

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011682.D
 Acq On : 03 Aug 2019 23:59
 Operator : SY/VA
 Sample : VW0804SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

Quant Time: Aug 04 03:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134095	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
35) Dibromofluoromethane	7.88	113	108332	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	10.32	98	439454	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	155115	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	31143	25.535	ug/l	97
3) Chloromethane	2.21	50	48130	22.758	ug/l	98
4) Vinyl Chloride	2.35	62	57056	22.409	ug/l	99
5) Bromomethane	2.75	94	26845	19.048	ug/l	100
6) Chloroethane	2.90	64	30713	21.117	ug/l	99
7) Trichlorofluoromethane	3.24	101	22731	19.976	ug/l	92
8) Diethyl Ether	3.68	74	29109	22.562	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47400	21.959	ug/l	99
10) Methyl Iodide	4.26	142	66137	21.681	ug/l	99
11) Tert butyl alcohol	5.18	59	24453	122.783	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	49611	21.768	ug/l	97
13) Acrolein	3.89	56	11345	62.920	ug/l	95
14) Allyl chloride	4.66	41	107157	22.106	ug/l	99
15) Acrylonitrile	5.36	53	70836	109.987	ug/l	100
16) Acetone	4.12	43	60540	75.737	ug/l	95
17) Carbon Disulfide	4.37	76	147530	20.682	ug/l	100
18) Methyl Acetate	4.67	43	52218	29.079	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	81889	22.642	ug/l	99
20) Methylene Chloride	4.91	84	59588	21.615	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	56535	23.008	ug/l	100
22) Diisopropyl ether	6.31	45	214902	23.514	ug/l	98
23) Vinyl Acetate	6.25	43	587318	102.272	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114627	23.419	ug/l	100
25) 2-Butanone	7.17	43	100643	96.220	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55649	18.487	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	61789	22.848	ug/l	99
28) Bromochloromethane	7.51	49	50008	23.018	ug/l	100
29) Tetrahydrofuran	7.53	42	66805	111.736	ug/l	99
30) Chloroform	7.67	83	105998	23.473	ug/l	95
31) Cyclohexane	7.95	56	101403	21.582	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	78766	22.904	ug/l	98
36) 1,1-Dichloropropene	8.08	75	85113	22.358	ug/l	99
37) Ethyl Acetate	7.25	43	46630	21.291	ug/l	99
38) Carbon Tetrachloride	8.06	117	70869	21.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89204	21.281	ug/l	99
40) Benzene	8.32	78	243986	22.881	ug/l	100
41) Methacrylonitrile	7.48	41	27646	21.116	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77633	23.254	ug/l	100
43) Isopropyl Acetate	8.42	43	86352	21.439	ug/l	98
44) Trichloroethene	9.09	130	57093	22.277	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65452	22.941	ug/l	99
46) Dibromomethane	9.46	93	29382	22.563	ug/l	98
47) Bromodichloromethane	9.64	83	74859	21.915	ug/l	98
48) Methyl methacrylate	9.43	41	41809	21.609	ug/l	97
49) 1,4-Dioxane	9.46	88	7867	417.235	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	227663	108.665	ug/l	99
52) Toluene	10.38	92	146686	22.779	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73443	20.582	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89861	21.181	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	41108	22.249	ug/l	97
56) Ethyl methacrylate	10.65	69	59144	21.875	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77626	22.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	149301	121.622	ug/l	99
59) 2-Hexanone	10.97	43	148870	100.637	ug/l	100
60) Dibromochloromethane	11.13	129	44685	21.788	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38328	21.921	ug/l	100
64) Tetrachloroethene	10.86	164	49822	23.514	ug/l	96
65) Chlorobenzene	11.66	112	147196	22.499	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	50354	22.096	ug/l	99
67) Ethyl Benzene	11.73	91	278024	22.313	ug/l	99
68) m/p-Xylenes	11.84	106	201466	44.460	ug/l	99
69) o-Xylene	12.16	106	92495	21.966	ug/l	96
70) Styrene	12.18	104	164814	22.637	ug/l	99
71) Bromoform	12.35	173	24512	21.096	ug/l #	98
73) Isopropylbenzene	12.46	105	260204	22.189	ug/l	99
74) N-amyl acetate	12.27	43	74397	20.264	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48823	22.134	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	41114m	24.719	ug/l	
77) Bromobenzene	12.75	156	58187	22.449	ug/l	99
78) n-propylbenzene	12.80	91	317087	22.218	ug/l	100
79) 2-Chlorotoluene	12.89	91	184085	22.390	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	222327	22.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	13510	18.720	ug/l	92
82) 4-Chlorotoluene	12.99	91	196142	22.737	ug/l	99
83) tert-Butylbenzene	13.21	119	184662	22.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	223969	22.618	ug/l	98
85) sec-Butylbenzene	13.38	105	259134	22.093	ug/l	100
86) p-Isopropyltoluene	13.50	119	235234	22.104	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113613	22.355	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	111881	22.130	ug/l	99
89) n-Butylbenzene	13.82	91	227966	21.465	ug/l	99
90) Hexachloroethane	14.09	117	39624	21.056	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	100586	22.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8389	22.302	ug/l	92

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

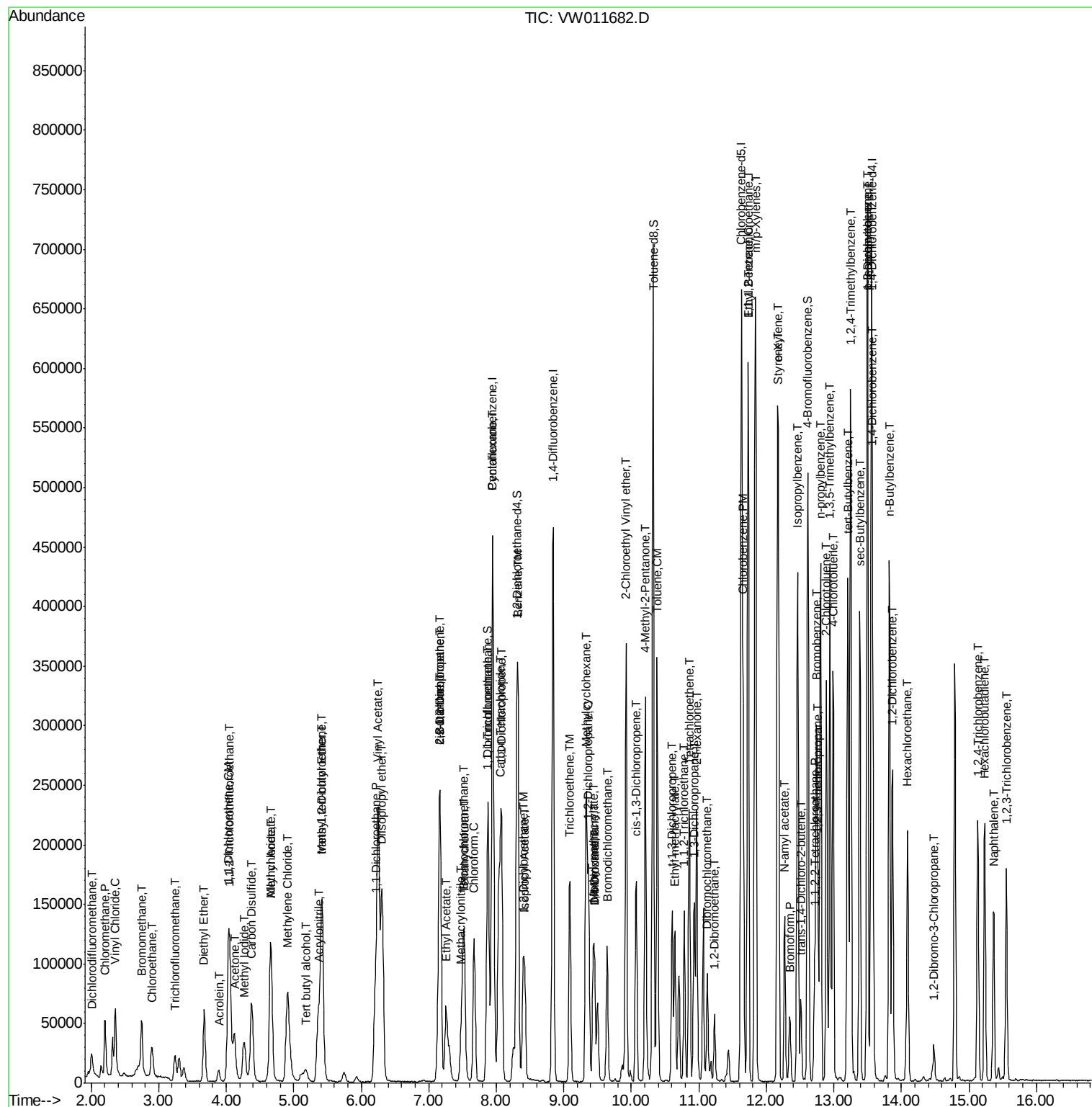
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67703	21.371	ug/l	99
94) Hexachlorobutadiene	15.24	225	42059	21.289	ug/l	98
95) Naphthalene	15.36	128	117839	20.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58945	21.227	ug/l	99

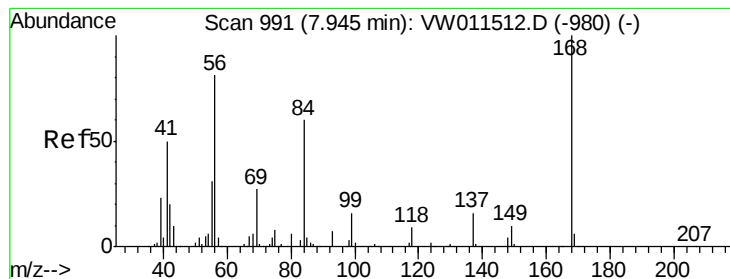
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

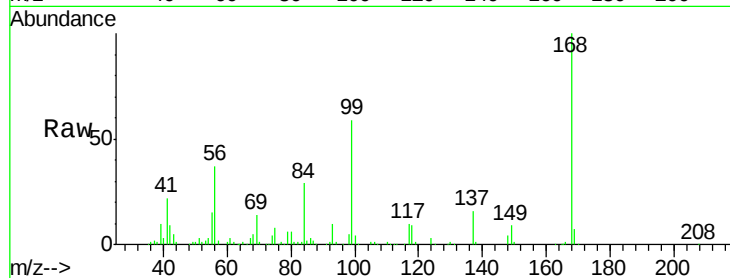
VW0804SBS02

Tot Ion:168 Resp: 218840

Ion Ratio Lower Upper

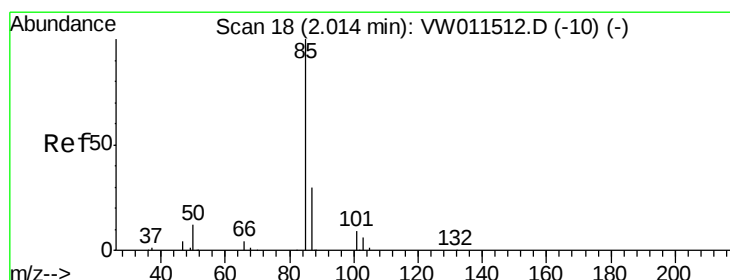
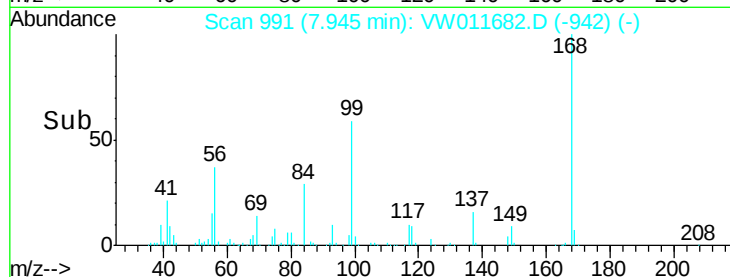
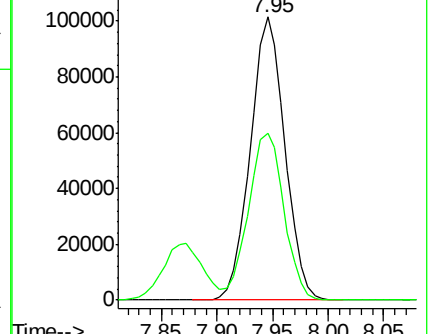
168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 25.535 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011682.D

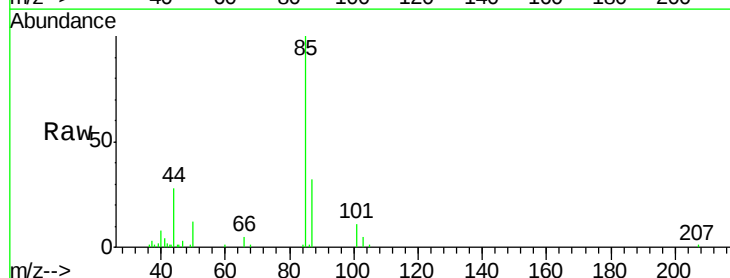
Acq: 03 Aug 2019 23:59

Tgt Ion: 85 Resp: 31143

Ion Ratio Lower Upper

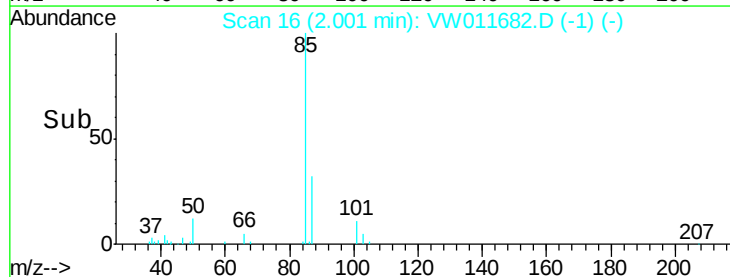
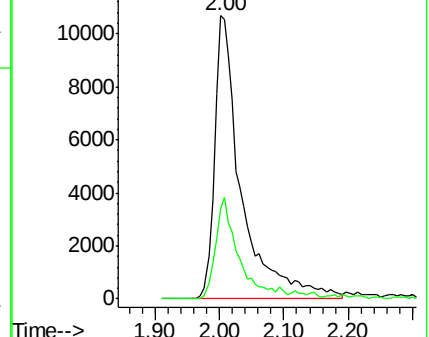
85 100

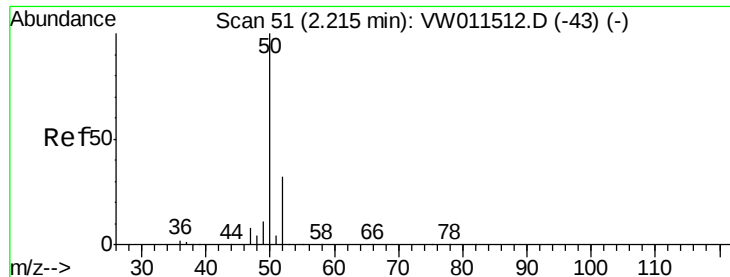
87 32.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.758 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

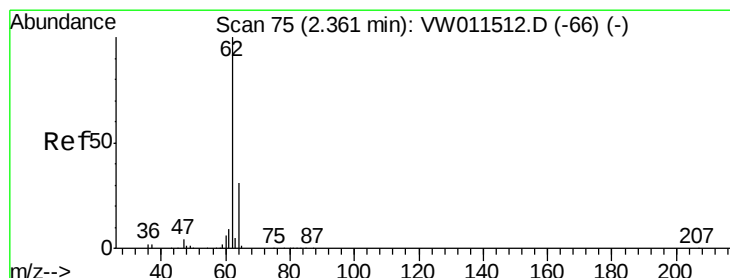
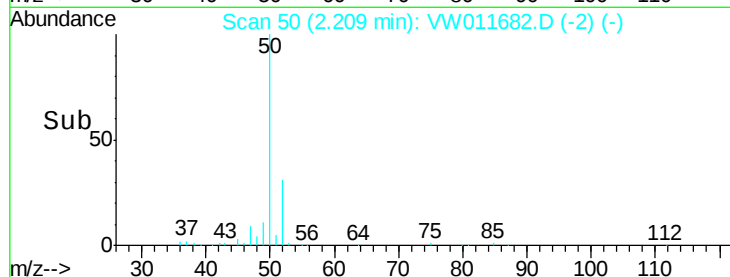
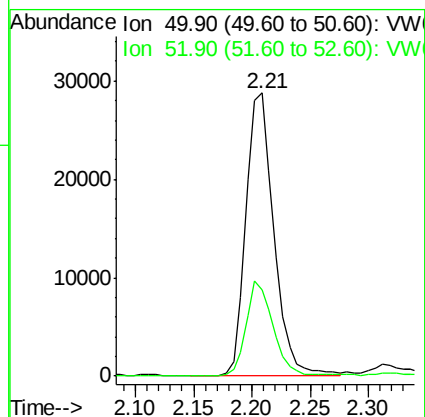
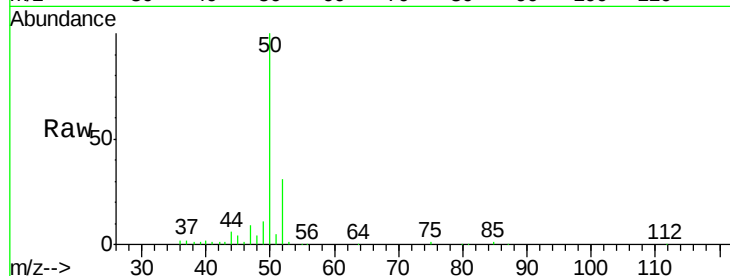
VW0804SBS02

Tot Ion: 50 Resp: 48130

Ion Ratio Lower Upper

50 100

52 30.7 25.4 38.2



#4

Vinyl Chloride

Concen: 22.409 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011682.D

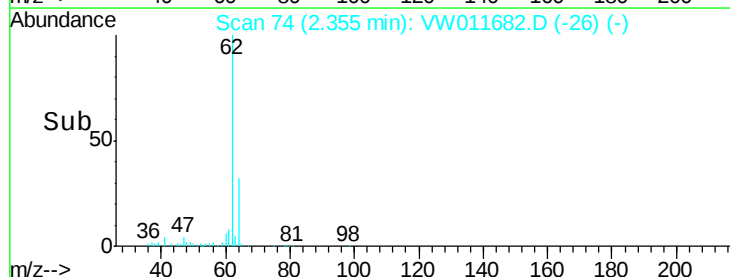
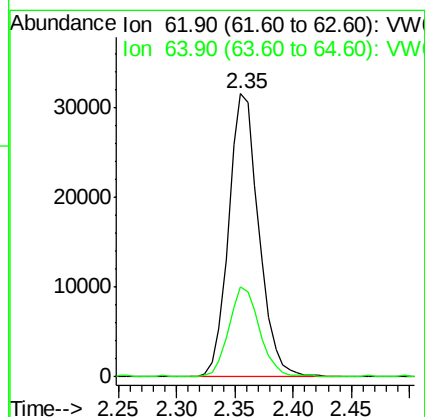
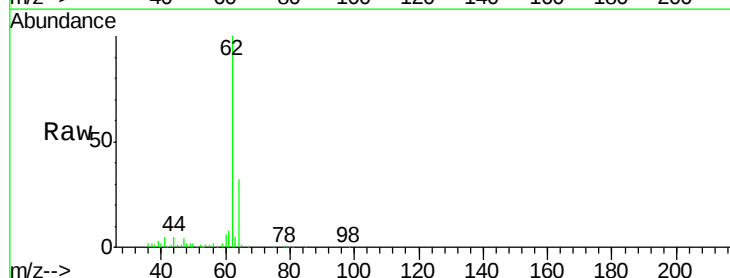
Acq: 03 Aug 2019 23:59

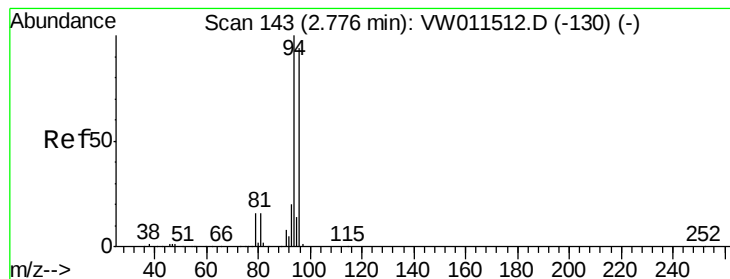
Tgt Ion: 62 Resp: 57056

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 19.048 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

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ClientSampleId :

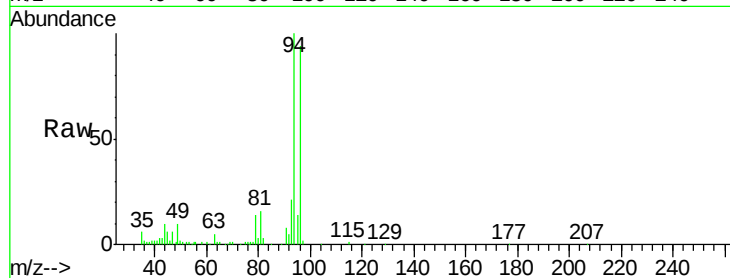
VW0804SBS02

Tot Ion: 94 Resp: 26845

Ion Ratio Lower Upper

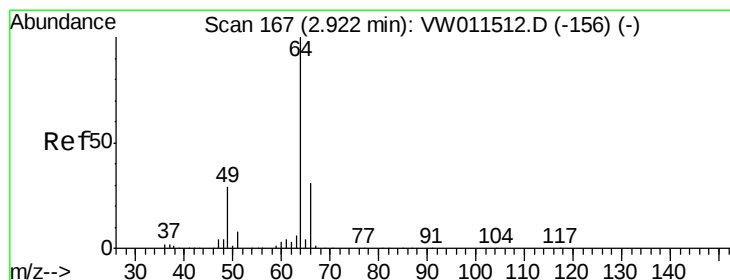
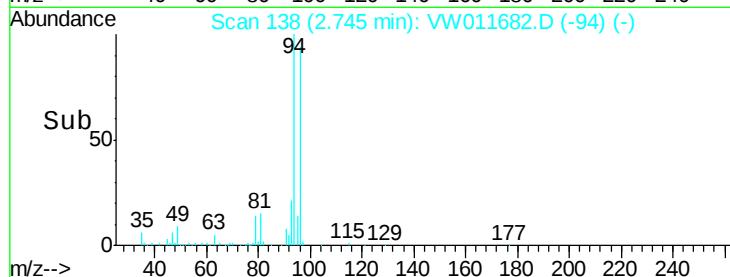
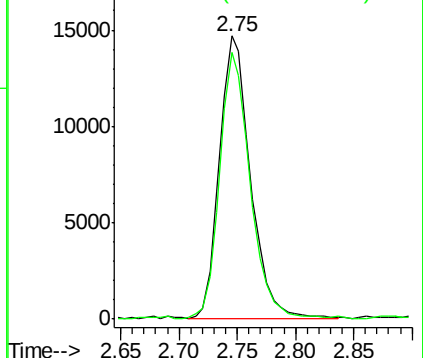
94 100

96 94.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.117 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011682.D

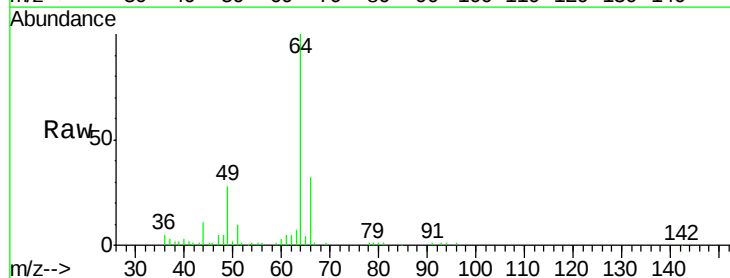
Acq: 03 Aug 2019 23:59

Tgt Ion: 64 Resp: 30713

Ion Ratio Lower Upper

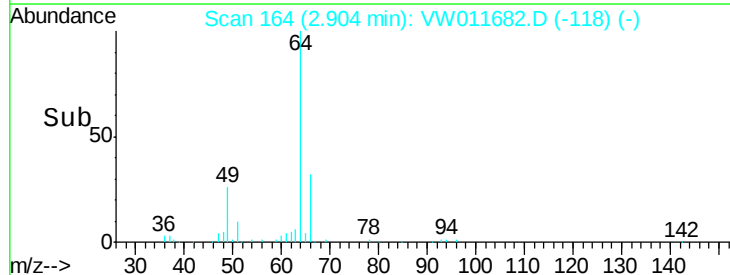
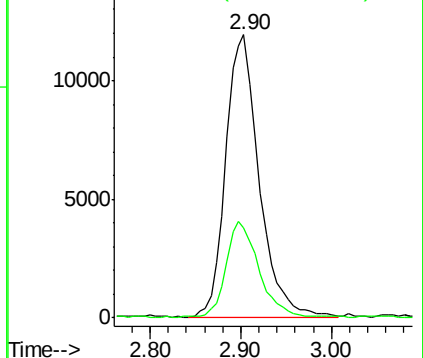
64 100

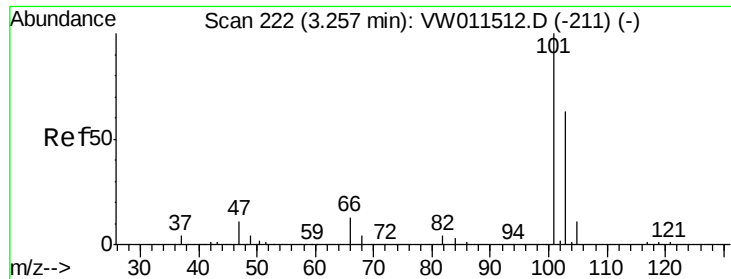
66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



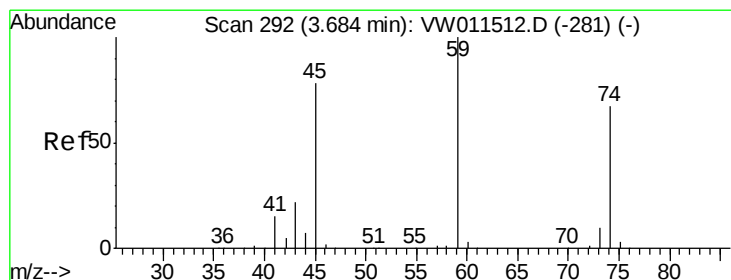
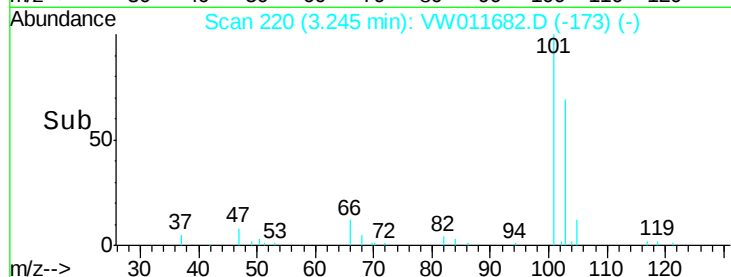
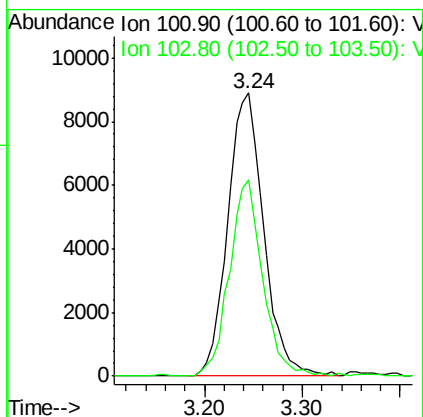
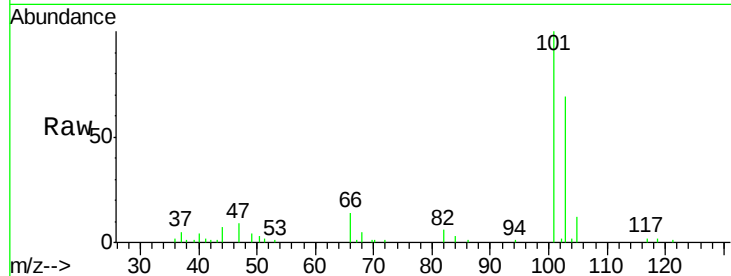


#7

Trichlorofluoromethane
 Concen: 19.976 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011682.D
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Instrument :
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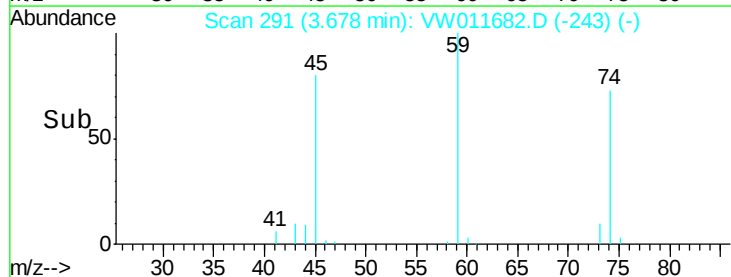
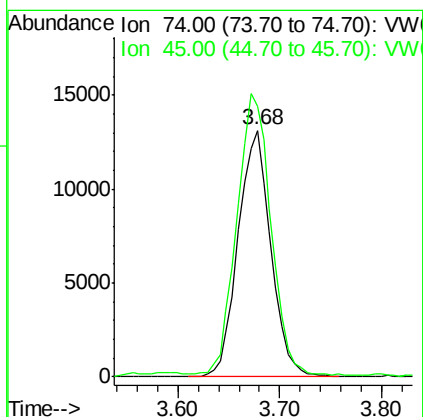
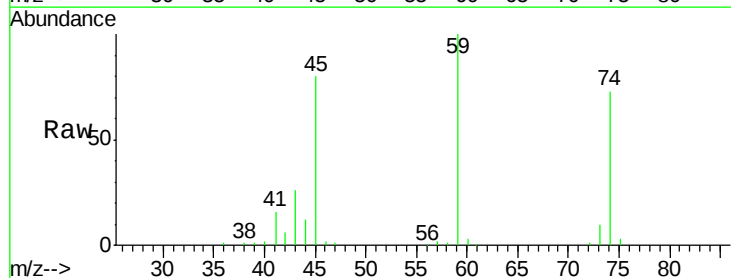
Tot Ion:101 Resp: 22731
 Ion Ratio Lower Upper
 101 100
 103 69.3 50.2 75.4

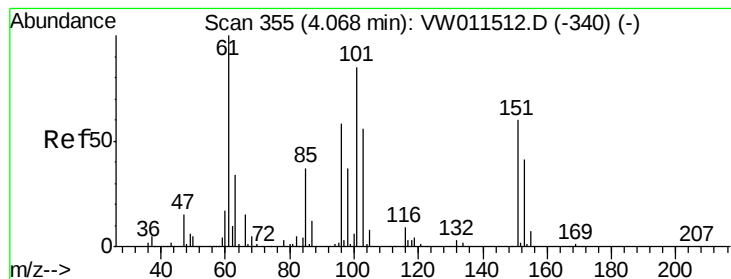


#8

Diethyl Ether
 Concen: 22.562 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 74 Resp: 29109
 Ion Ratio Lower Upper
 74 100
 45 119.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.959 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011682.D

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VW0804SBS02

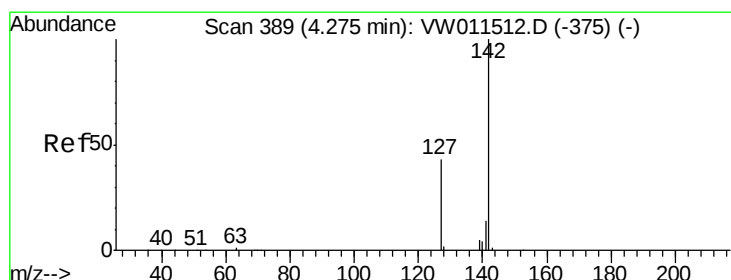
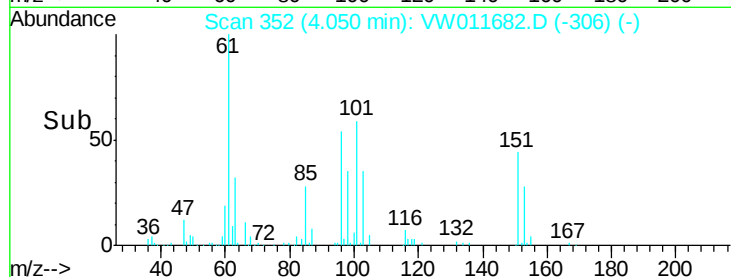
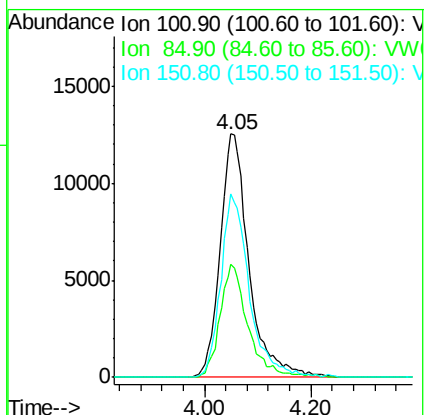
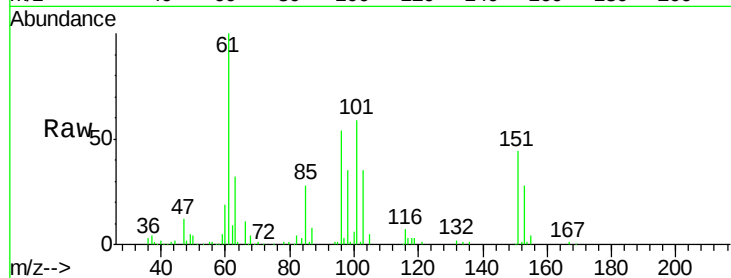
Tot Ion:101 Resp: 47400

Ion Ratio Lower Upper

101 100

85 44.6 36.6 54.8

151 74.8 60.2 90.2



#10

Methyl Iodide

Concen: 21.681 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

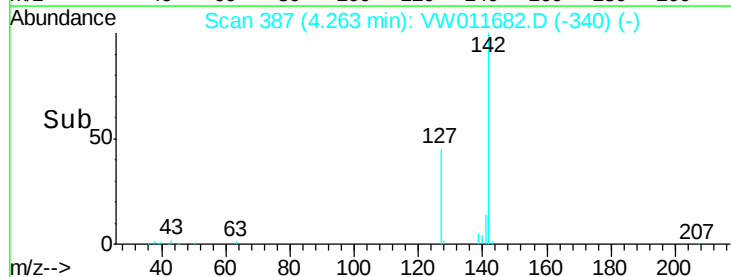
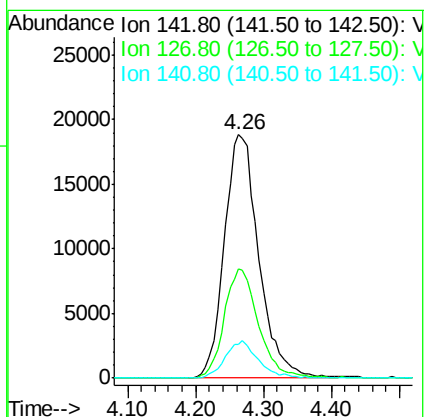
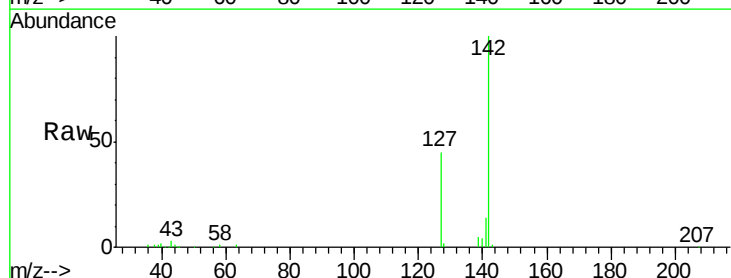
Tgt Ion:142 Resp: 66137

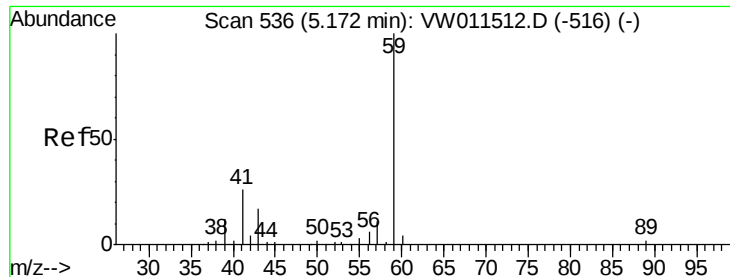
Ion Ratio Lower Upper

142 100

127 44.2 35.0 52.6

141 14.7 11.9 17.9



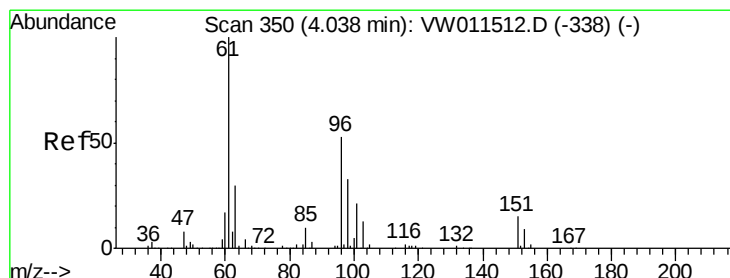
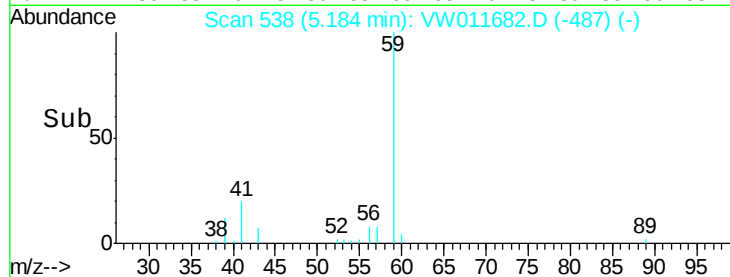
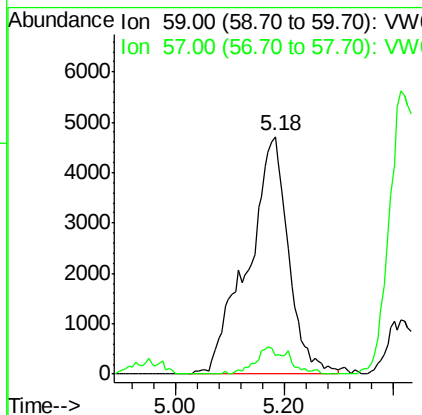
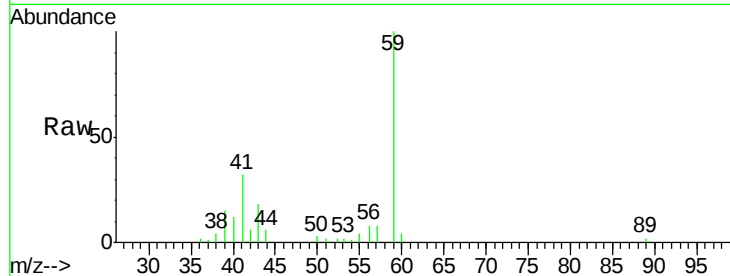


#11

Tert butyl alcohol
 Concen: 122.783 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

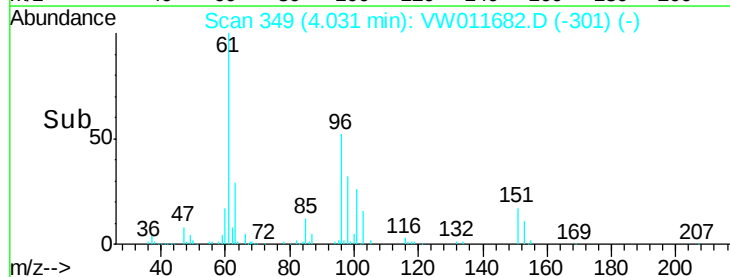
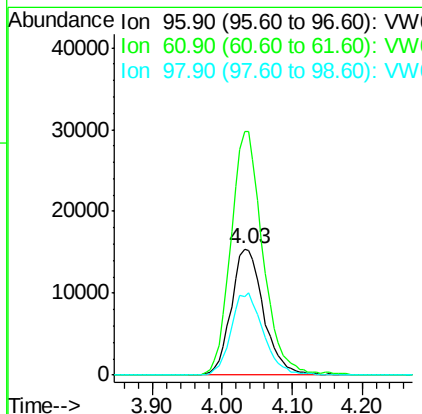
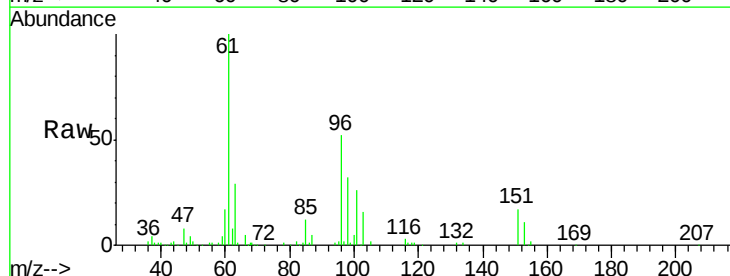
Tot Ion: 59 Resp: 24453
 Ion Ratio Lower Upper
 59 100
 57 6.5 8.5 12.7#

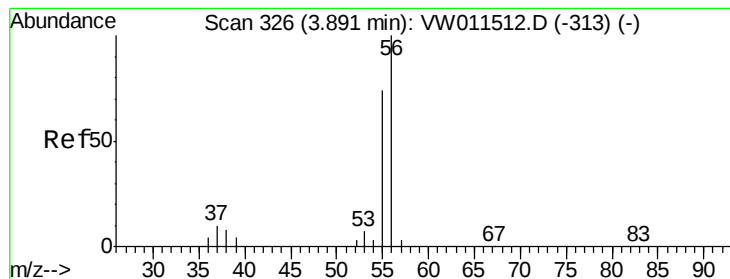


#12

1,1-Dichloroethene
 Concen: 21.768 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 96 Resp: 49611
 Ion Ratio Lower Upper
 96 100
 61 192.9 149.9 224.9
 98 61.9 49.1 73.7





#13

Acrolein

Concen: 62.920 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

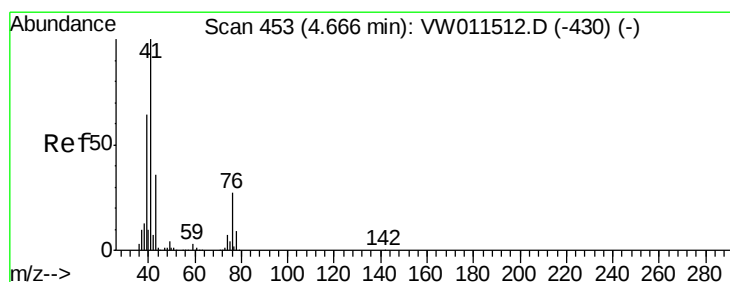
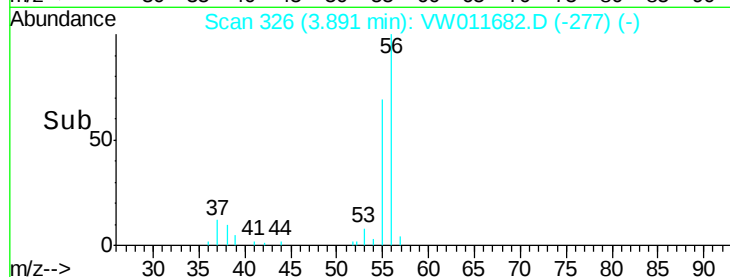
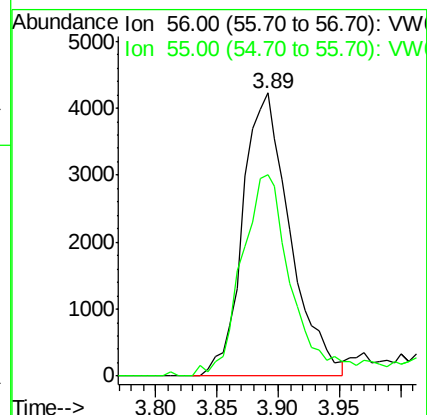
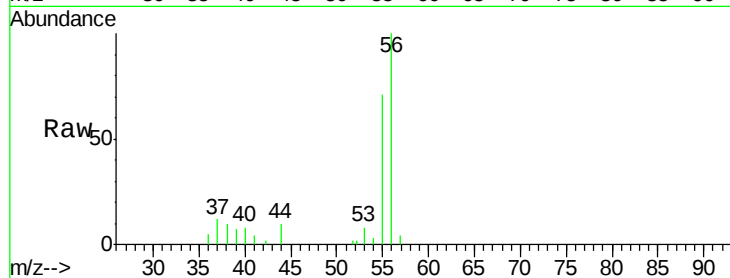
VW0804SBS02

Tot Ion: 56 Resp: 11345

Ion Ratio Lower Upper

56 100

55 74.4 56.0 84.0



#14

Allyl chloride

Concen: 22.106 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

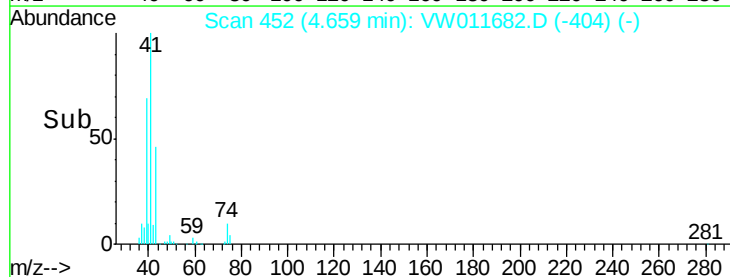
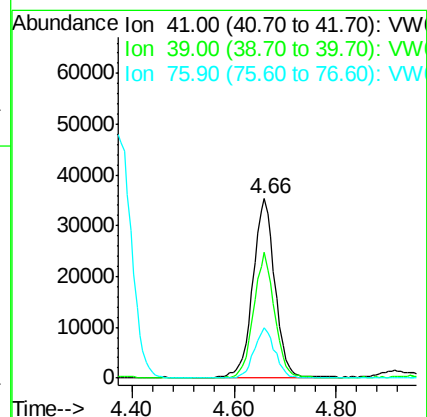
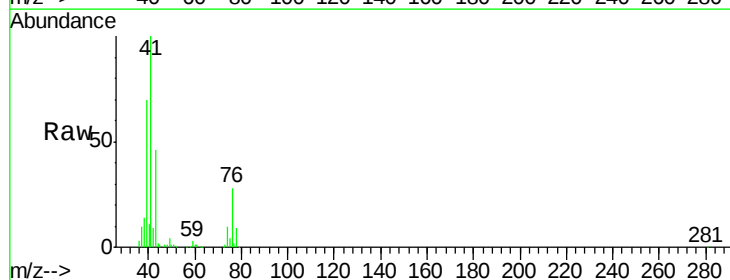
Tgt Ion: 41 Resp: 107157

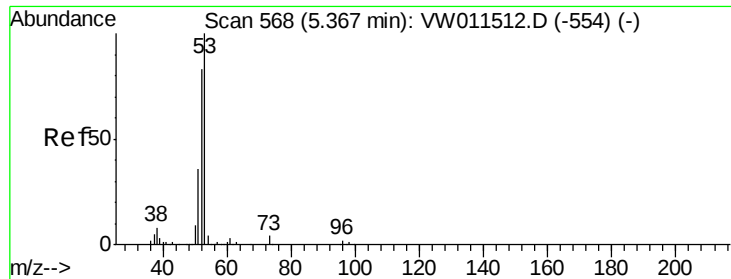
Ion Ratio Lower Upper

41 100

39 65.2 52.6 78.8

76 26.0 22.0 33.0





#15

Acrylonitrile

Concen: 109.987 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

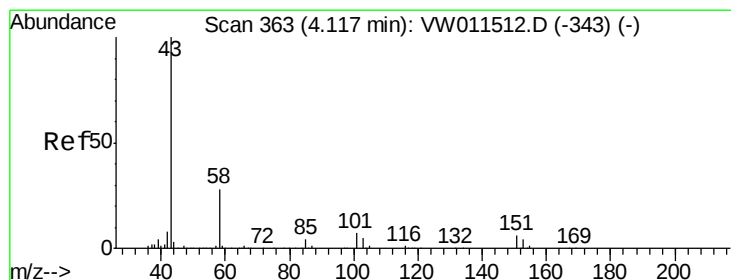
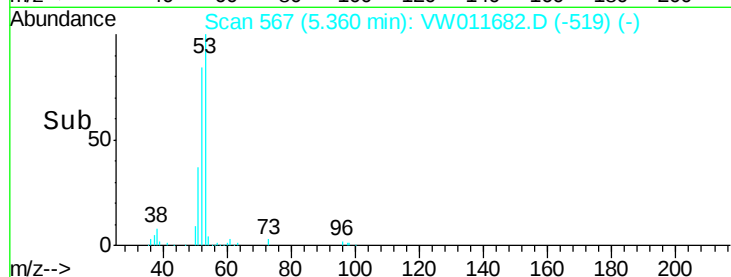
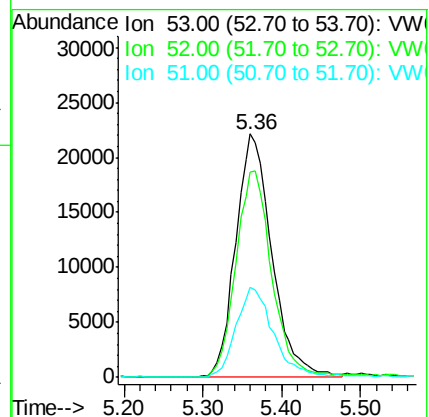
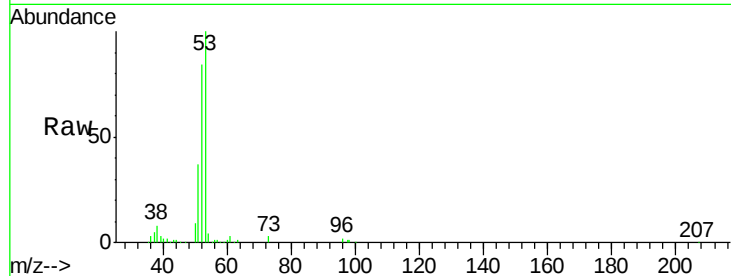
Tot Ion: 53 Resp: 70836

Ion Ratio Lower Upper

53 100

52 84.0 67.2 100.8

51 37.9 30.0 45.0



#16

Acetone

Concen: 75.737 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011682.D

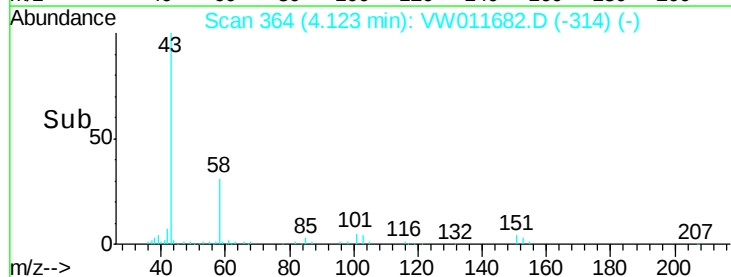
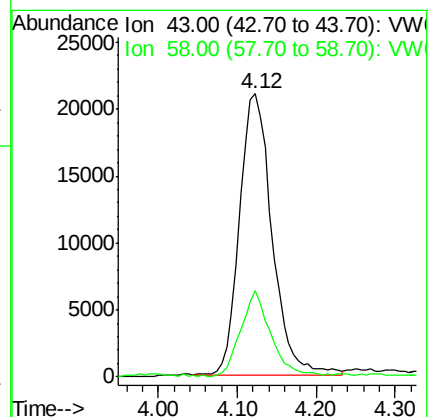
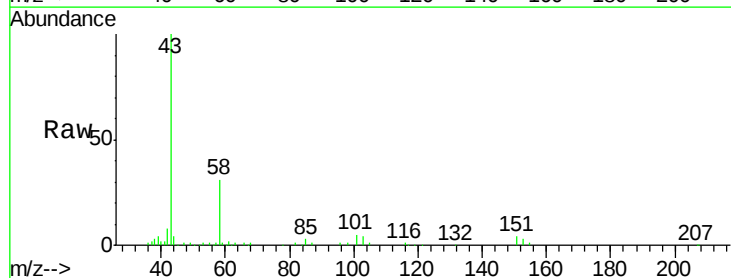
Acq: 03 Aug 2019 23:59

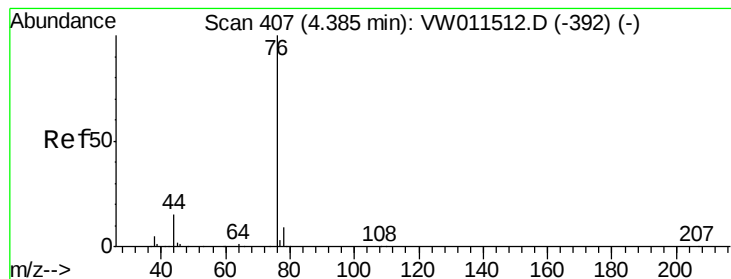
Tgt Ion: 43 Resp: 60540

Ion Ratio Lower Upper

43 100

58 30.3 22.3 33.5





#17

Carbon Disulfide

Concen: 20.682 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

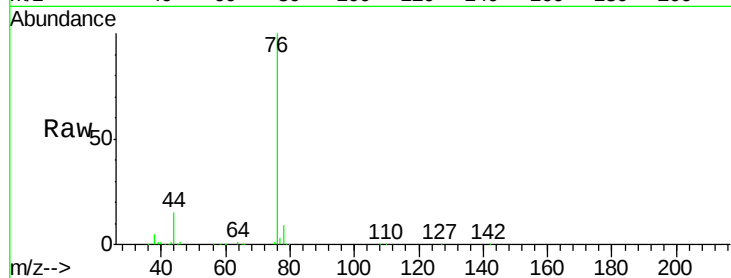
VW0804SBS02

Tot Ion: 76 Resp: 147530

Ion Ratio Lower Upper

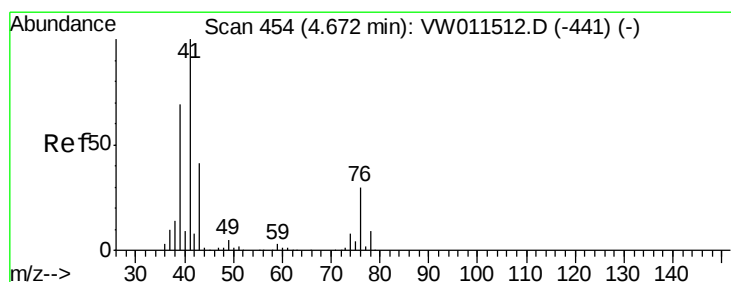
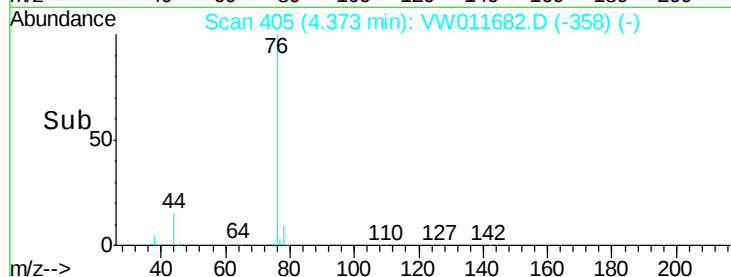
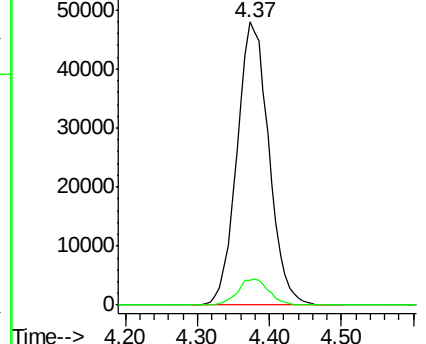
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 29.079 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011682.D

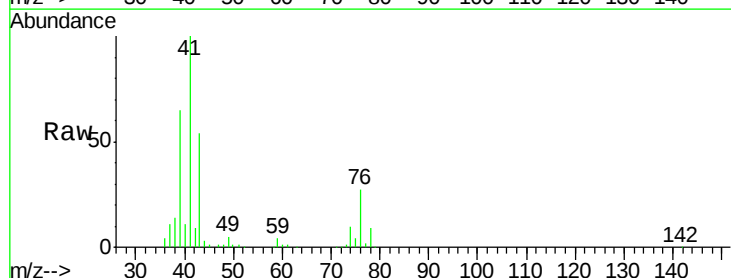
Acq: 03 Aug 2019 23:59

Tgt Ion: 43 Resp: 52218

Ion Ratio Lower Upper

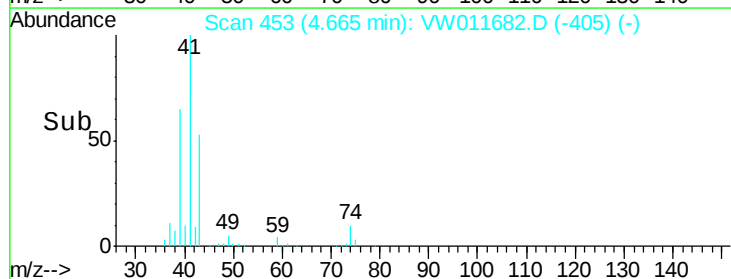
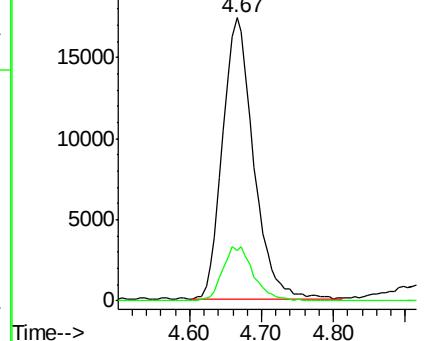
43 100

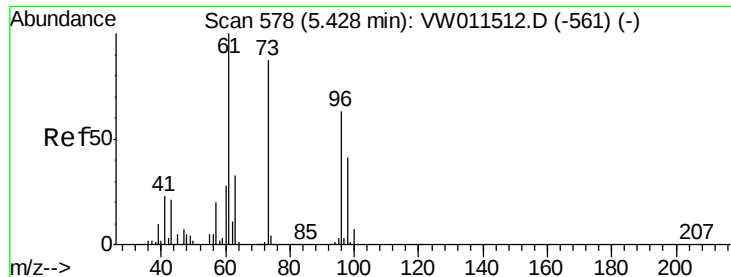
74 19.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

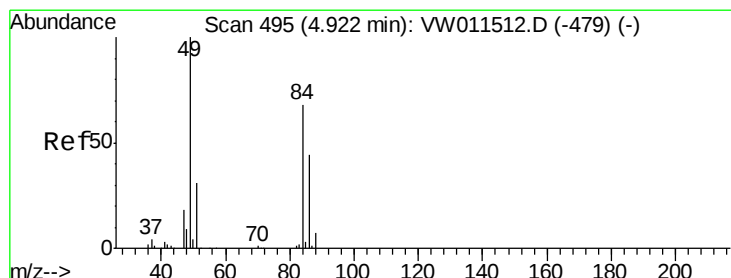
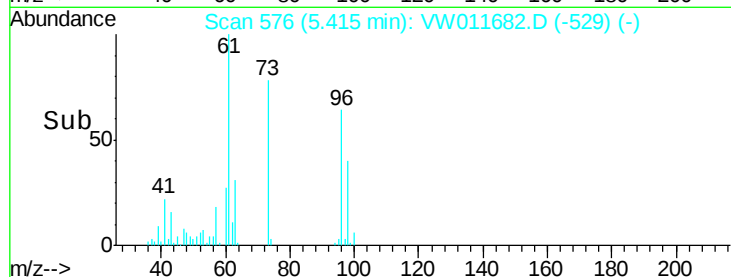
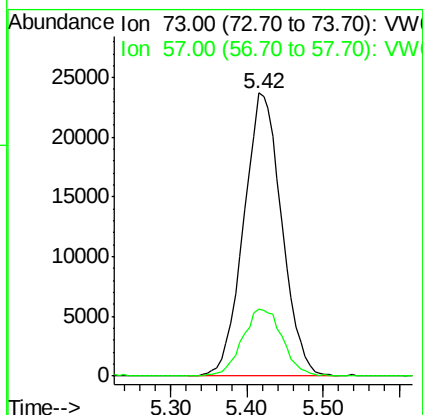
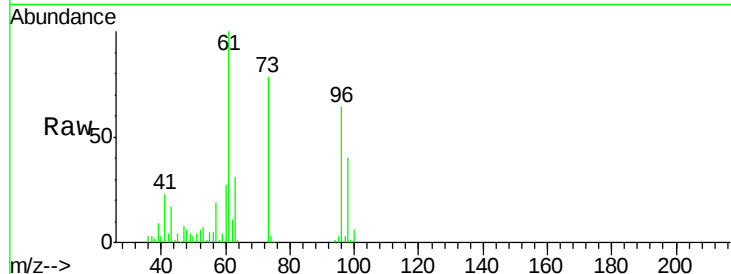




#19
Methyl tert-butyl Ether
Concen: 22.642 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

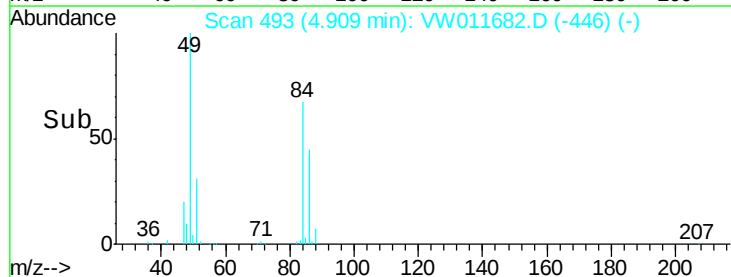
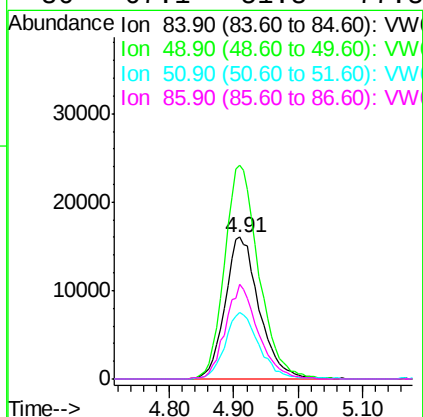
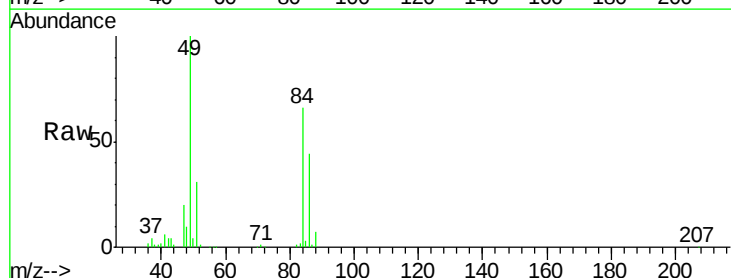
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

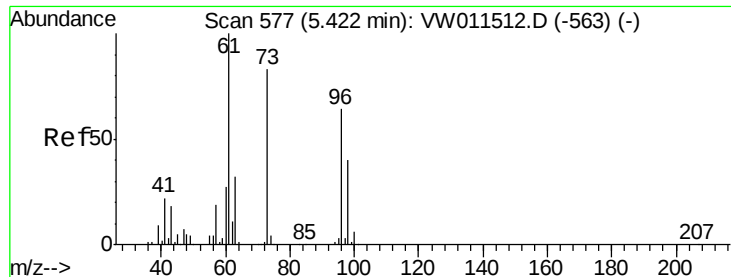
Tot Ion: 73 Resp: 81889
Ion Ratio Lower Upper
73 100
57 23.7 18.4 27.6



#20
Methylene Chloride
Concen: 21.615 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion: 84 Resp: 59588
Ion Ratio Lower Upper
84 100
49 150.6 117.8 176.6
51 46.8 37.0 55.4
86 67.1 51.8 77.8

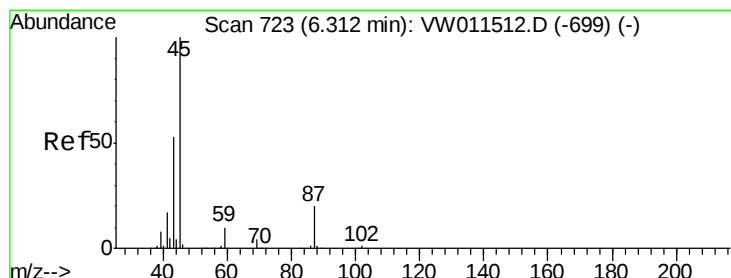
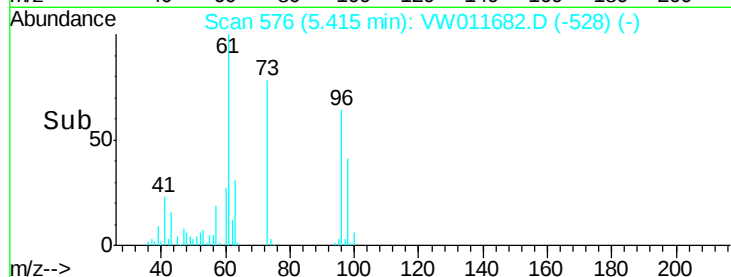
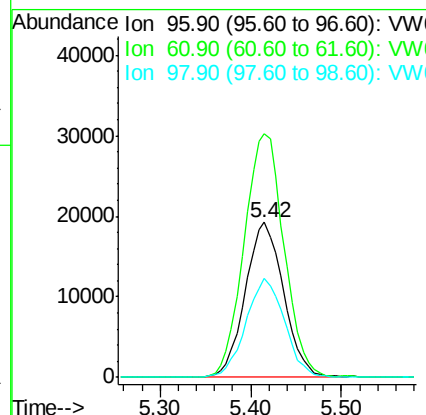
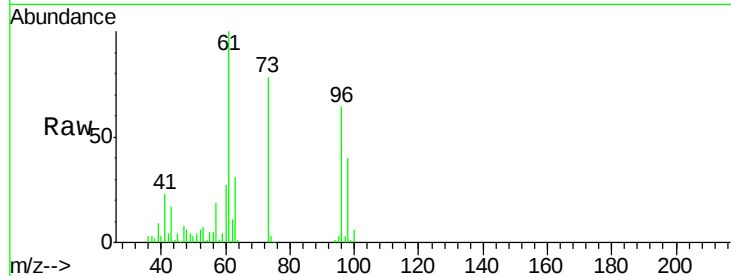




#21
trans-1,2-Dichloroethene
Concen: 23.008 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

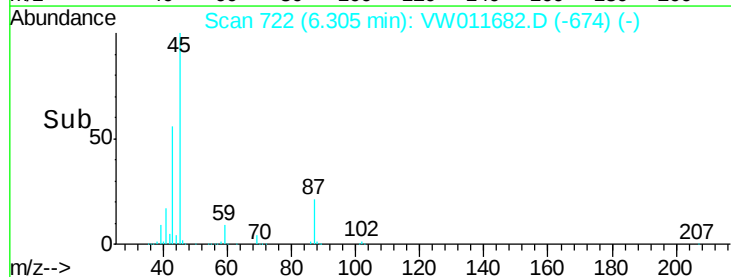
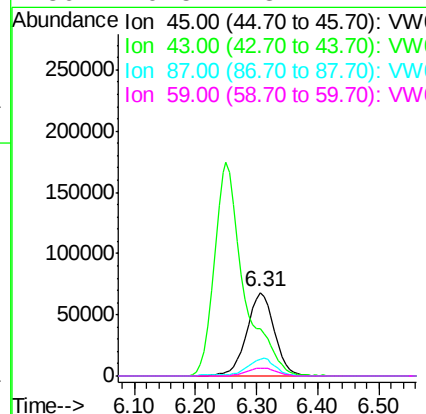
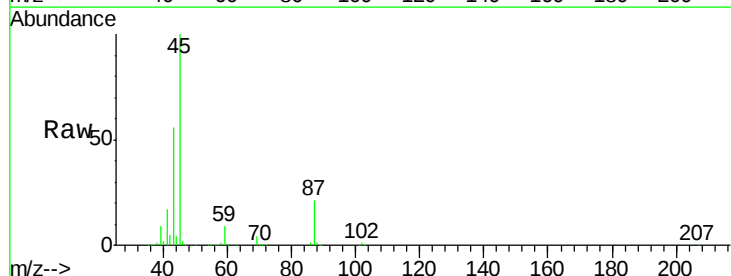
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

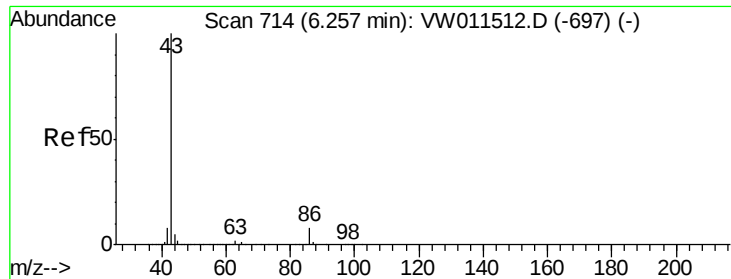
Tot Ion: 96 Resp: 56535
Ion Ratio Lower Upper
96 100
61 156.9 125.7 188.5
98 63.4 50.3 75.5



#22
Diisopropyl ether
Concen: 23.514 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion: 45 Resp: 214902
Ion Ratio Lower Upper
45 100
43 55.5 42.6 63.8
87 20.7 16.4 24.6
59 9.5 8.2 12.2





#23

Vinyl Acetate

Concen: 102.272 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

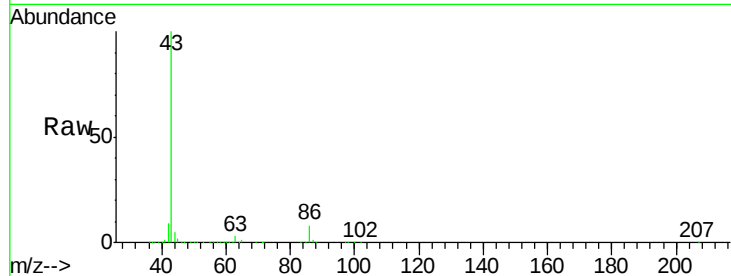
VW0804SBS02

Tot Ion: 43 Resp: 587318

Ion Ratio Lower Upper

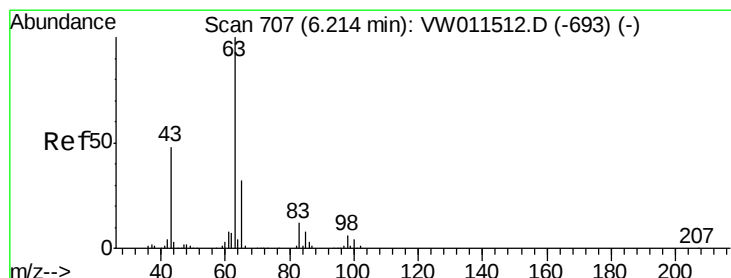
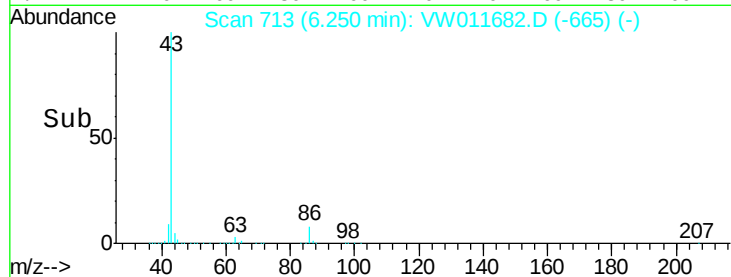
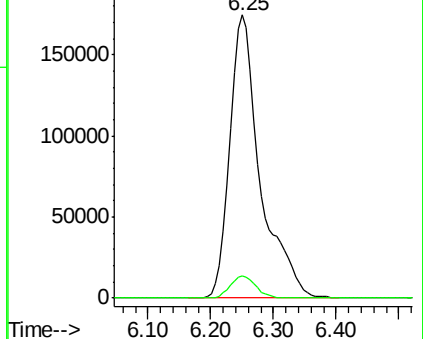
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.419 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

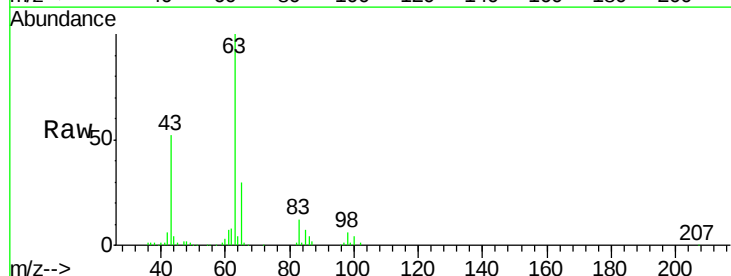
Tgt Ion: 63 Resp: 114627

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

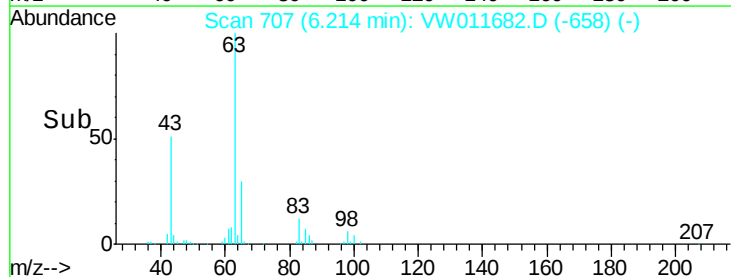
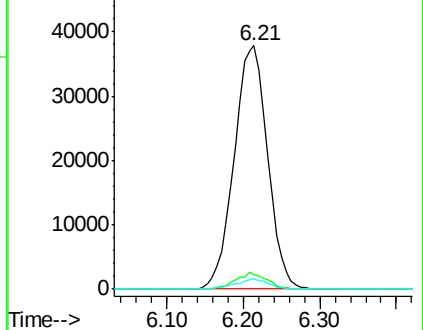
100 4.3 2.1 6.3

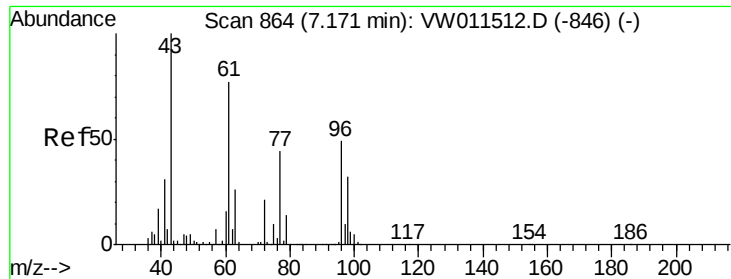


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 96.220 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

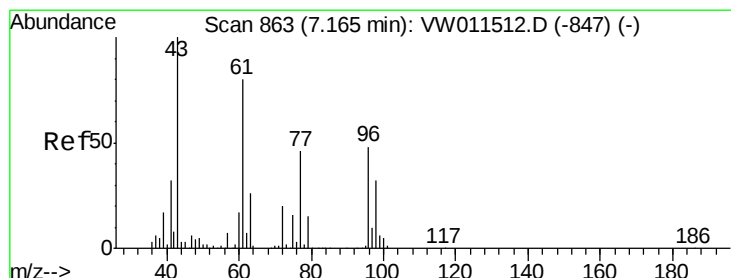
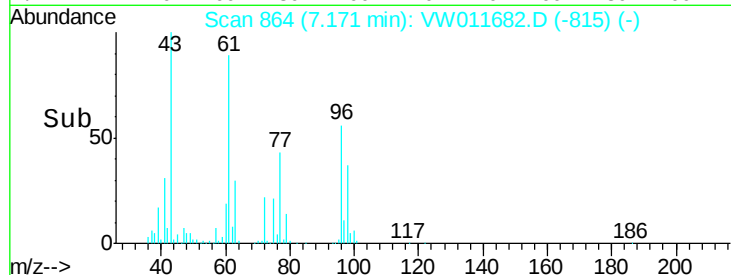
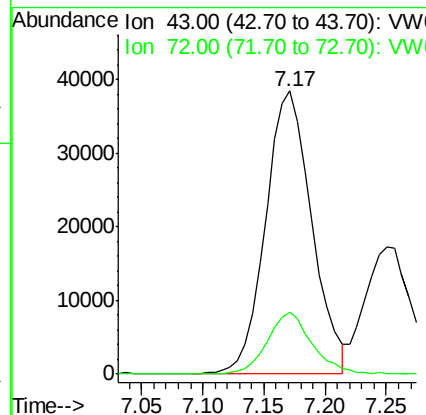
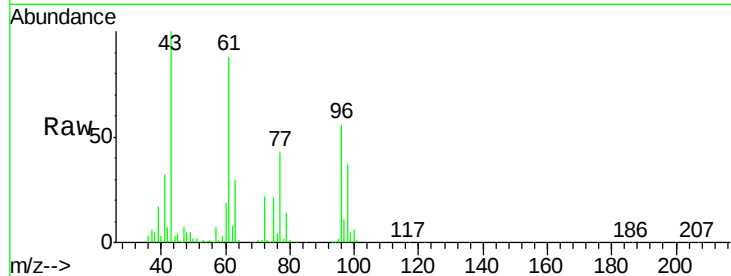
VW0804SBS02

Tot Ion: 43 Resp: 100643

Ion Ratio Lower Upper

43 100

72 21.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 18.487 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011682.D

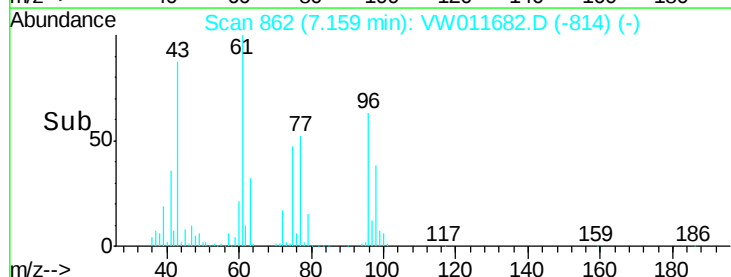
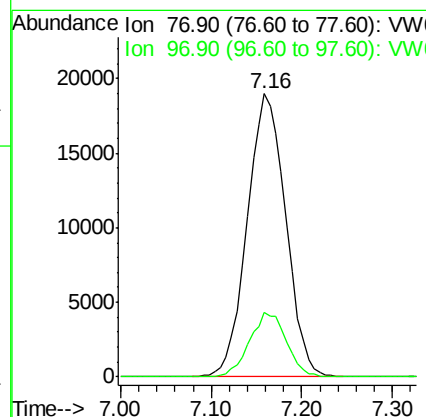
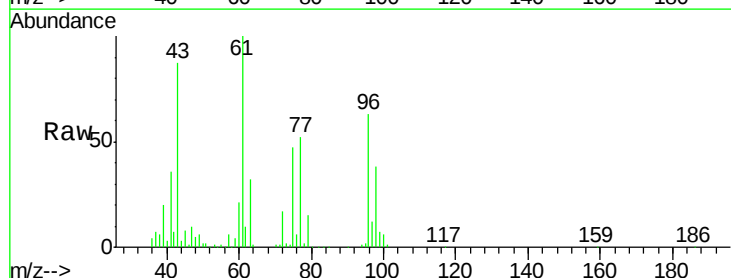
Acq: 03 Aug 2019 23:59

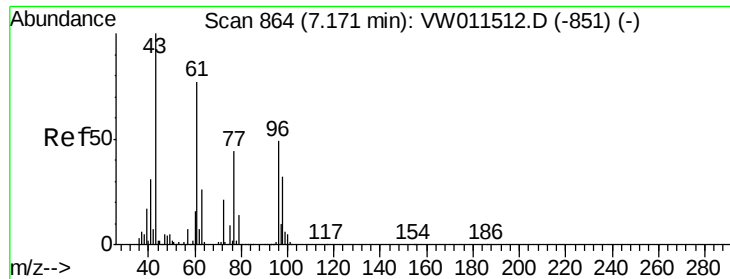
Tgt Ion: 77 Resp: 55649

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.4



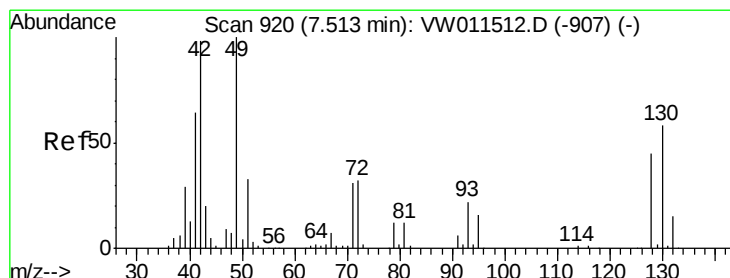
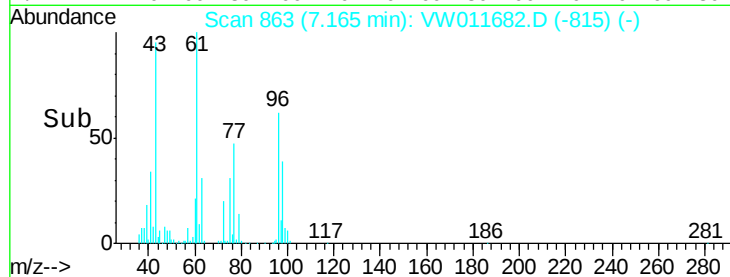
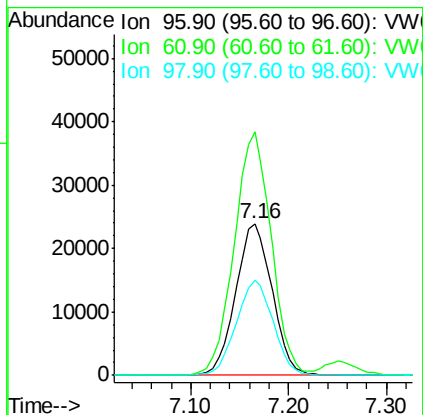
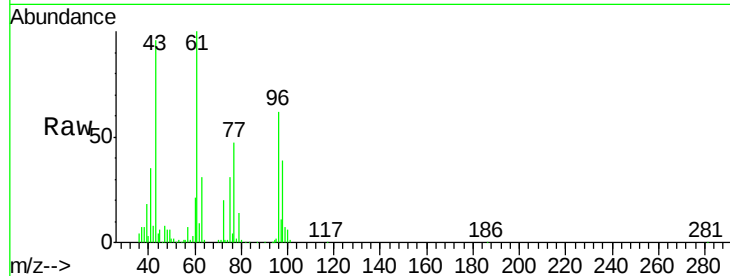


#27

cis-1,2-Dichloroethene
 Concen: 22.848 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

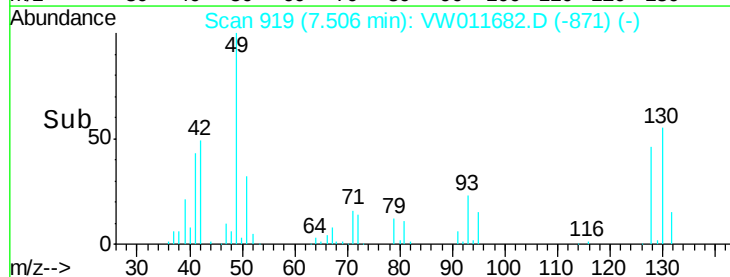
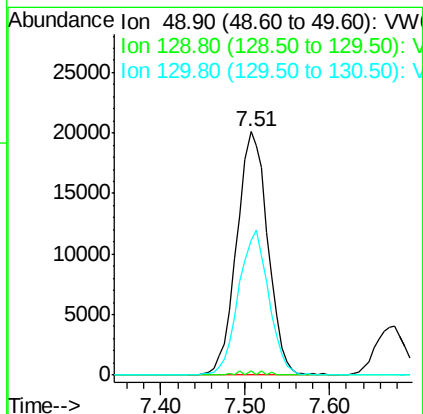
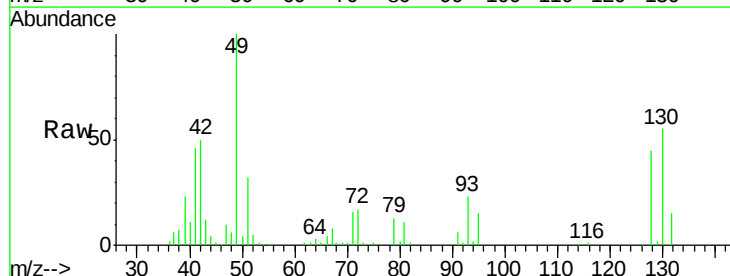
Tot Ion	96	Resp	61789
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	328.4
98	63.2	0.0	128.8

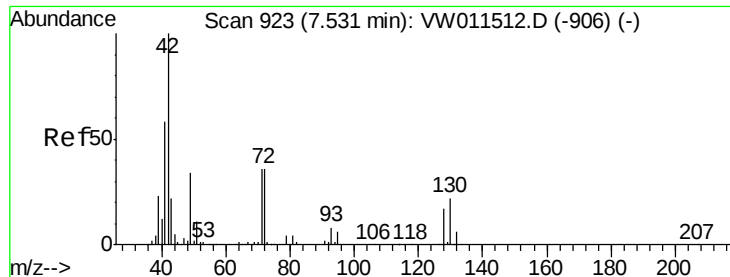


#28

Bromochloromethane
 Concen: 23.018 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion	49	Resp	50008
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.0
130	57.9	46.3	69.5

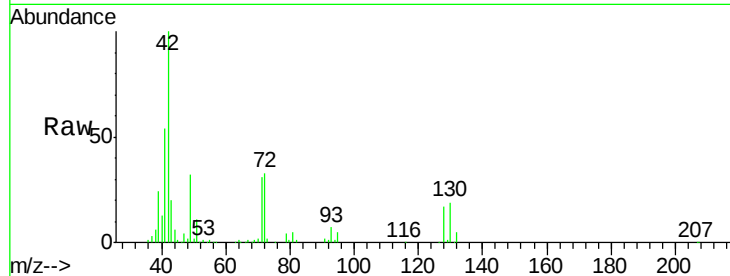




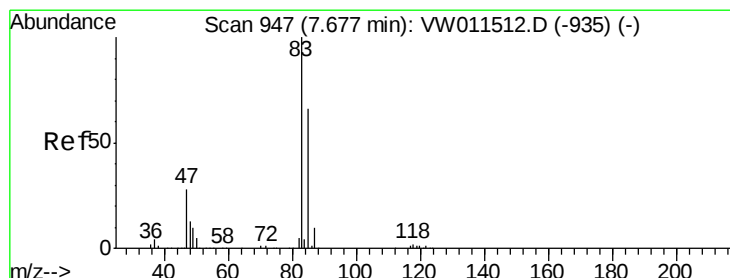
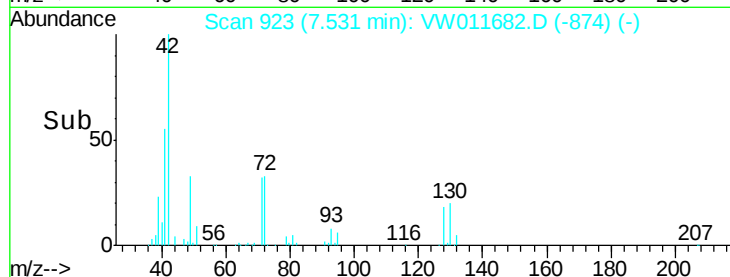
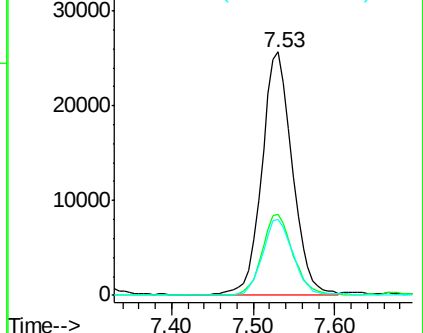
#29
Tetrahydrofuran
Concen: 111.736 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.1	40.7
71	31.7	26.2	39.4

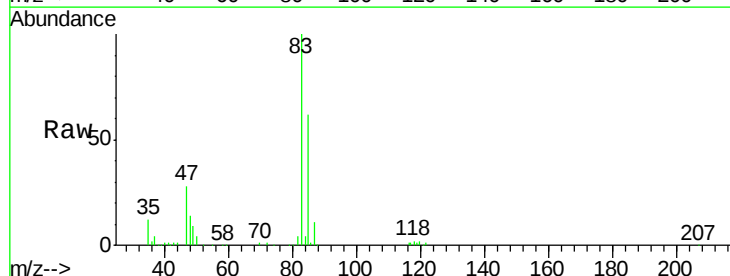


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

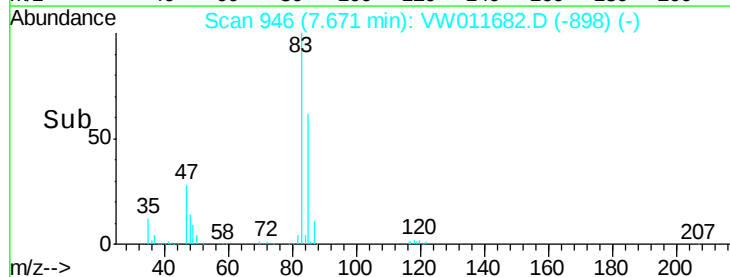
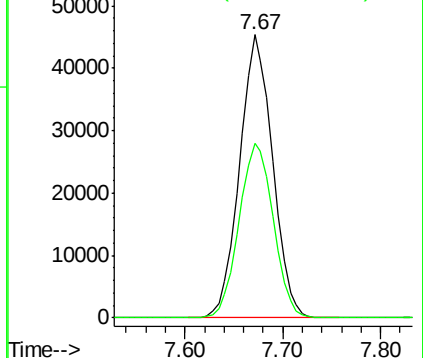


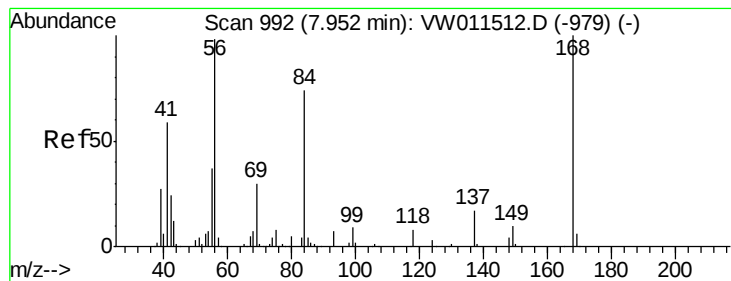
#30
Chloroform
Concen: 23.473 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.5	78.7



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





#31

Cyclohexane

Concen: 21.582 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

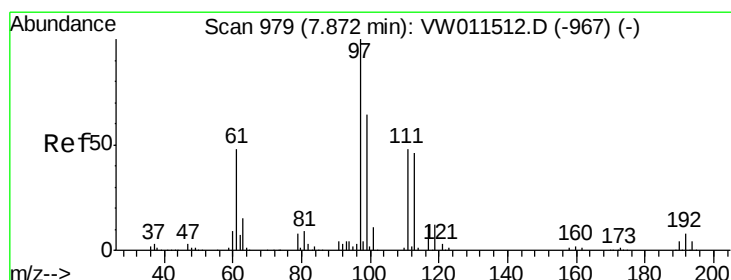
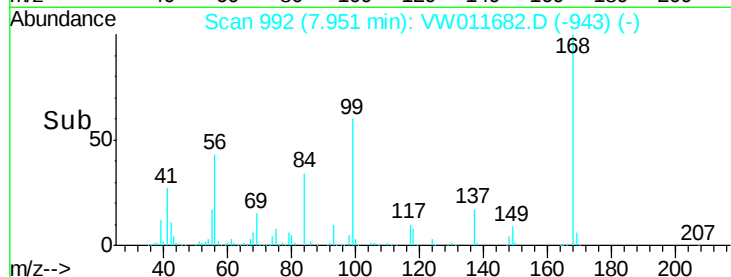
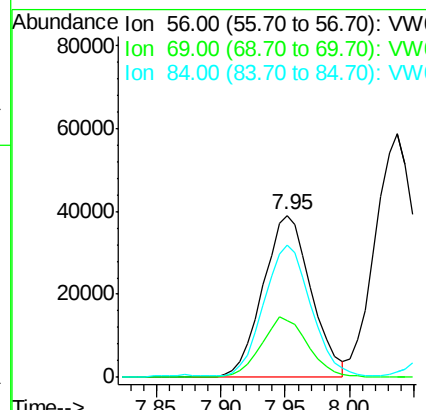
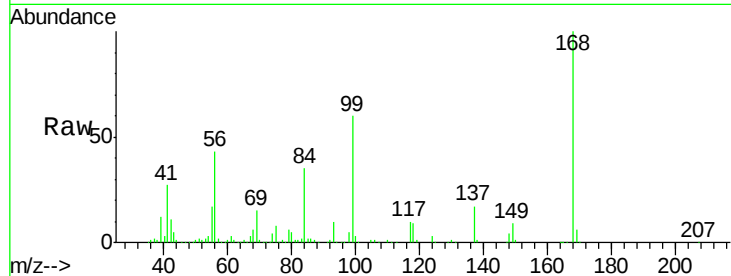
Tot Ion: 56 Resp: 101403

Ion Ratio Lower Upper

56 100

69 35.0 24.3 36.5

84 81.0 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 22.904 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

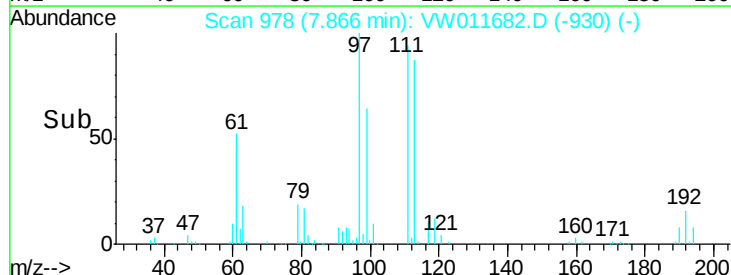
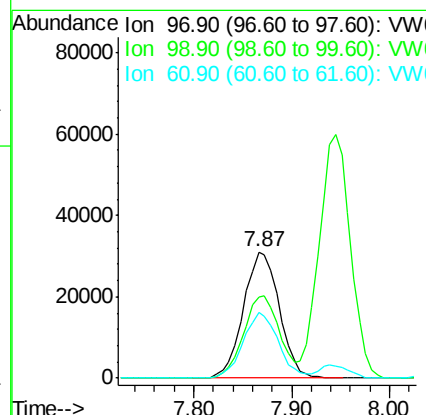
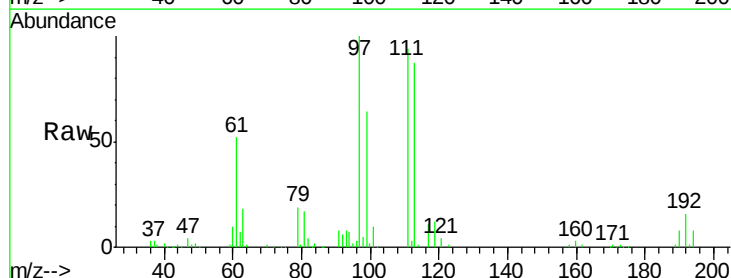
Tgt Ion: 97 Resp: 78766

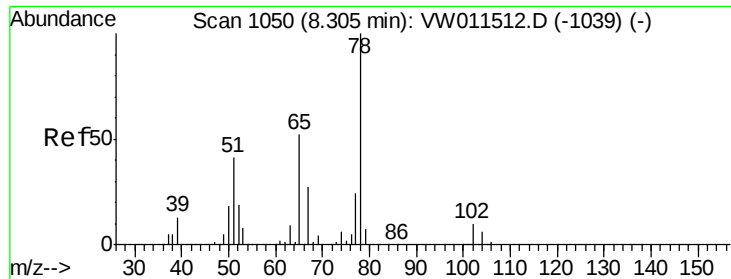
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.6

61 51.5 39.8 59.6





#33

1,2-Dichloroethane-d4

Concen: 53.363 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

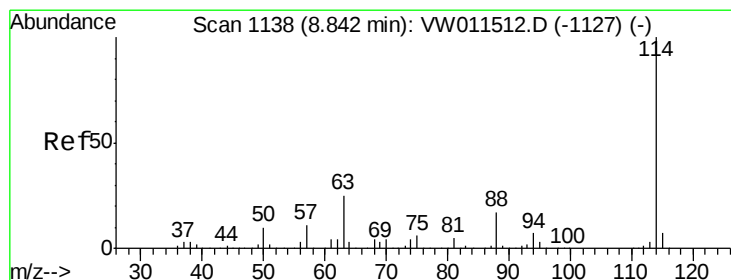
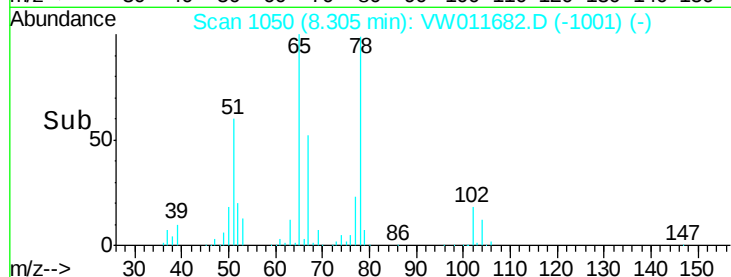
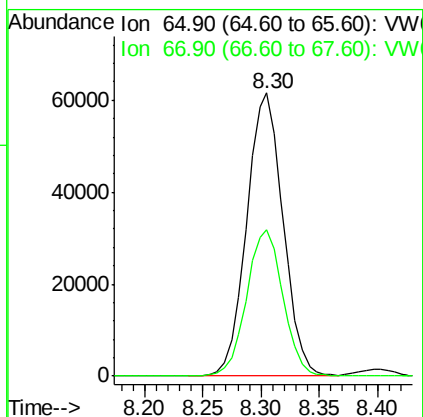
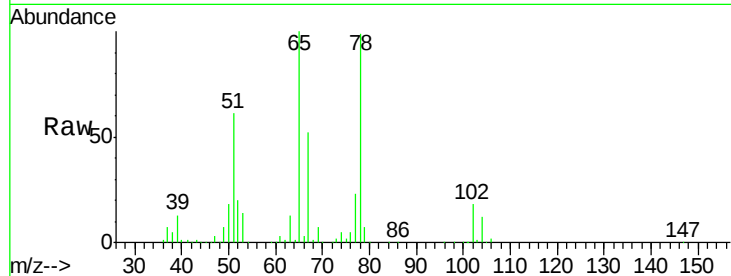
VW0804SBS02

Tot Ion: 65 Resp: 134095

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

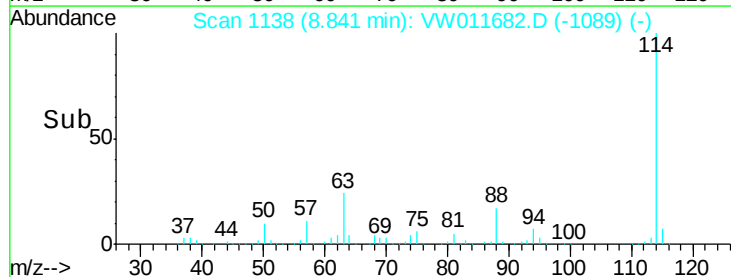
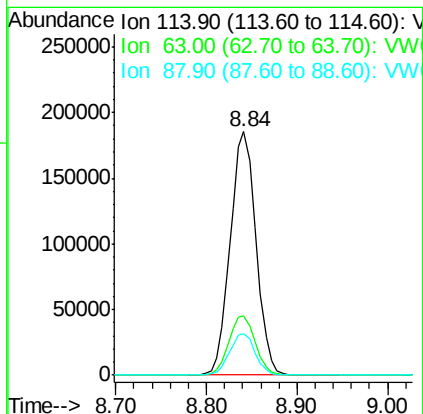
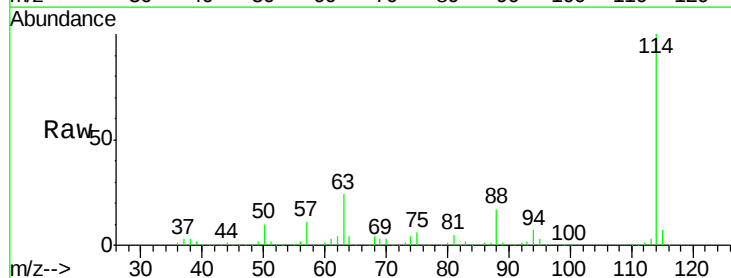
Tgt Ion: 114 Resp: 366104

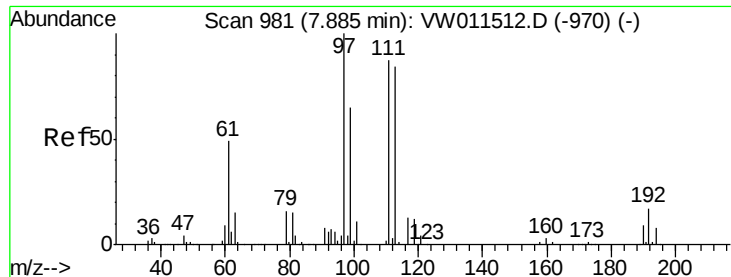
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 17.2 0.0 33.8

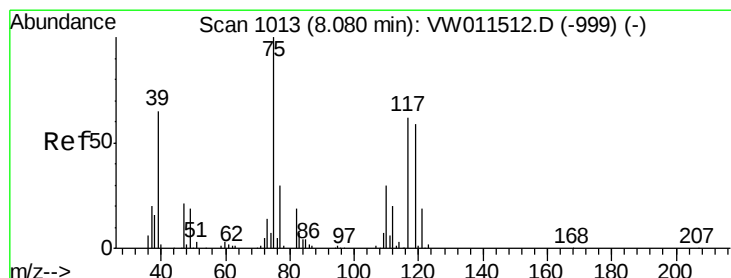
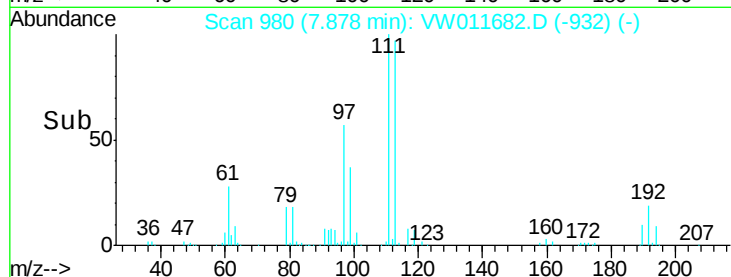
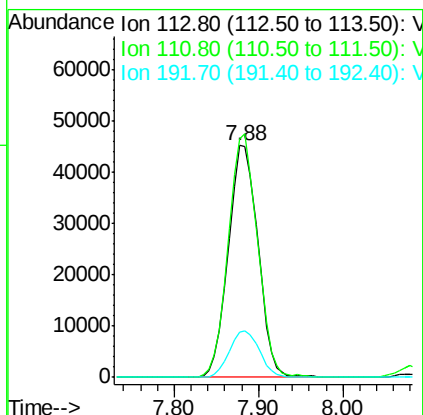
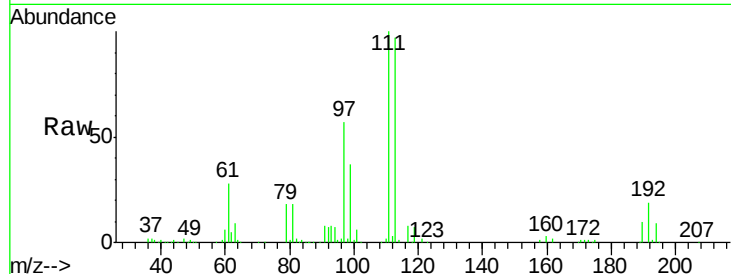




#35
 Dibromofluoromethane
 Concen: 52.744 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

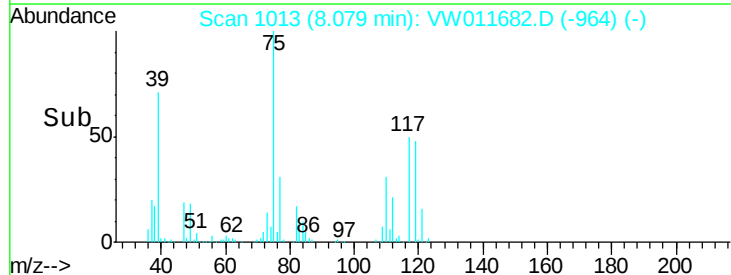
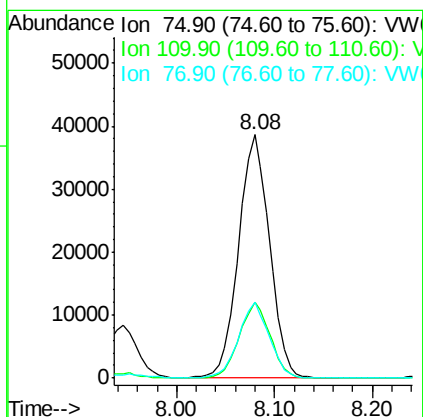
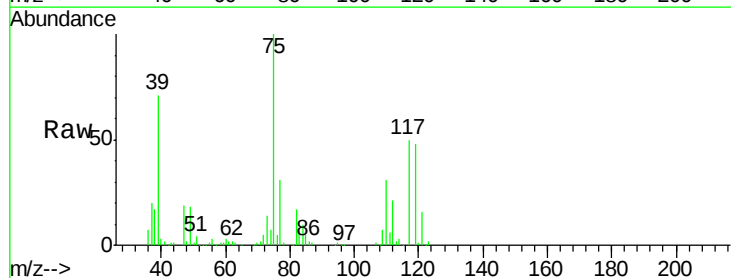
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

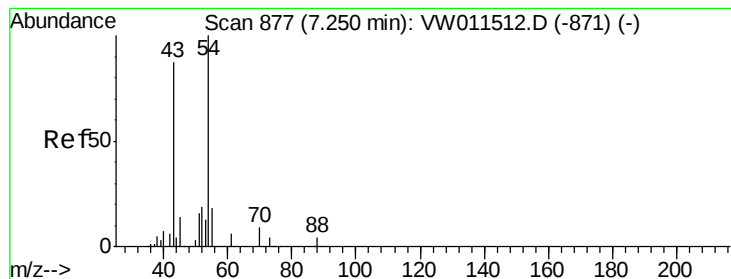
Tot Ion:113 Resp: 108332
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 22.358 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 75 Resp: 85113
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.6 46.8
 77 30.9 24.3 36.5





#37

Ethyl Acetate

Concen: 21.291 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

VW0804SBS02

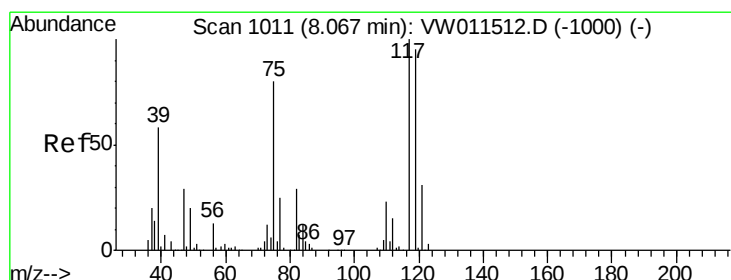
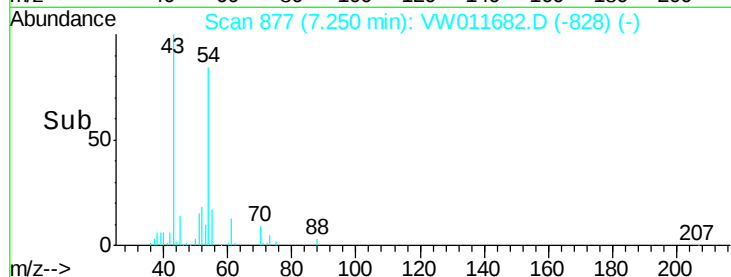
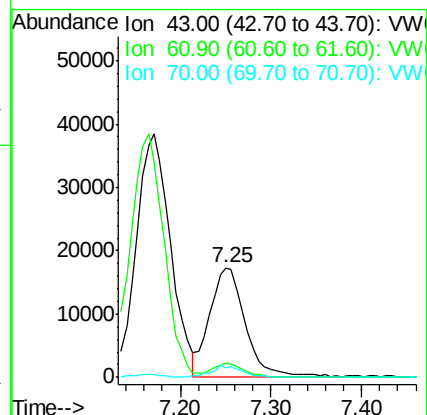
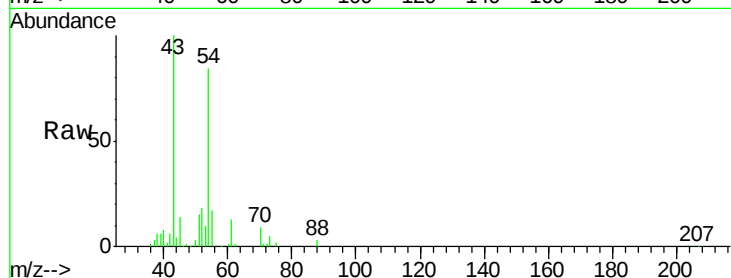
Tot Ion: 43 Resp: 46630

Ion Ratio Lower Upper

43 100

61 11.2 8.8 13.2

70 9.2 7.1 10.7



#38

Carbon Tetrachloride

Concen: 21.746 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

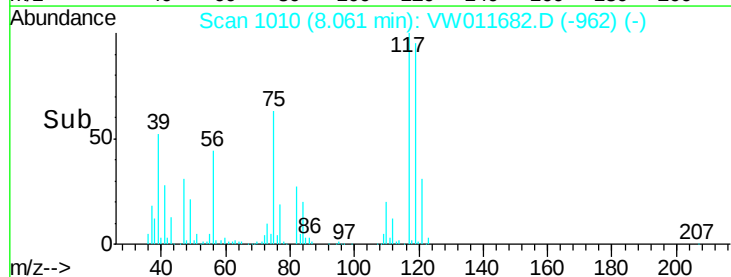
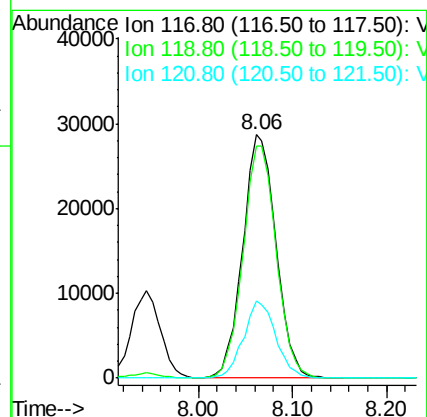
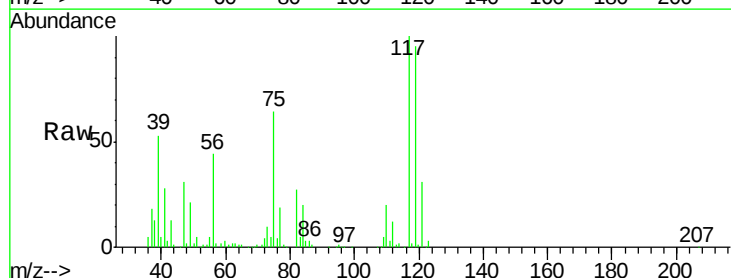
Tgt Ion: 117 Resp: 70869

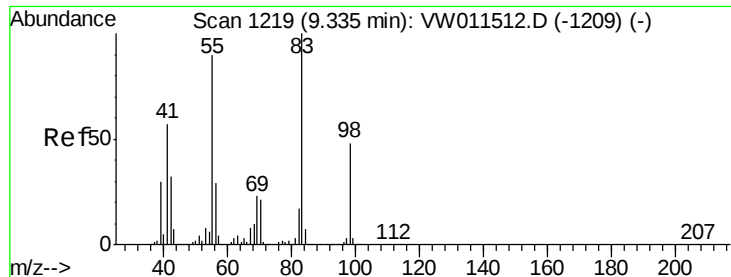
Ion Ratio Lower Upper

117 100

119 95.3 75.8 113.6

121 31.5 24.7 37.1

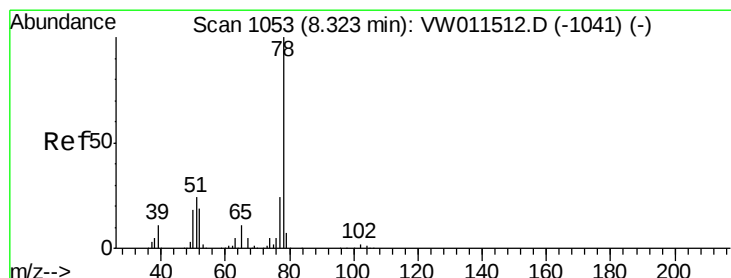
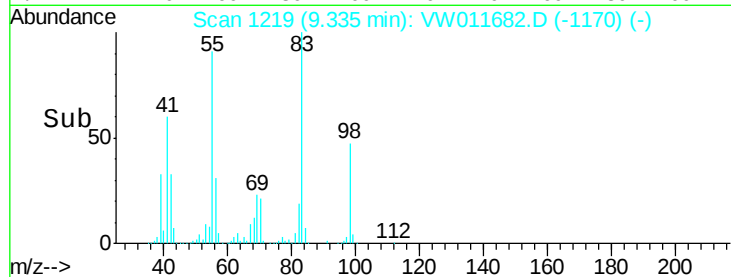
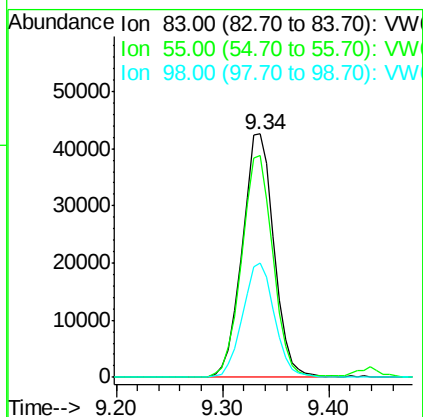
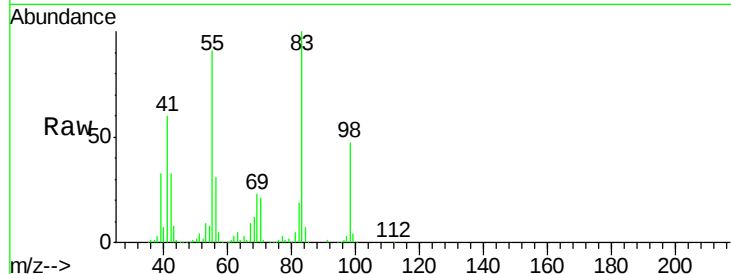




#39
Methvlcvclohexane
Concen: 21.281 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

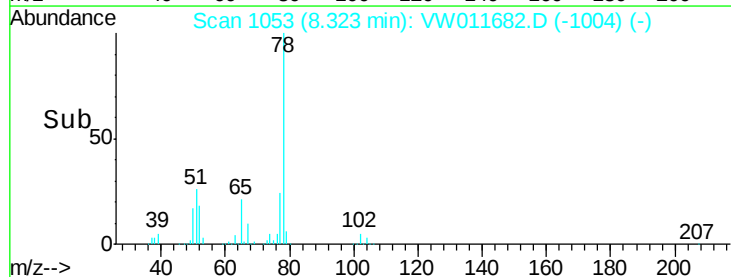
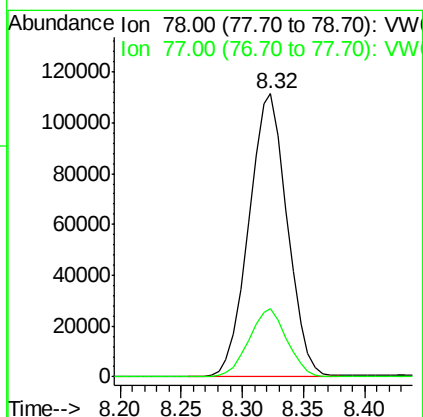
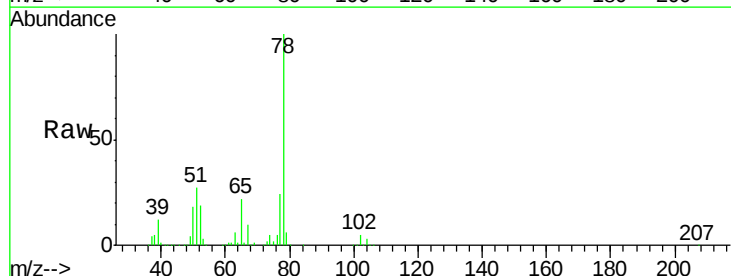
Instrument :
MSVOA_W
ClientSampled :
VW0804SBS02

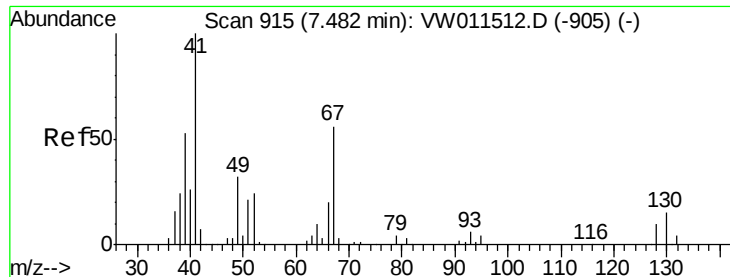
Tot Ion: 83 Resp: 89204
Ion Ratio Lower Upper
83 100
55 91.0 72.1 108.1
98 46.9 38.6 57.8



#40
Benzene
Concen: 22.881 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion: 78 Resp: 243986
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#41

Methacrylonitrile

Concen: 21.116 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

VW0804SBS02

Tot Ion: 41 Resp: 27646

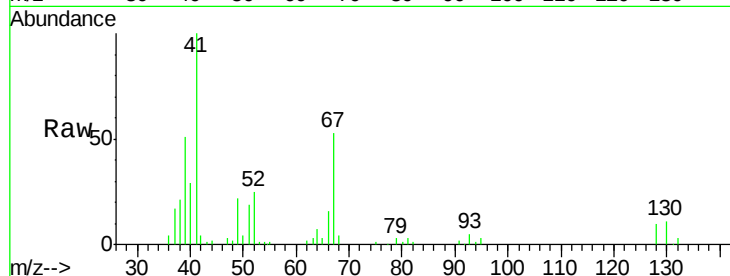
Ion Ratio Lower Upper

41 100

39 55.7 43.0 64.4

67 58.9 47.5 71.3

52 28.3 21.0 31.6

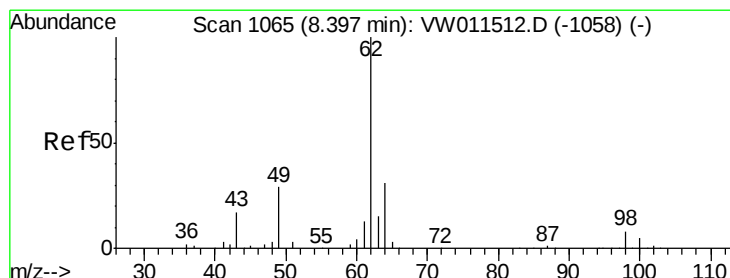
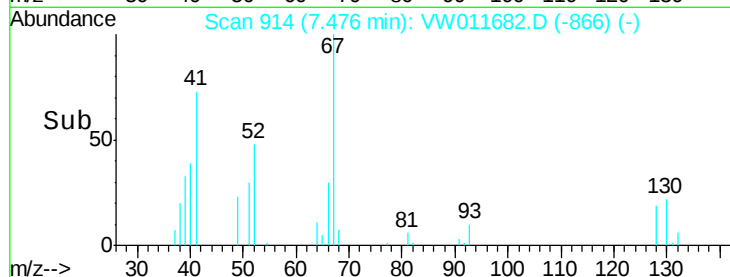
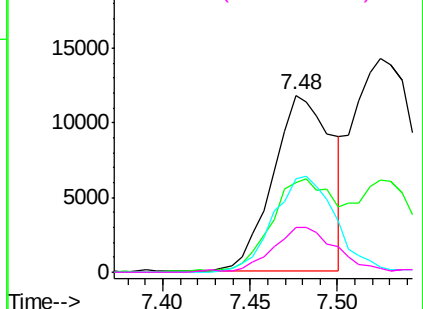


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 23.254 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011682.D

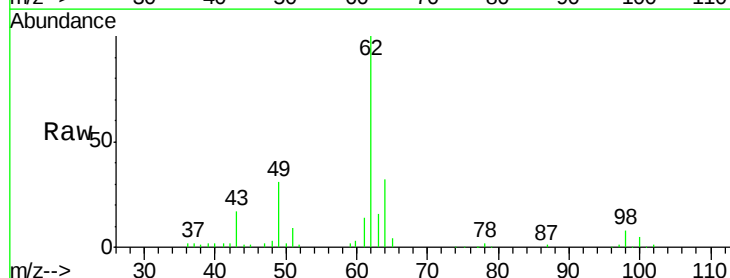
Acq: 03 Aug 2019 23:59

Tgt Ion: 62 Resp: 77633

Ion Ratio Lower Upper

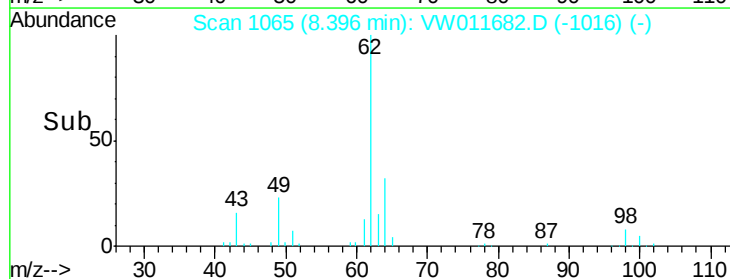
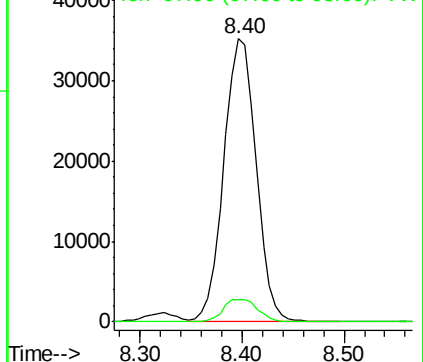
62 100

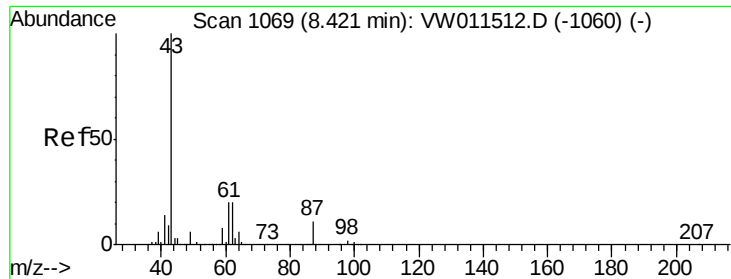
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.439 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

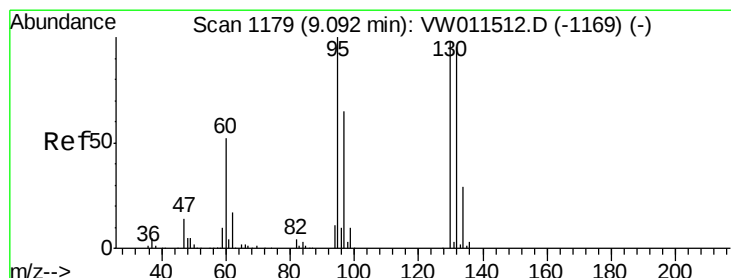
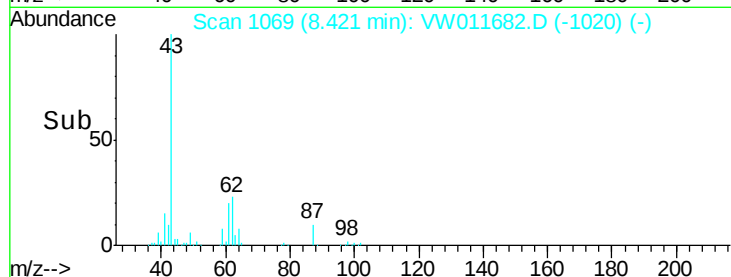
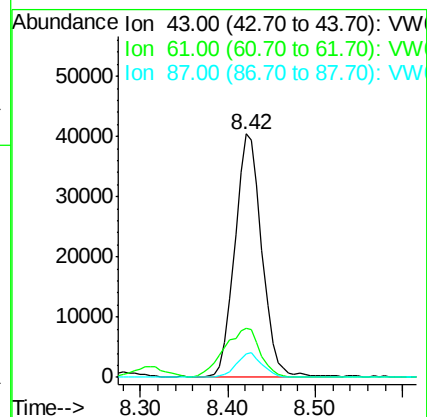
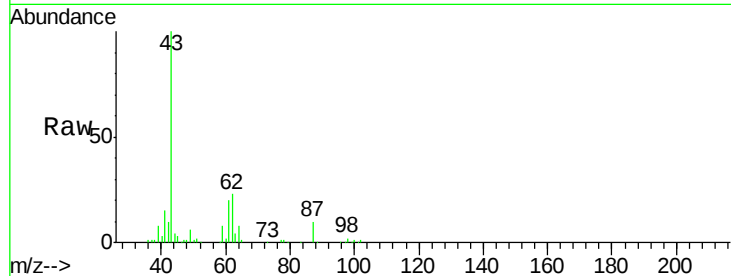
Tot Ion: 43 Resp: 86352

Ion Ratio Lower Upper

43 100

61 26.0 21.5 32.3

87 9.9 8.4 12.6



#44

Trichloroethene

Concen: 22.277 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011682.D

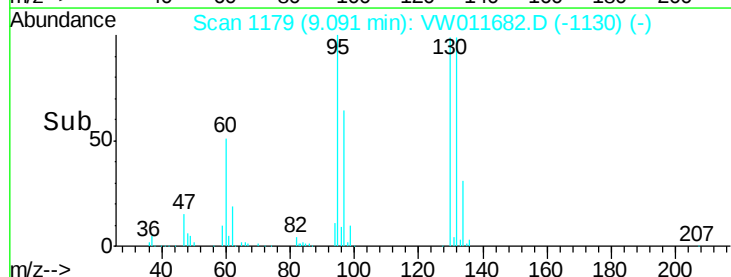
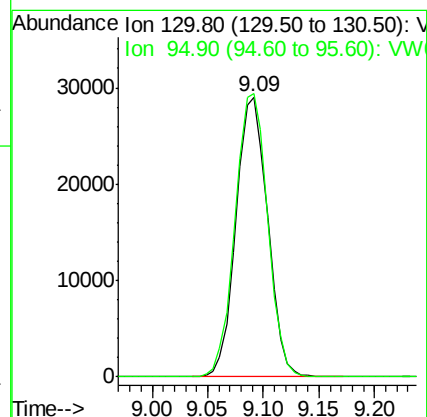
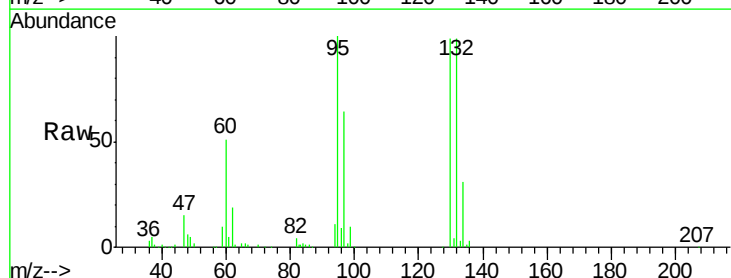
Acq: 03 Aug 2019 23:59

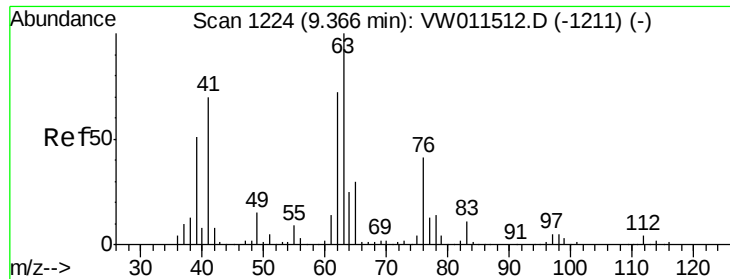
Tgt Ion: 130 Resp: 57093

Ion Ratio Lower Upper

130 100

95 101.1 0.0 204.8

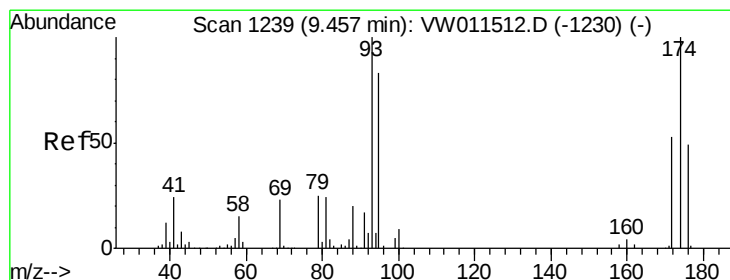
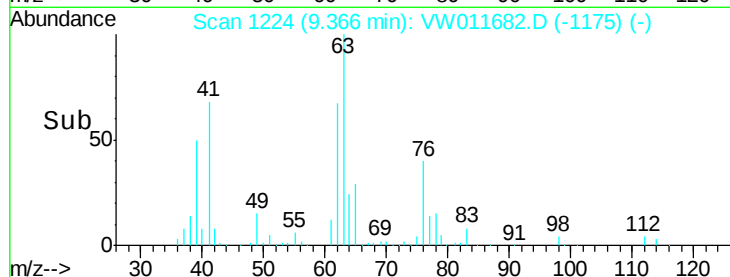
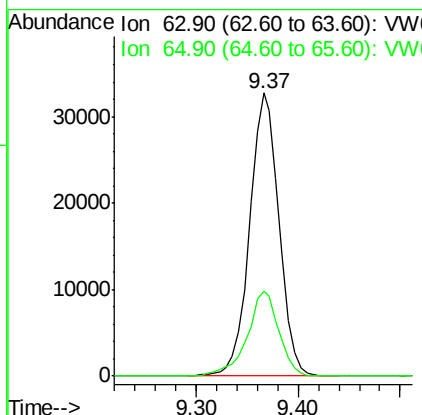
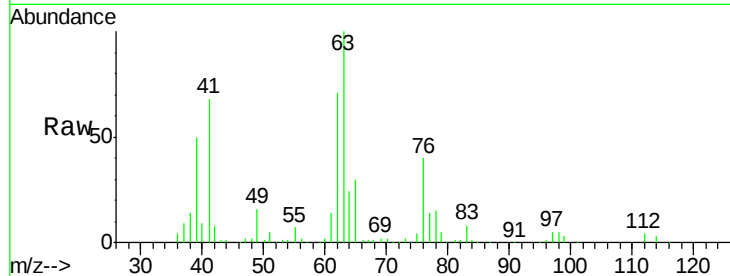




#45
 1,2-Dichloropropane
 Concen: 22.941 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

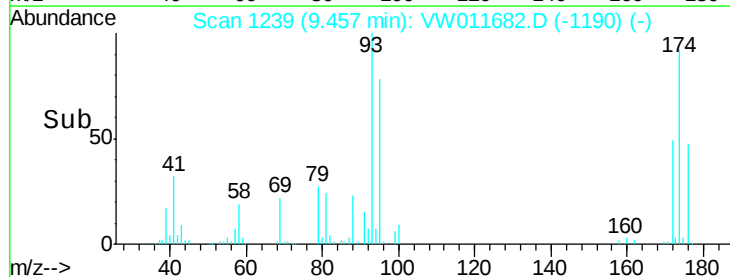
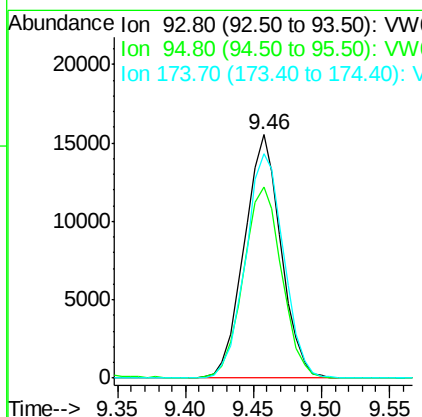
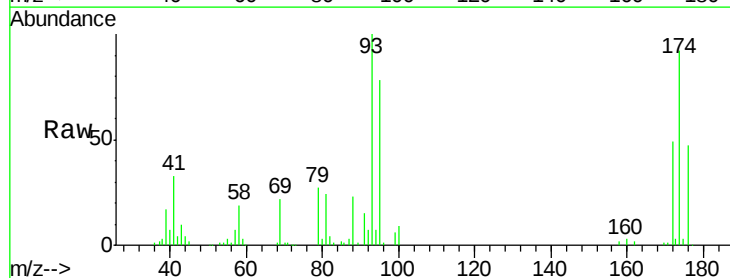
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

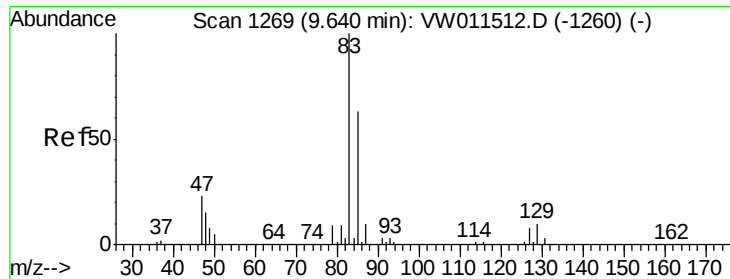
Tot Ion: 63 Resp: 65452
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.2 36.4



#46
 Dibromomethane
 Concen: 22.563 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 93 Resp: 29382
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.2 99.2
 174 95.5 78.2 117.4





#47

Bromodichloromethane

Concen: 21.915 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

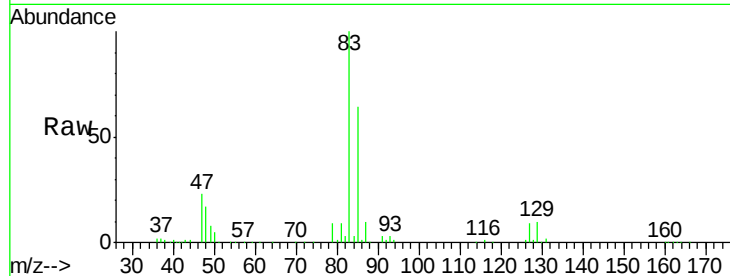
Tot Ion: 83 Resp: 74859

Ion Ratio Lower Upper

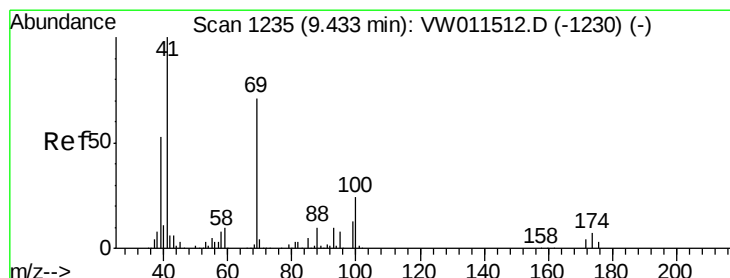
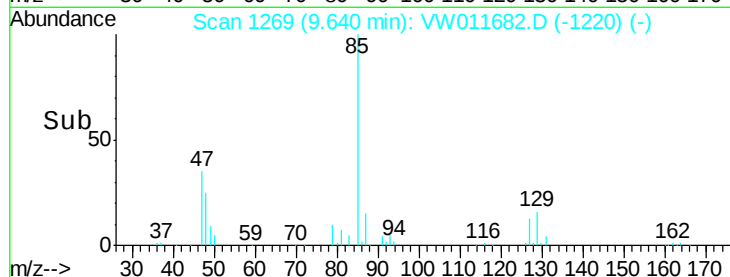
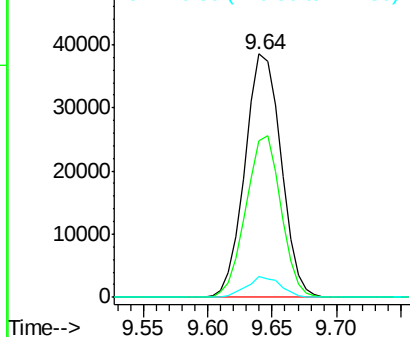
83 100

85 64.3 50.5 75.7

127 8.5 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.609 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

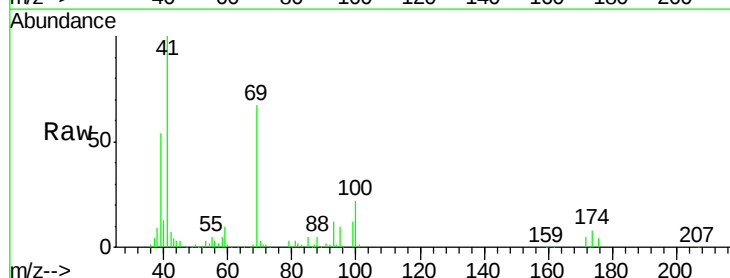
Tgt Ion: 41 Resp: 41809

Ion Ratio Lower Upper

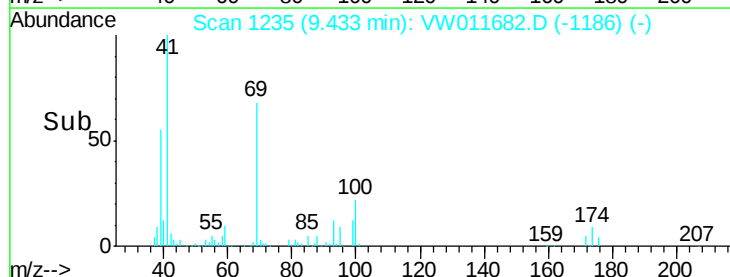
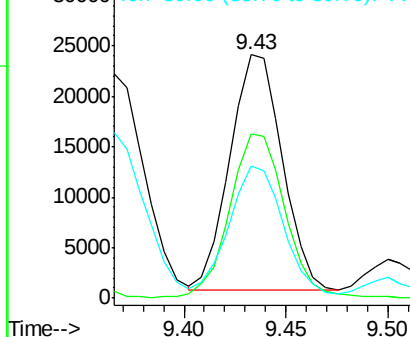
41 100

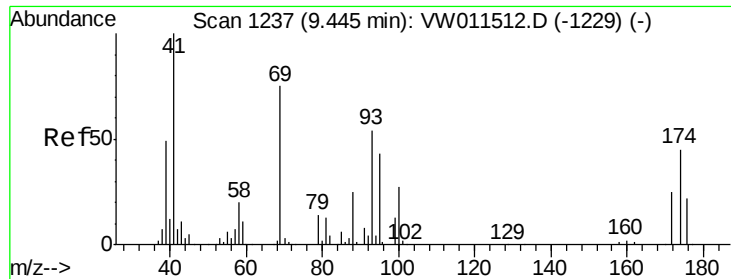
69 73.6 57.1 85.7

39 58.7 45.4 68.2



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





#49

1,4-Dioxane

Concen: 417.235 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

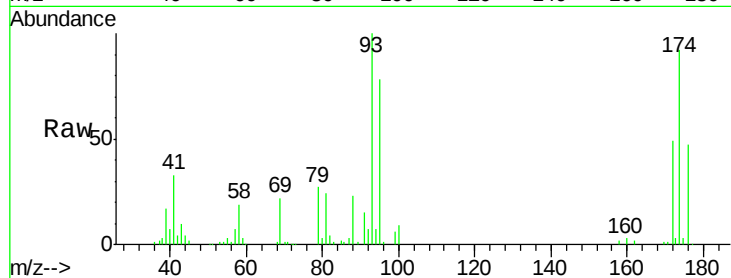
MSVOA_W

ClientSampleId :

VW0804SBS02

Tot Ion: 88 Resp: 7867

Ion	Ratio	Lower	Upper
88	100		
43	37.7	34.0	51.0
58	92.4	69.7	104.5

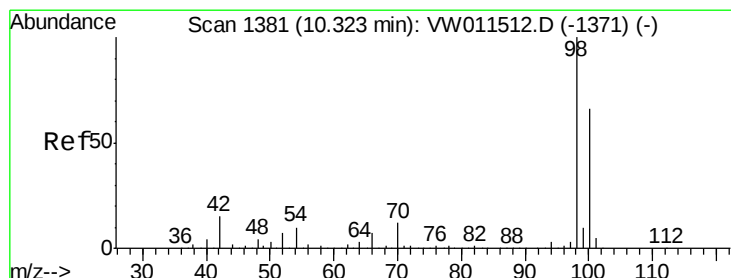
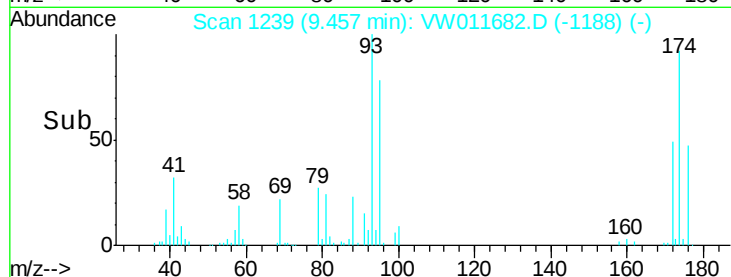
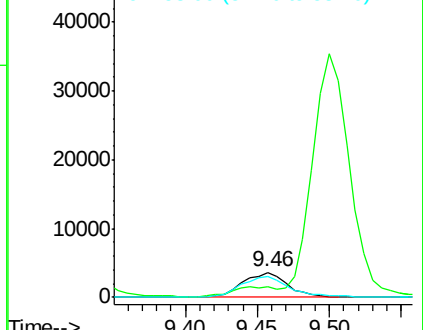


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.258 ug/l

RT: 10.32 min Scan# 1381

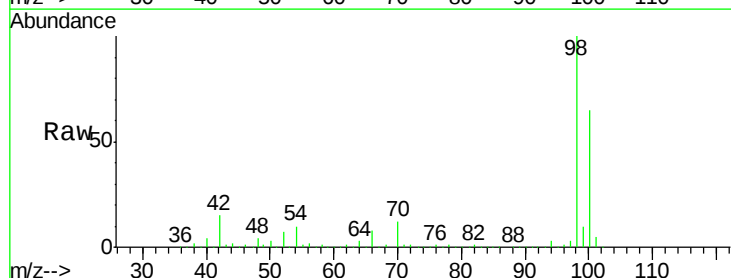
Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Tgt Ion: 98 Resp: 439454

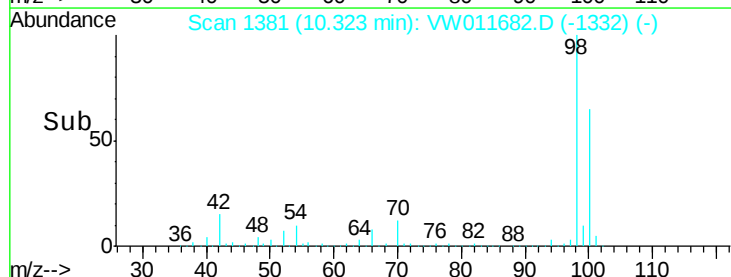
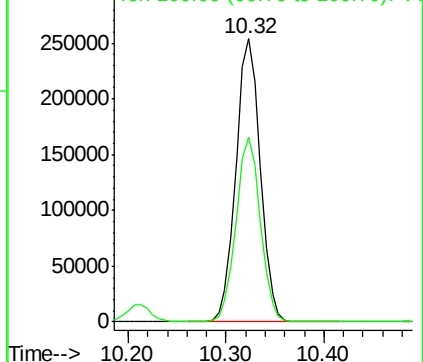
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 108.665 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

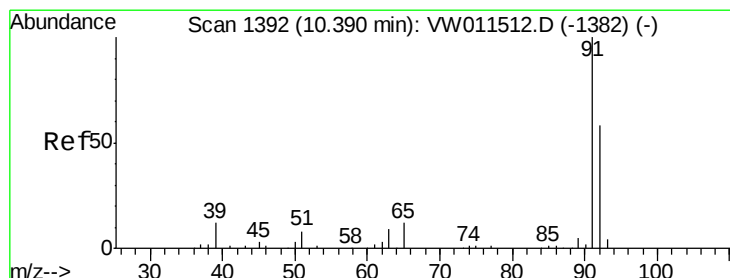
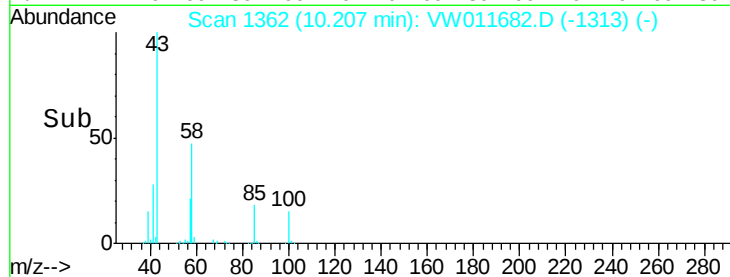
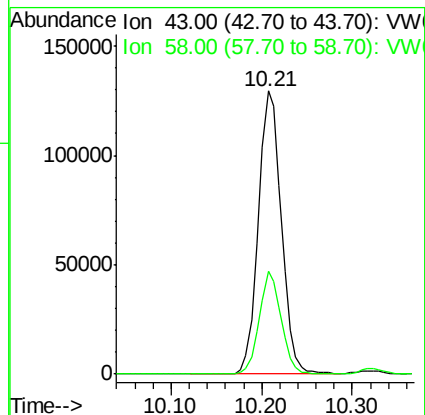
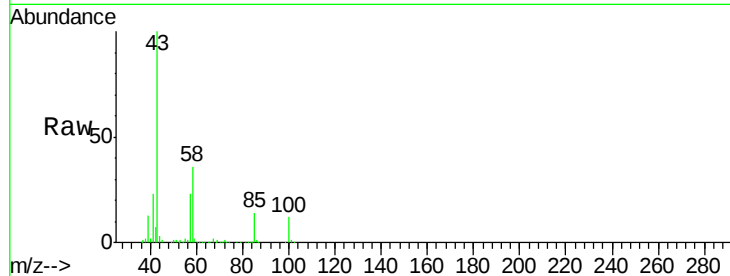
VW0804SBS02

Tot Ion: 43 Resp: 227663

Ion Ratio Lower Upper

43 100

58 34.6 28.2 42.2



#52

Toluene

Concen: 22.779 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011682.D

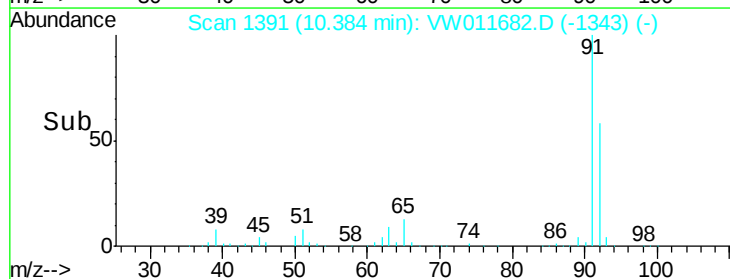
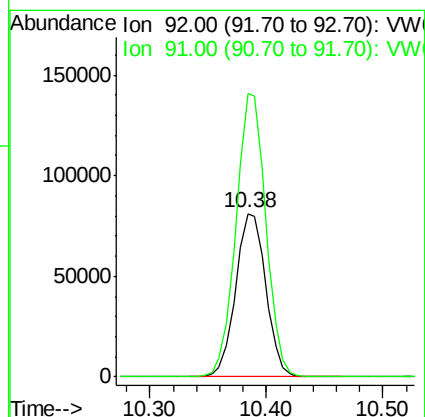
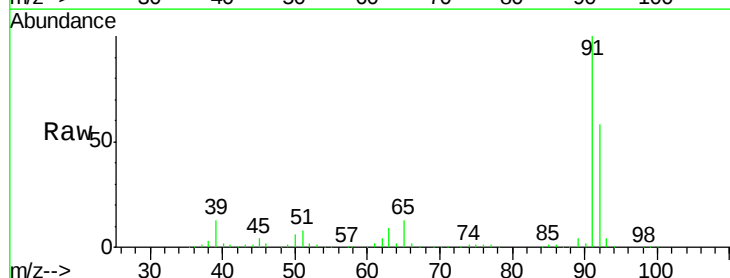
Acq: 03 Aug 2019 23:59

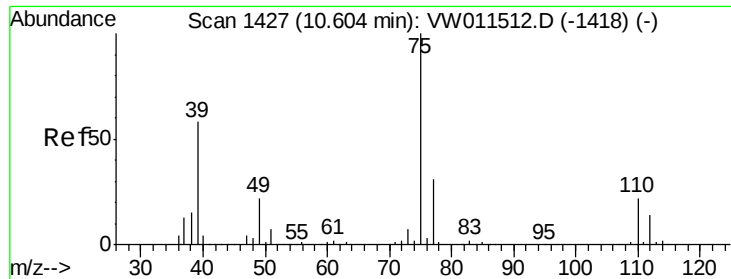
Tgt Ion: 92 Resp: 146686

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1

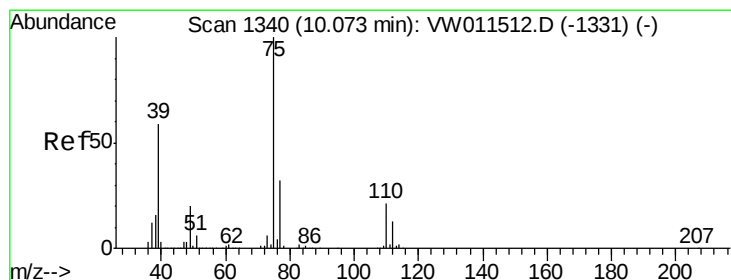
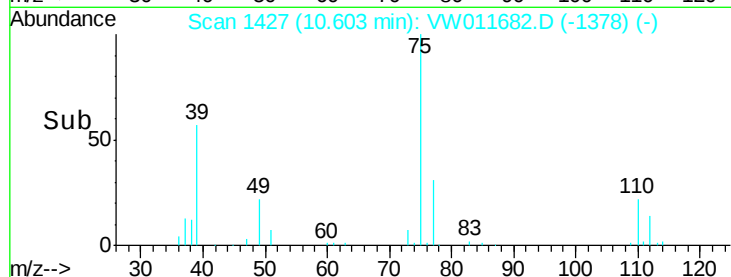
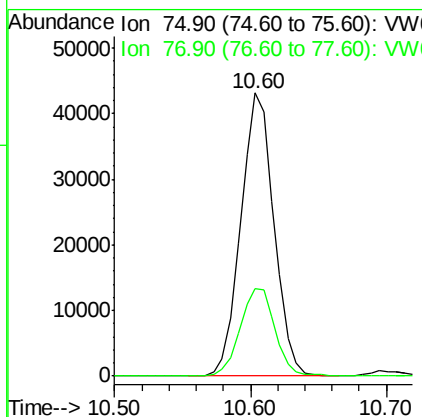
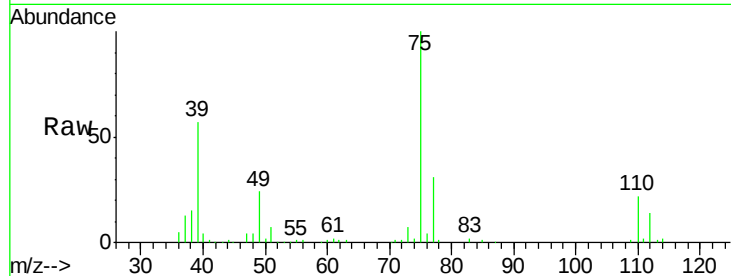




#53
 t-1,3-Dichloropropene
 Concen: 20.582 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

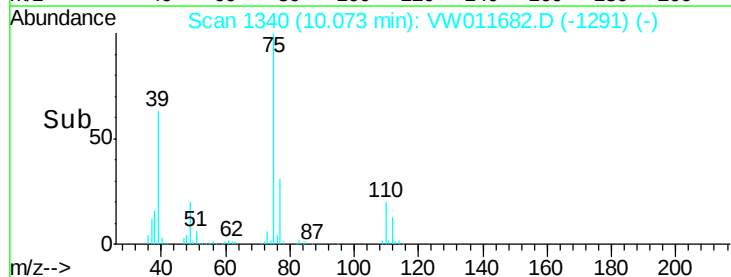
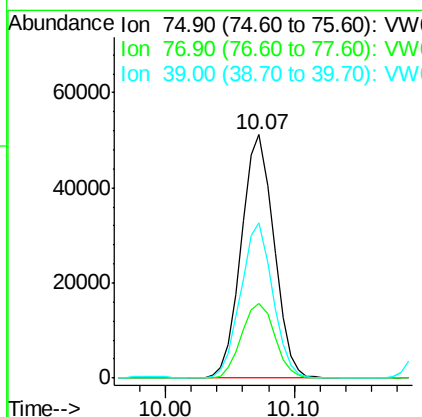
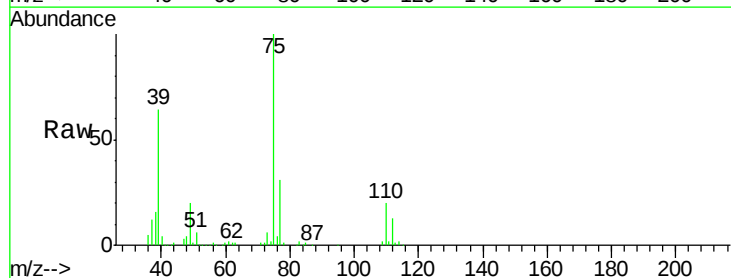
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

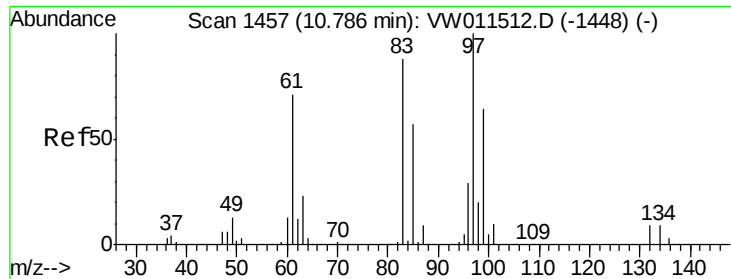
Tot Ion: 75 Resp: 73443
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.181 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 75 Resp: 89861
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4
 39 63.4 47.0 70.4

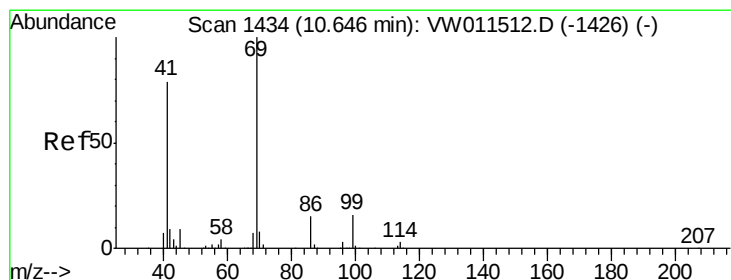
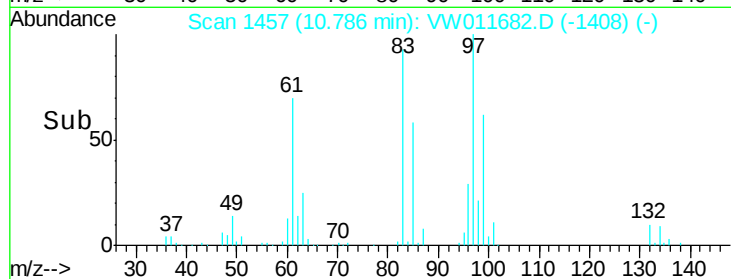
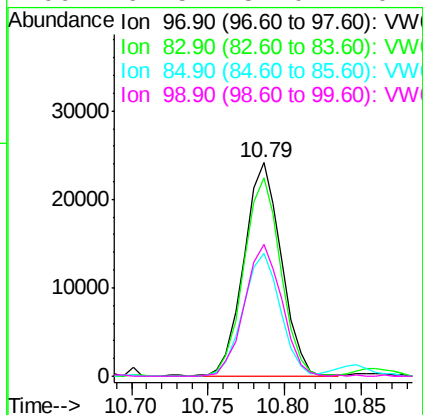
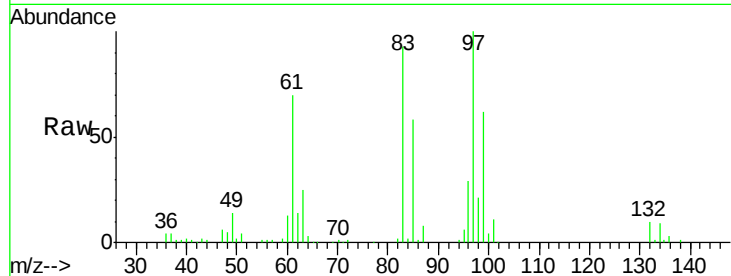




#55
 1,1,2-Trichloroethane
 Concen: 22.249 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

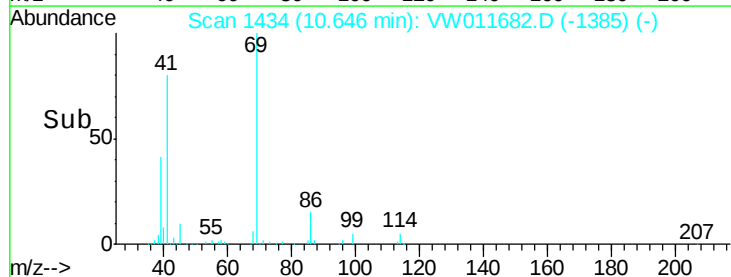
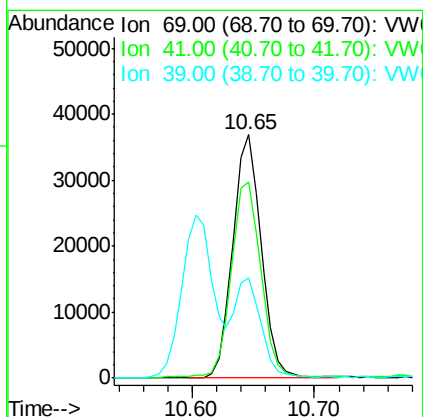
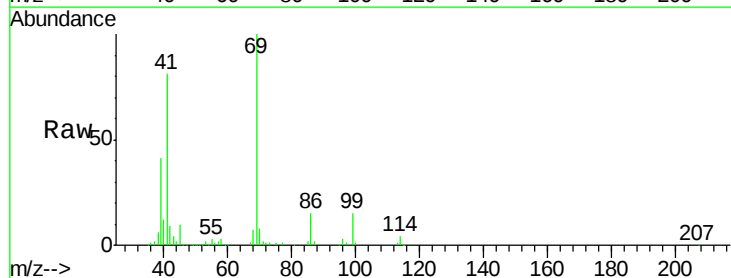
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

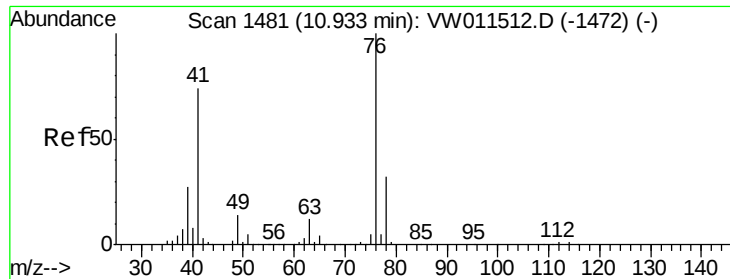
Tot Ion:	97	Resp:	41108
Ion	Ratio	Lower	Upper
97	100		
83	92.8	70.5	105.7
85	57.8	45.8	68.6
99	61.5	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 21.875 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion:	69	Resp:	59144
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.6	99.8
39	37.9	30.3	45.5

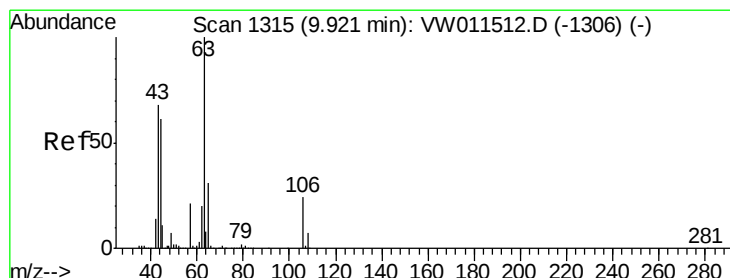
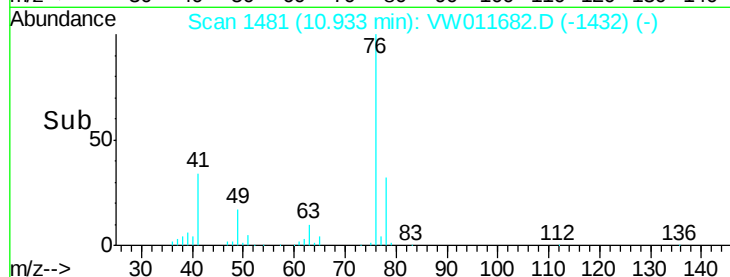
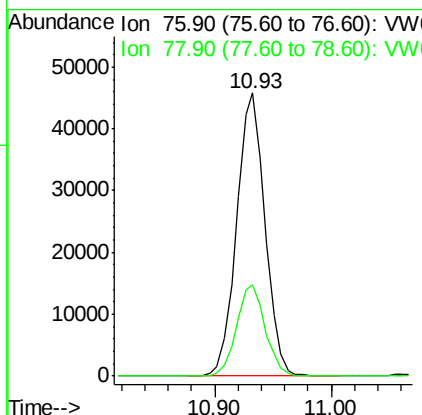
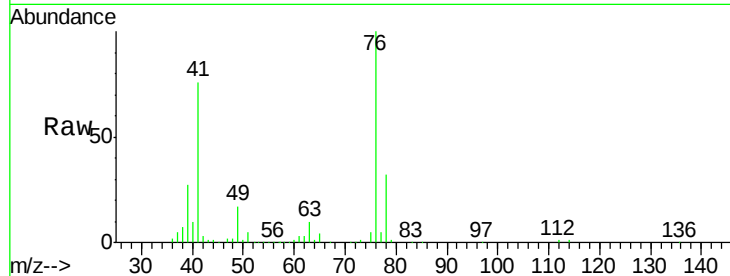




#57
 1,3-Dichloropropane
 Concen: 22.207 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

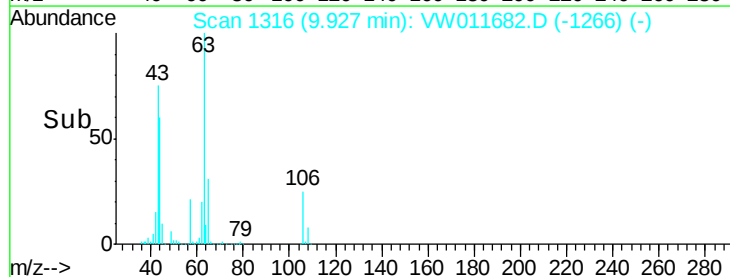
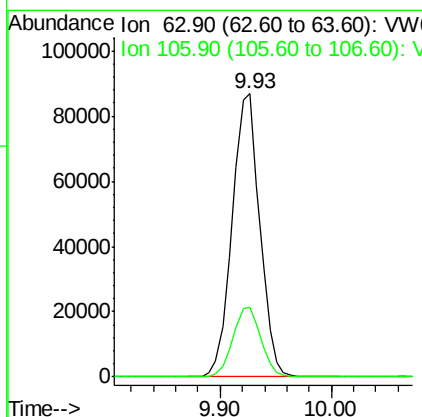
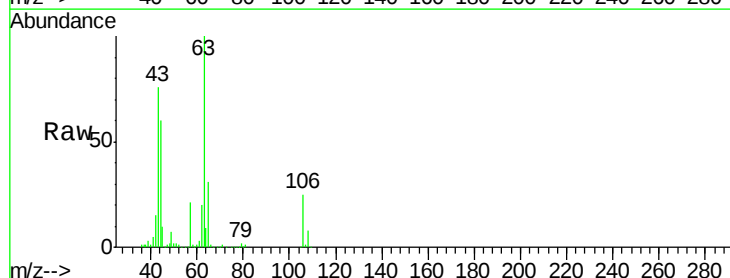
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

Tot Ion: 76 Resp: 77626
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.622 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 63 Resp: 149301
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5





#59

2-Hexanone

Concen: 100.637 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

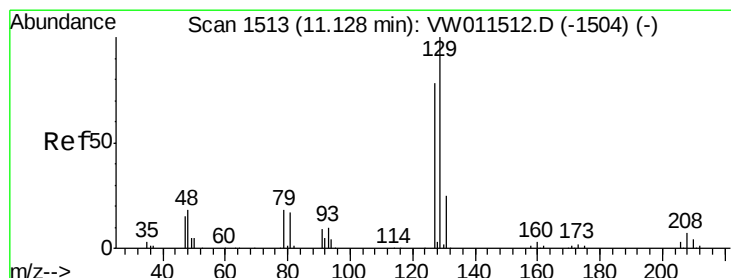
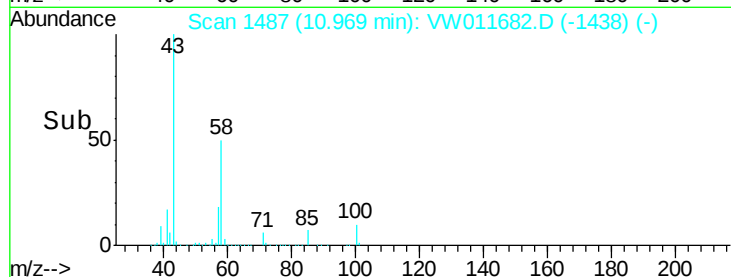
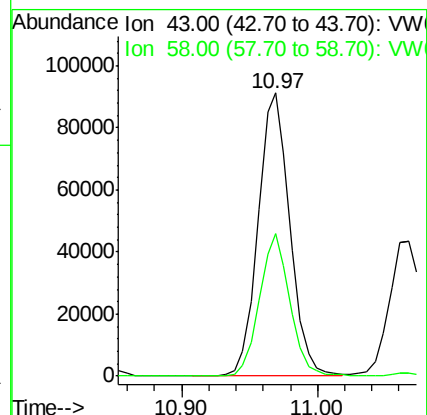
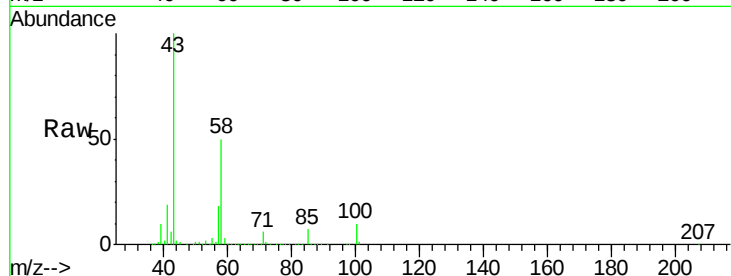
VW0804SBS02

Tot Ion: 43 Resp: 148870

Ion Ratio Lower Upper

43 100

58 48.5 24.3 72.9



#60

Dibromochloromethane

Concen: 21.788 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011682.D

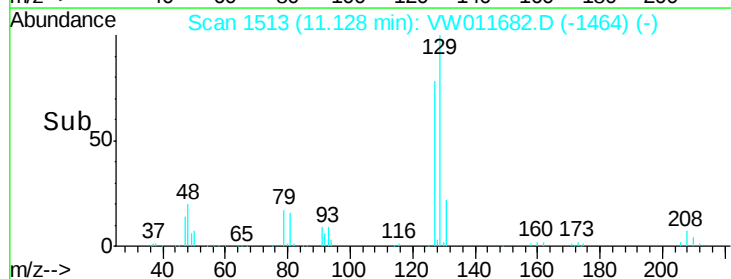
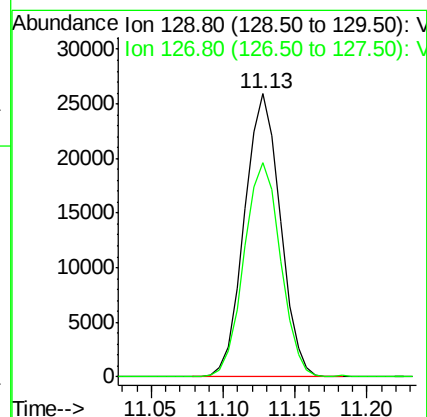
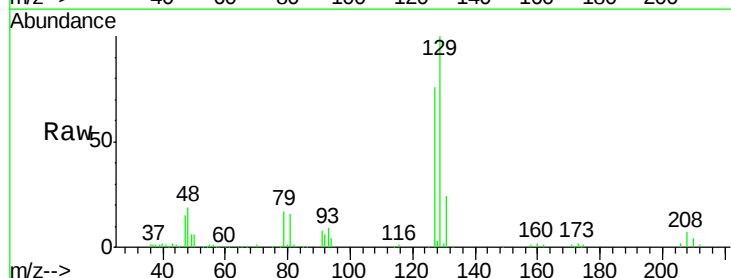
Acq: 03 Aug 2019 23:59

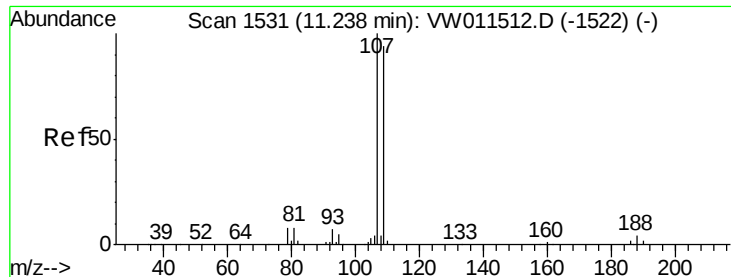
Tgt Ion: 129 Resp: 44685

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7

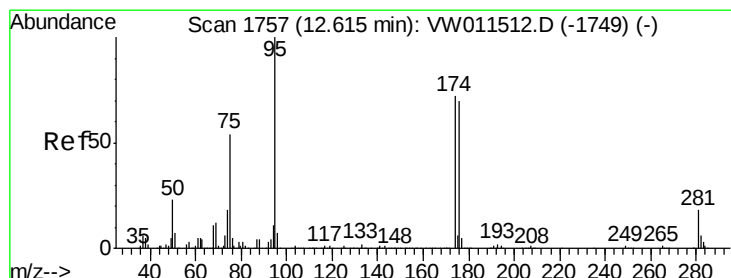
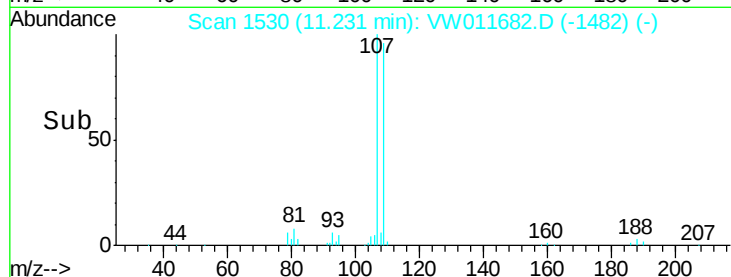
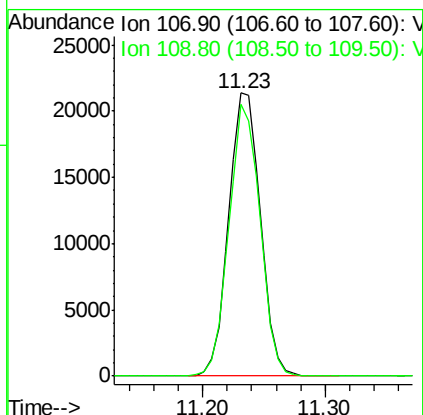
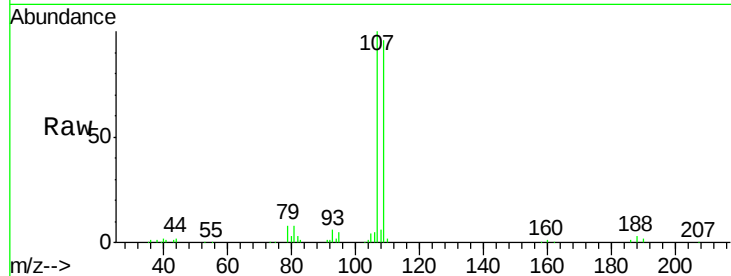




#61
 1,2-Dibromoethane
 Concen: 21.921 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

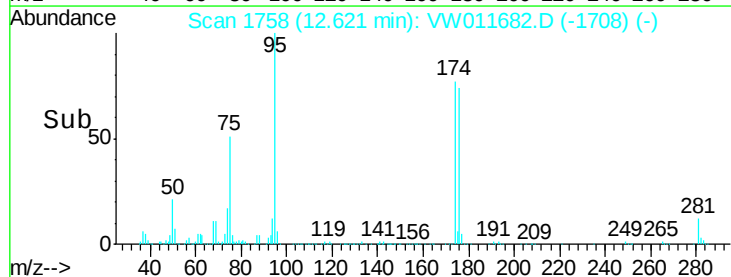
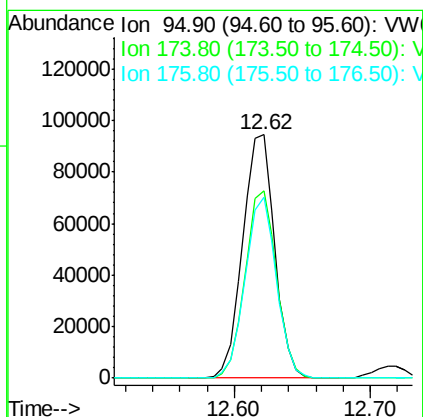
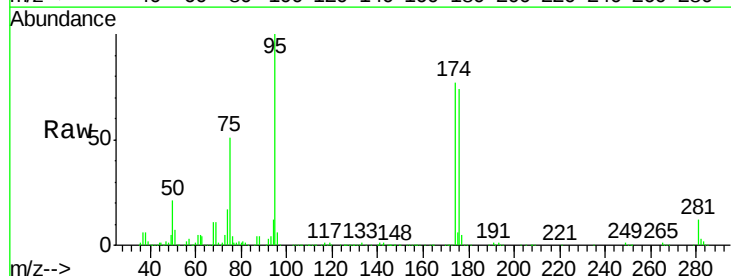
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

Tot Ion: 107 Resp: 38328
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.738 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion: 95 Resp: 155115
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 150.2
 176 72.8 0.0 144.4

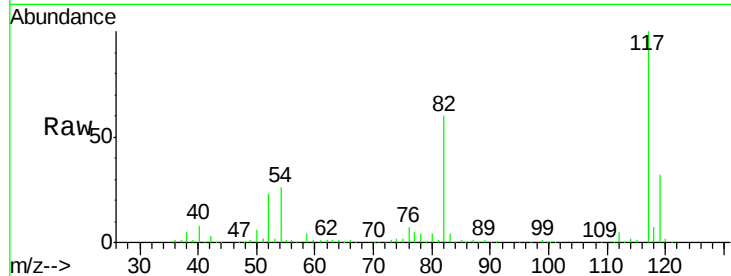




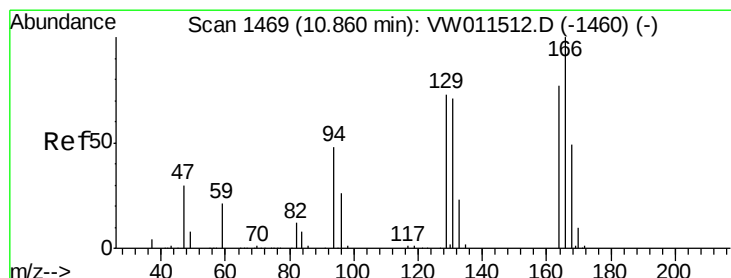
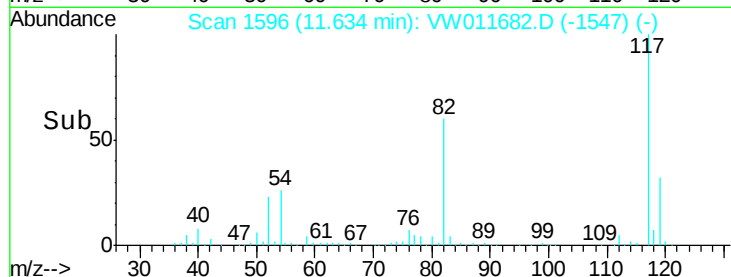
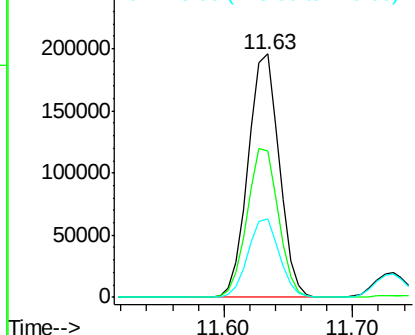
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

Tot Ion:117 Resp: 325414
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 32.4 26.2 39.2

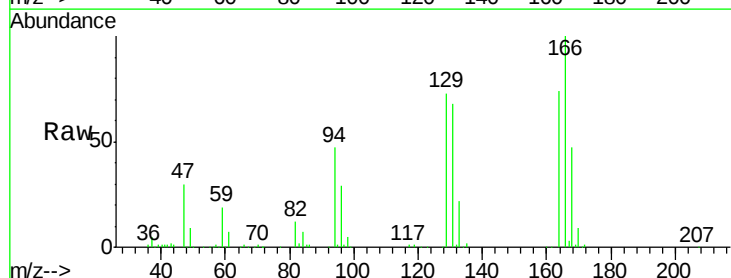


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

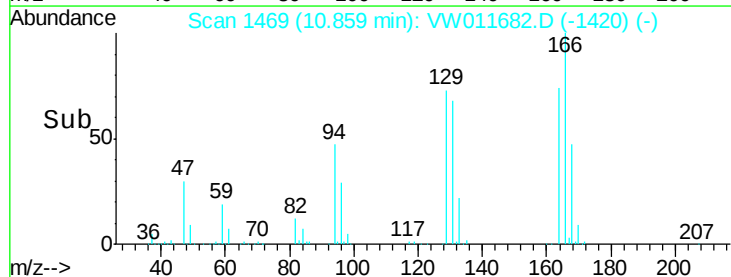
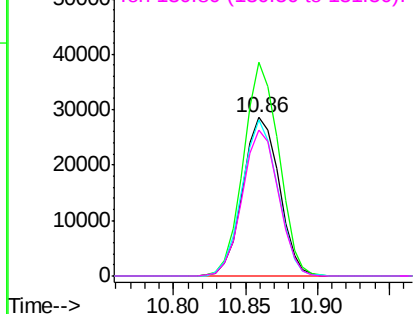


#64
Tetrachloroethene
Concen: 23.514 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion:164 Resp: 49822
Ion Ratio Lower Upper
164 100
166 135.1 103.5 155.3
129 98.8 75.2 112.8
131 92.2 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

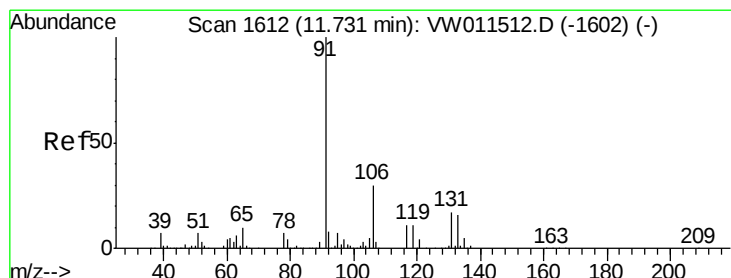
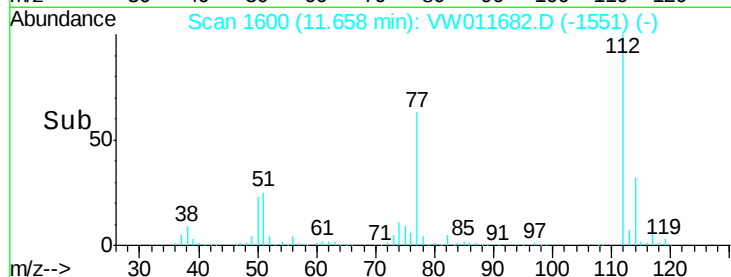
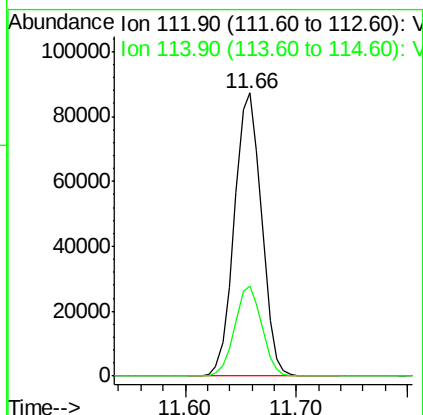
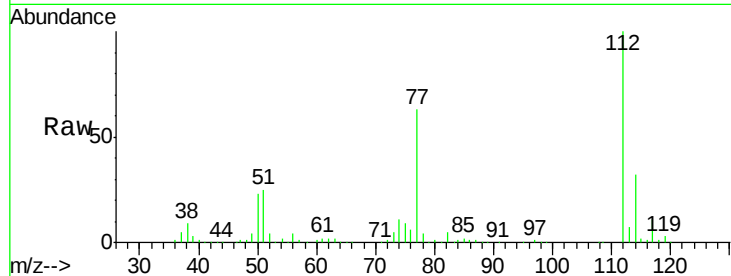




#65
Chlorobenzene
Concen: 22.499 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

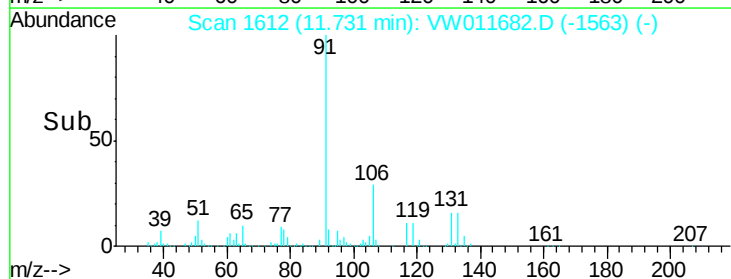
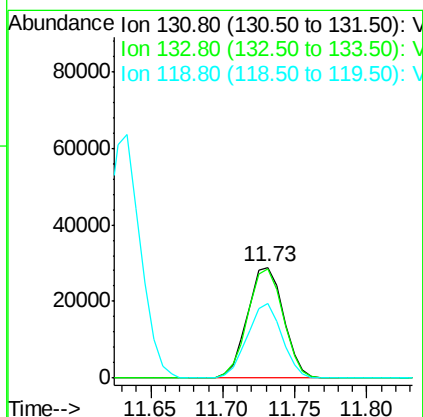
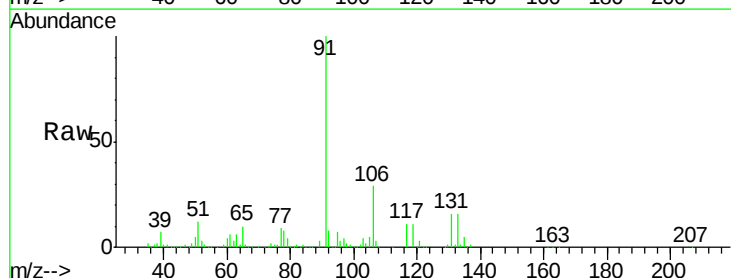
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

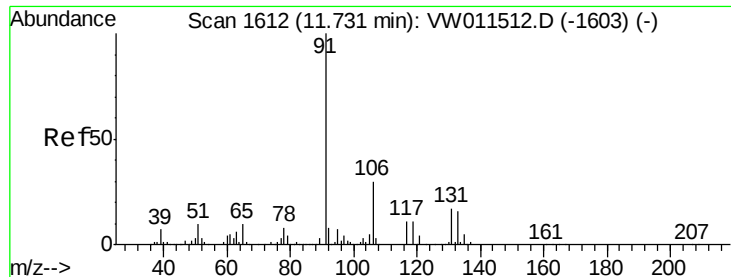
Tot Ion:112 Resp: 147196
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.096 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion:131 Resp: 50354
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 64.5 32.3 96.9

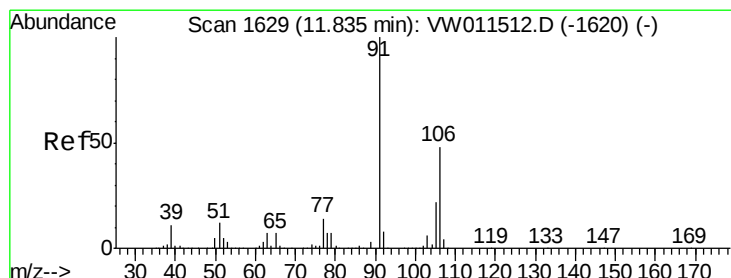
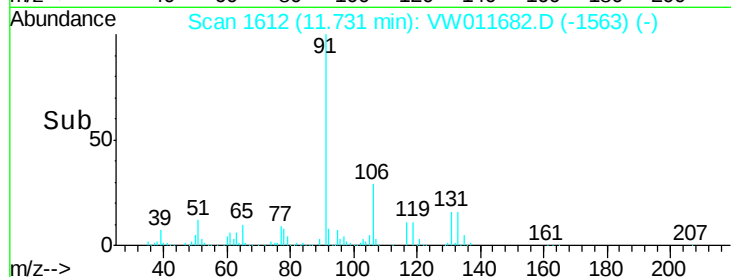
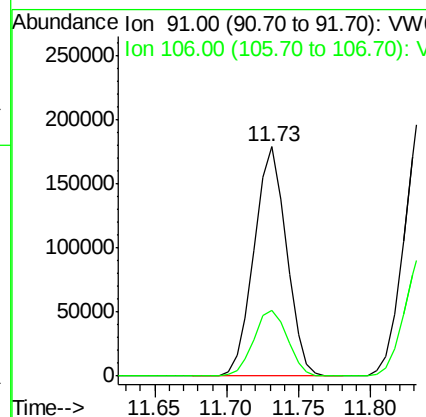
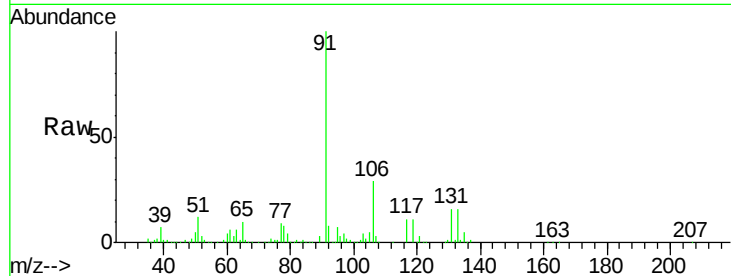




#67
Ethyl Benzene
Concen: 22.313 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

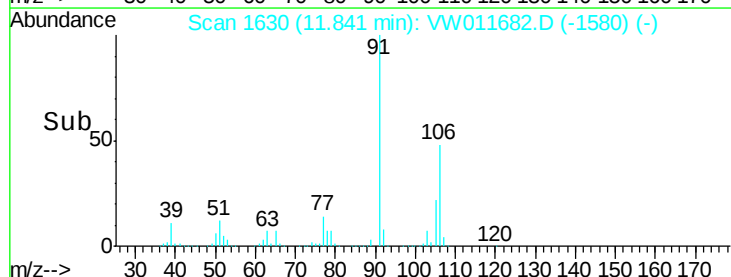
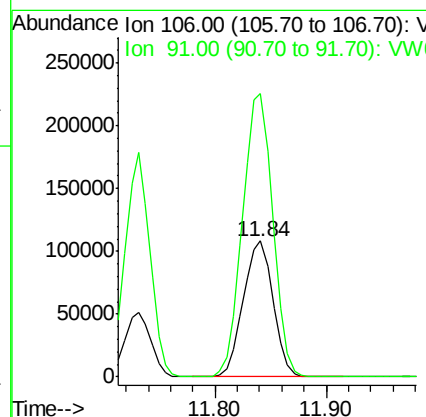
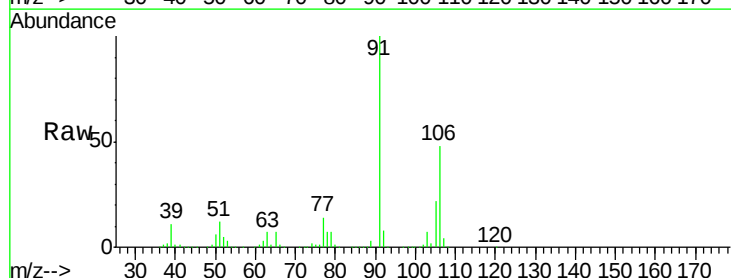
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

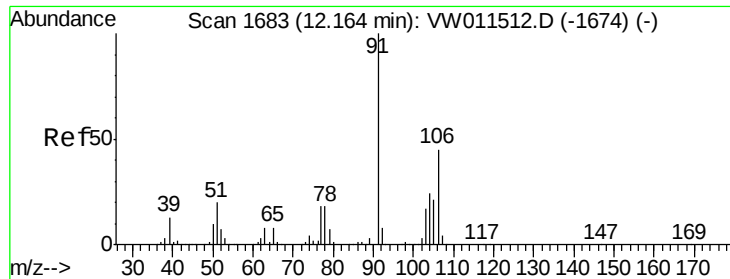
Tot Ion: 91 Resp: 278024
Ion Ratio Lower Upper
91 100
106 28.9 23.8 35.6



#68
m/p-Xylenes
Concen: 44.460 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion: 106 Resp: 201466
Ion Ratio Lower Upper
106 100
91 211.1 168.2 252.2

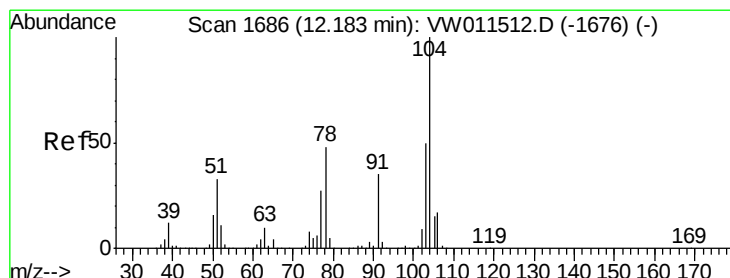
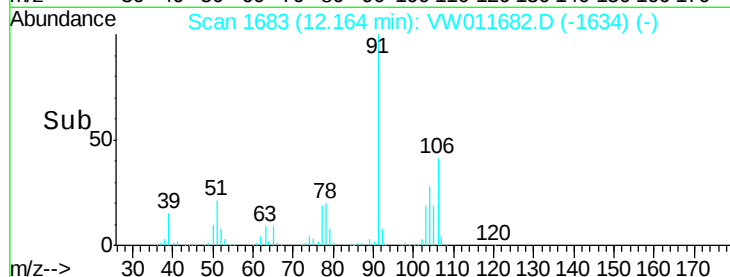
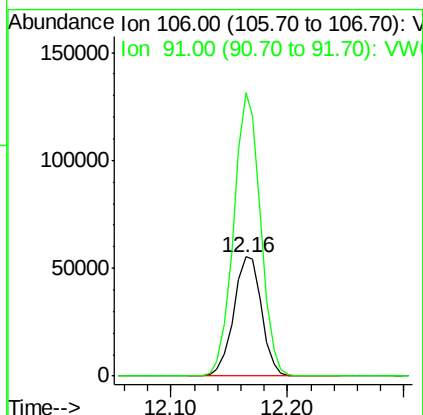
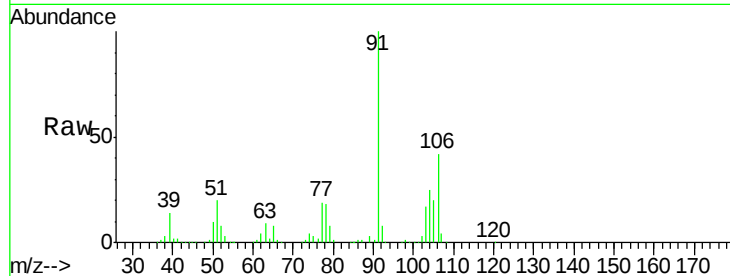




#69
o-Xylene
Concen: 21.966 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

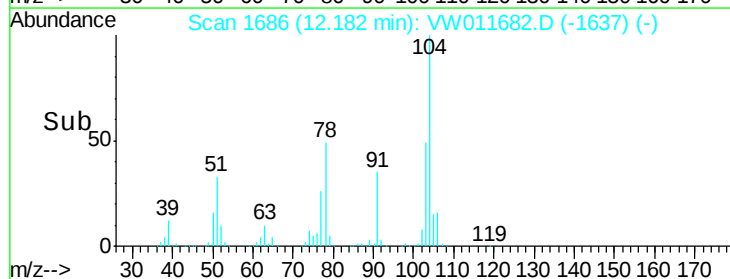
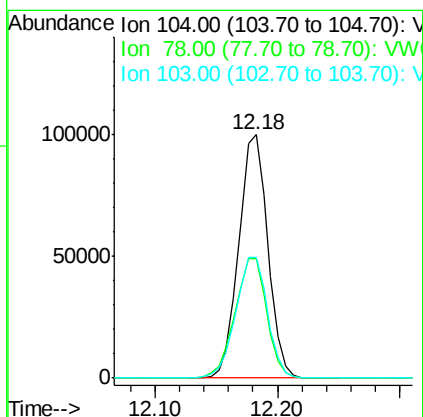
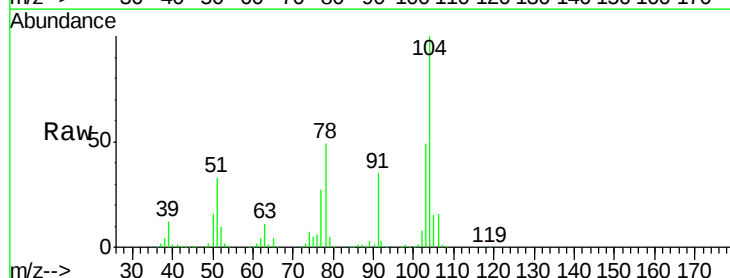
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

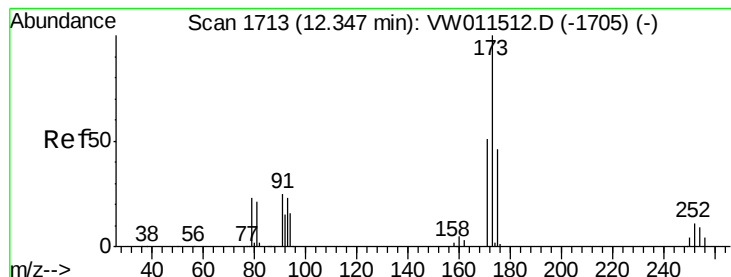
Tot Ion:106 Resp: 92495
Ion Ratio Lower Upper
106 100
91 227.4 110.5 331.5



#70
Styrene
Concen: 22.637 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion:104 Resp: 164814
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 54.2 43.9 65.9





#71

Bromoform

Concen: 21.096 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

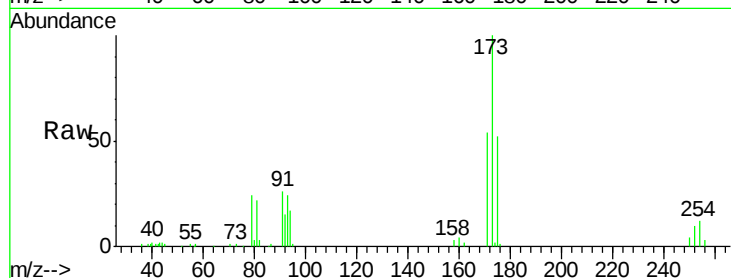
Tot Ion:173 Resp: 24512

Ion Ratio Lower Upper

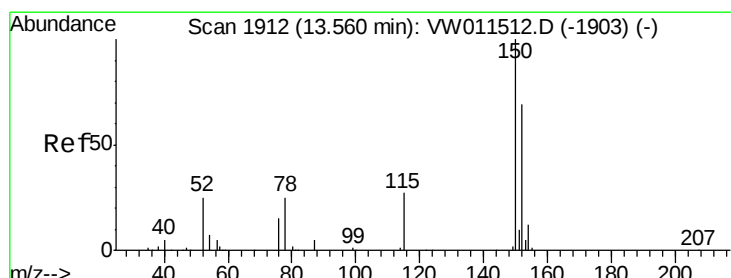
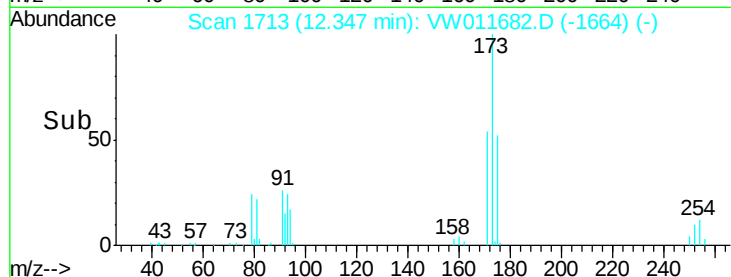
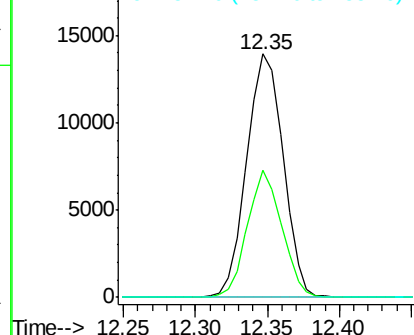
173 100

175 48.9 23.6 71.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

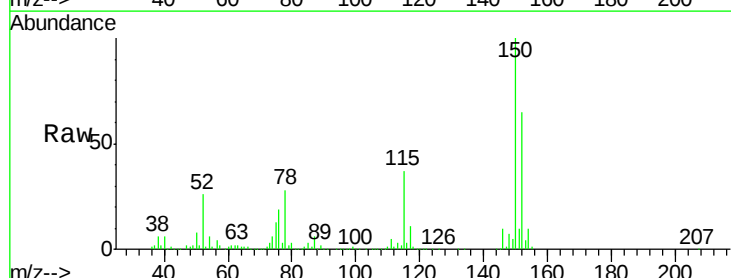
Tgt Ion:152 Resp: 157191

Ion Ratio Lower Upper

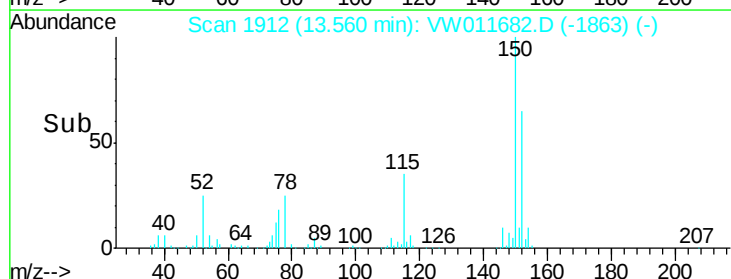
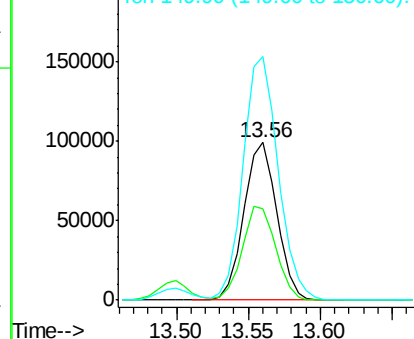
152 100

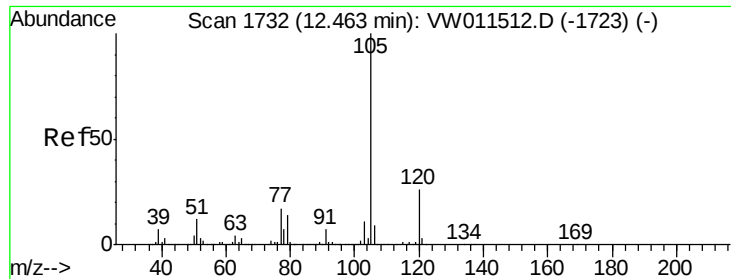
115 60.3 30.5 91.5

150 164.3 0.0 352.6



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: 22.189 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

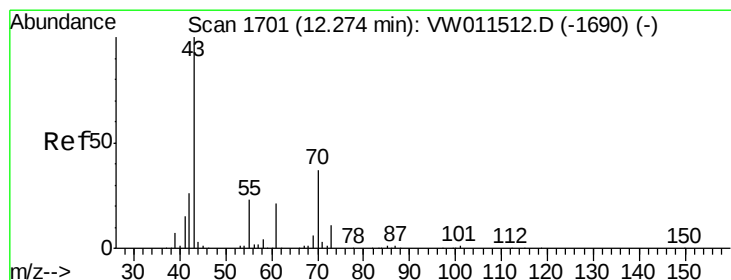
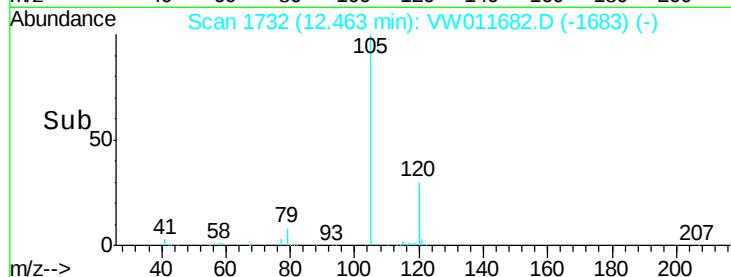
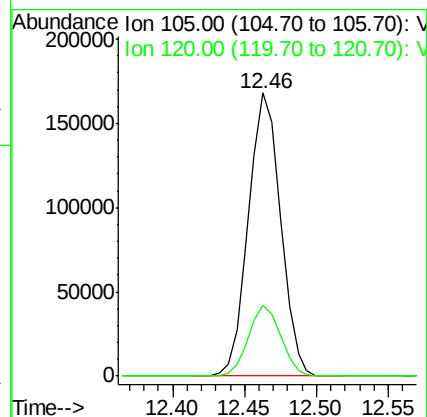
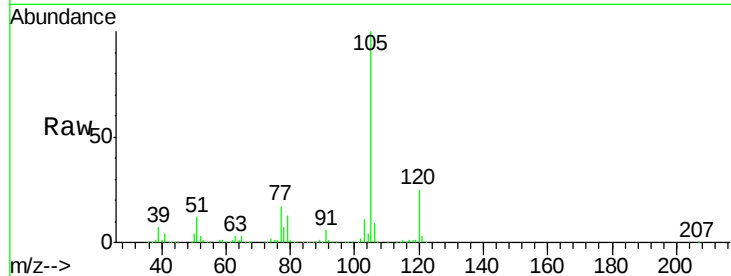
VW0804SBS02

Tot Ion:105 Resp: 260204

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.7



#74

N-ethyl acetate

Concen: 20.264 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Tgt Ion: 43 Resp: 74397

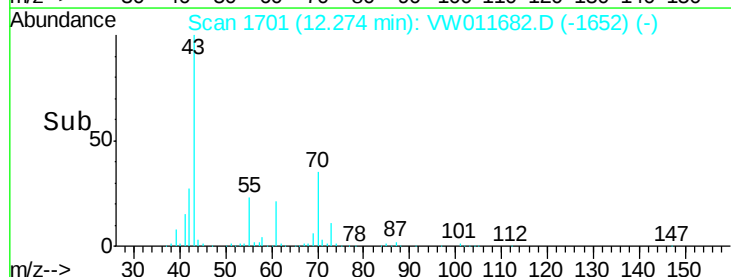
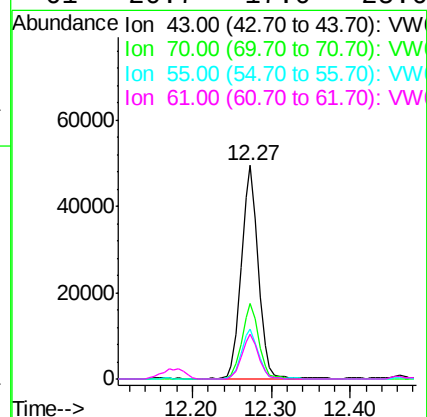
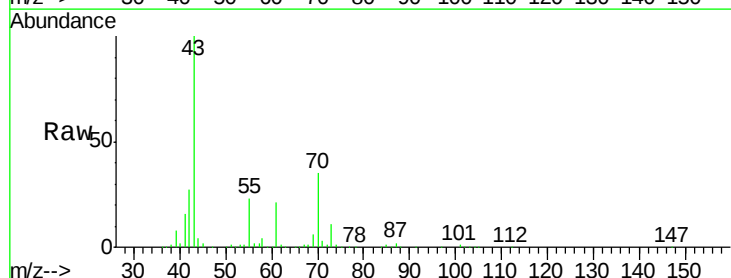
Ion Ratio Lower Upper

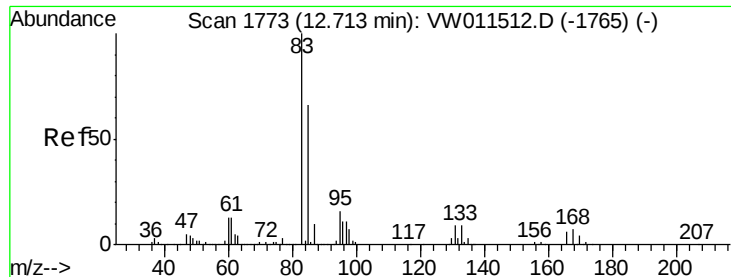
43 100

70 34.9 28.6 43.0

55 23.3 17.8 26.8

61 20.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.134 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

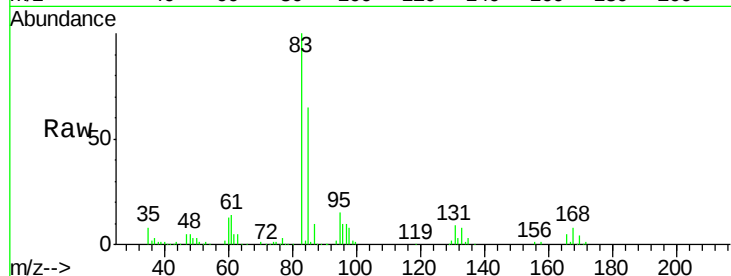
Tot Ion: 83 Resp: 48823

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

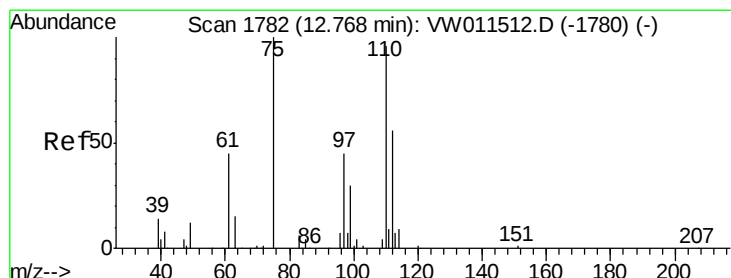
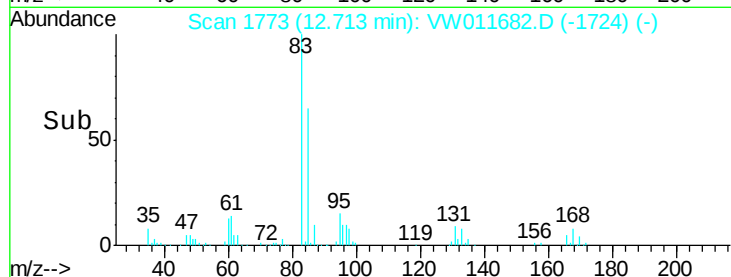
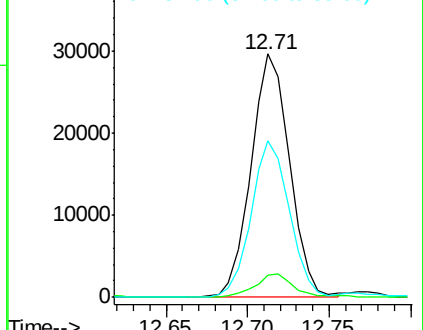
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 24.719 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011682.D

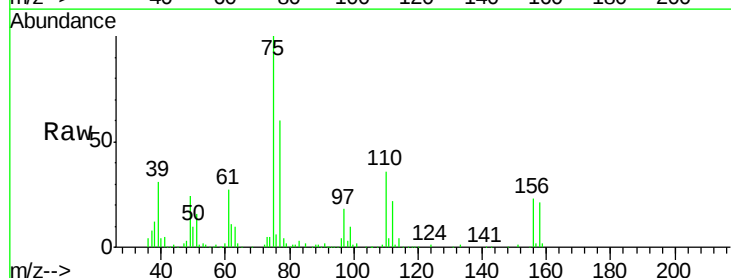
Acq: 03 Aug 2019 23:59

Tgt Ion: 75 Resp: 41114

Ion Ratio Lower Upper

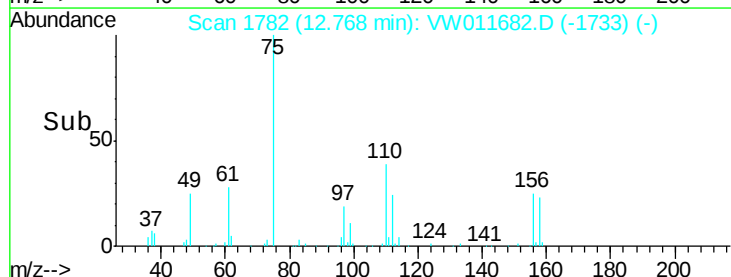
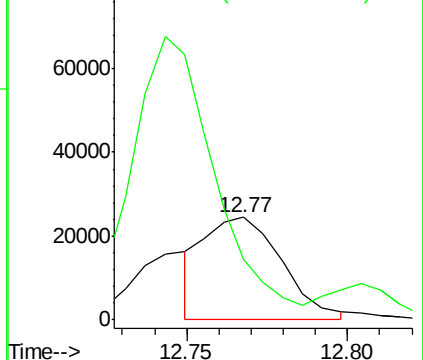
75 100

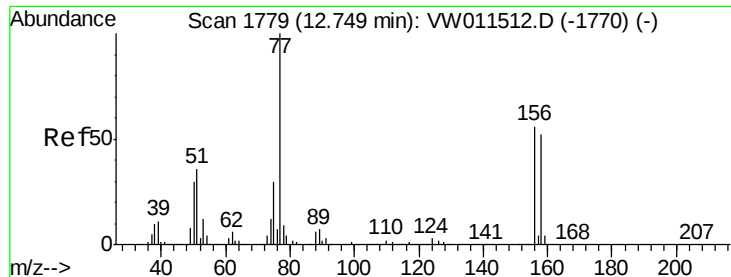
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.449 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

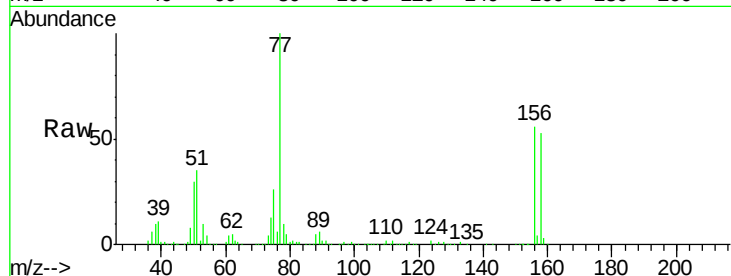
Tot Ion:156 Resp: 58187

Ion Ratio Lower Upper

156 100

77 211.2 106.5 319.4

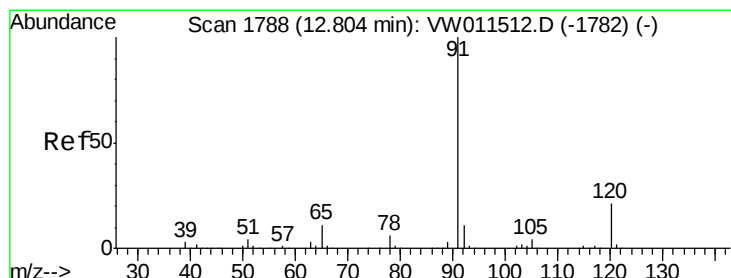
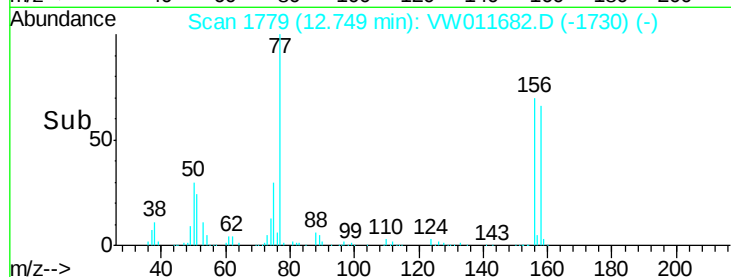
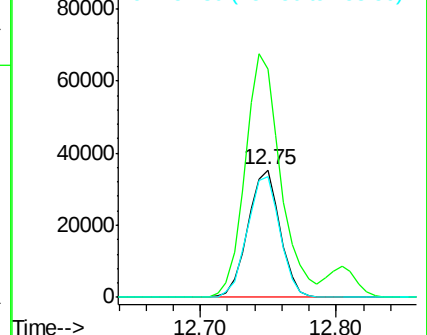
158 97.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.218 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011682.D

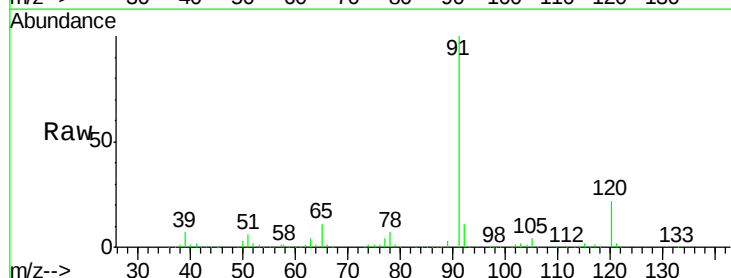
Acq: 03 Aug 2019 23:59

Tgt Ion: 91 Resp: 317087

Ion Ratio Lower Upper

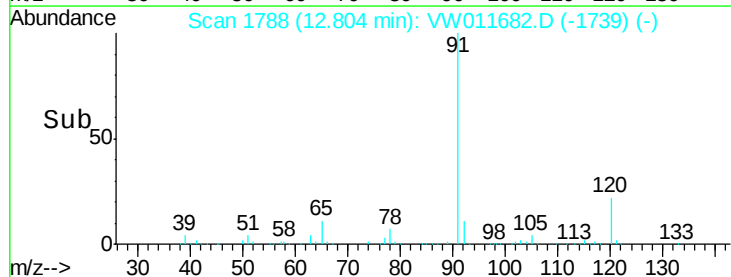
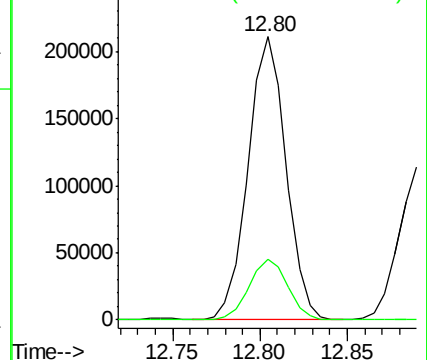
91 100

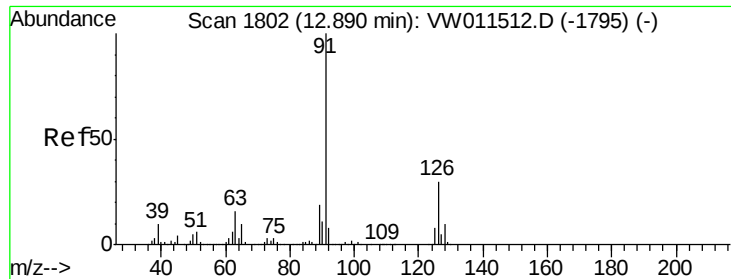
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.390 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

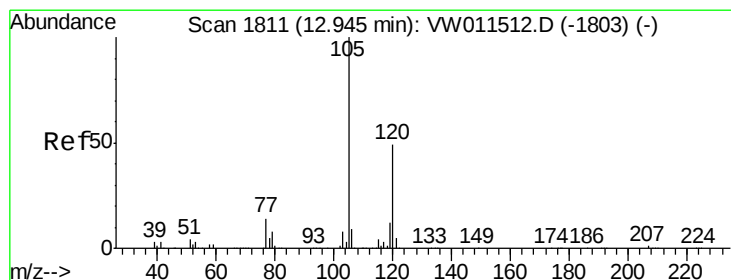
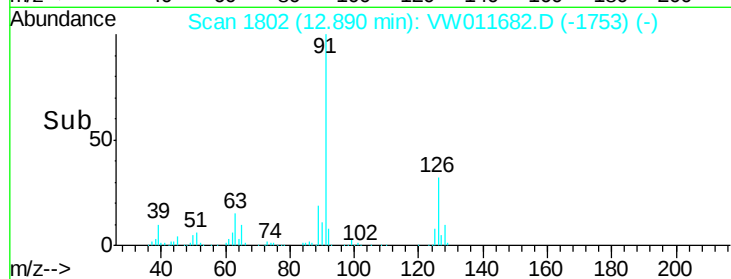
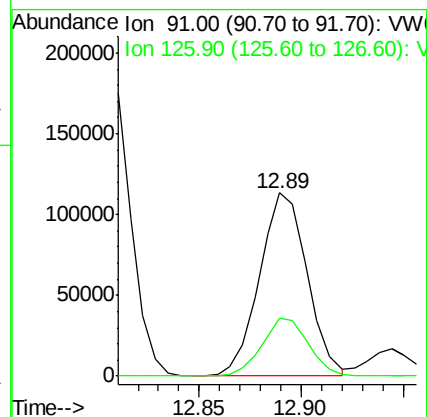
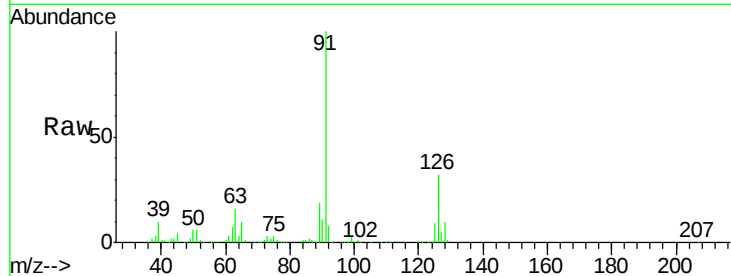
VW0804SBS02

Tot Ion: 91 Resp: 184085

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.617 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011682.D

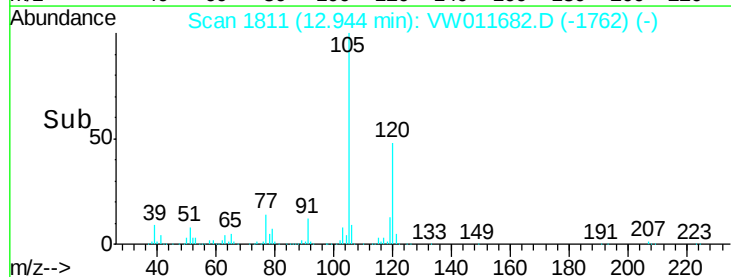
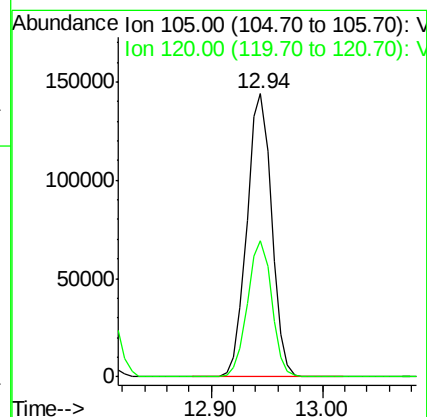
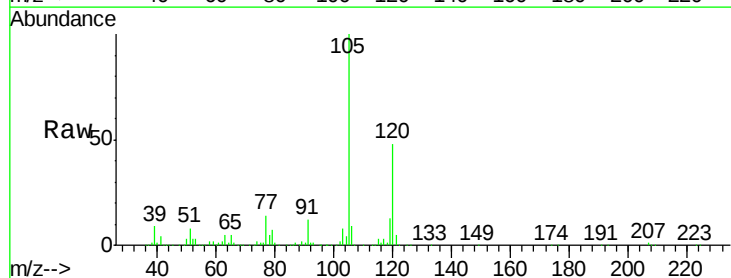
Acq: 03 Aug 2019 23:59

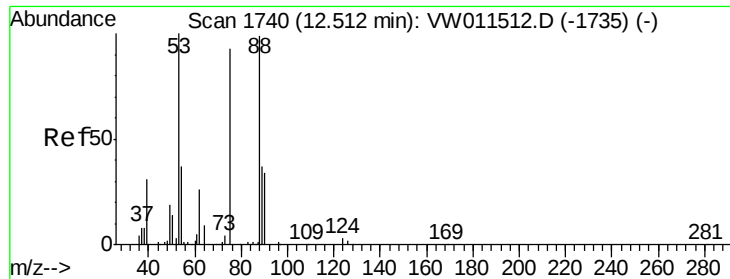
Tgt Ion:105 Resp: 222327

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.720 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

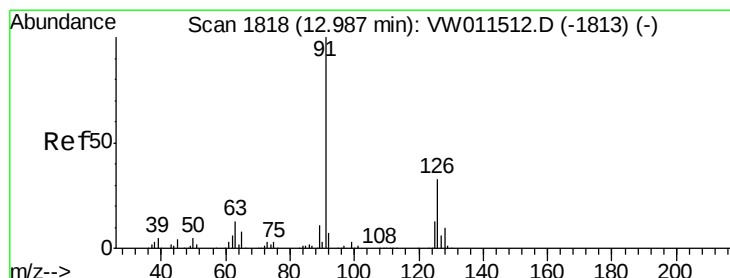
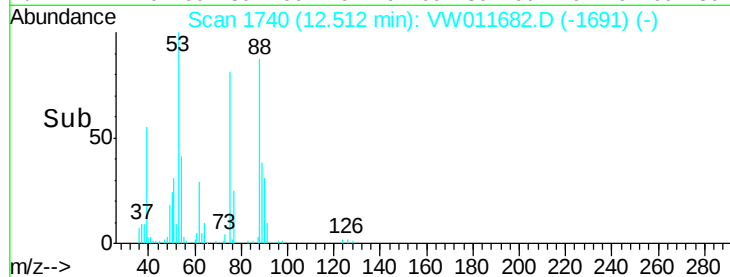
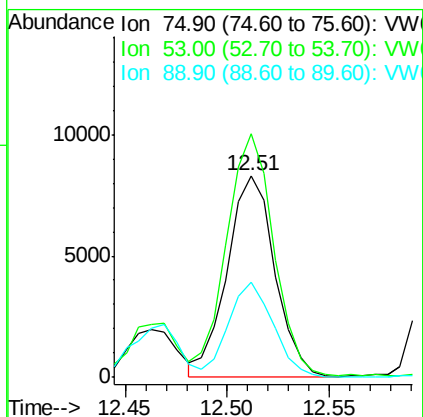
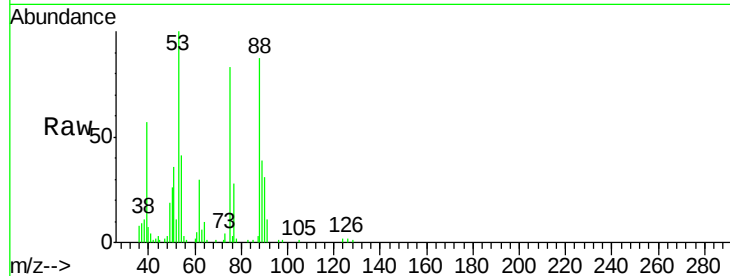
Tot Ion: 75 Resp: 13510

Ion Ratio Lower Upper

75 100

53 121.1 88.0 132.0

89 44.2 35.3 52.9



#82

4-Chlorotoluene

Concen: 22.737 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011682.D

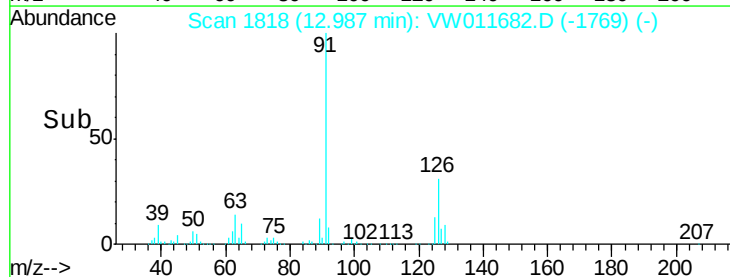
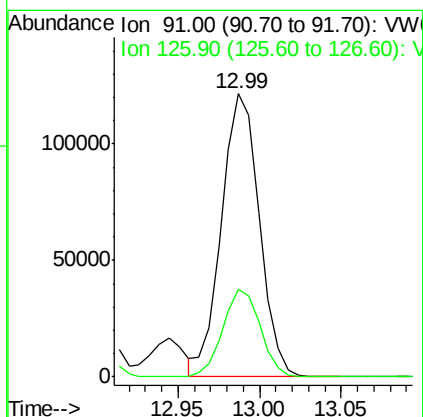
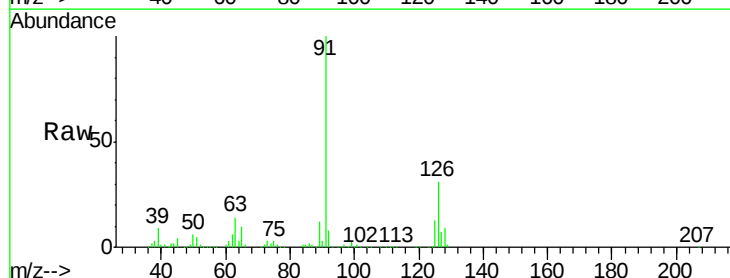
Acq: 03 Aug 2019 23:59

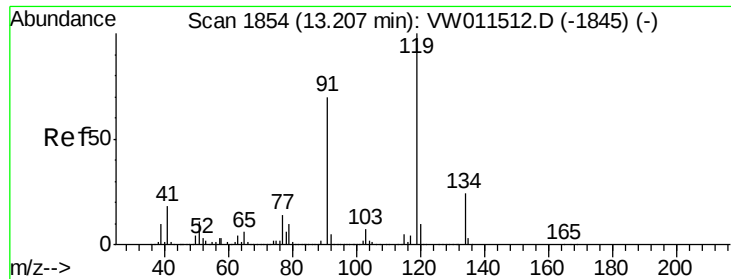
Tgt Ion: 91 Resp: 196142

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.8

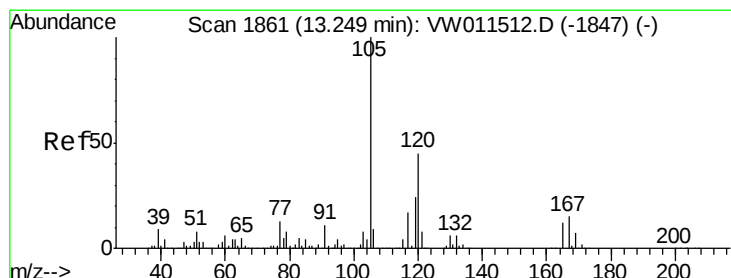
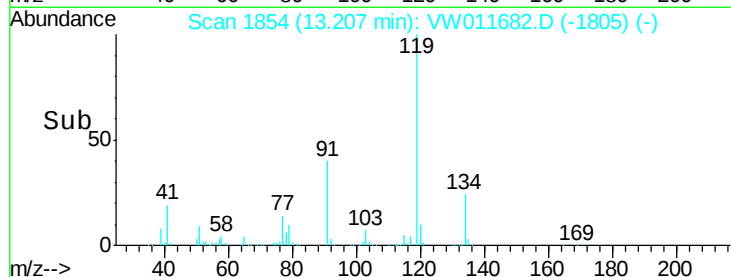
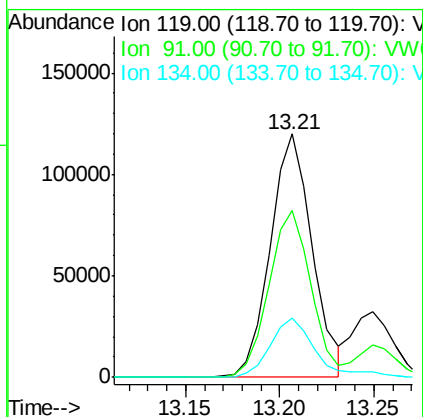
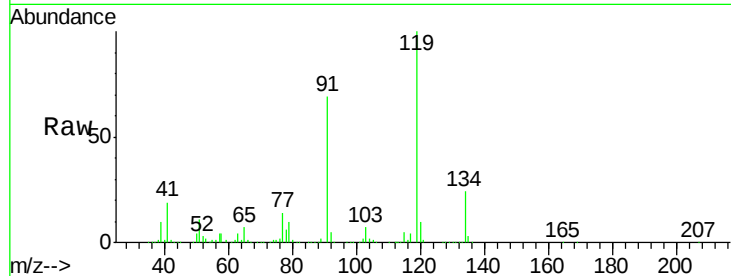




#83
tert-Butylbenzene
Concen: 22.464 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

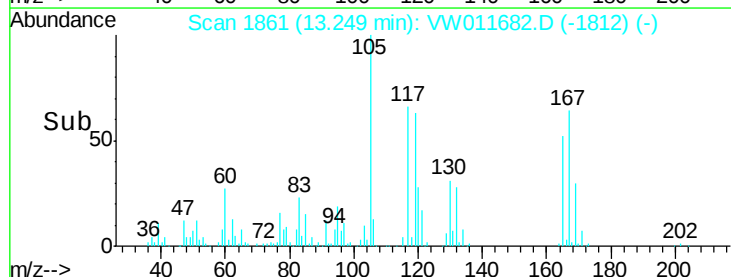
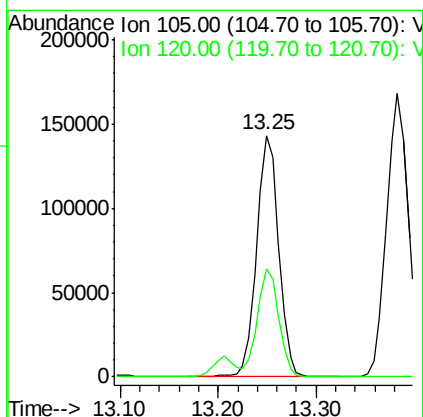
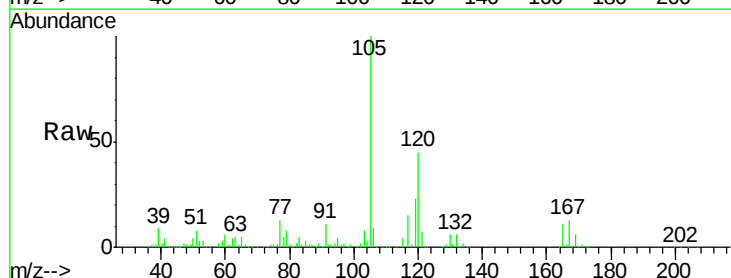
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS02

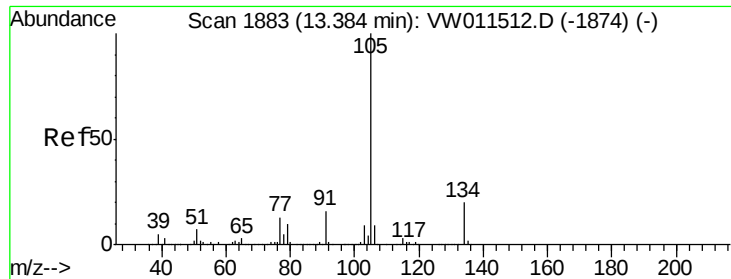
Tot Ion:119 Resp: 184662
Ion Ratio Lower Upper
119 100
91 68.9 34.5 103.6
134 26.4 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 22.618 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011682.D
Acq: 03 Aug 2019 23:59

Tgt Ion:105 Resp: 223969
Ion Ratio Lower Upper
105 100
120 43.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 22.093 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

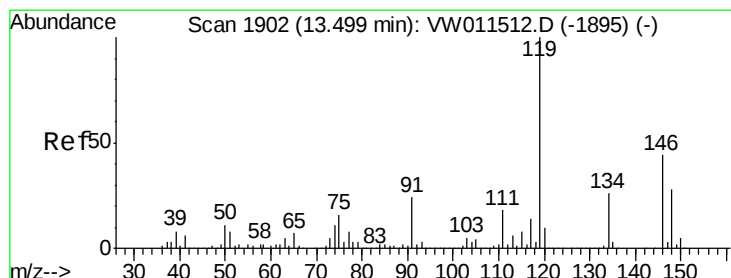
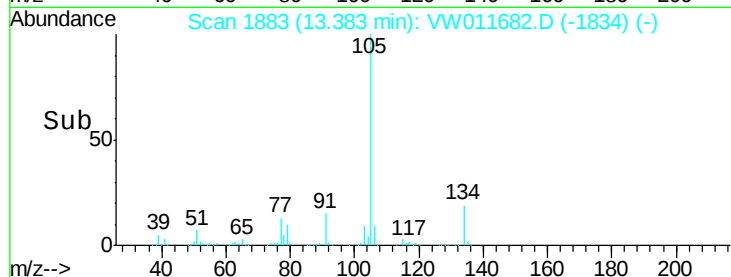
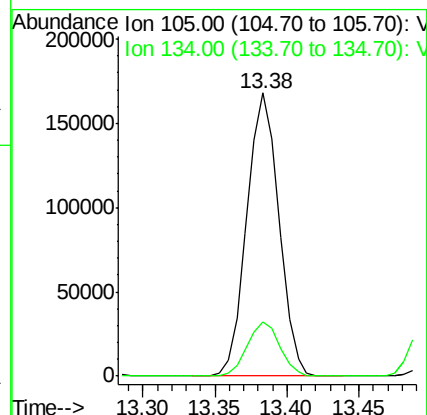
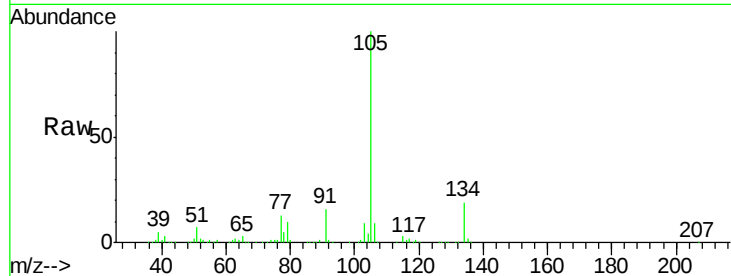
VW0804SBS02

Tot Ion:105 Resp: 259134

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 22.104 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

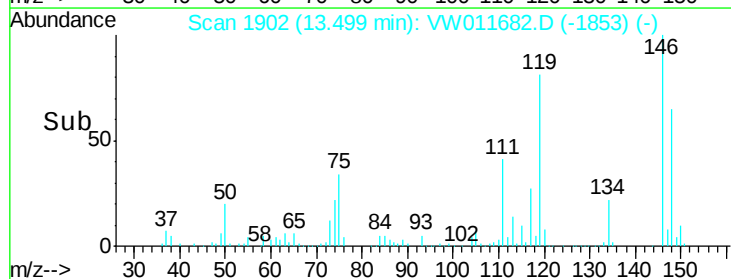
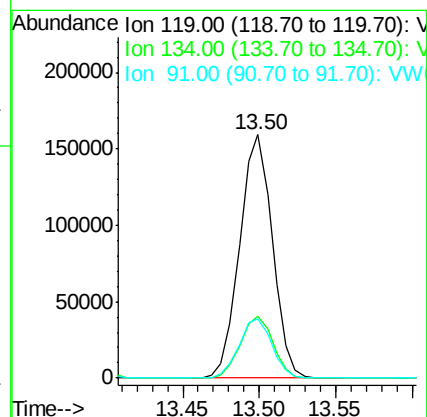
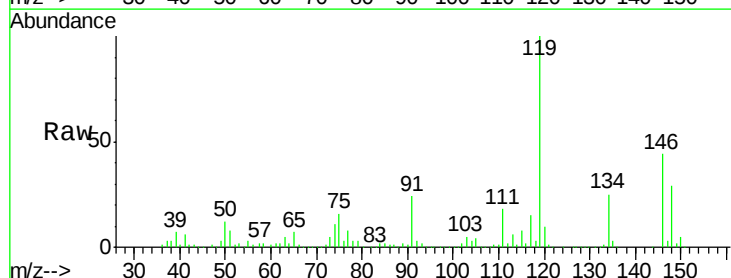
Tgt Ion:119 Resp: 235234

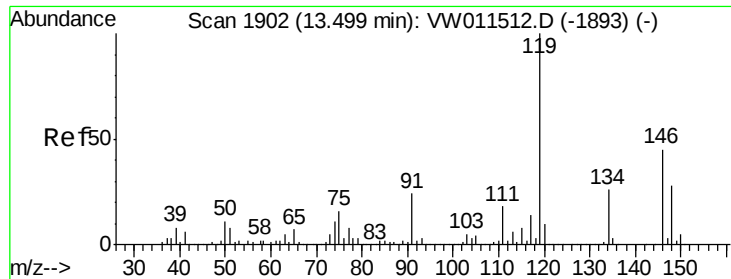
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 22.355 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

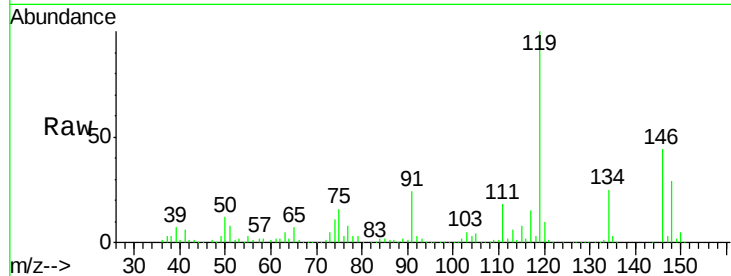
Tot Ion:146 Resp: 113613

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

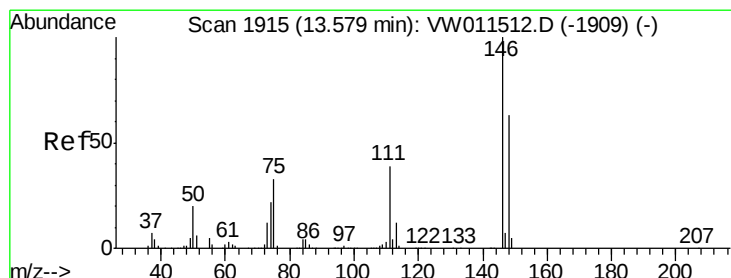
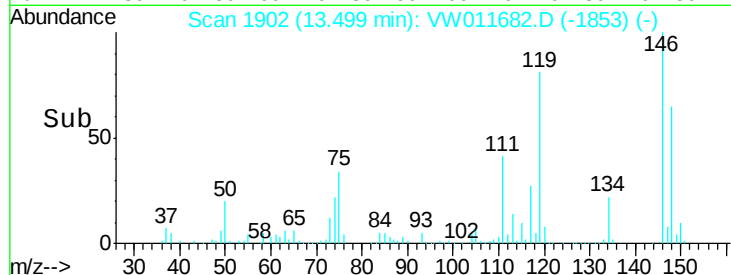
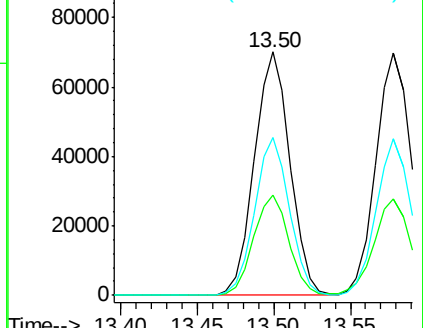
148 63.3 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 22.130 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

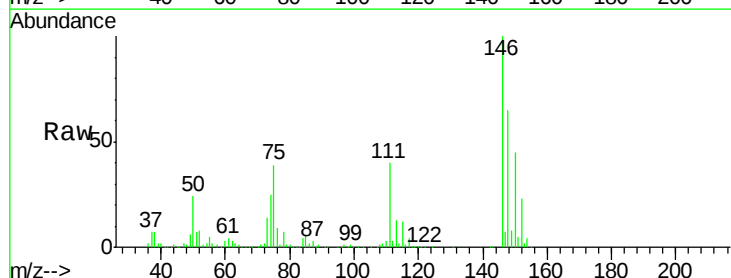
Tgt Ion:146 Resp: 111881

Ion Ratio Lower Upper

146 100

111 41.0 20.1 60.2

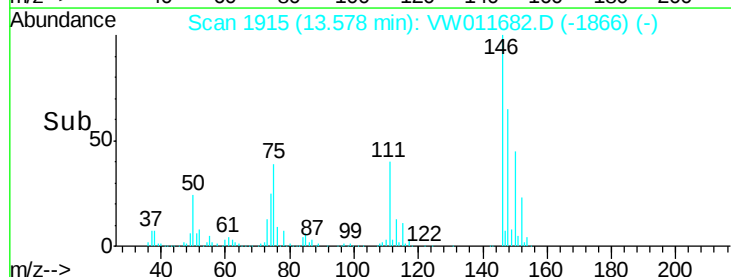
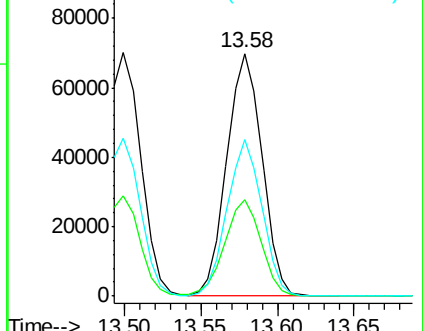
148 64.0 31.9 95.9

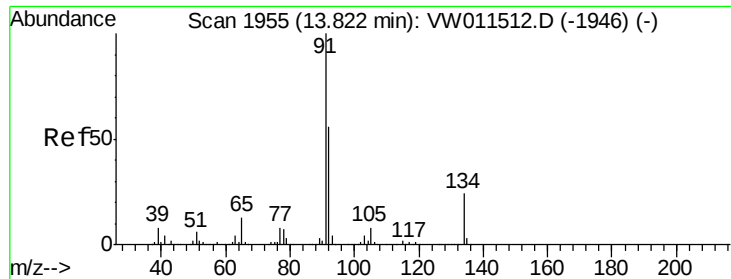


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.465 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

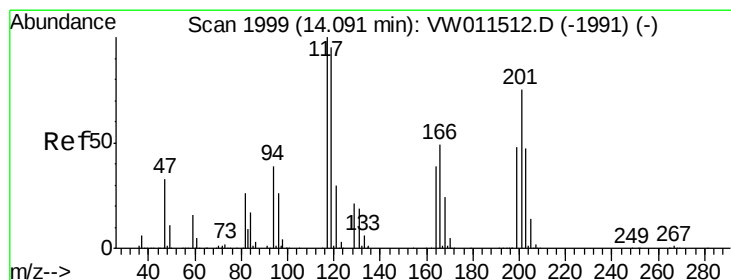
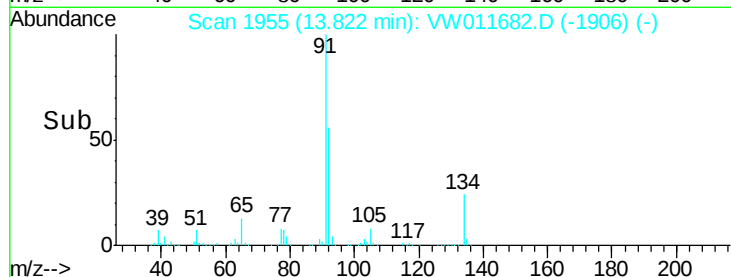
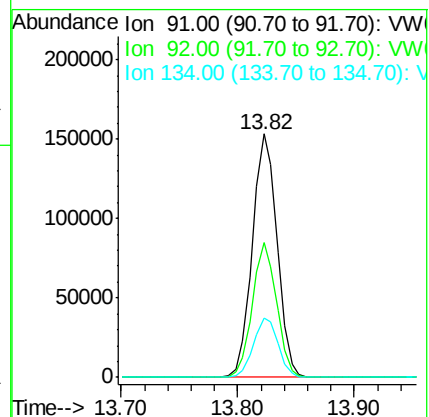
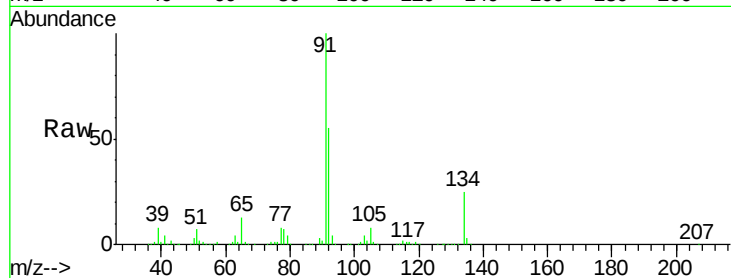
Tot Ion: 91 Resp: 227966

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 21.056 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011682.D

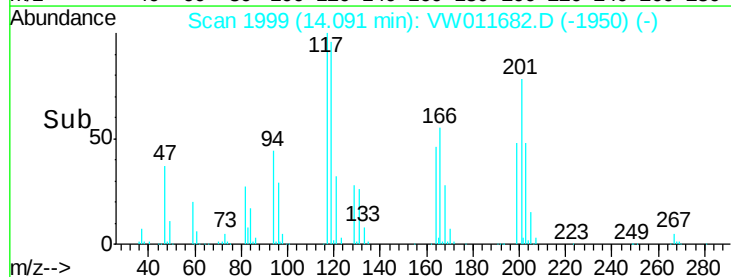
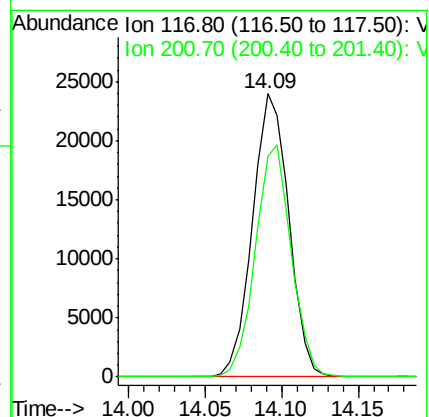
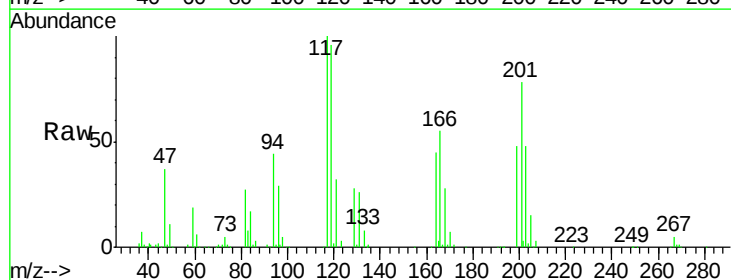
Acq: 03 Aug 2019 23:59

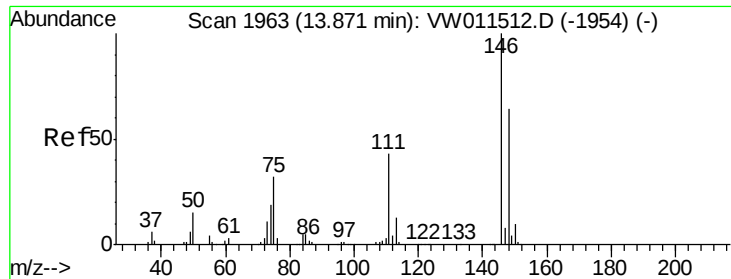
Tgt Ion: 117 Resp: 39624

Ion Ratio Lower Upper

117 100

201 80.8 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 22.377 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

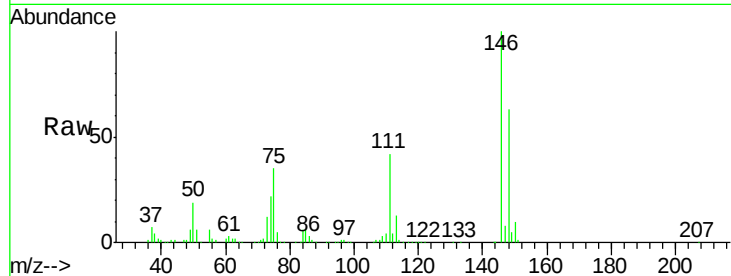
Tot Ion:146 Resp: 100586

Ion Ratio Lower Upper

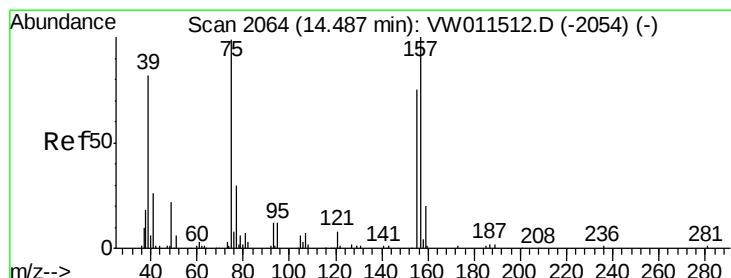
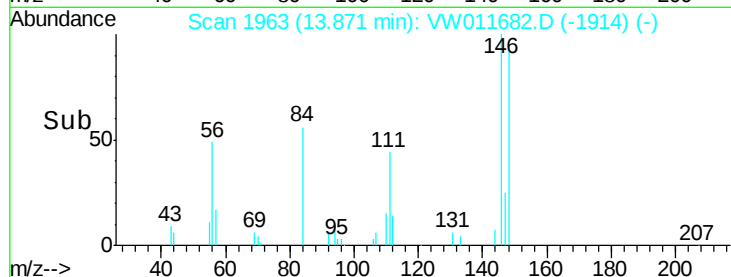
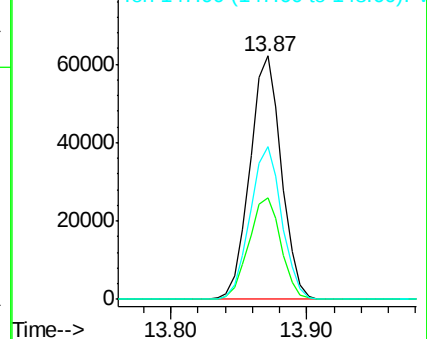
146 100

111 42.8 21.6 65.0

148 63.3 32.0 96.2



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: 22.302 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

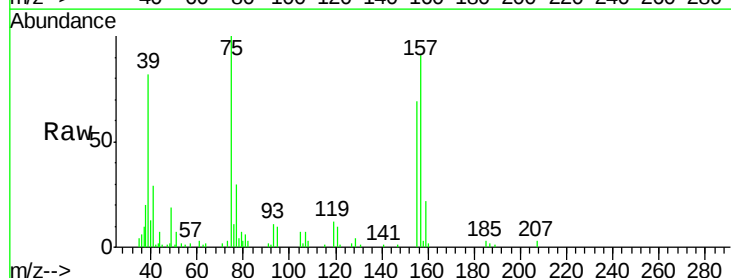
Tgt Ion: 75 Resp: 8389

Ion Ratio Lower Upper

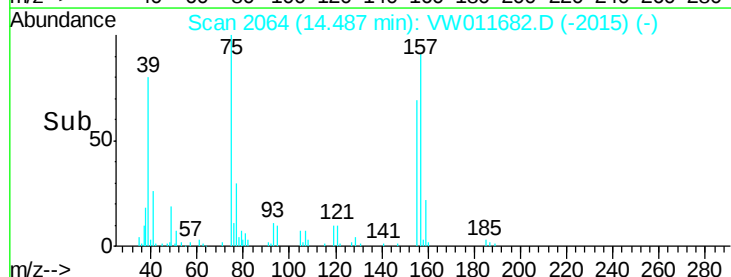
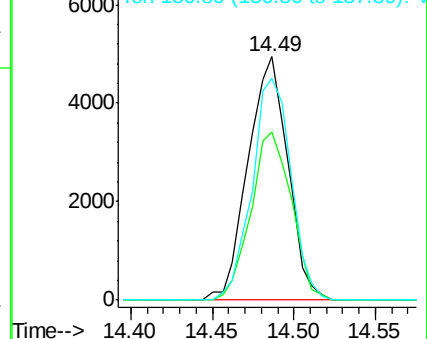
75 100

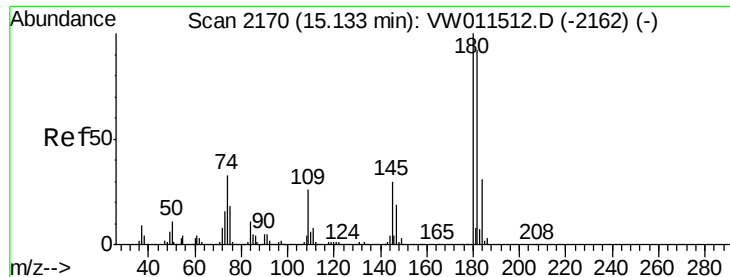
155 70.5 38.2 114.6

157 89.7 48.9 146.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

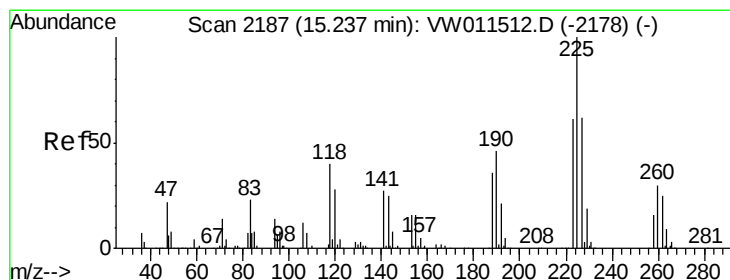
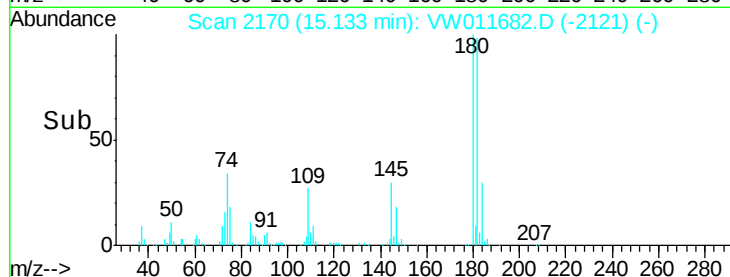
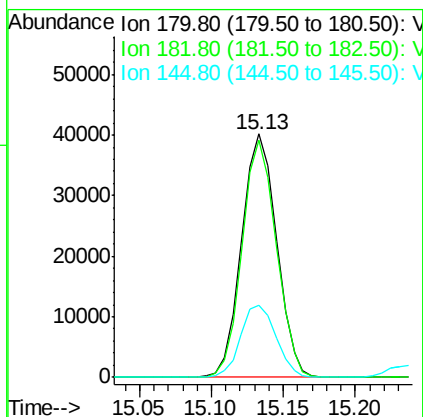
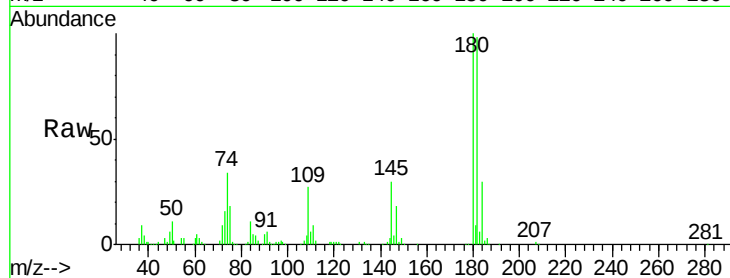




#93
 1,2,4-Trichlorobenzene
 Concen: 21.371 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

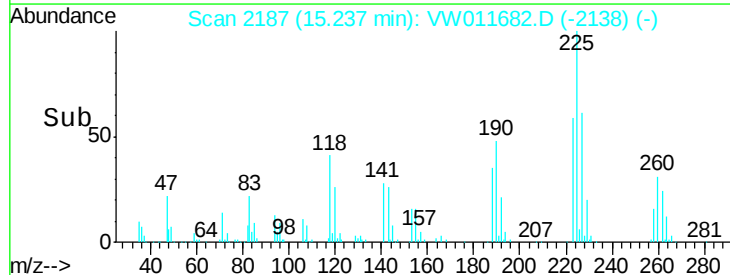
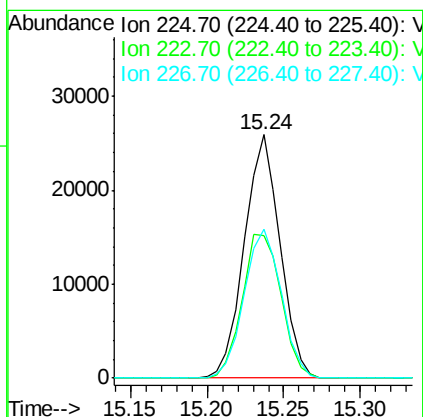
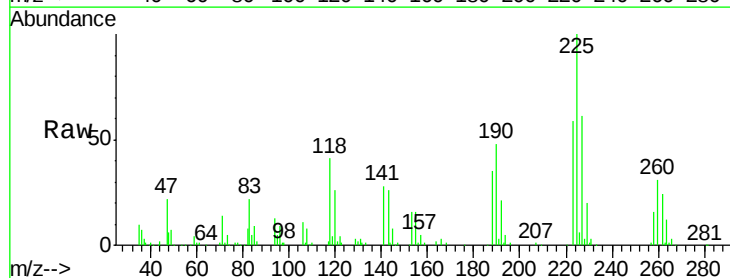
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS02

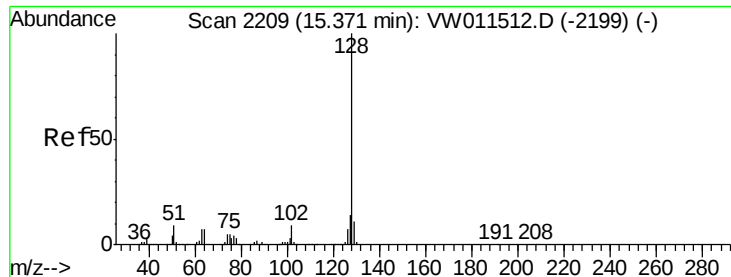
Tot Ion:180 Resp: 67703
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.2
 145 30.2 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 21.289 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011682.D
 Acq: 03 Aug 2019 23:59

Tgt Ion:225 Resp: 42059
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.8 92.3
 227 63.6 31.6 94.7





#95

Naphthalene

Concen: 20.270 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS02

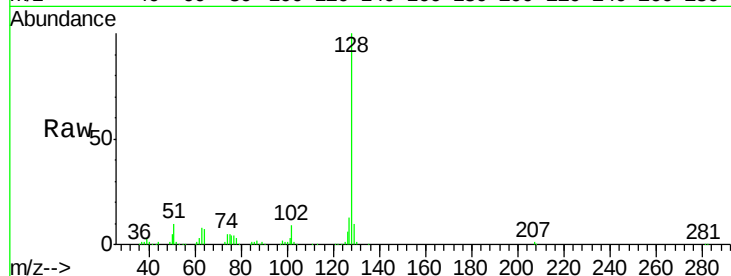
Tot Ion:128 Resp: 117839

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

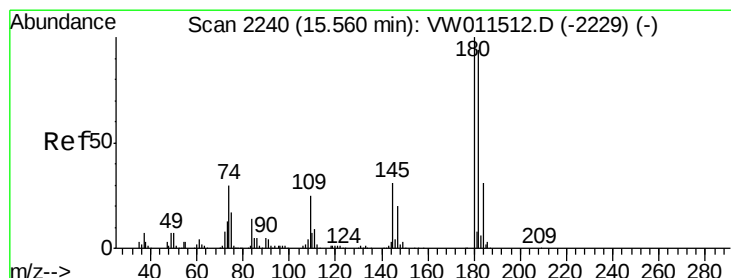
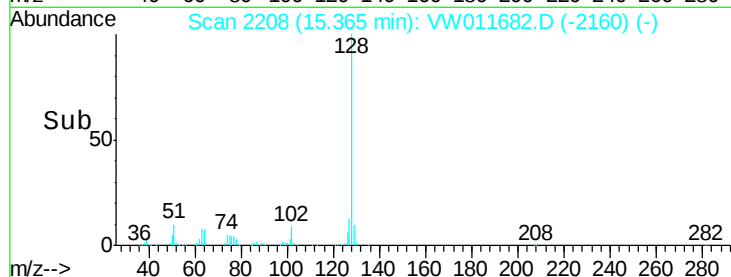
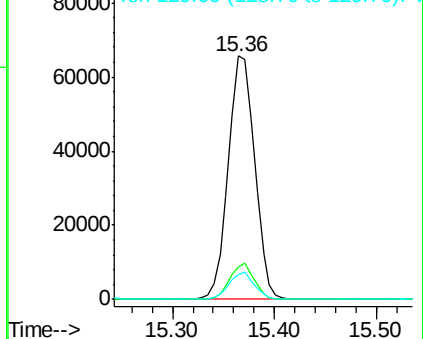
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.227 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011682.D

Acq: 03 Aug 2019 23:59

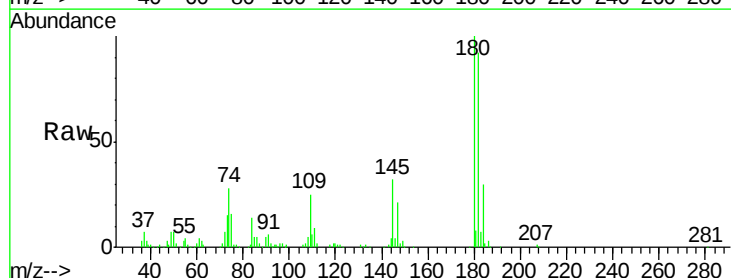
Tgt Ion:180 Resp: 58945

Ion Ratio Lower Upper

180 100

182 95.9 47.4 142.2

145 32.7 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

