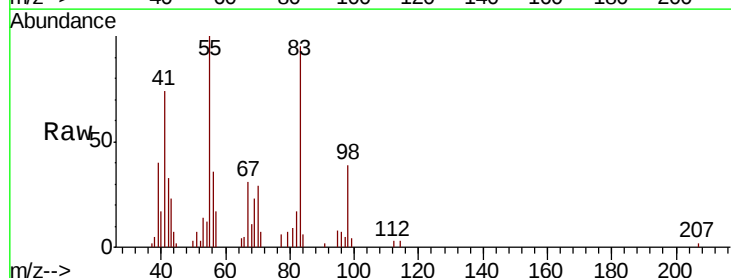
Tgt Ion: 83 Resp: 7474

Ion Ratio Lower Upper

83 100

55 99.5 71.8 107.8

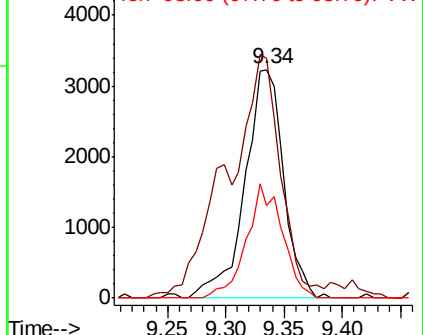
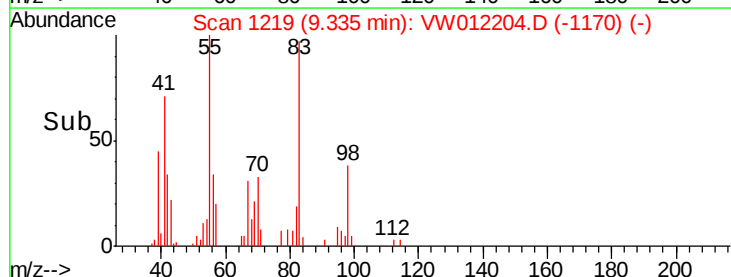
98 40.6 37.8 56.8

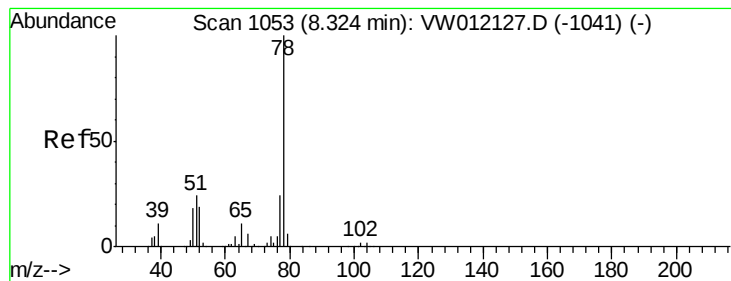


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 2.394 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

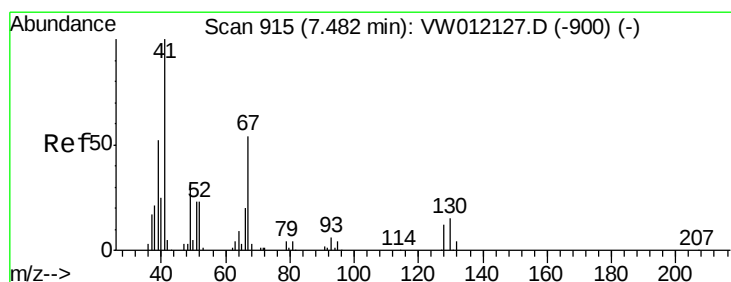
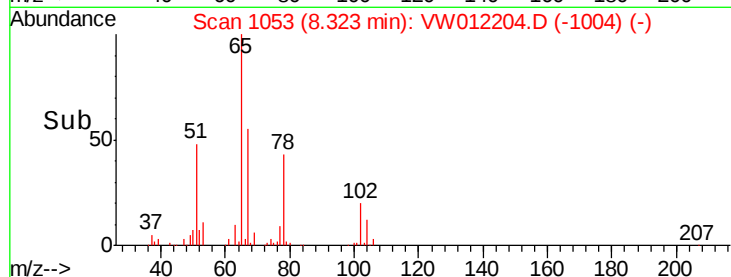
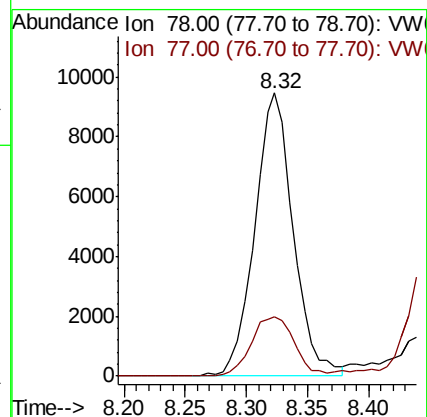
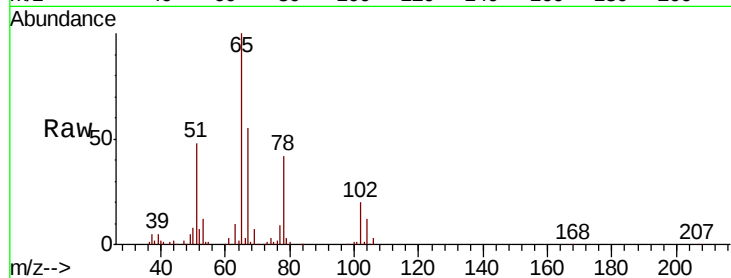
RO-COMP

Tgt Ion: 78 Resp: 20741

Ion Ratio Lower Upper

78 100

77 20.9 19.5 29.3



#41

Methacrylonitrile

Concen: 505.755 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.21 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Tgt Ion: 41 Resp: 516863

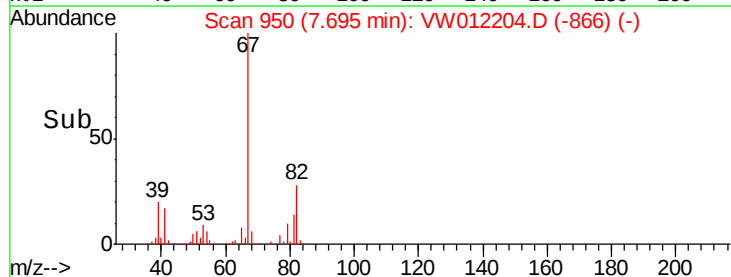
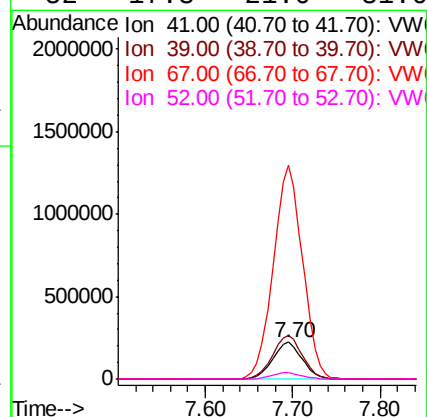
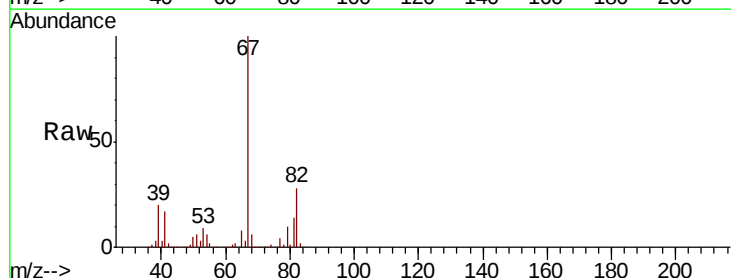
Ion Ratio Lower Upper

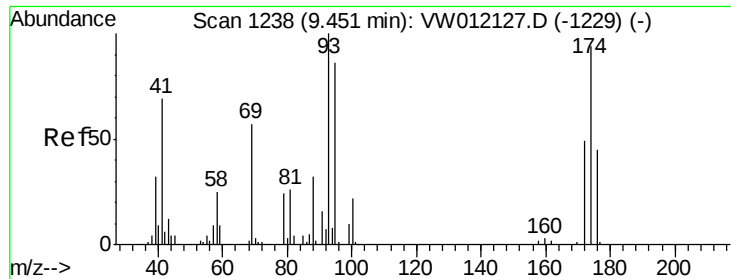
41 100

39 120.1 45.8 68.8#

67 584.5 46.2 69.4#

52 17.3 21.0 31.6#

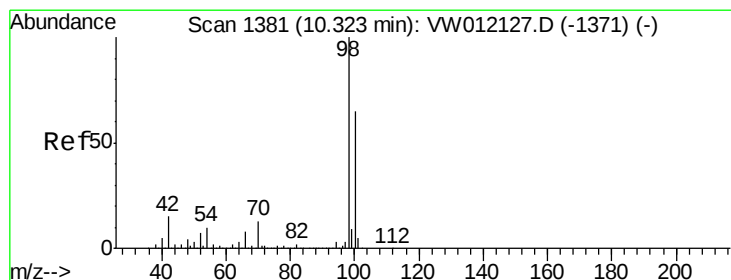
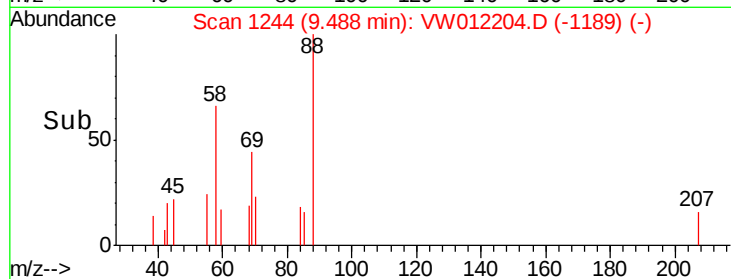
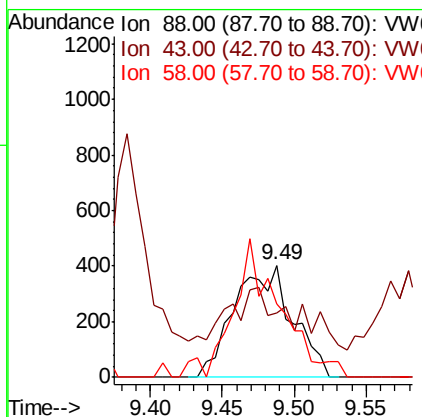
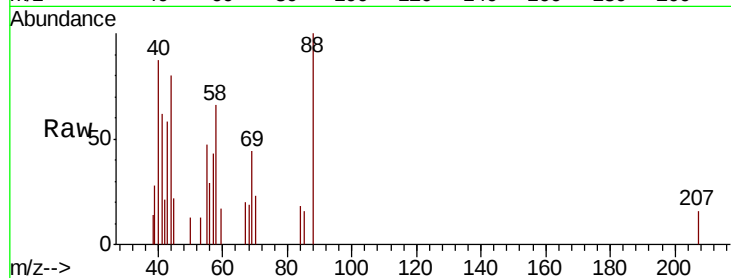




#49
 1,4-Dioxane
 Concen: 71.208 ug/l
 RT: 9.49 min Scan# 1244
 Delta R.T. 0.04 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

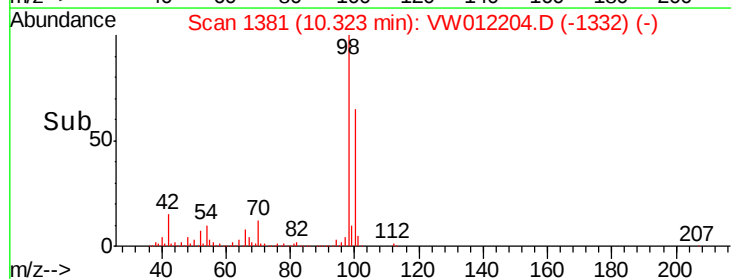
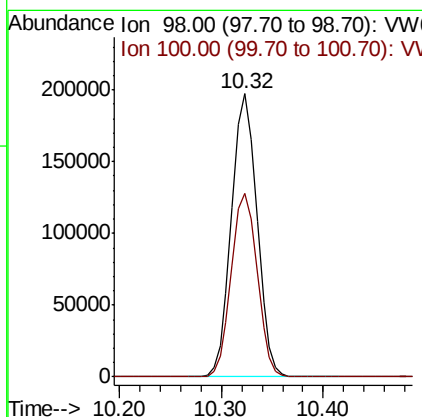
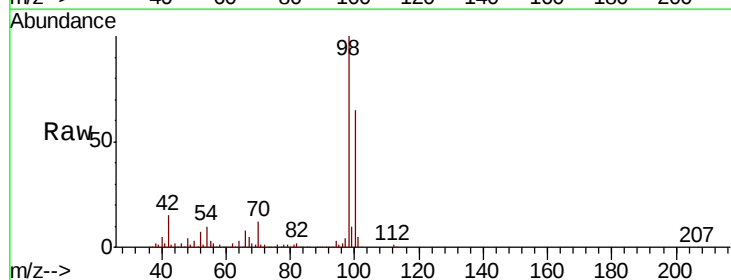
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

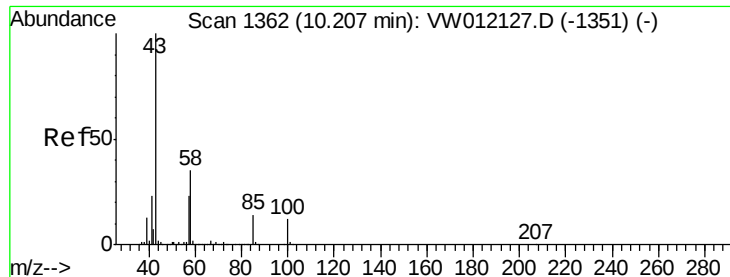
Tgt Ion: 88 Resp: 1131
 Ion Ratio Lower Upper
 88 100
 43 35.5 32.9 49.3
 58 100.9 71.0 106.4



#50
 Toluene-d8
 Concen: 46.167 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion: 98 Resp: 343098
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 2.650 ug/l

RT: 10.20 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

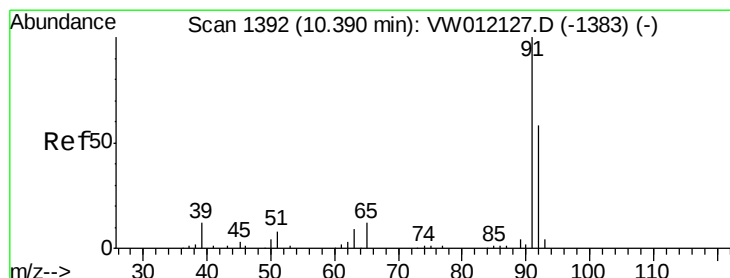
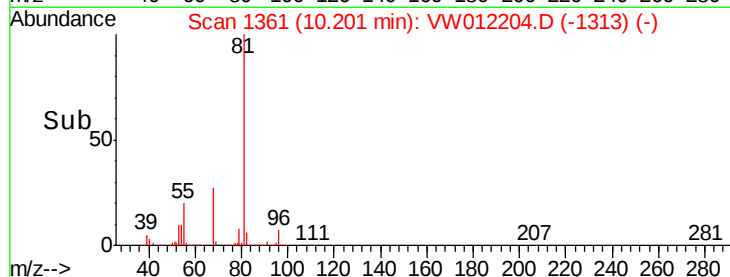
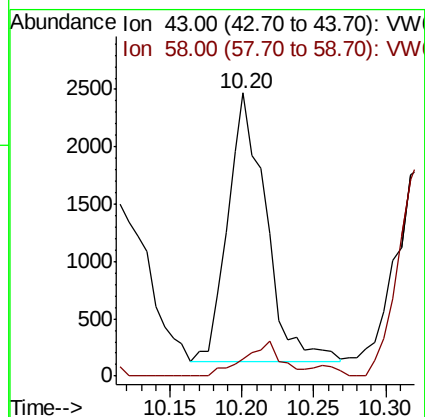
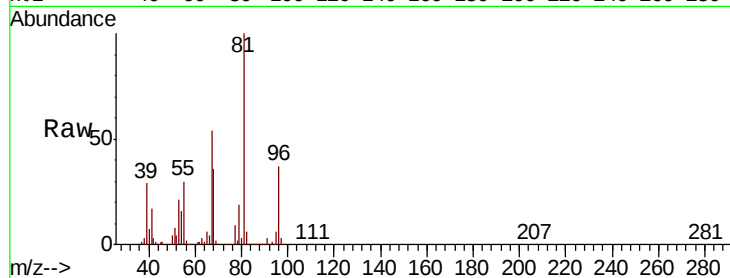
RO-COMP

Tgt Ion: 43 Resp: 4342

Ion Ratio Lower Upper

43 100

58 12.6 28.2 42.2#



#52

Toluene

Concen: 17.882 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012204.D

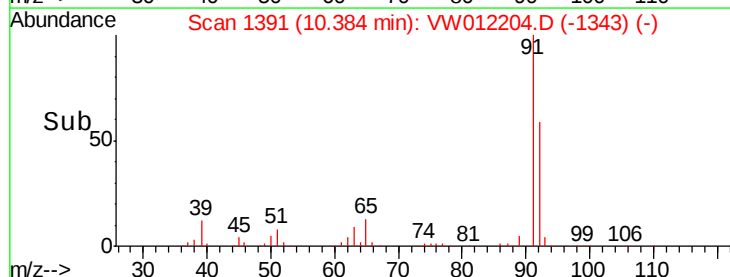
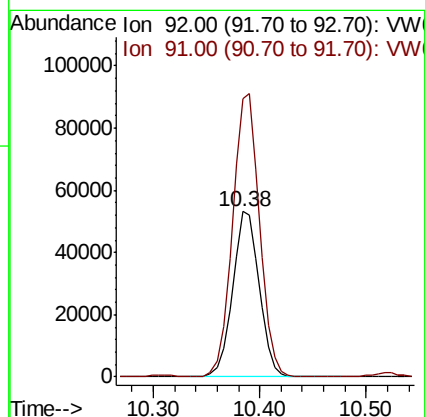
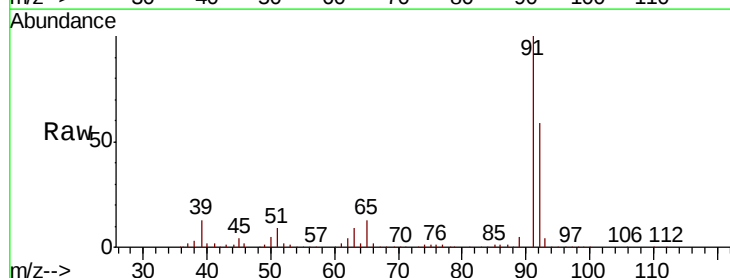
Acq: 27 Aug 2019 11:32

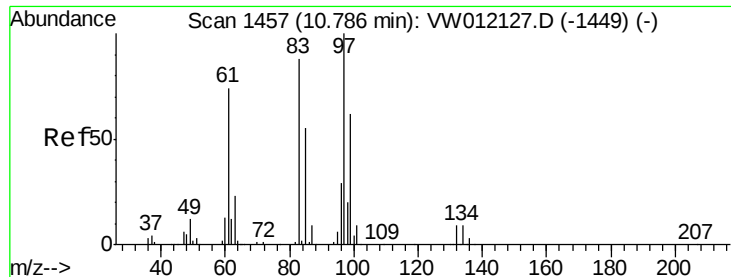
Tgt Ion: 92 Resp: 93079

Ion Ratio Lower Upper

92 100

91 173.2 136.6 204.8

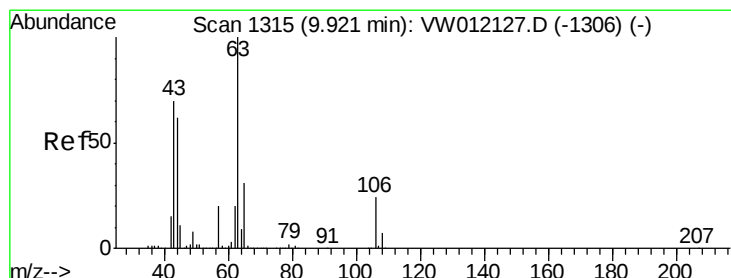
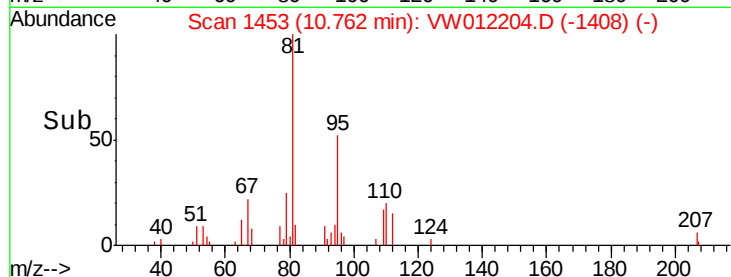
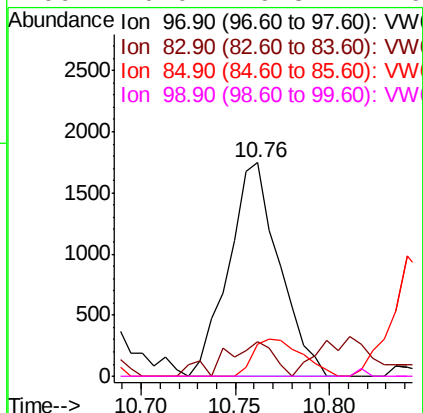
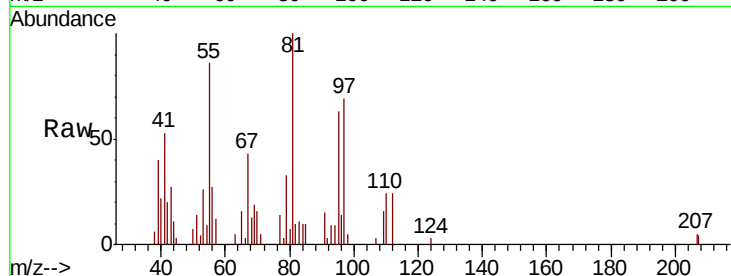




#55
 1,1,2-Trichloroethane
 Concen: 2.213 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

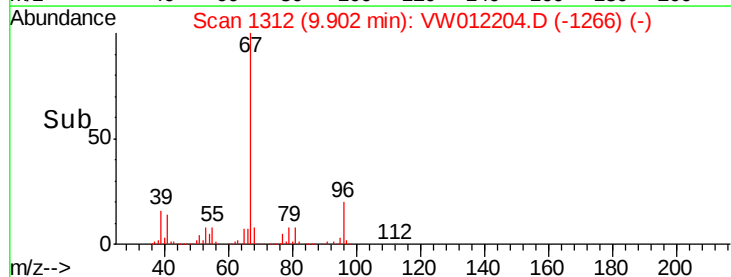
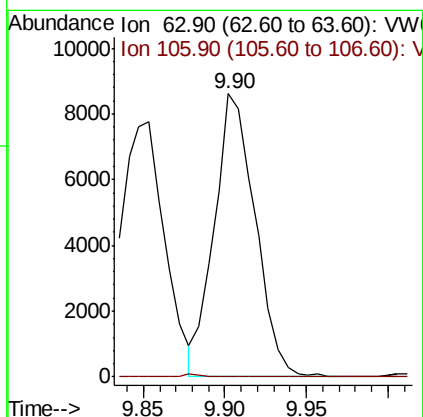
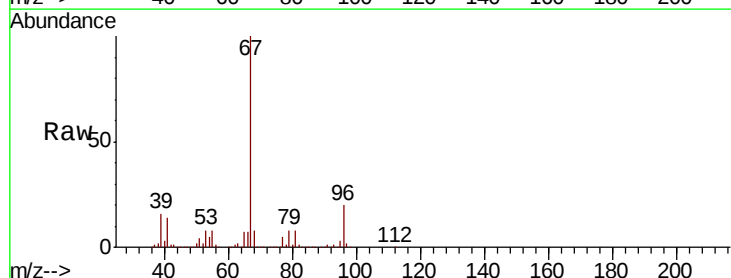
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

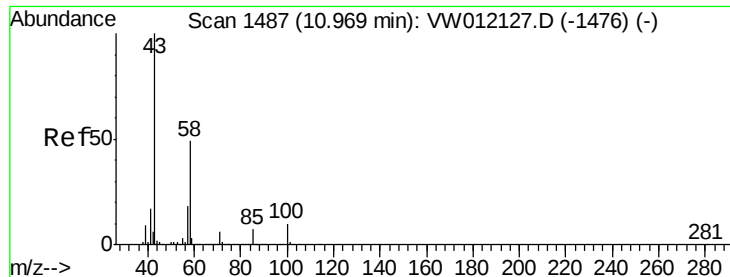
Tgt Ion: 97 Resp: 3248
 Ion Ratio Lower Upper
 97 100
 83 10.3 70.8 106.2#
 85 15.1 43.8 65.8#
 99 0.0 49.8 74.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.724 ug/l
 RT: 9.90 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion: 63 Resp: 15048
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#

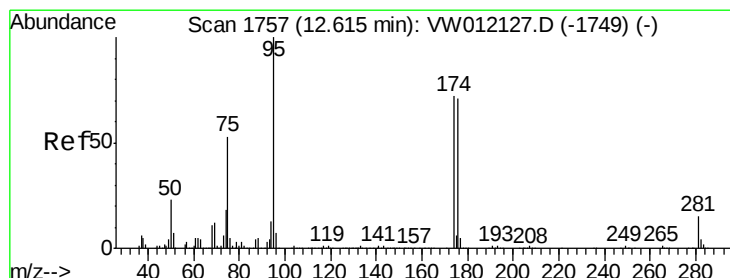
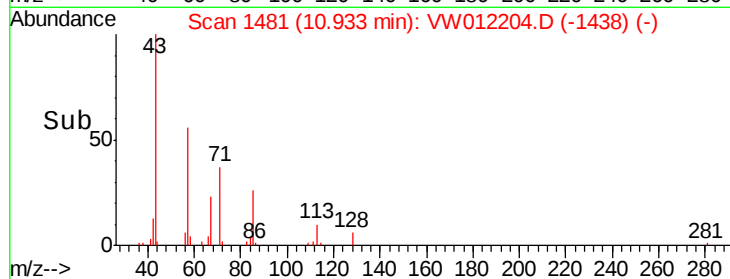
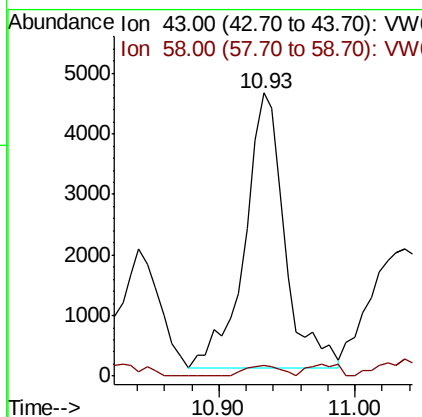
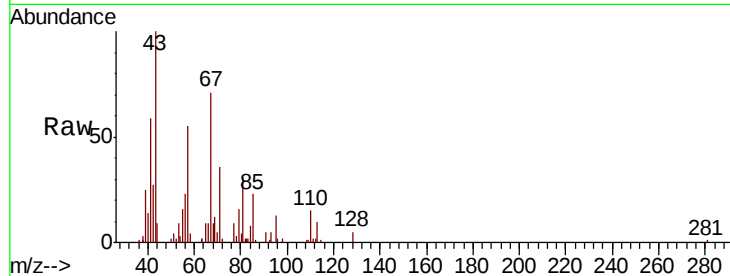




#59
2-Hexanone
Concen: 8.034 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

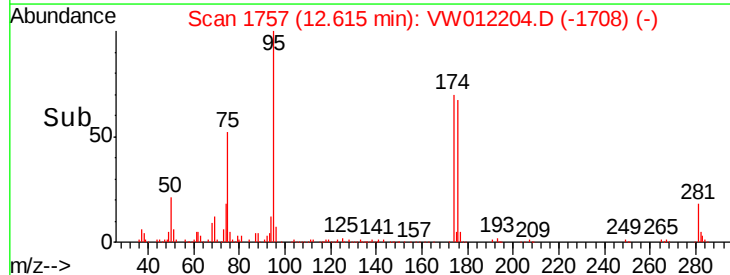
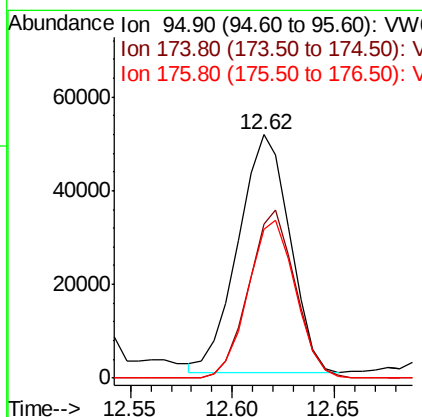
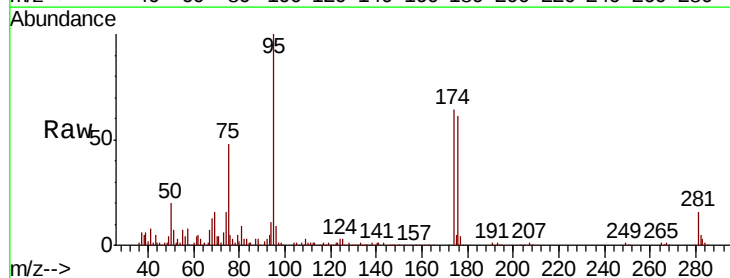
Instrument :
MSVOA_W
ClientSampled :
RO-COMP

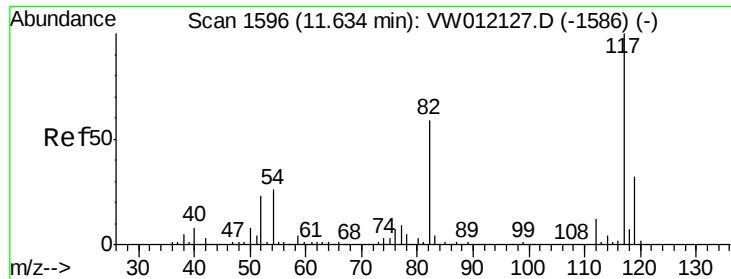
Tgt Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
58 3.4 24.3 72.9#



#62
4-Bromofluorobenzene
Concen: 34.259 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion: 95 Resp: 89748
Ion Ratio Lower Upper
95 100
174 63.4 0.0 150.8
176 61.0 0.0 148.6

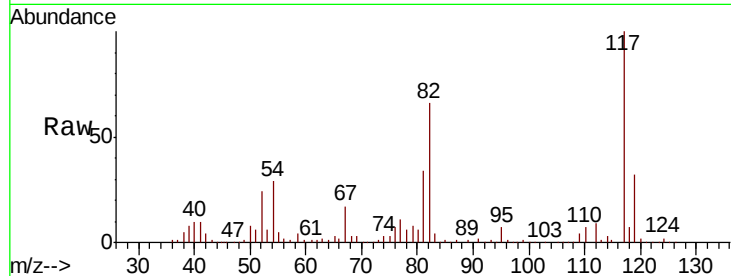




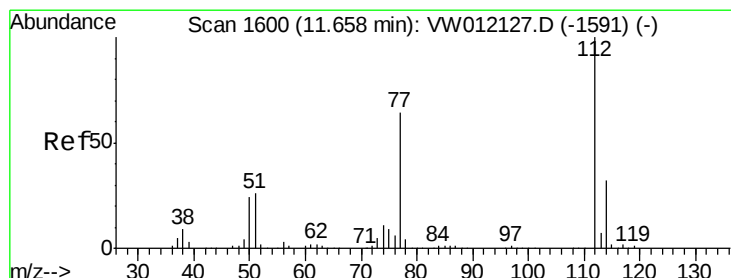
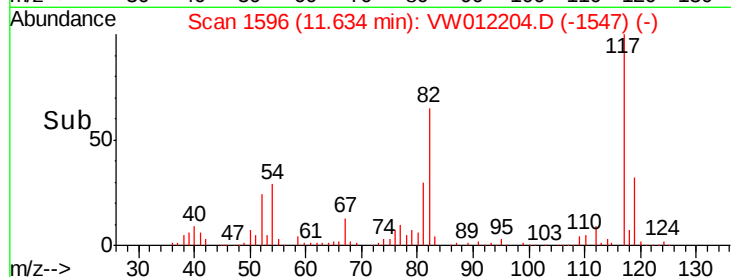
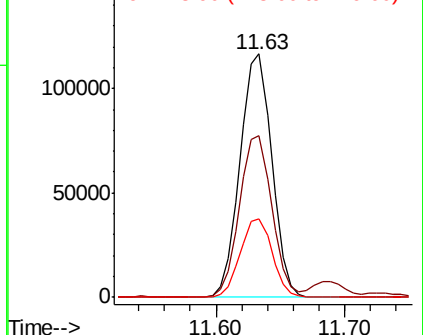
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Instrument :
MSVOA_W
ClientSampleId :
RO-COMP

Tgt Ion:117 Resp: 198963
Ion Ratio Lower Upper
117 100
82 66.2 47.4 71.2
119 32.0 25.4 38.2

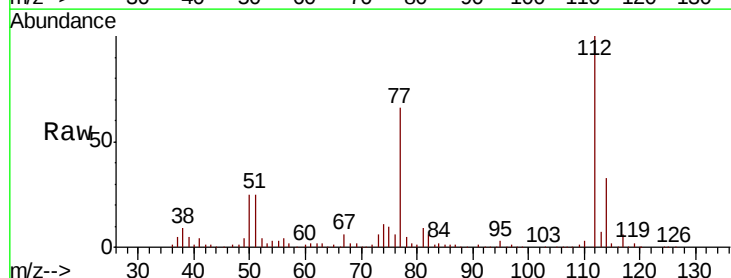


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

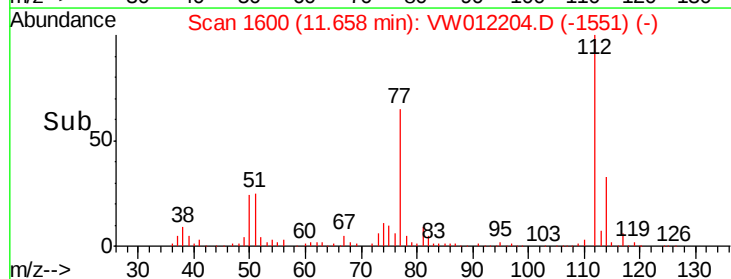
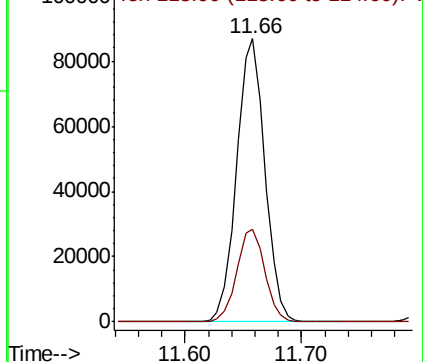


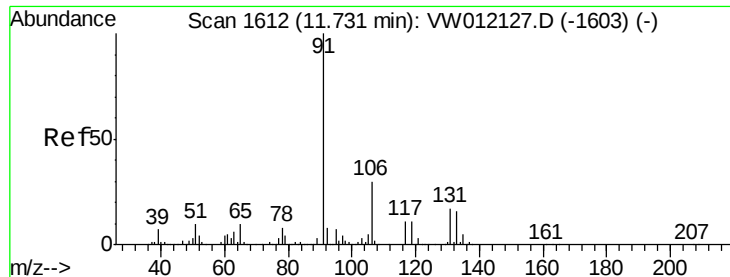
#65
Chlorobenzene
Concen: 37.571 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion:112 Resp: 147195
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 85.760 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

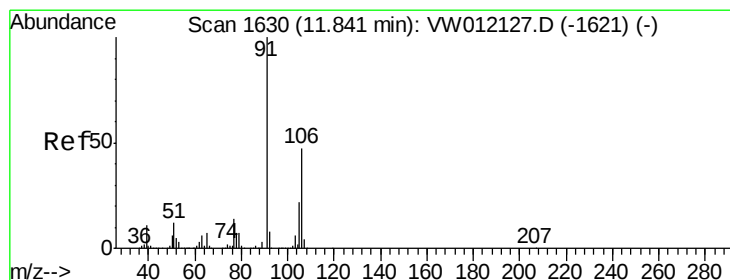
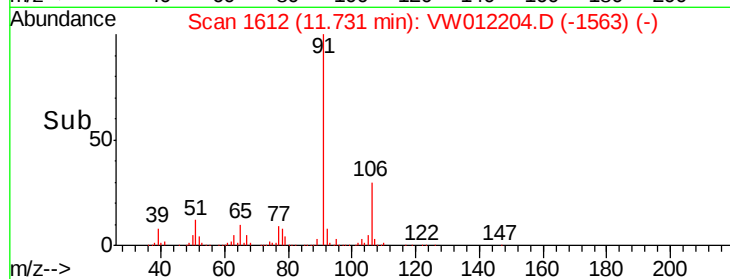
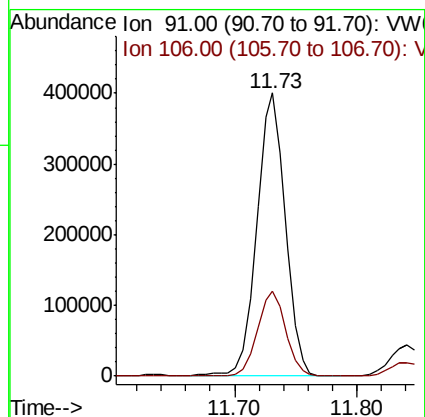
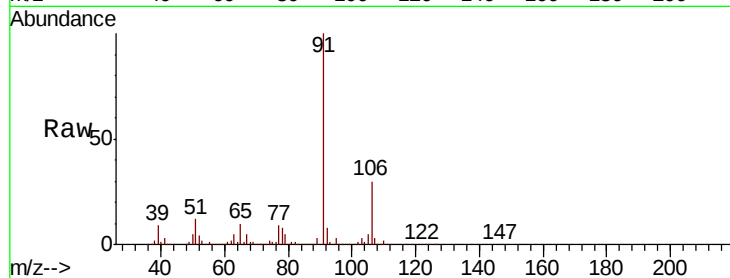
RO-COMP

Tgt Ion: 91 Resp: 647218

Ion Ratio Lower Upper

91 100

106 29.9 24.3 36.5



#68

m/p-Xylenes

Concen: 13.775 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012204.D

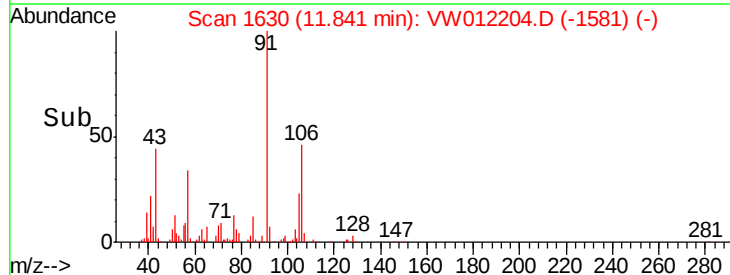
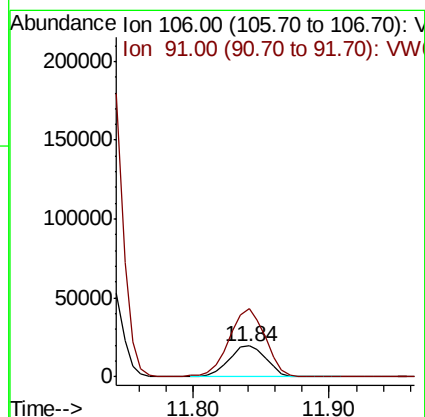
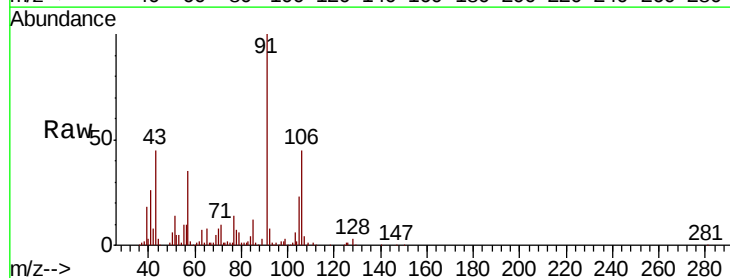
Acq: 27 Aug 2019 11:32

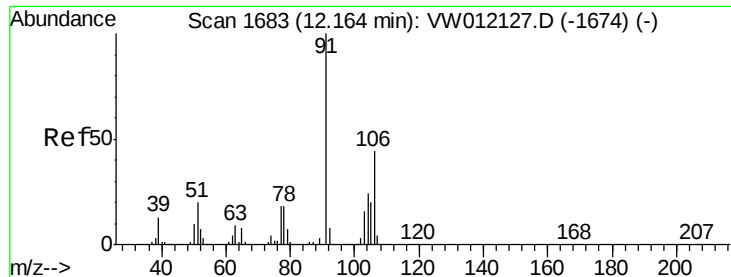
Tgt Ion: 106 Resp: 37447

Ion Ratio Lower Upper

106 100

91 209.1 169.5 254.3

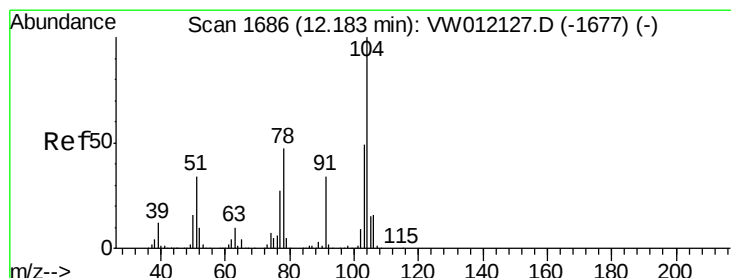
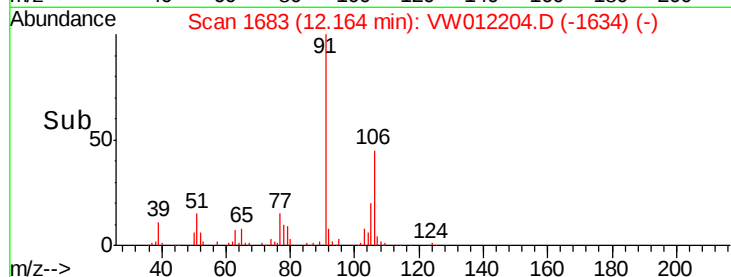
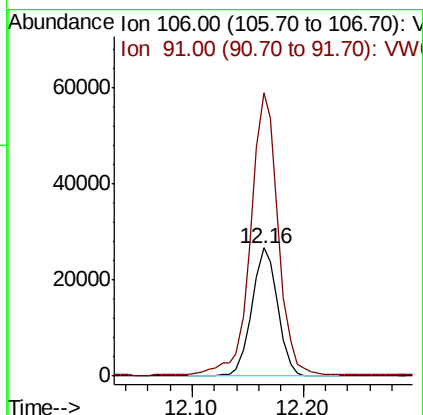
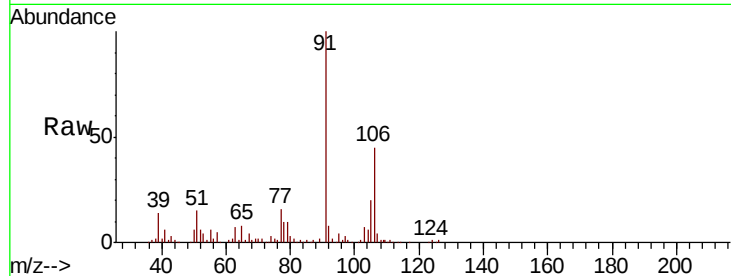




#69
o-Xylene
Concen: 17.127 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

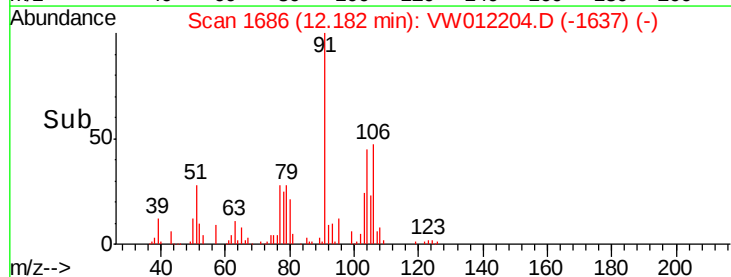
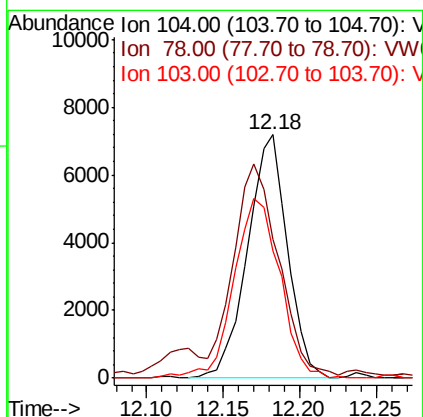
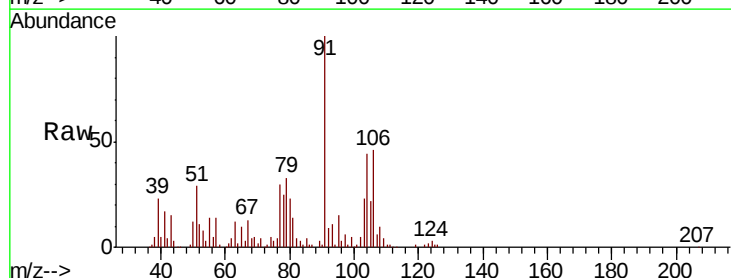
Instrument :
MSVOA_W
ClientSampleId :
RO-COMP

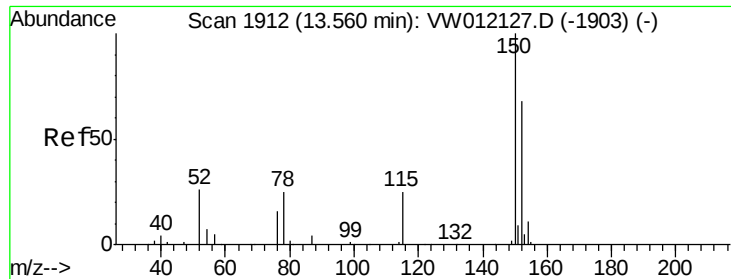
Tgt Ion:106 Resp: 43092
Ion Ratio Lower Upper
106 100
91 237.1 111.6 334.6



#70
Styrene
Concen: 2.992 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion:104 Resp: 13029
Ion Ratio Lower Upper
104 100
78 96.4 43.1 64.7#
103 85.1 43.5 65.3#



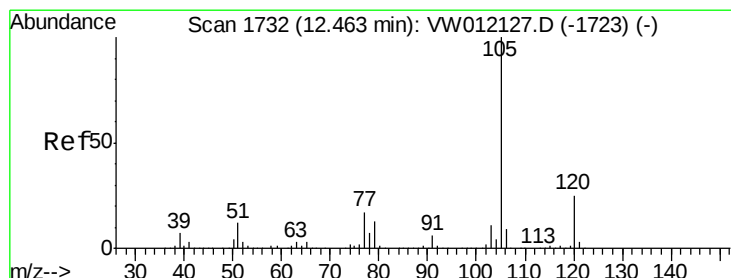
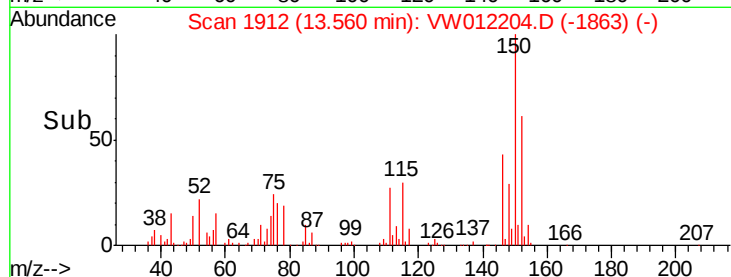
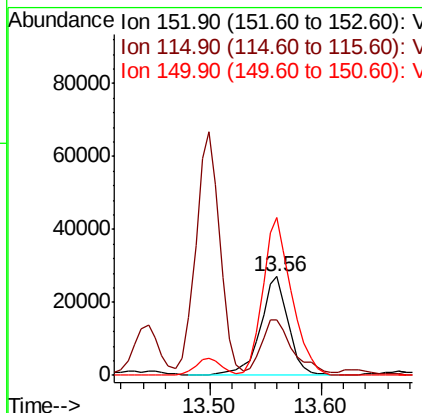
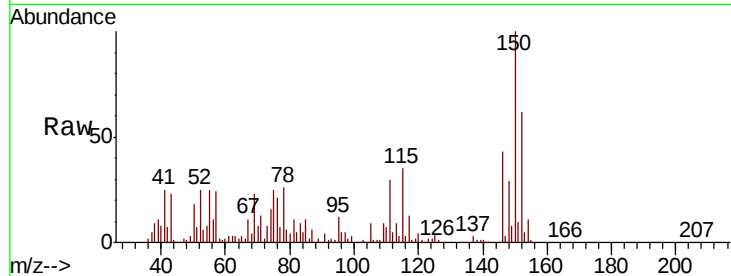


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Instrument :
MSVOA_W
ClientSampleId :
RO-COMP

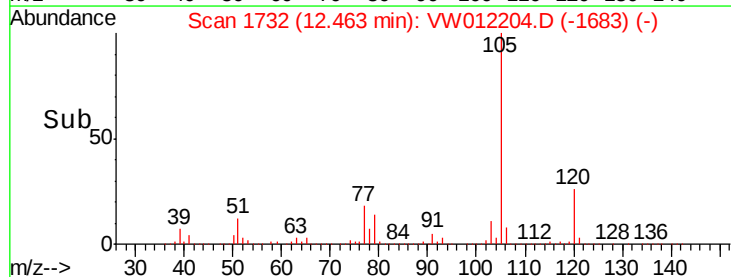
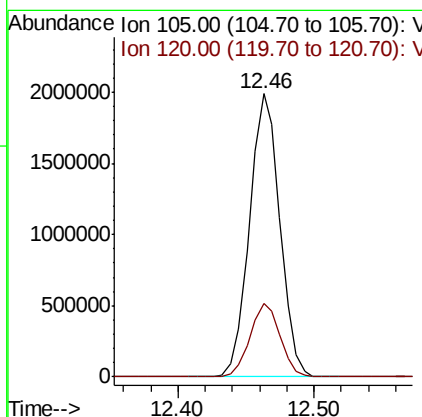
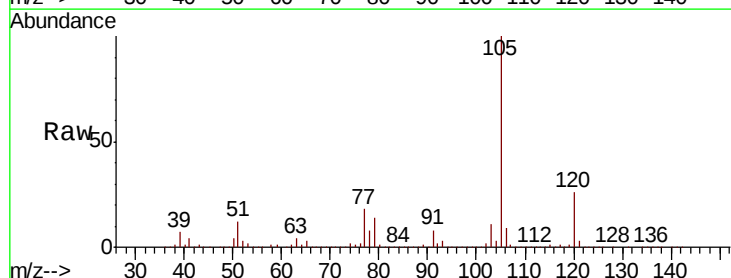
Tgt Ion:152 Resp: 47082
Ion Ratio Lower Upper
152 100
115 0.0 30.1 90.3#
150 166.4 0.0 345.8

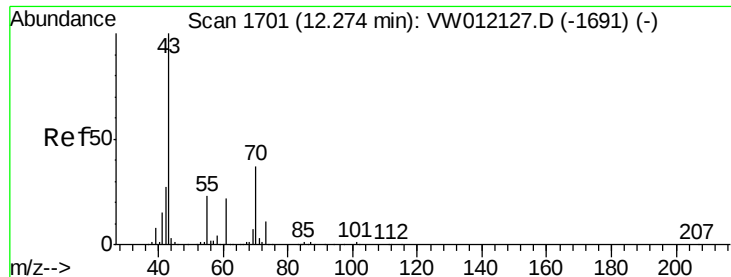


#73

Isopropylbenzene
Concen: 882.252 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion:105 Resp: 3112515
Ion Ratio Lower Upper
105 100
120 25.8 12.5 37.5





#74

N-ethyl acetate

Concen: 13.670 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

Tgt Ion: 43 Resp: 14571

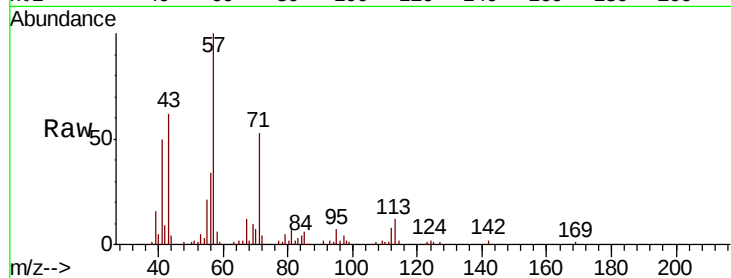
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 0.0 17.8 26.6#

61 0.0 17.3 25.9#

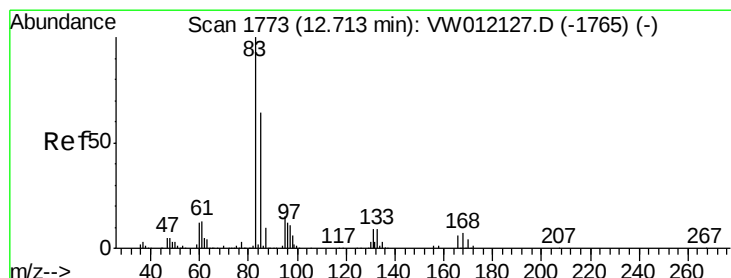
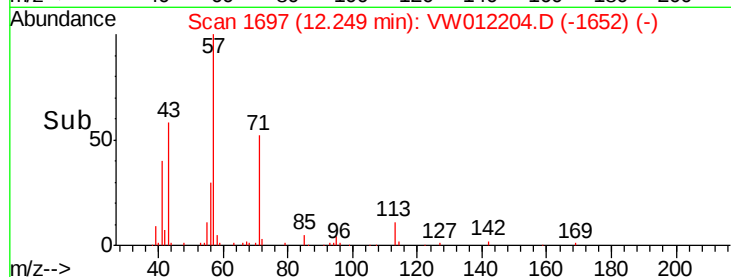
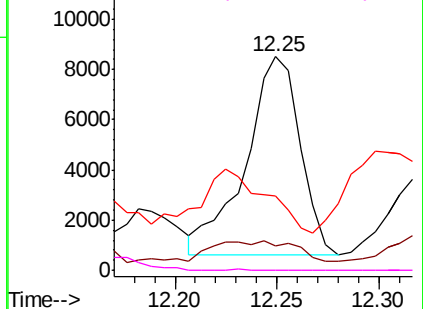


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 3.460 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

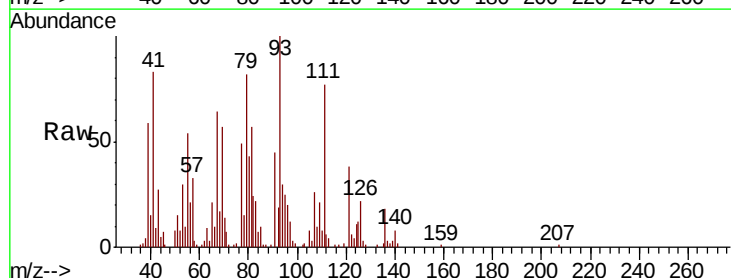
Tgt Ion: 83 Resp: 2238

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

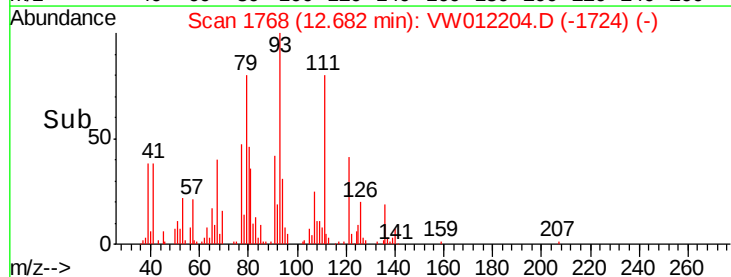
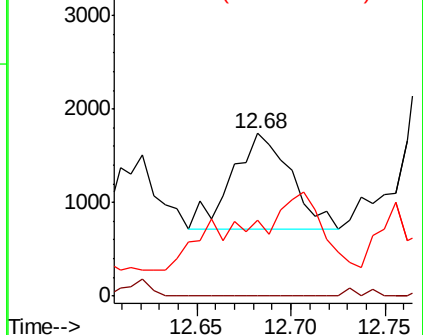
85 0.0 31.9 95.7#

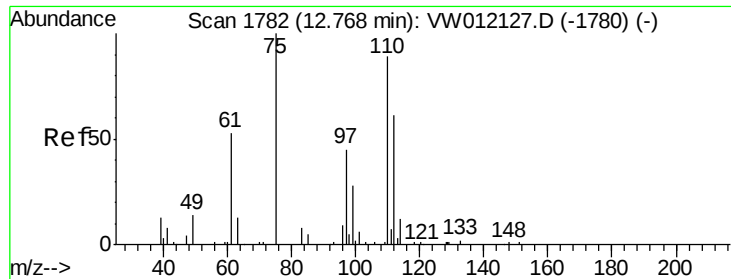


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

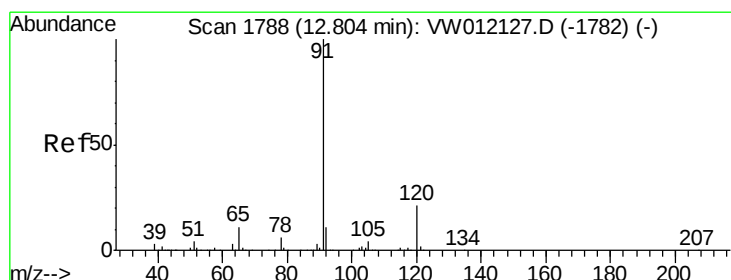
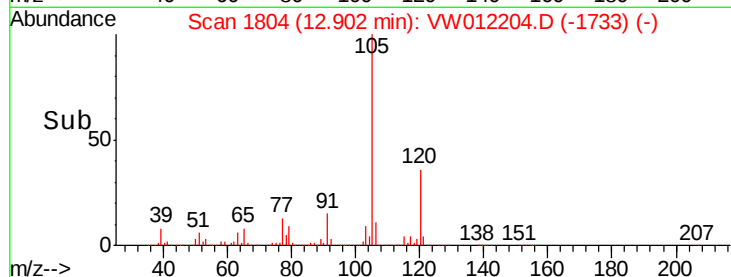
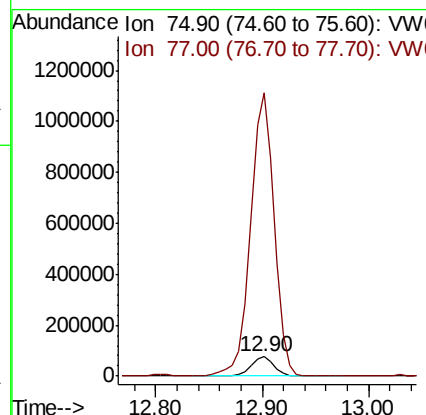
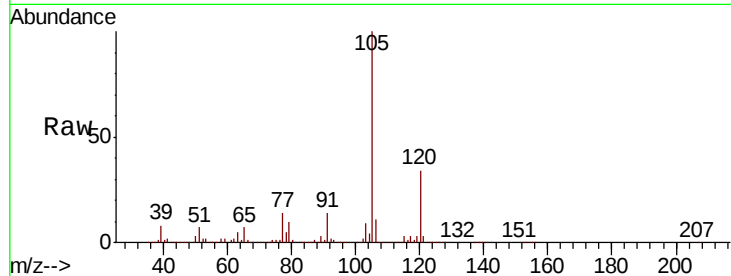




#76
 1,2,3-Trichloropropane
 Concen: 253.953 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.13 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

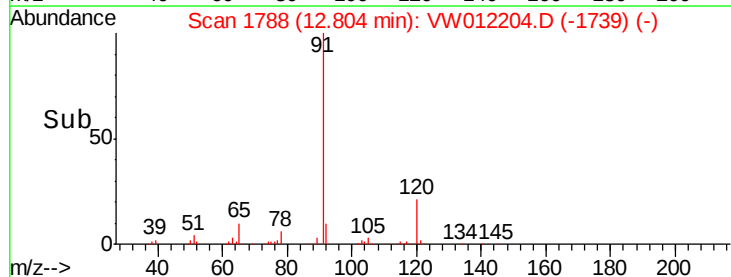
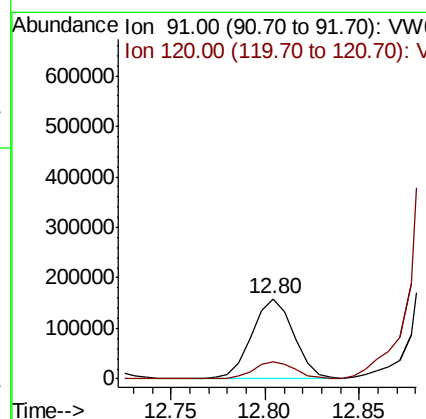
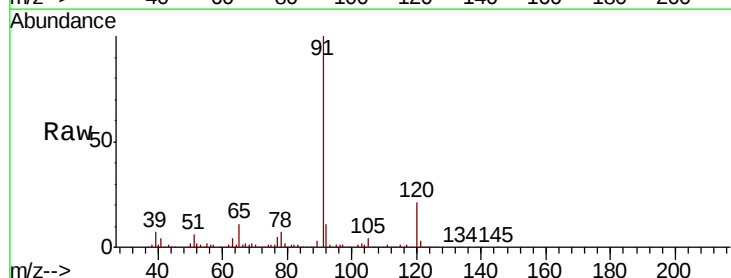
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

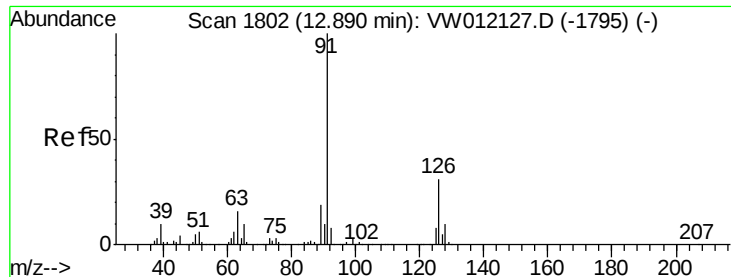
Tgt Ion: 75 Resp: 116449
 Ion Ratio Lower Upper
 75 100
 77 1483.8 0.0 0.0#



#78
 n-propylbenzene
 Concen: 56.582 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion: 91 Resp: 243693
 Ion Ratio Lower Upper
 91 100
 120 0.0 10.5 31.6#

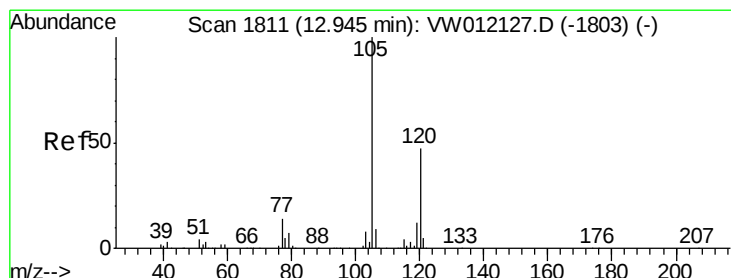
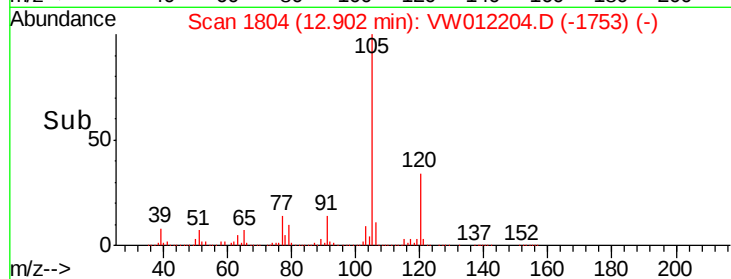
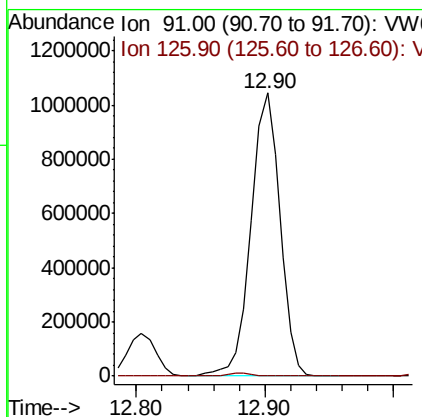
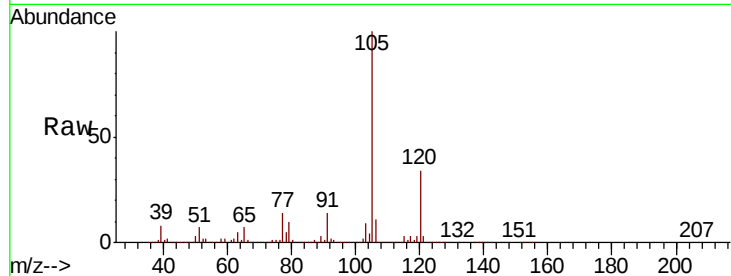




#79
2-Chlorotoluene
Concen: 660.918 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

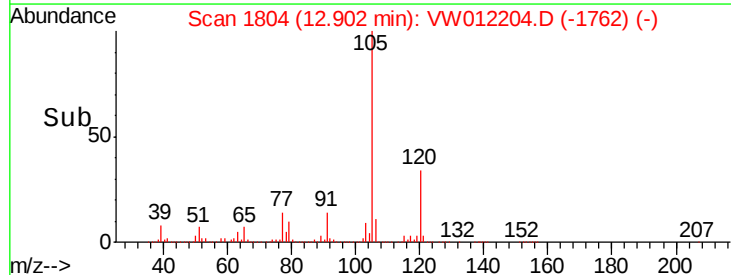
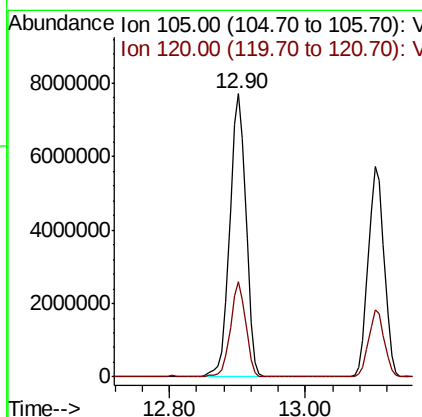
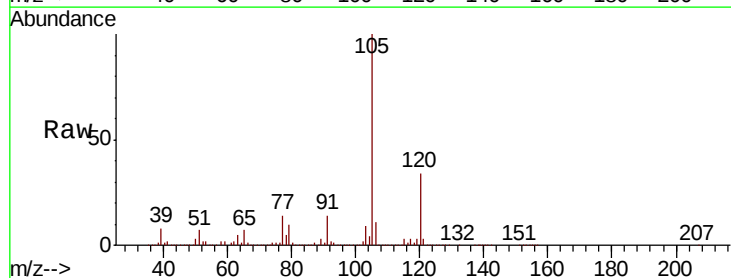
Instrument :
MSVOA_W
ClientSampleId :
RO-COMP

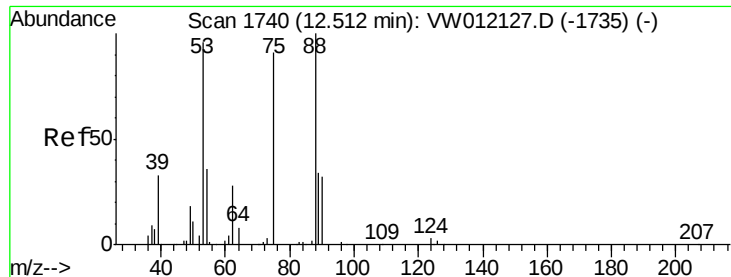
Tgt Ion: 91 Resp: 1616081
Ion Ratio Lower Upper
91 100
126 1.0 15.7 47.0#



#80
1,3,5-Trimethylbenzene
Concen: 4325.075 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. -0.04 min
Lab File: VW012204.D
Acq: 27 Aug 2019 11:32

Tgt Ion: 105 Resp: 12749996
Ion Ratio Lower Upper
105 100
120 31.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 187.421 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

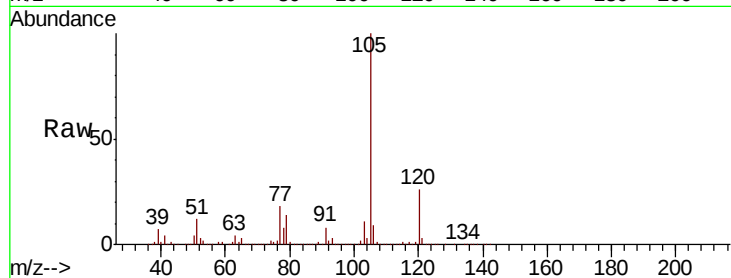
Tgt Ion: 75 Resp: 39197

Ion Ratio Lower Upper

75 100

53 145.4 89.4 134.0#

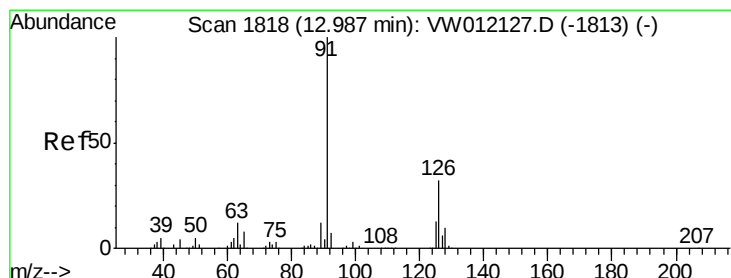
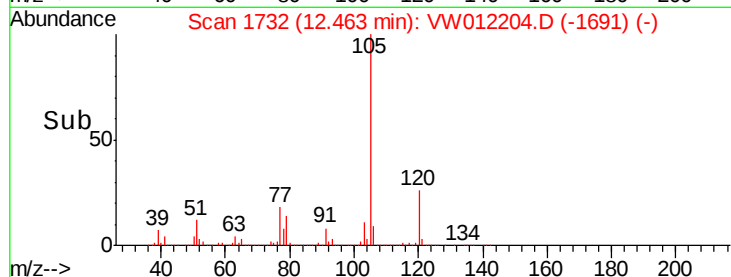
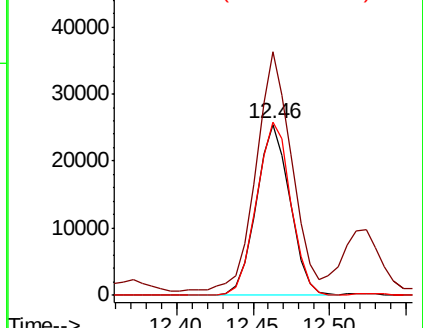
89 102.9 34.5 51.7#



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: 631.207 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.09 min

Lab File: VW012204.D

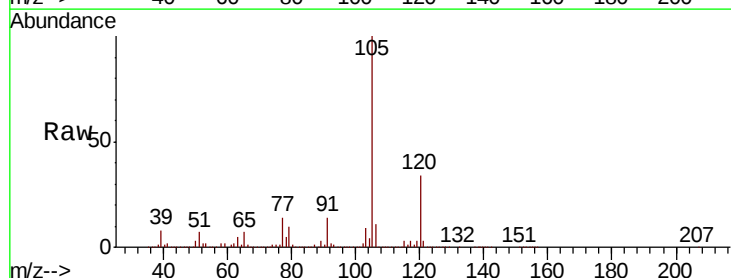
Acq: 27 Aug 2019 11:32

Tgt Ion: 91 Resp: 1616081

Ion Ratio Lower Upper

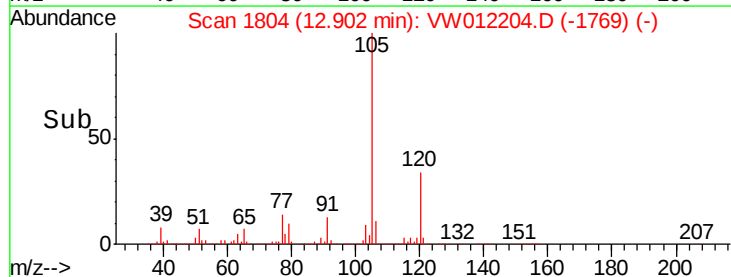
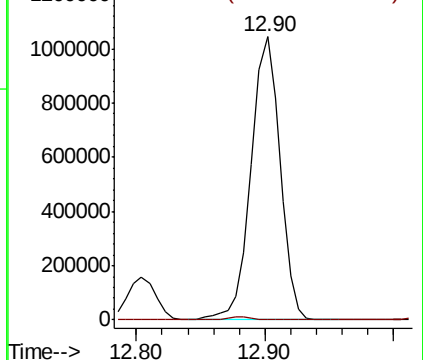
91 100

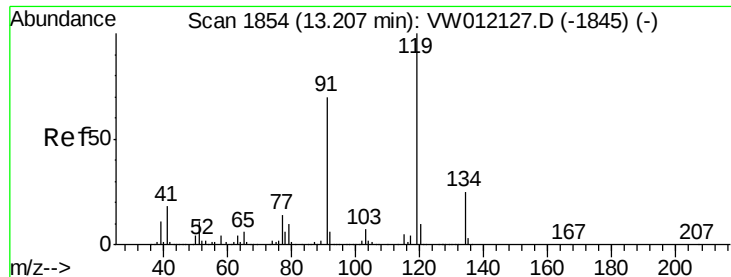
126 1.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

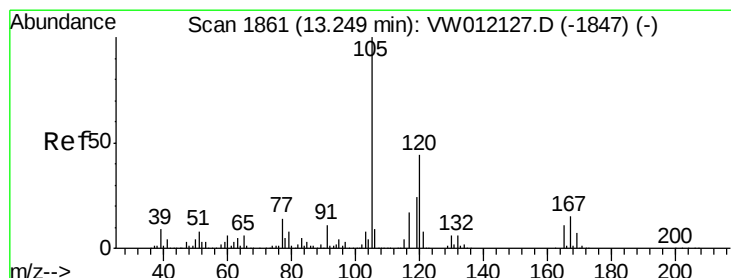
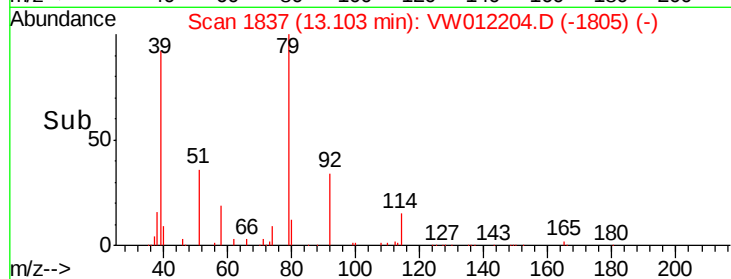
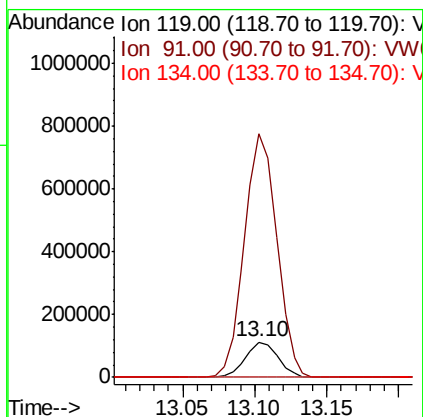
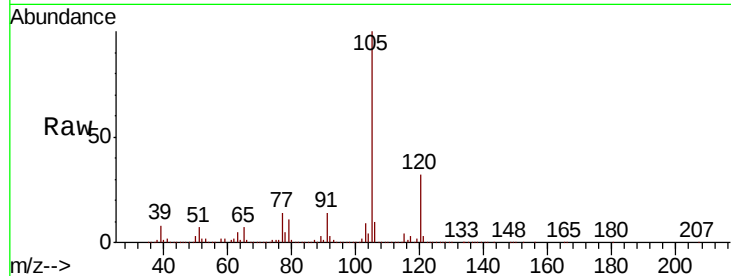




#83
 tert-Butylbenzene
 Concen: 70.065 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. -0.10 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

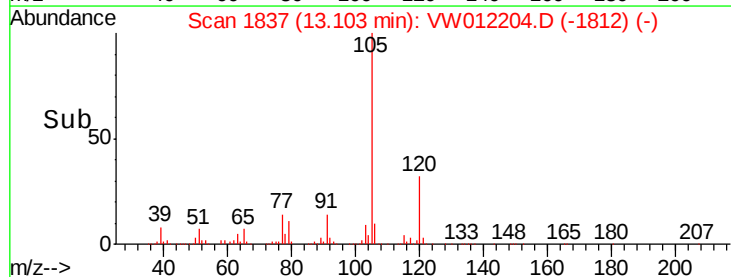
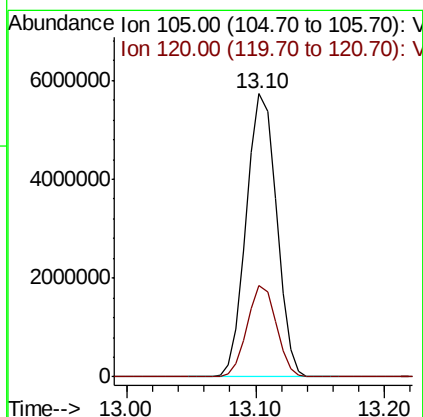
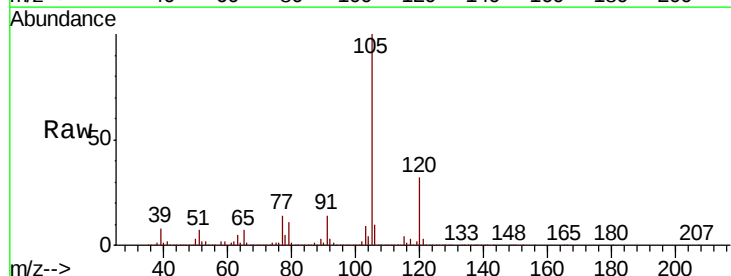
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

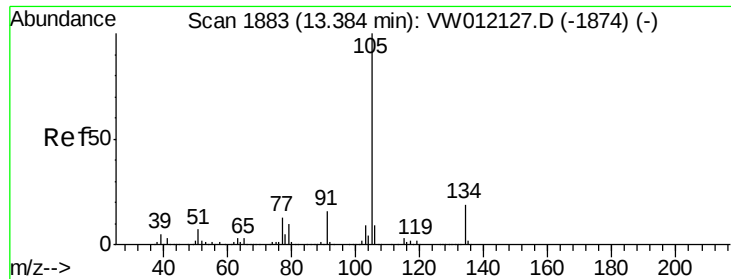
Tgt Ion:119 Resp: 174962
 Ion Ratio Lower Upper
 119 100
 91 692.5 34.8 104.3#
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 3150.849 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. -0.15 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion:105 Resp: 9330517
 Ion Ratio Lower Upper
 105 100
 120 31.0 21.9 65.7

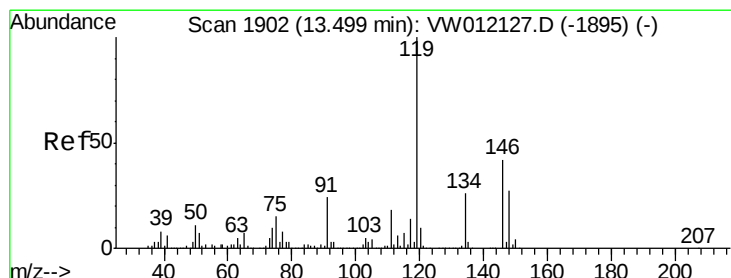
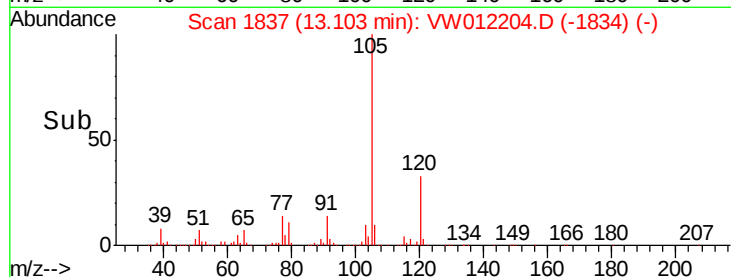
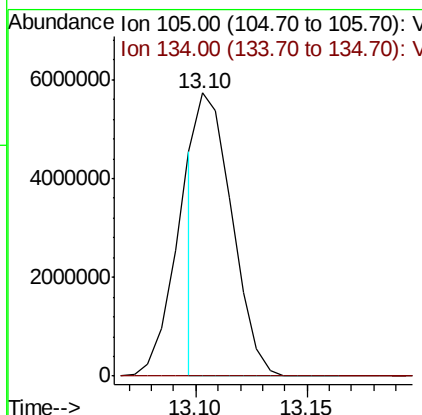
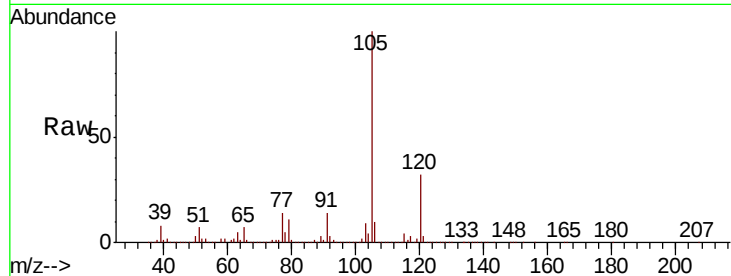




#85
 sec-Butylbenzene
 Concen: 1747.204 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. -0.28 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

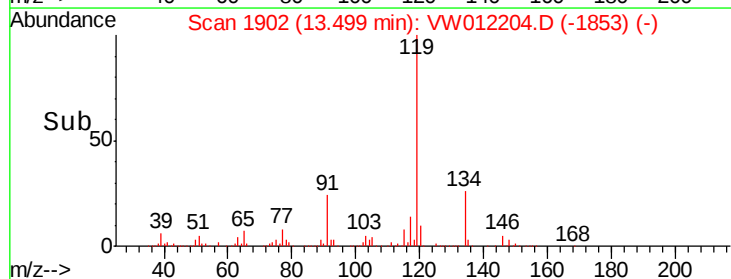
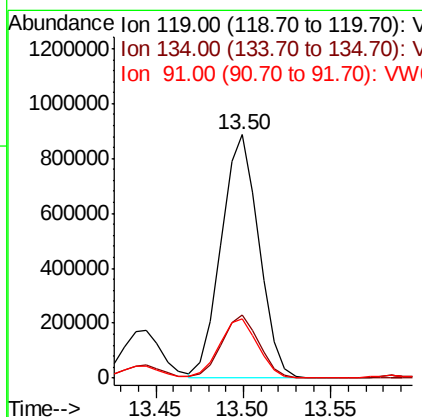
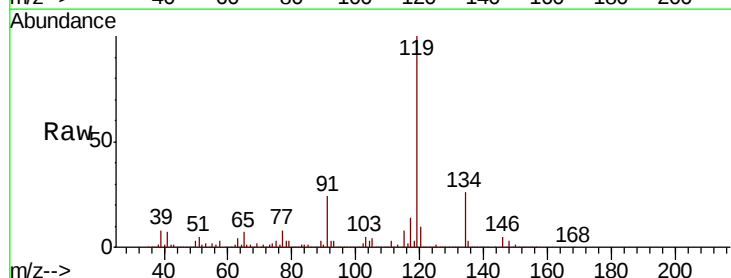
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

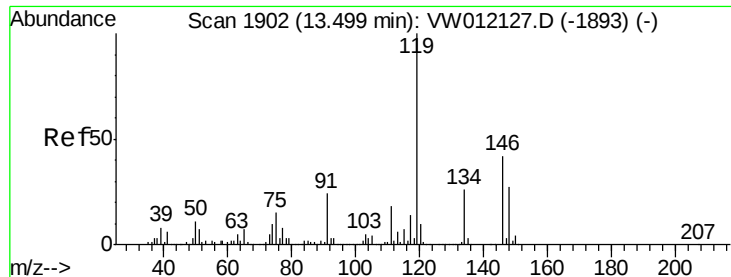
Tgt Ion:105 Resp: 6250784
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 415.605 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion:119 Resp: 1327858
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 24.4 12.3 36.9

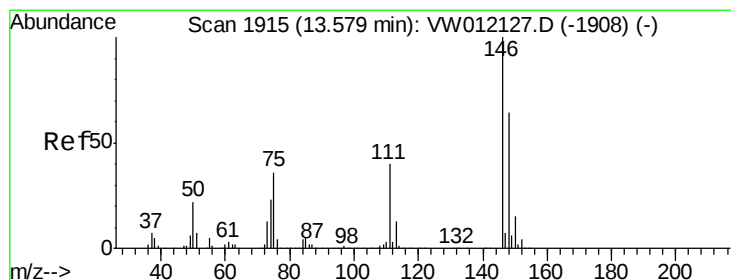
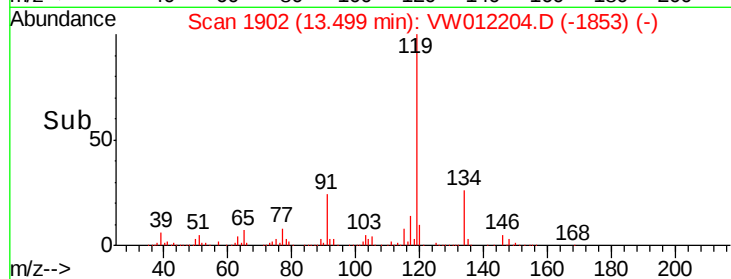
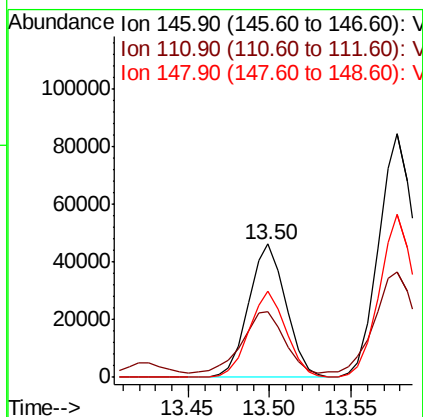
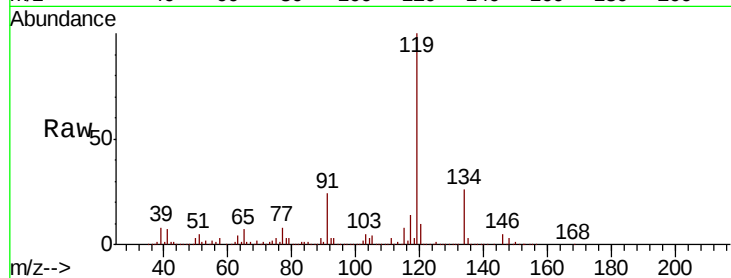




#87
 1,3-Dichlorobenzene
 Concen: 49.254 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

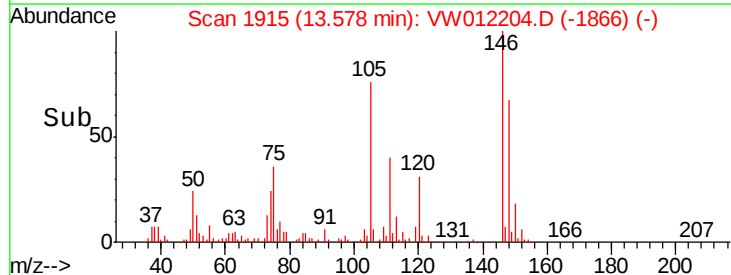
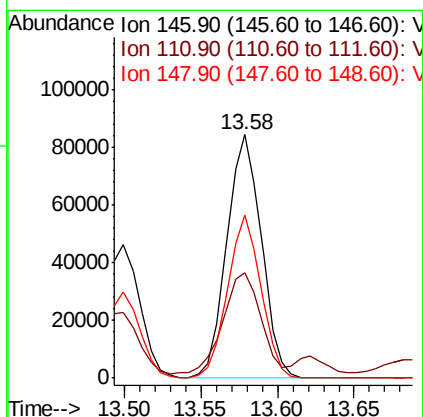
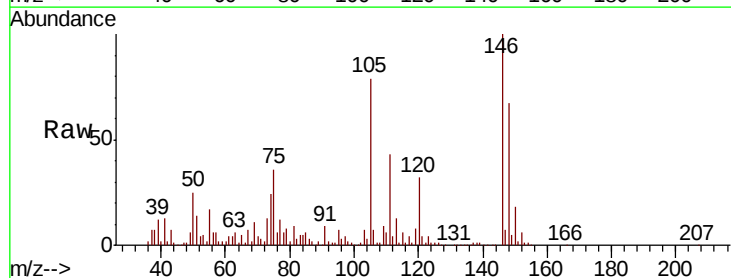
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

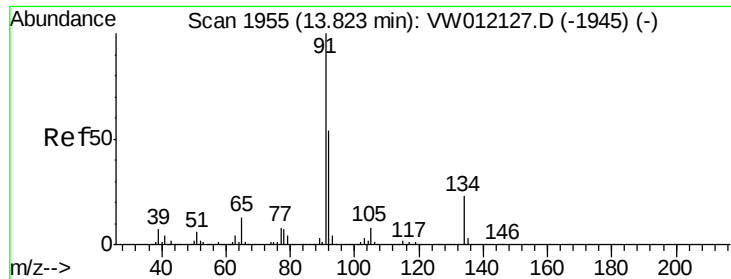
Tgt Ion:146 Resp: 73528
 Ion Ratio Lower Upper
 146 100
 111 52.5 20.9 62.7
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 89.329 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion:146 Resp: 132411
 Ion Ratio Lower Upper
 146 100
 111 45.1 20.0 60.0
 148 65.1 32.1 96.3





#89

n-Butylbenzene

Concen: 15.621 ug/l

RT: 13.88 min Scan# 1965

Delta R.T. 0.06 min

Lab File: VW012204.D

Acq: 27 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

RO-COMP

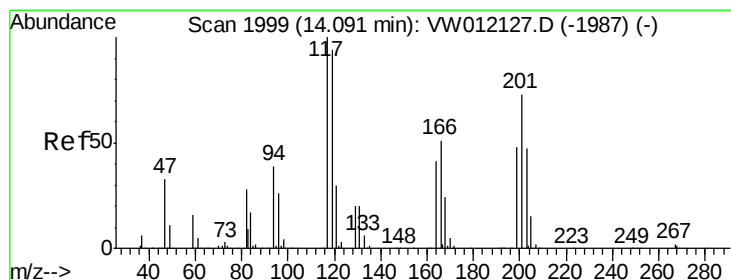
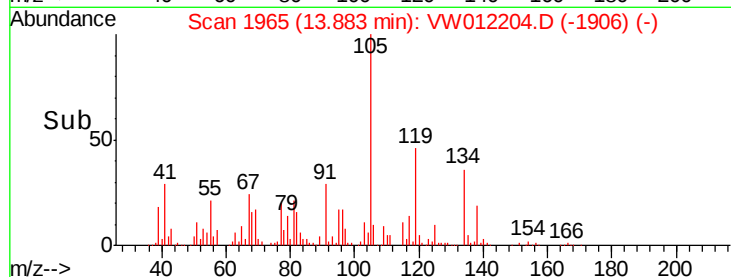
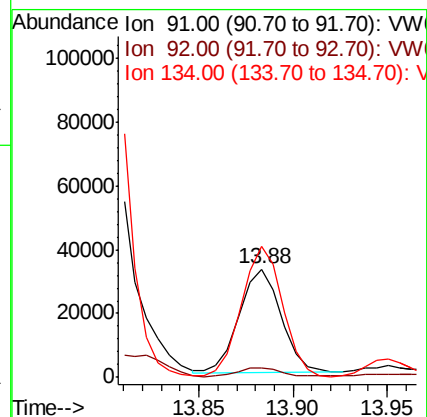
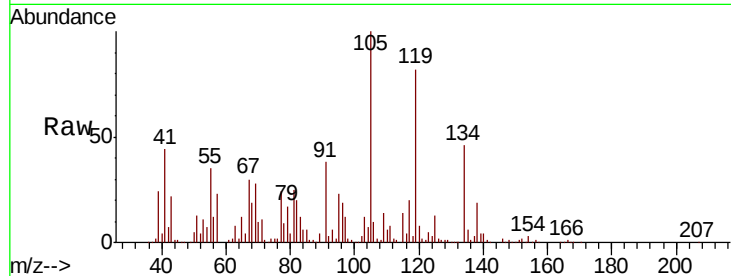
Tgt Ion: 91 Resp: 49633

Ion Ratio Lower Upper

91 100

92 8.5 27.1 81.2#

134 124.2 12.2 36.4#



#90

Hexachloroethane

Concen: 604.692 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012204.D

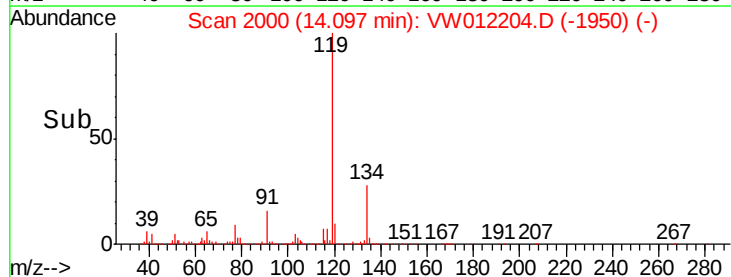
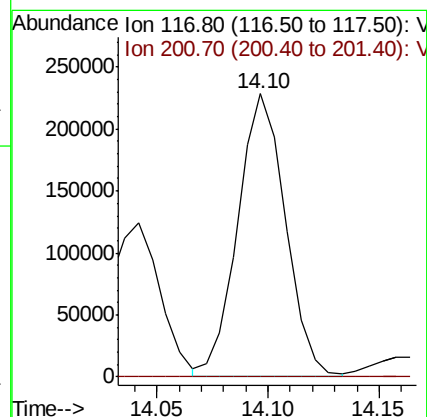
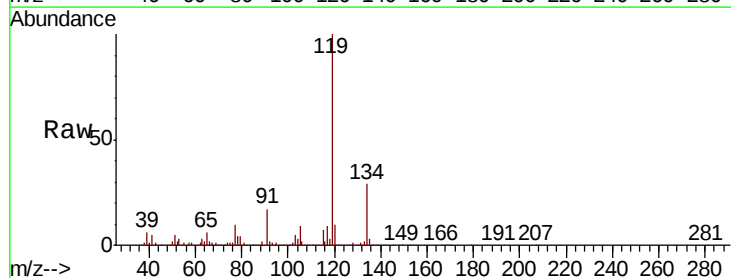
Acq: 27 Aug 2019 11:32

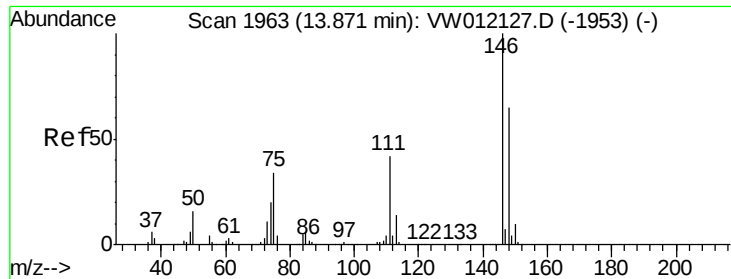
Tgt Ion: 117 Resp: 338961

Ion Ratio Lower Upper

117 100

201 0.0 38.6 115.7#

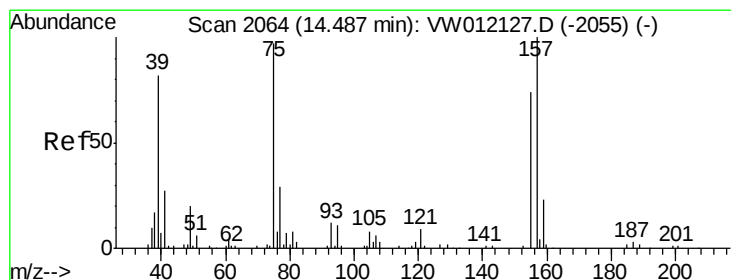
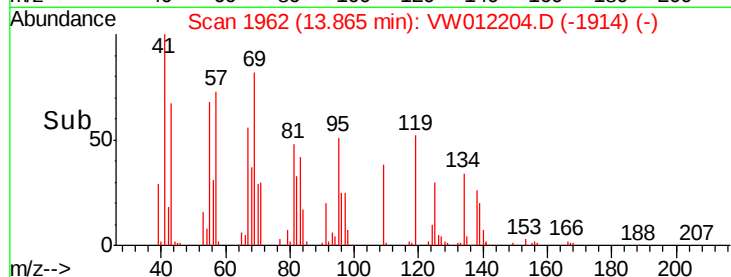
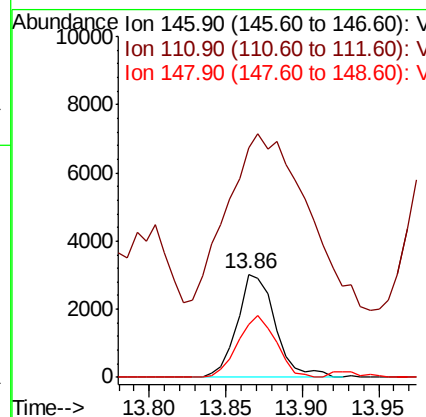
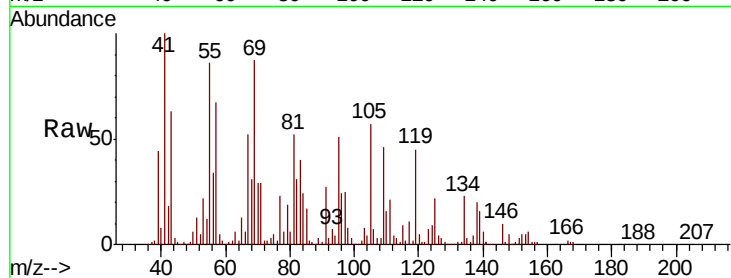




#91
 1,2-Dichlorobenzene
 Concen: 4.010 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

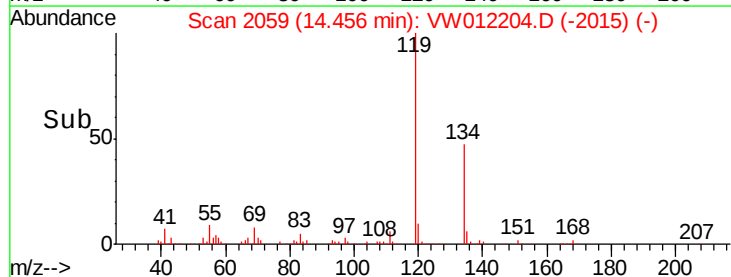
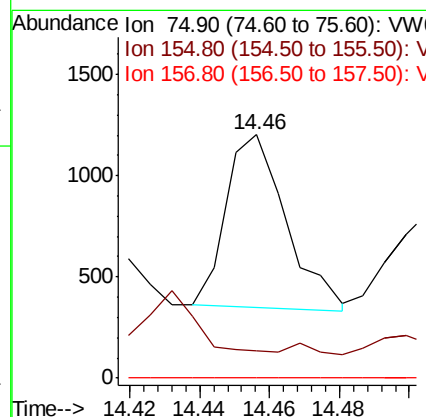
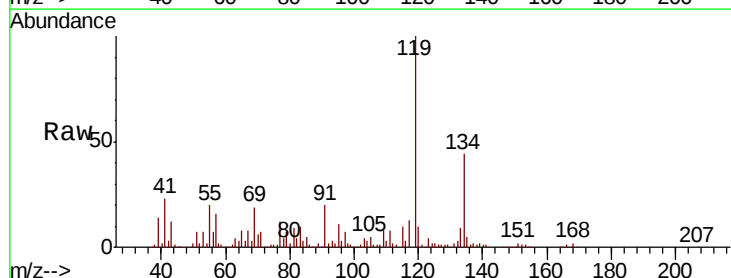
Instrument :
 MSVOA_W
 ClientSampled :
 RO-COMP

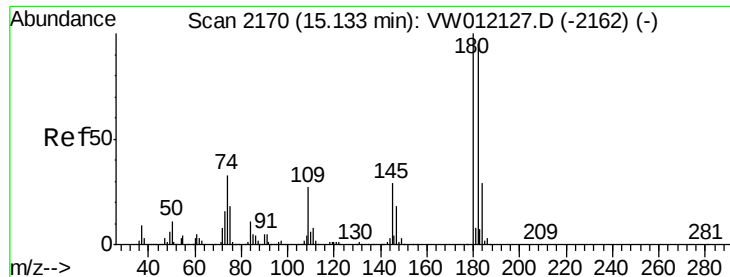
Tgt Ion: 146 Resp: 5252
 Ion Ratio Lower Upper
 146 100
 111 406.0 21.2 63.6#
 148 59.4 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.327 ug/l
 RT: 14.46 min Scan# 2059
 Delta R.T. -0.03 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion: 75 Resp: 1017
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.5 112.3#
 157 0.0 50.5 151.5#

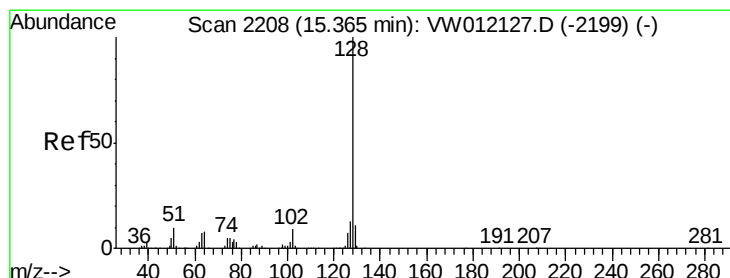
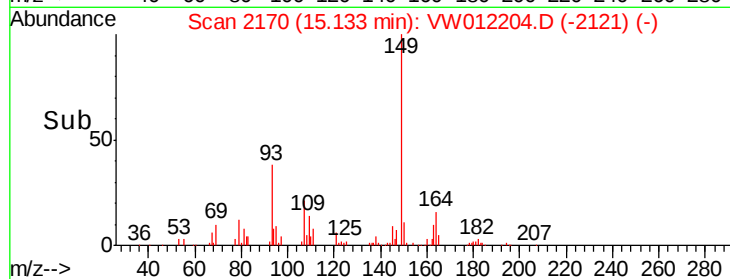
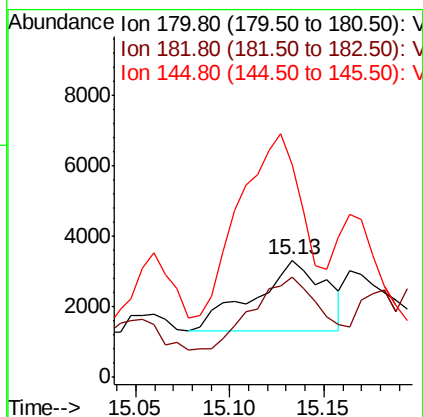
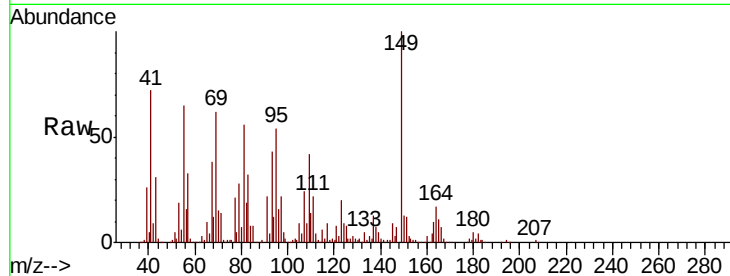




#93
 1,2,4-Trichlorobenzene
 Concen: 5.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

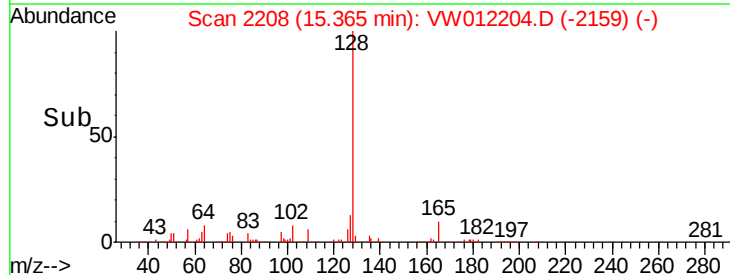
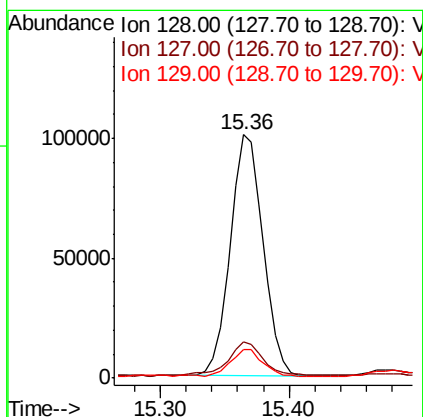
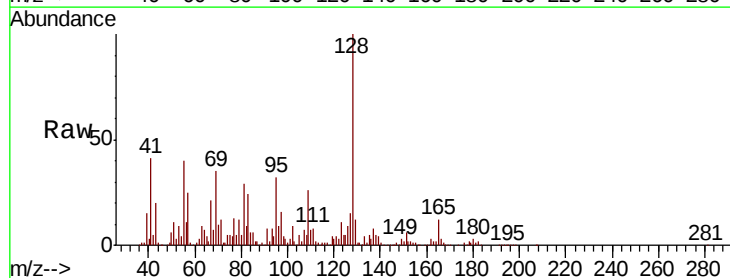
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

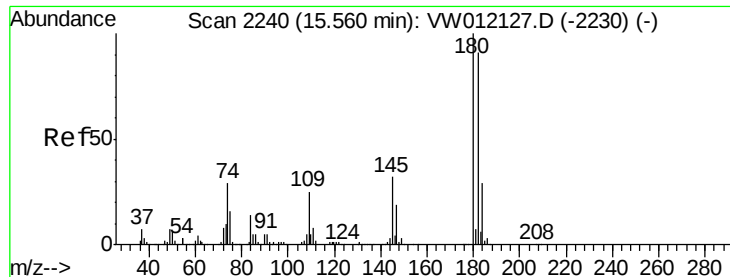
Tgt Ion:180 Resp: 5314
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.4
 145 329.6 15.0 45.1#



#95
 Naphthalene
 Concen: 96.176 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Tgt Ion:128 Resp: 178558
 Ion Ratio Lower Upper
 128 100
 127 15.6 10.7 16.1
 129 11.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 8.494 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW012204.D
 Acq: 27 Aug 2019 11:32

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-COMP

Tgt Ion:180 Resp: 6707
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.1 141.3#
 145 0.0 16.2 48.5#

