

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012060.D
 Acq On : 21 Aug 2019 10:07
 Operator : SY/VA
 Sample : VW0821SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

Quant Time: Aug 22 05:12:36 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	7.94	168	294091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	158120	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	7.88	113	129067	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.32	98	529497	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.62	95	190395	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	35262	21.514	ug/l	98
3) Chloromethane	2.21	50	55112	19.391	ug/l	99
4) Vinyl Chloride	2.36	62	67811	19.818	ug/l	98
5) Bromomethane	2.76	94	29834	15.752	ug/l	99
6) Chloroethane	2.88	64	29401	15.043	ug/l	99
7) Trichlorofluoromethane	3.22	101	31279	20.455	ug/l	99
8) Diethyl Ether	3.67	74	33425	19.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	57542	19.836	ug/l	99
10) Methyl Iodide	4.25	142	74365	18.140	ug/l	100
11) Tert butyl alcohol	5.20	59	20427	69.058	ug/l	99
12) 1,1-Dichloroethene	4.02	96	58400	19.067	ug/l	97
13) Acrolein	3.89	56	13328	55.004	ug/l	98
14) Allyl chloride	4.65	41	122800	18.851	ug/l	99
15) Acrylonitrile	5.36	53	85336	98.597	ug/l	98
16) Acetone	4.13	43	82636	76.927	ug/l	97
17) Carbon Disulfide	4.37	76	152169	15.874	ug/l	100
18) Methyl Acetate	4.66	43	47664	19.751	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	101073	20.795	ug/l	99
20) Methylene Chloride	4.90	84	64552	17.424	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	64300	19.473	ug/l	96
22) Diisopropyl ether	6.31	45	244362	19.896	ug/l	98
23) Vinyl Acetate	6.24	43	753036	97.576	ug/l	99
24) 1,1-Dichloroethane	6.20	63	128242	19.496	ug/l	98
25) 2-Butanone	7.17	43	129350	92.022	ug/l	99
26) 2,2-Dichloropropane	7.15	77	67407	16.663	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	70204	19.317	ug/l	97
28) Bromochloromethane	7.51	49	56621	19.393	ug/l	100
29) Tetrahydrofuran	7.52	42	78114	97.220	ug/l	99
30) Chloroform	7.67	83	116460	19.191	ug/l	98
31) Cyclohexane	7.95	56	123782	19.604	ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	90334	19.546	ug/l	99
36) 1,1-Dichloropropene	8.08	75	99276	20.338	ug/l	99
37) Ethyl Acetate	7.25	43	55963	19.927	ug/l	99
38) Carbon Tetrachloride	8.06	117	83435	19.967	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	111502	20.745	ug/l	99
40) Benzene	8.32	78	269805	19.733	ug/l	100
41) Methacrylonitrile	7.48	41	33294	19.833	ug/l	99
42) 1,2-Dichloroethane	8.40	62	84276	19.687	ug/l	99
43) Isopropyl Acetate	8.42	43	103914	20.120	ug/l	99
44) Trichloroethene	9.09	130	65602	19.963	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72328	19.770	ug/l	100
46) Dibromomethane	9.46	93	32803	19.645	ug/l	99
47) Bromodichloromethane	9.64	83	82542	18.845	ug/l	100
48) Methyl methacrylate	9.43	41	49525	19.962	ug/l	98
49) 1,4-Dioxane	9.48	88	9121	377.258	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	270225	100.588	ug/l	100
52) Toluene	10.38	92	165590	20.055	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	87021	19.019	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	105779	19.444	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47005	19.840	ug/l	99
56) Ethyl methacrylate	10.65	69	69997	20.191	ug/l	99
57) 1,3-Dichloropropane	10.93	76	90379	20.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	178860	113.629	ug/l	99
59) 2-Hexanone	10.97	43	191789	101.111	ug/l	99
60) Dibromochloromethane	11.13	129	49878	18.966	ug/l	98
61) 1,2-Dibromoethane	11.23	107	43682	19.483	ug/l	98
64) Tetrachloroethene	10.86	164	53981	20.290	ug/l	98
65) Chlorobenzene	11.66	112	168231	20.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57314	20.030	ug/l	100
67) Ethyl Benzene	11.73	91	322365	20.604	ug/l	100
68) m/p-Xylenes	11.84	106	232327	40.832	ug/l	100
69) o-Xylene	12.16	106	108646	20.549	ug/l	100
70) Styrene	12.18	104	187813	20.545	ug/l	98
71) Bromoform	12.35	173	27951	19.159	ug/l #	97
73) Isopropylbenzene	12.46	105	305826	20.500	ug/l	99
74) N-amyl acetate	12.27	43	94504	20.233	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	56830	20.252	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	73809	34.882	ug/l #	100
77) Bromobenzene	12.74	156	66192	20.073	ug/l	99
78) n-propylbenzene	12.80	91	375613	20.688	ug/l	99
79) 2-Chlorotoluene	12.89	91	211971	20.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	256684	20.526	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	18075	19.687	ug/l	97
82) 4-Chlorotoluene	12.99	91	219783	20.027	ug/l	100
83) tert-Butylbenzene	13.21	119	219661	21.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	257995	20.480	ug/l	99
85) sec-Butylbenzene	13.38	105	312211	20.923	ug/l	100
86) p-Isopropyltoluene	13.50	119	279609	20.652	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	129367	20.008	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127400	19.808	ug/l	98
89) n-Butylbenzene	13.82	91	281453	20.831	ug/l	99
90) Hexachloroethane	14.09	117	47481	19.833	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	114528	20.027	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9317	19.470	ug/l	96

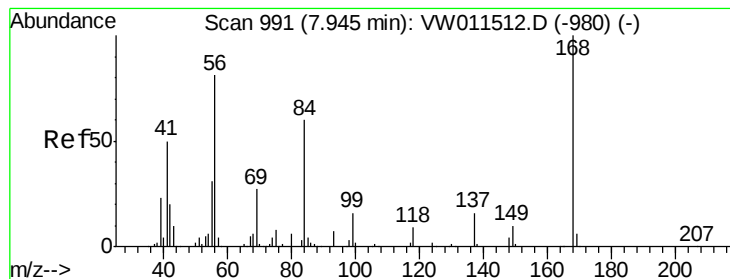
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81651	20.259	ug/l	100
94) Hexachlorobutadiene	15.24	225	52019	20.697	ug/l	99
95) Naphthalene	15.36	128	144280	19.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	70515	19.960	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

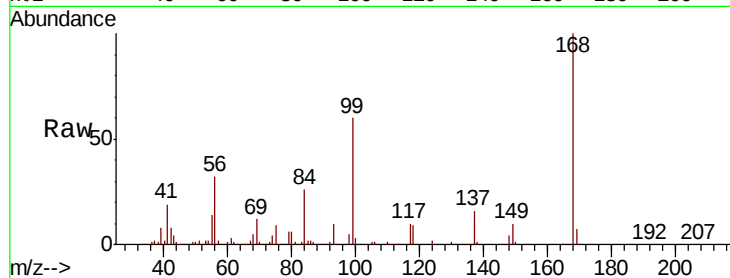
VW0821SBS01

Tgt Ion:168 Resp: 294091

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

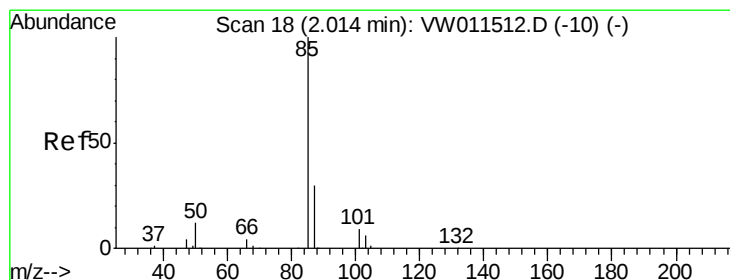
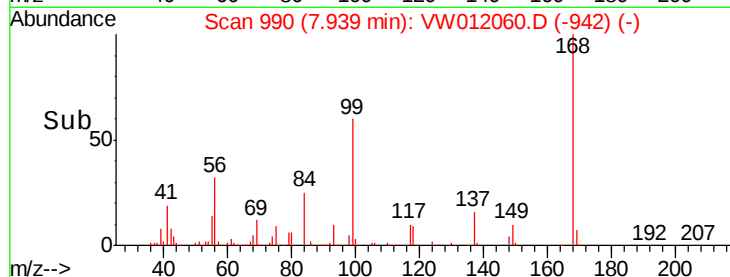
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.514 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012060.D

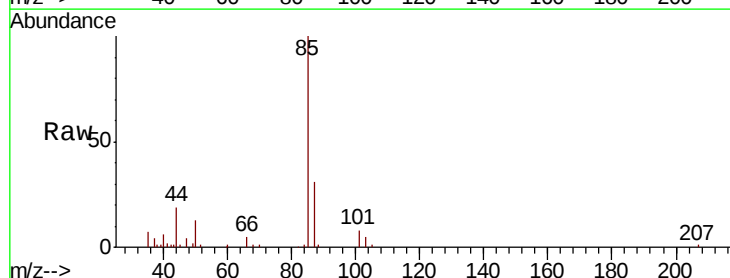
Acq: 21 Aug 2019 10:07

Tgt Ion: 85 Resp: 35262

Ion Ratio Lower Upper

85 100

87 31.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

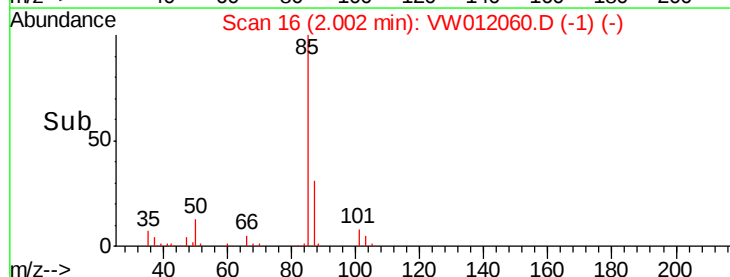
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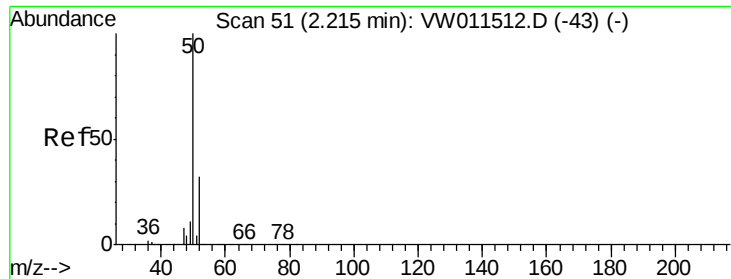
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.391 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

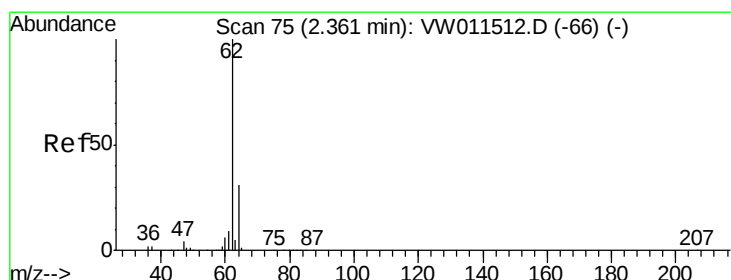
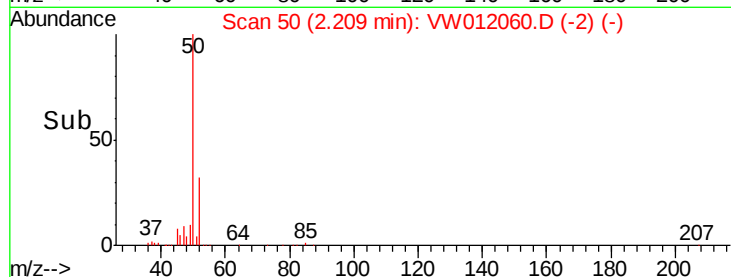
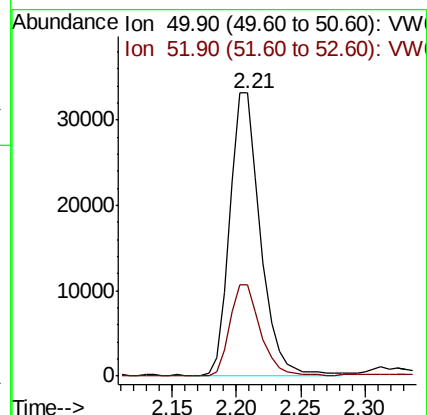
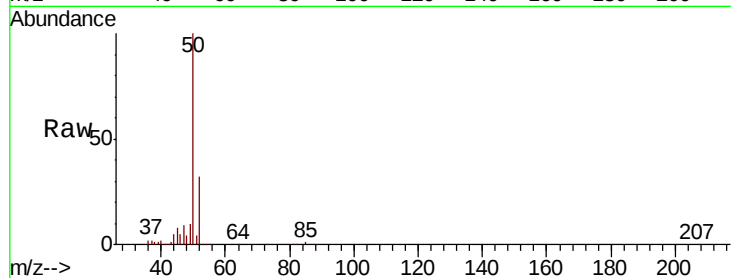
VW0821SBS01

Tgt Ion: 50 Resp: 55112

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2



#4

Vinyl Chloride

Concen: 19.818 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012060.D

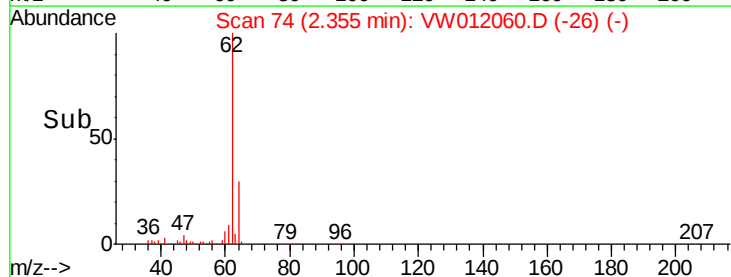
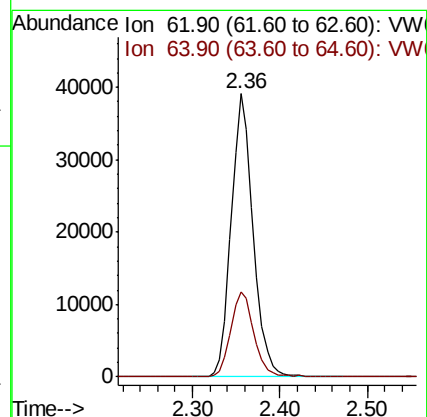
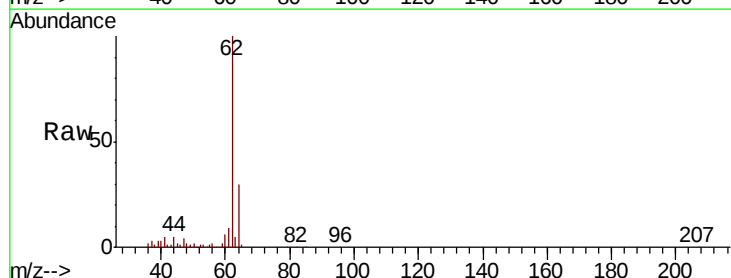
Acq: 21 Aug 2019 10:07

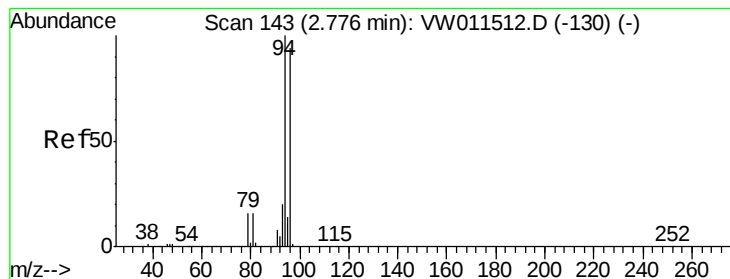
Tgt Ion: 62 Resp: 67811

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.4





#5

Bromomethane

Concen: 15.752 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

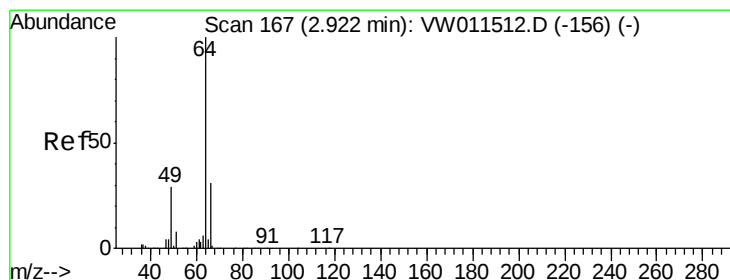
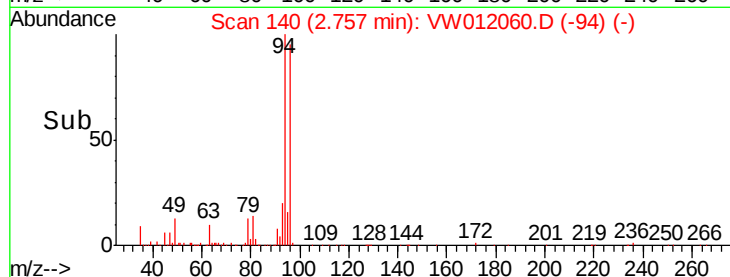
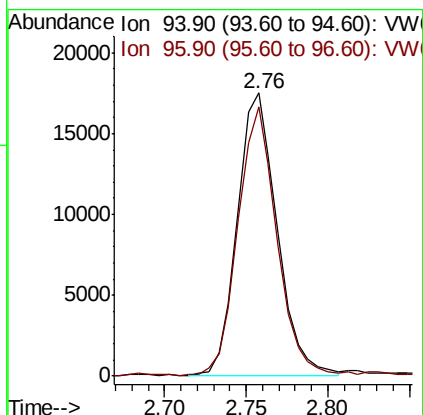
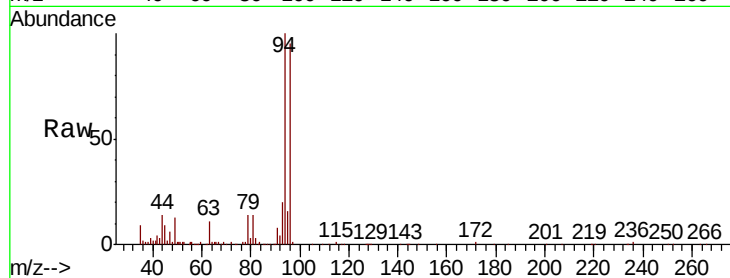
VW0821SBS01

Tgt Ion: 94 Resp: 29834

Ion Ratio Lower Upper

94 100

96 94.8 75.0 112.6



#6

Chloroethane

Concen: 15.043 ug/l

RT: 2.88 min Scan# 160

Delta R.T. -0.04 min

Lab File: VW012060.D

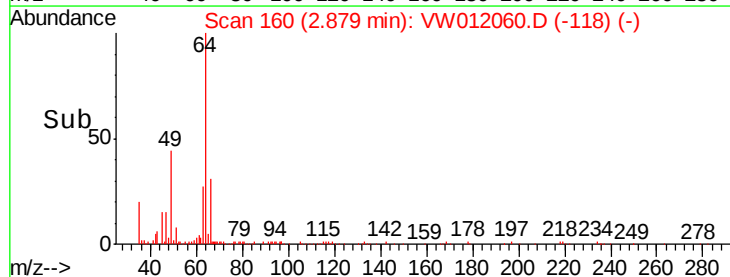
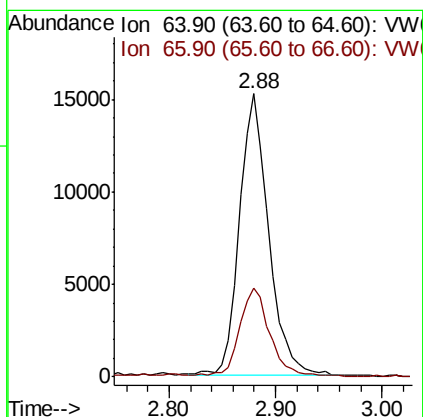
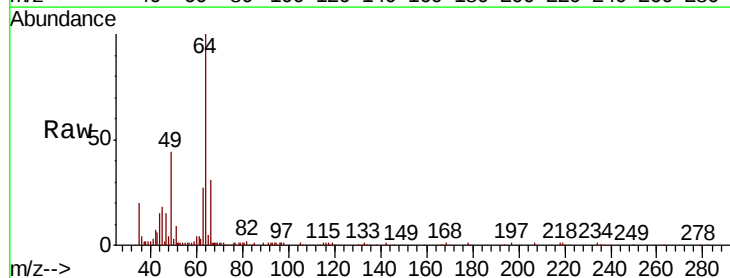
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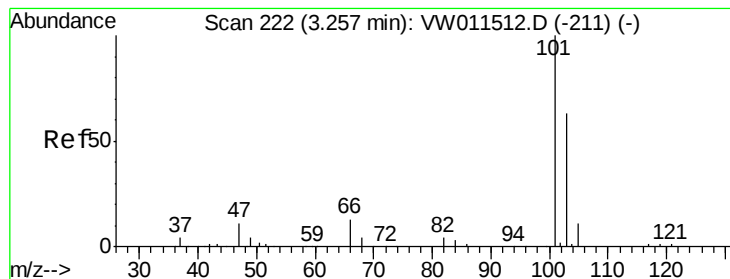
Tgt Ion: 64 Resp: 29401

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8



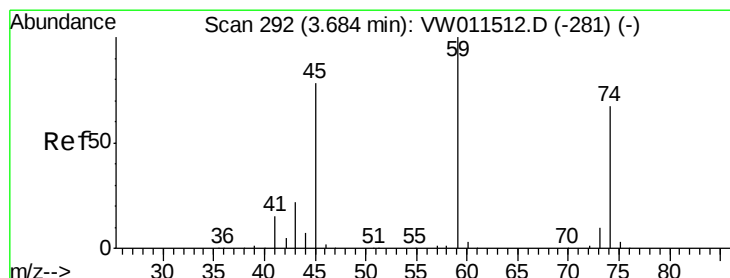
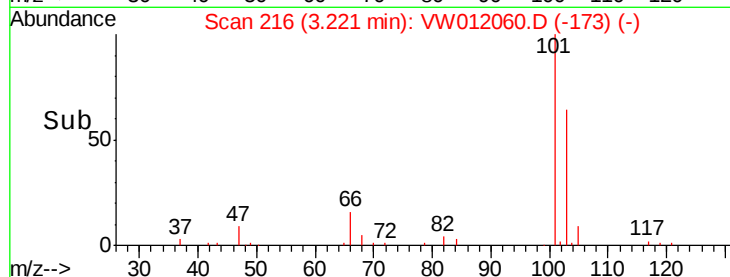
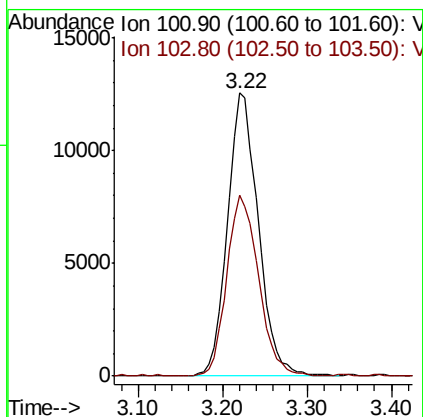
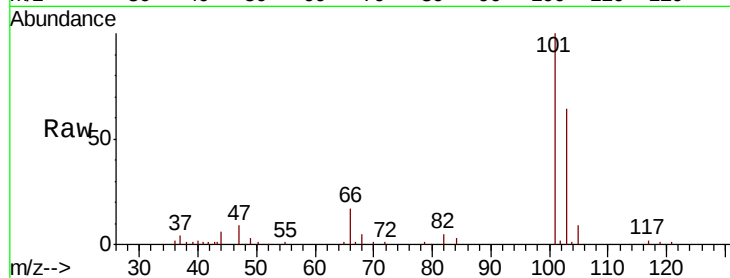


#7

Trichlorofluoromethane
 Concen: 20.455 ug/l
 RT: 3.22 min Scan# 216
 Delta R.T. -0.04 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Instrument :
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 ClientSampleId :
 VW0821SBS01

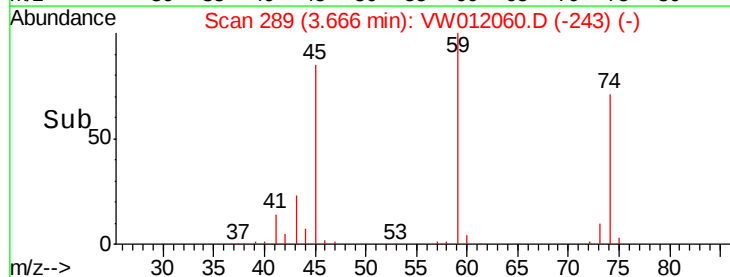
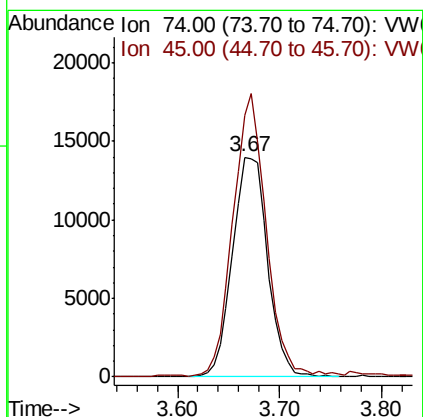
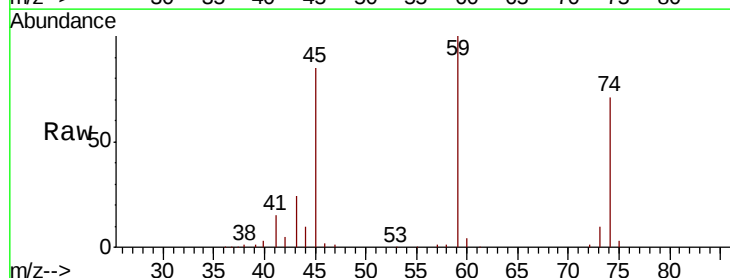
Tgt Ion: 101 Resp: 31279
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.2 75.4

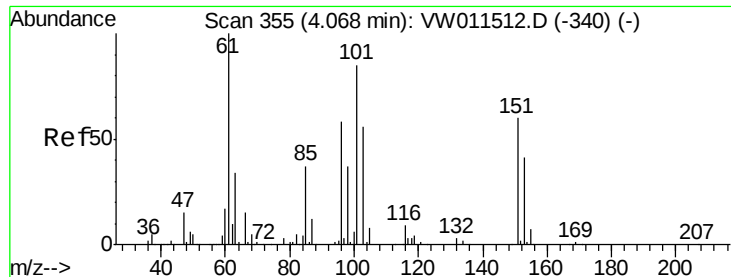


#8

Diethyl Ether
 Concen: 19.278 ug/l
 RT: 3.67 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 74 Resp: 33425
 Ion Ratio Lower Upper
 74 100
 45 119.9 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.02 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

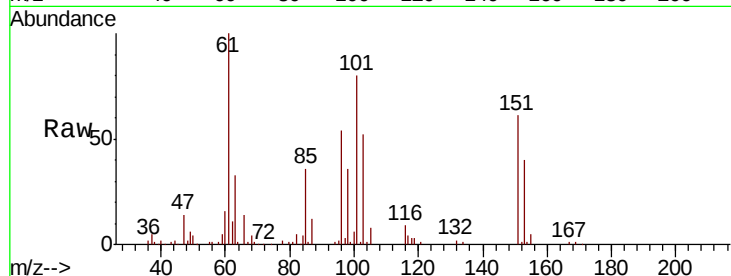
Tgt Ion:101 Resp: 57542

Ion Ratio Lower Upper

101 100

85 44.9 36.6 54.8

151 74.2 60.2 90.2

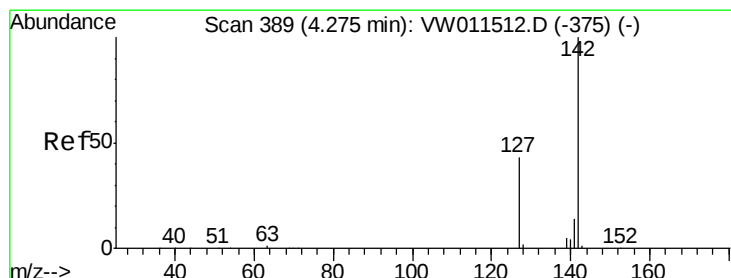
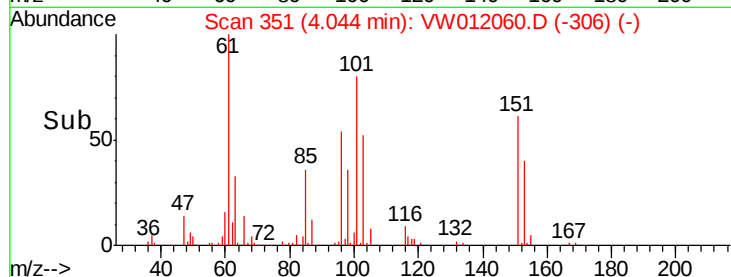
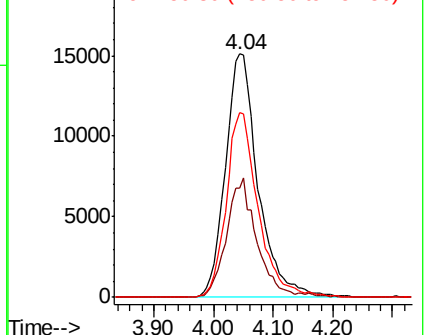


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.140 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

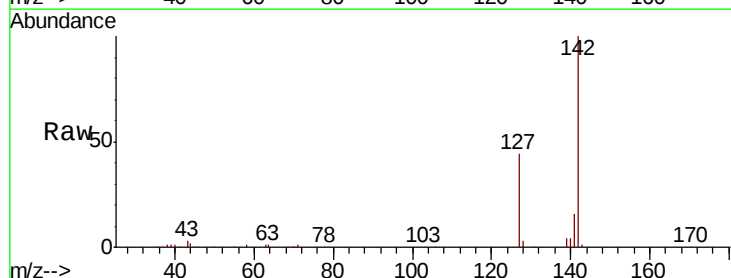
Tgt Ion:142 Resp: 74365

Ion Ratio Lower Upper

142 100

127 43.5 35.0 52.6

141 14.9 11.9 17.9

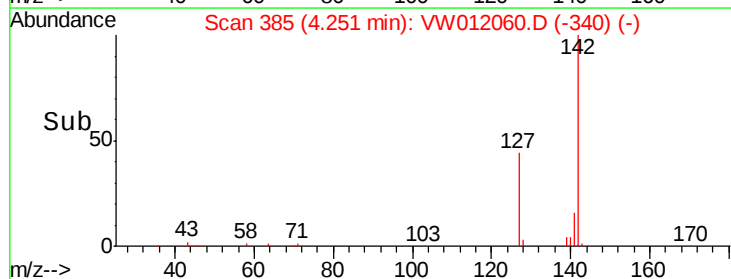
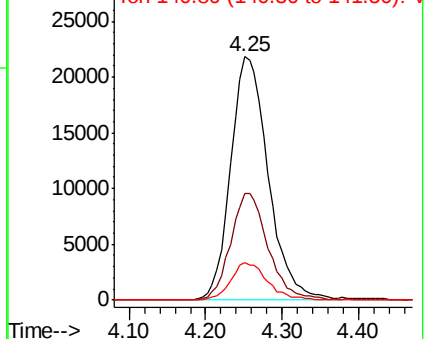


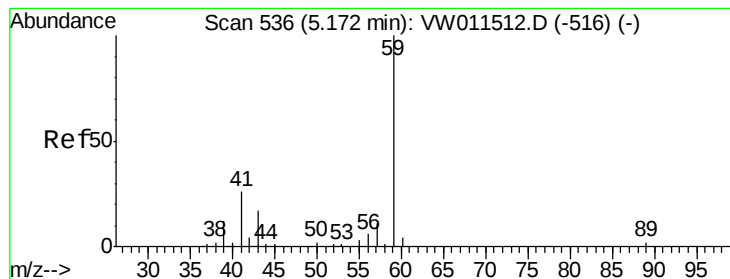
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



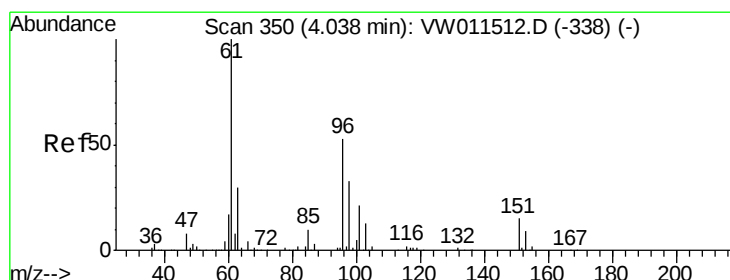
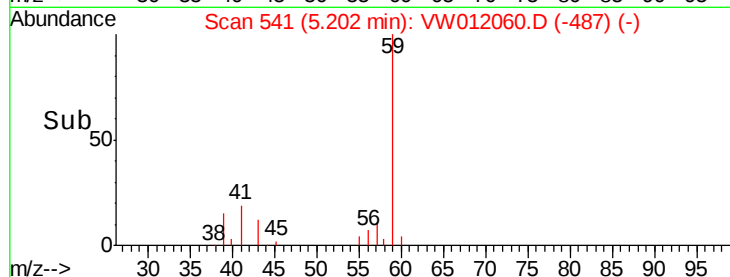
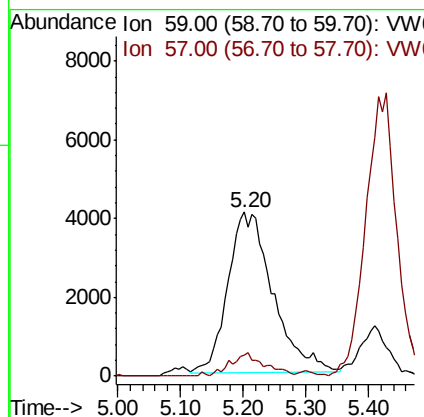
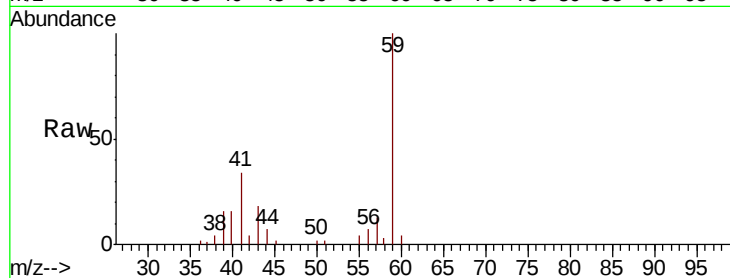


#11

Tert butyl alcohol
 Concen: 69.058 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

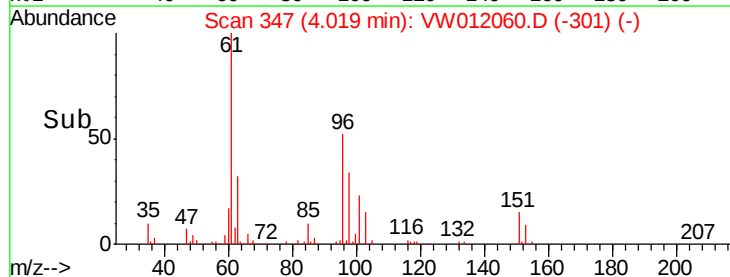
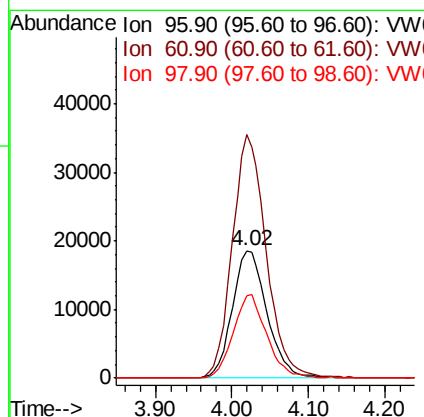
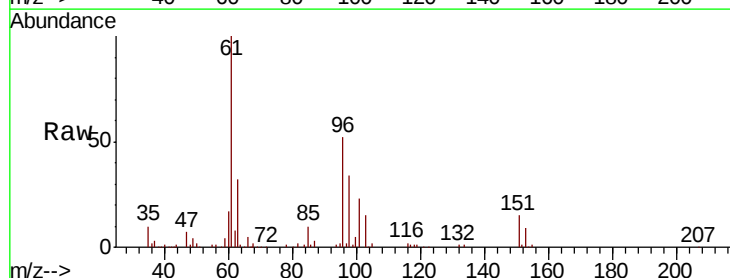
Tgt Ion: 59 Resp: 20427
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

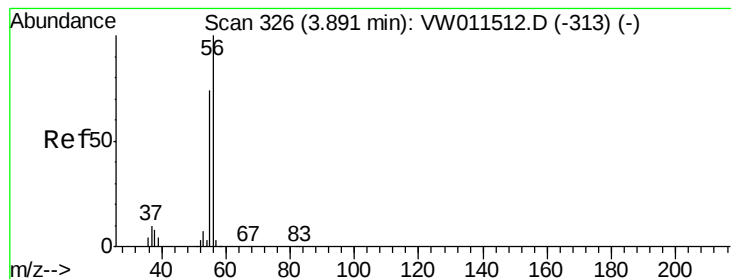


#12

1,1-Dichloroethene
 Concen: 19.067 ug/l
 RT: 4.02 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 96 Resp: 58400
 Ion Ratio Lower Upper
 96 100
 61 190.8 149.9 224.9
 98 64.2 49.1 73.7





#13

Acrolein

Concen: 55.004 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

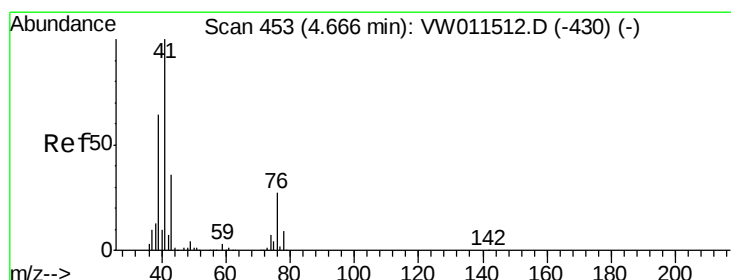
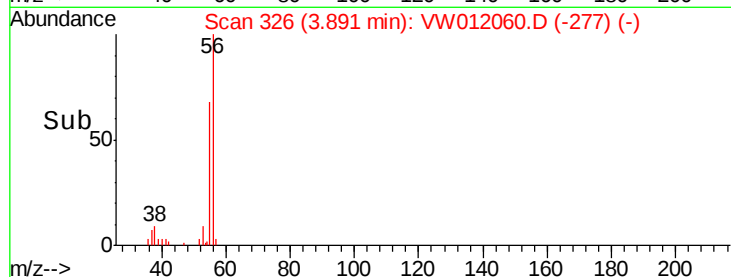
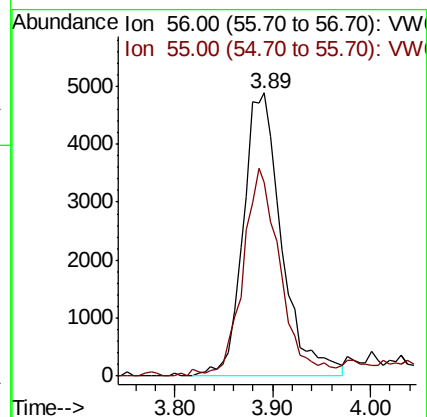
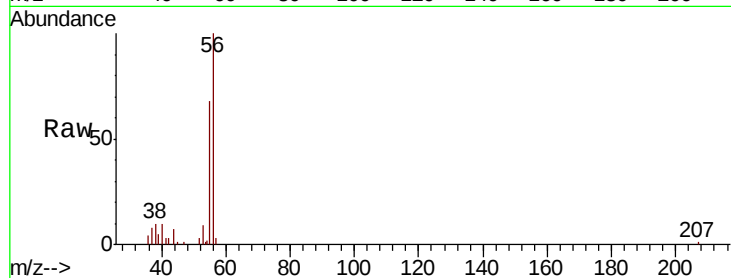
VW0821SBS01

Tgt Ion: 56 Resp: 13328

Ion Ratio Lower Upper

56 100

55 68.3 56.0 84.0



#14

Allyl chloride

Concen: 18.851 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

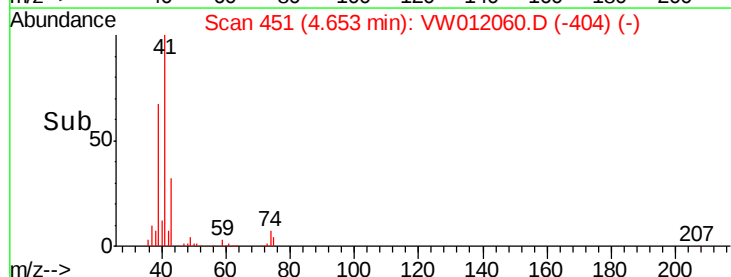
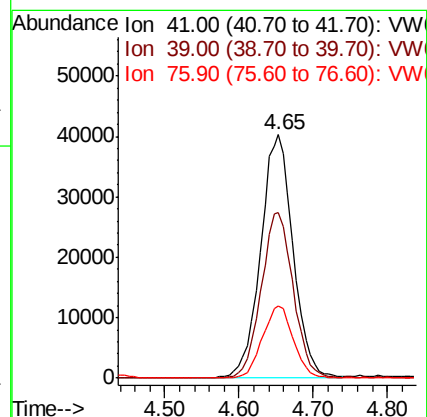
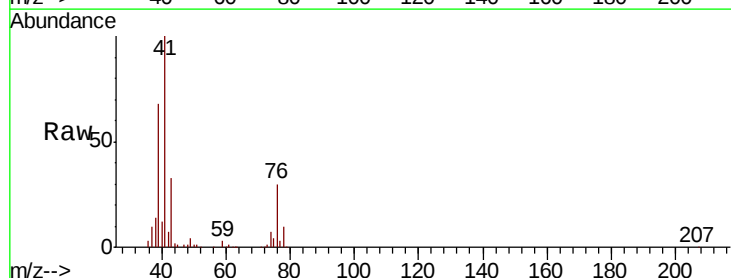
Tgt Ion: 41 Resp: 122800

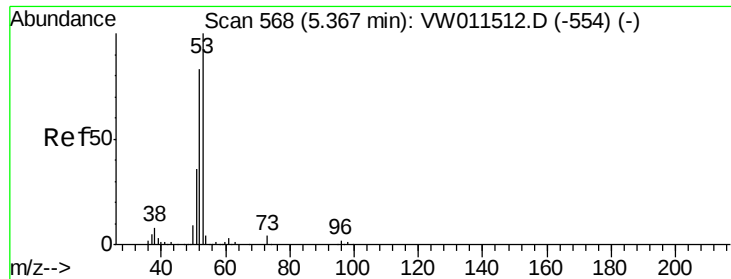
Ion Ratio Lower Upper

41 100

39 66.6 52.6 78.8

76 28.3 22.0 33.0





#15

Acrylonitrile

Concen: 98.597 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

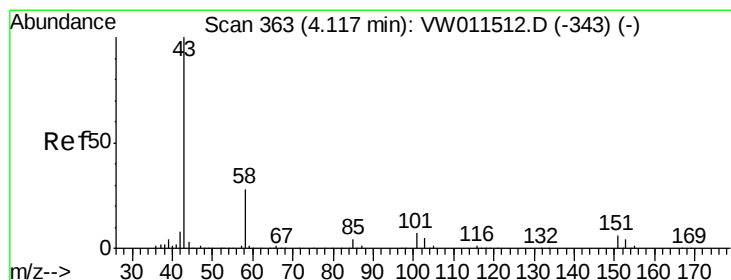
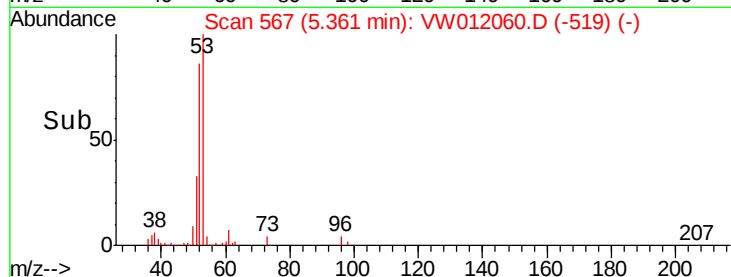
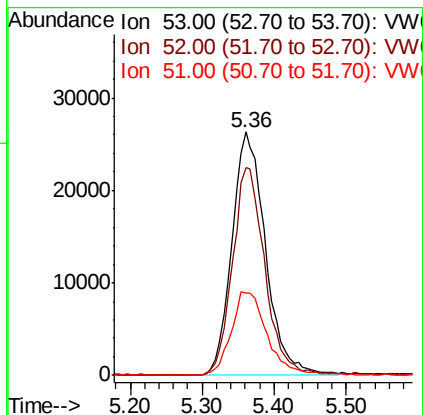
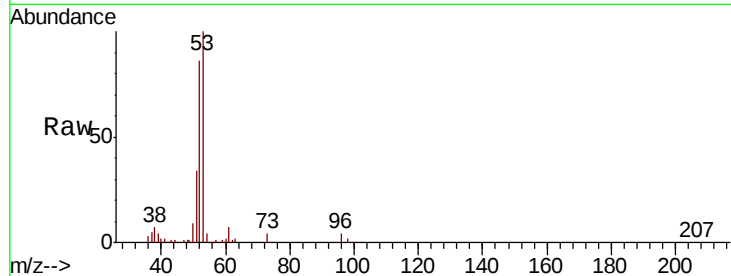
Tgt Ion: 53 Resp: 85336

Ion Ratio Lower Upper

53 100

52 82.5 67.2 100.8

51 36.8 30.0 45.0



#16

Acetone

Concen: 76.927 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012060.D

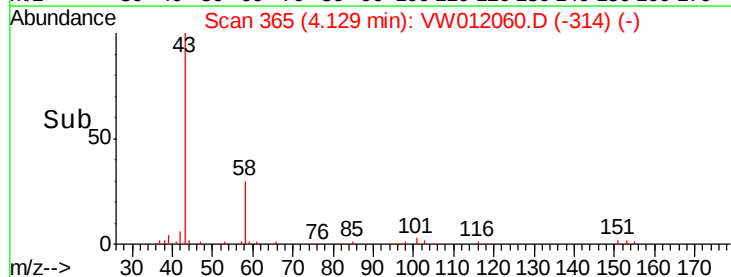
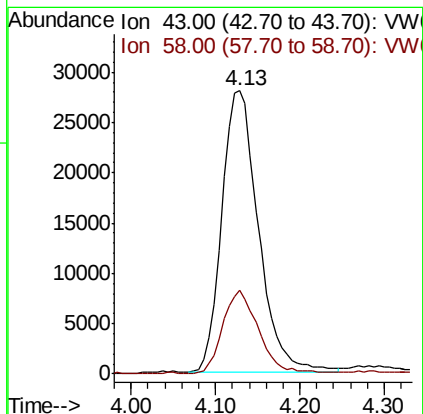
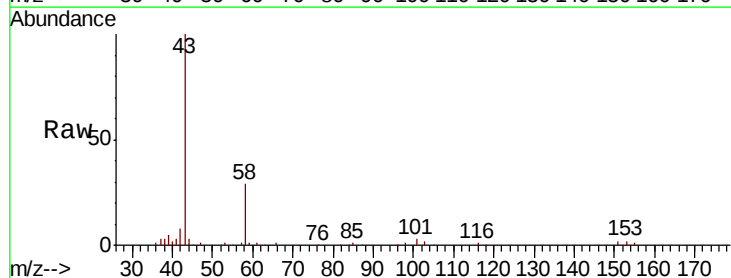
Acq: 21 Aug 2019 10:07

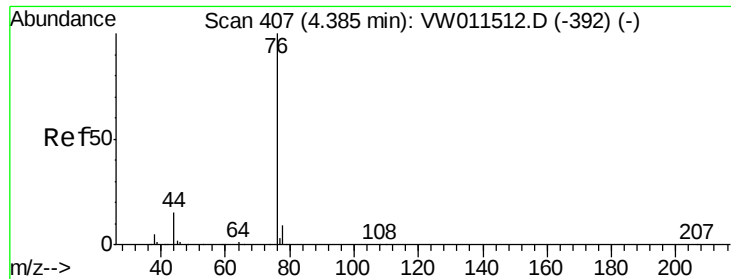
Tgt Ion: 43 Resp: 82636

Ion Ratio Lower Upper

43 100

58 29.7 22.3 33.5

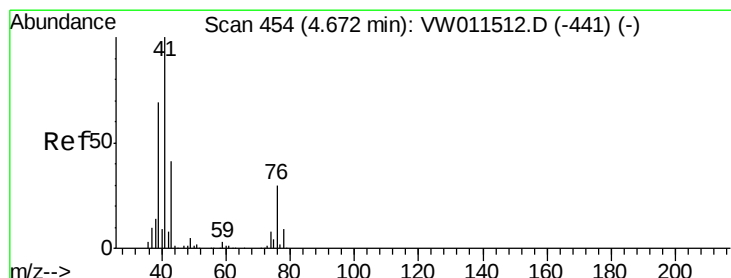
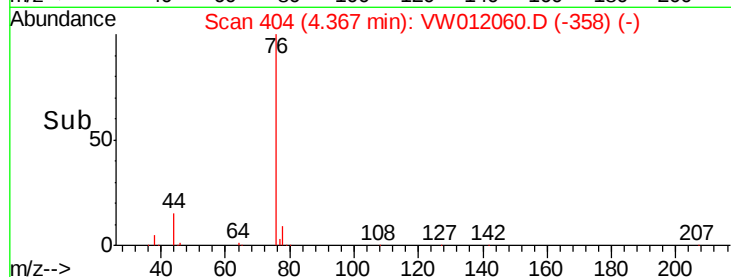
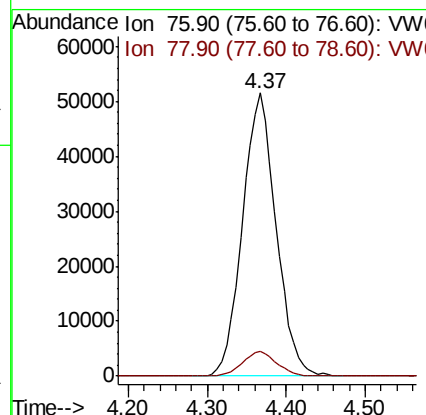
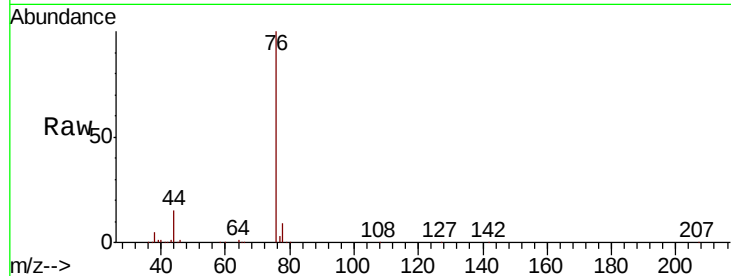




#17
Carbon Disulfide
Concen: 15.874 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.02 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

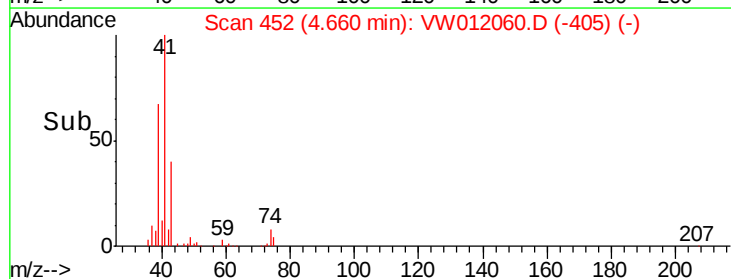
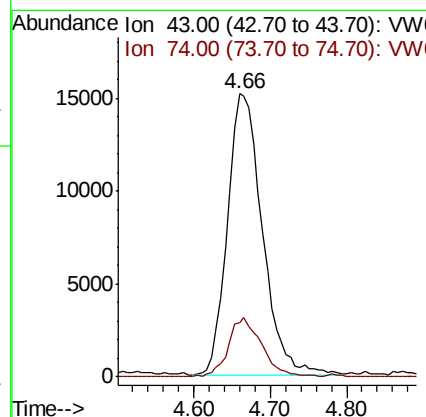
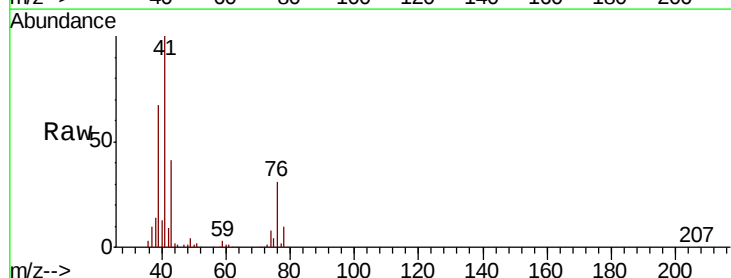
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

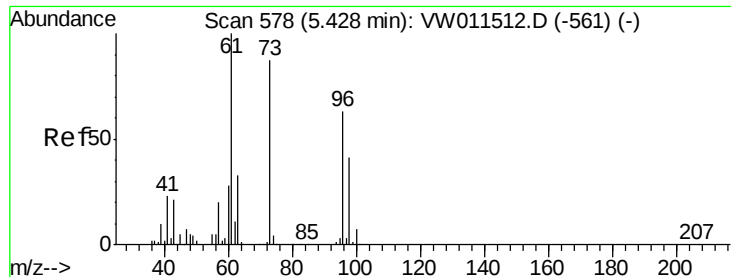
Tgt Ion: 76 Resp: 152169
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.751 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 43 Resp: 47664
Ion Ratio Lower Upper
43 100
74 20.3 15.9 23.9

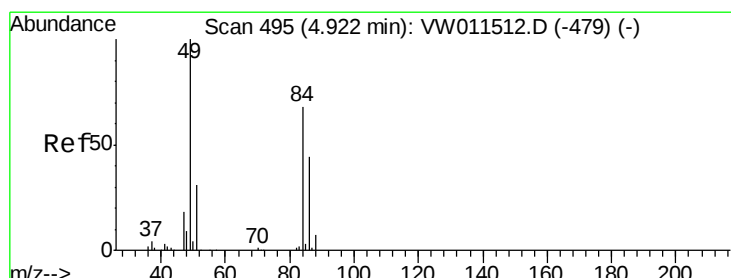
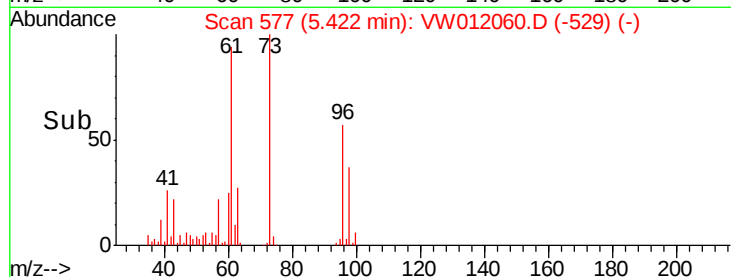
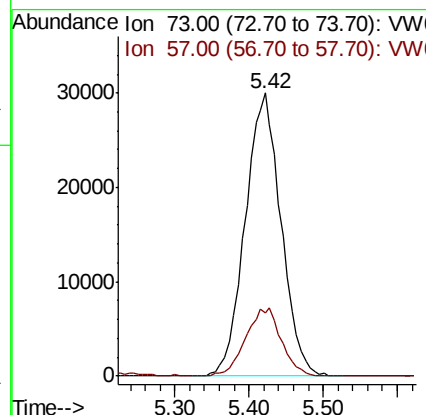
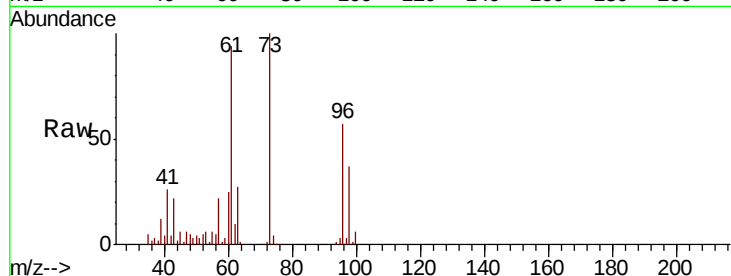




#19
Methyl tert-butyl Ether
Concen: 20.795 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

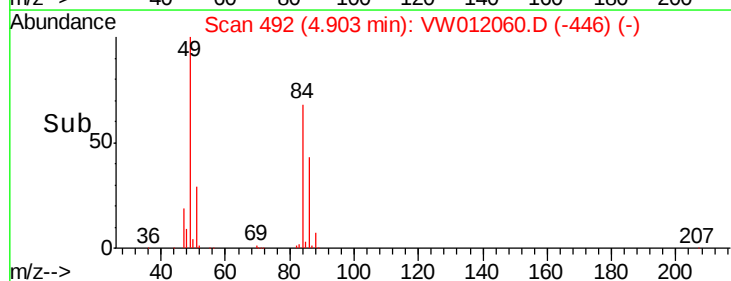
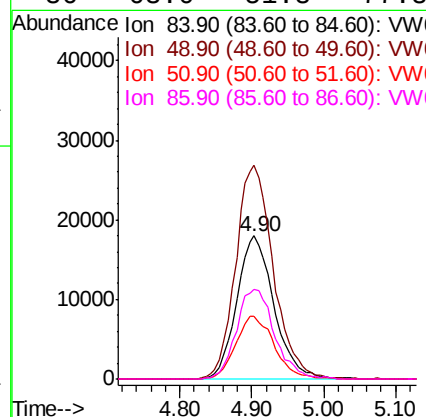
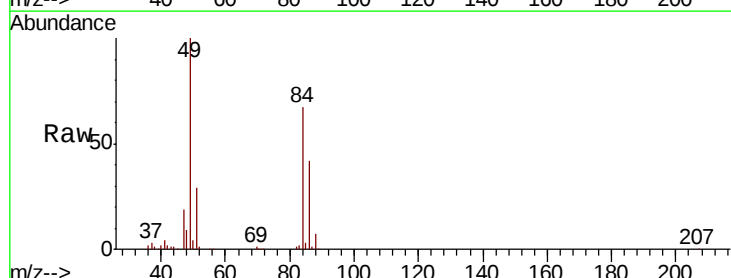
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

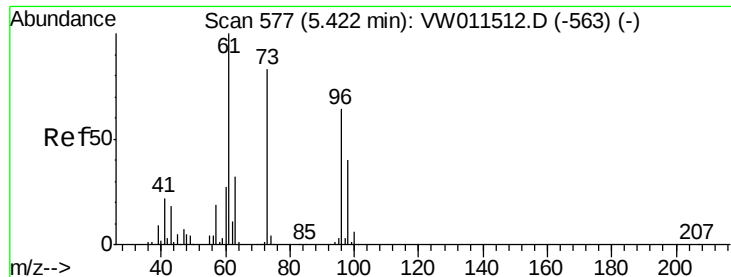
Tgt Ion: 73 Resp: 101073
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 17.424 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 84 Resp: 64552
Ion Ratio Lower Upper
84 100
49 149.6 117.8 176.6
51 44.0 37.0 55.4
86 63.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 19.473 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

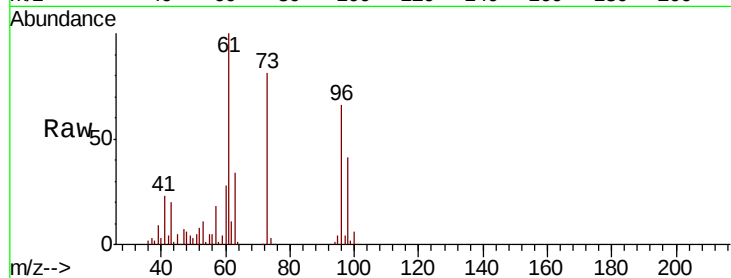
Tgt Ion: 96 Resp: 64300

Ion Ratio Lower Upper

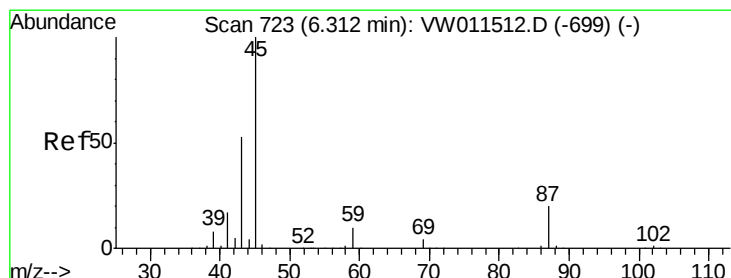
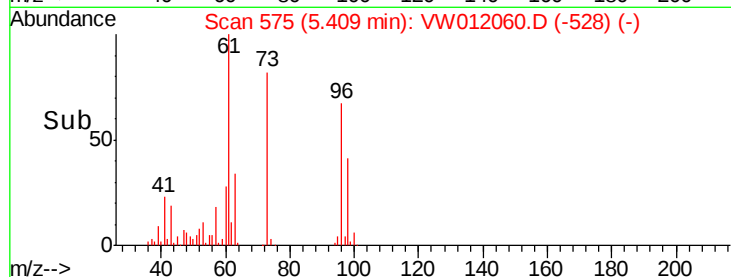
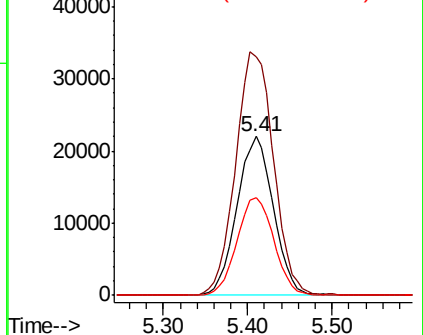
96 100

61 150.6 125.7 188.5

98 61.4 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.896 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Tgt Ion: 45 Resp: 244362

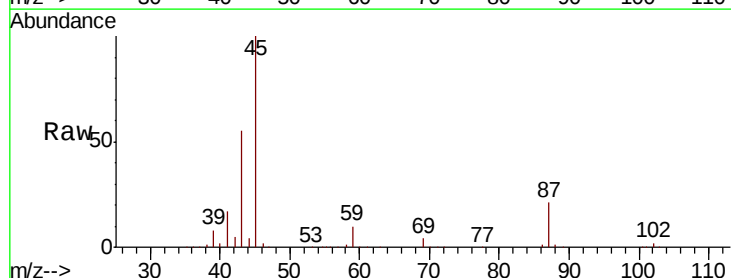
Ion Ratio Lower Upper

45 100

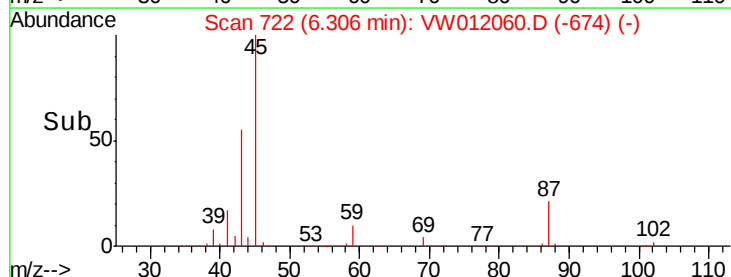
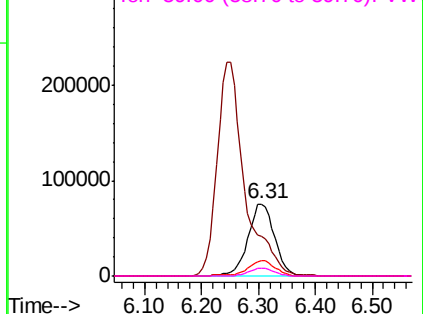
43 55.4 42.6 63.8

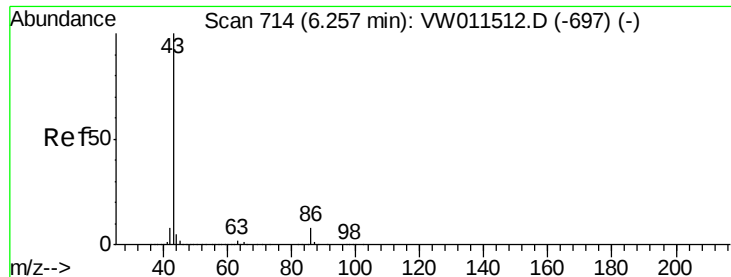
87 21.4 16.4 24.6

59 9.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 97.576 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

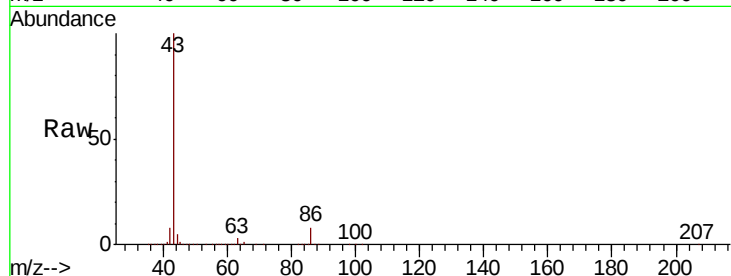
VW0821SBS01

Tgt Ion: 43 Resp: 753036

Ion Ratio Lower Upper

43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

250000

200000

150000

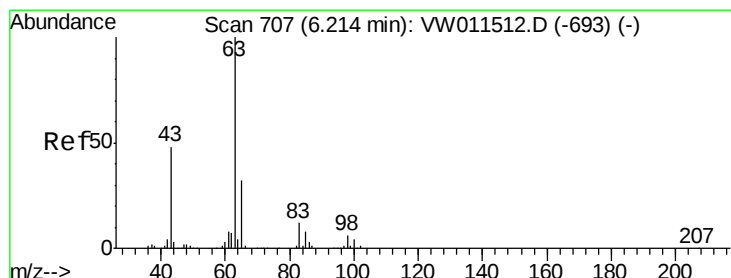
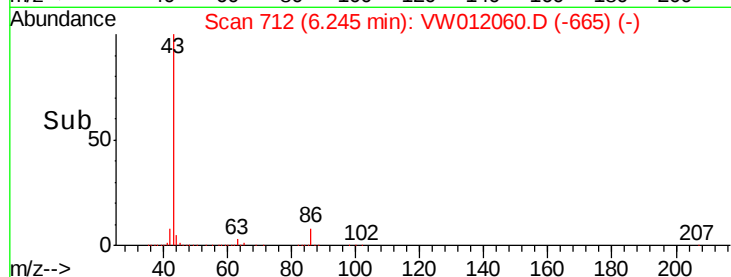
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.496 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

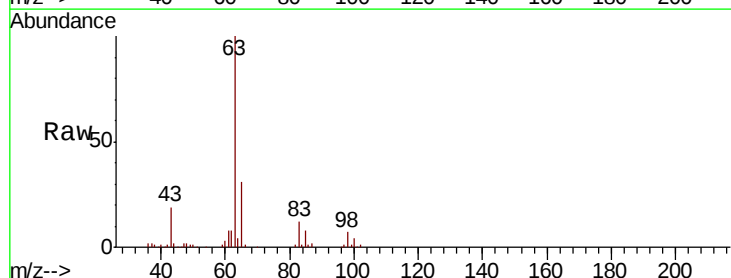
Tgt Ion: 63 Resp: 128242

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 3.9 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

6.20

50000

40000

30000

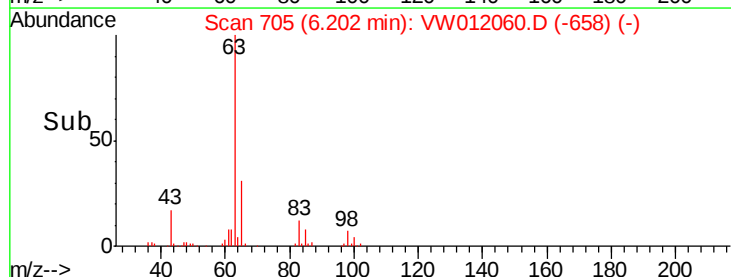
20000

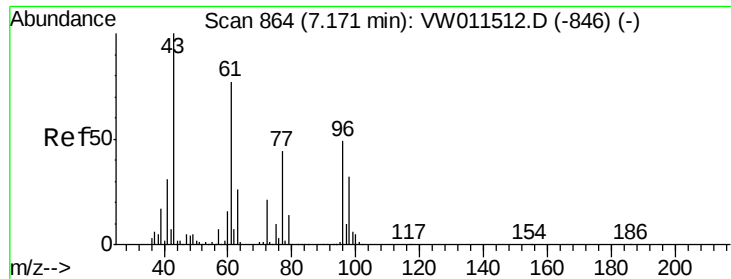
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 92.022 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleID :

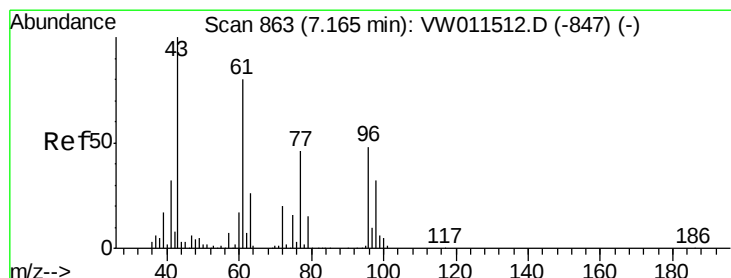
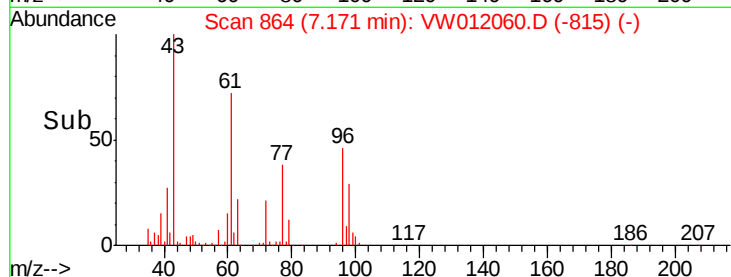
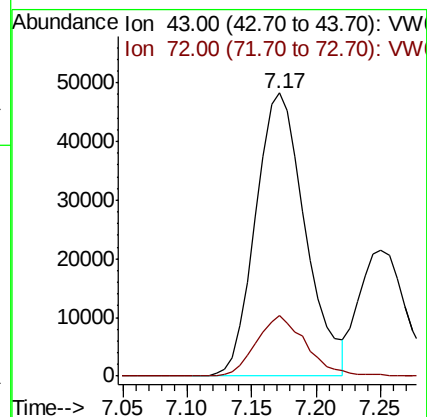
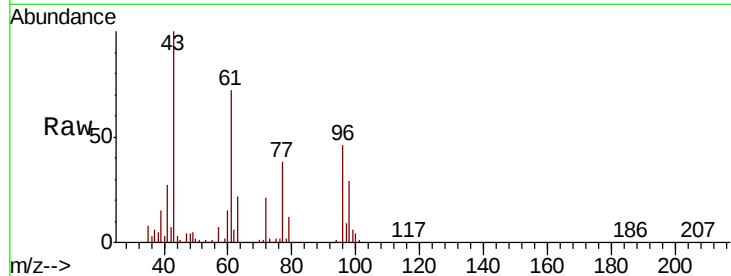
VW0821SBS01

Tgt Ion: 43 Resp: 129350

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 16.663 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012060.D

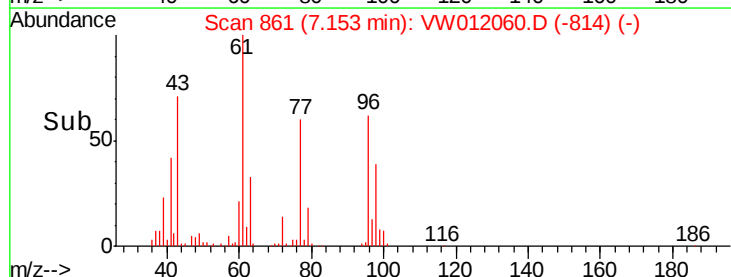
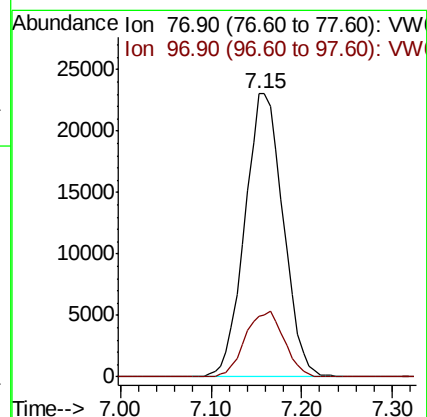
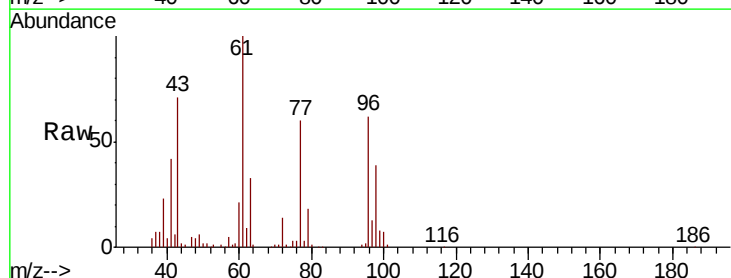
Acq: 21 Aug 2019 10:07

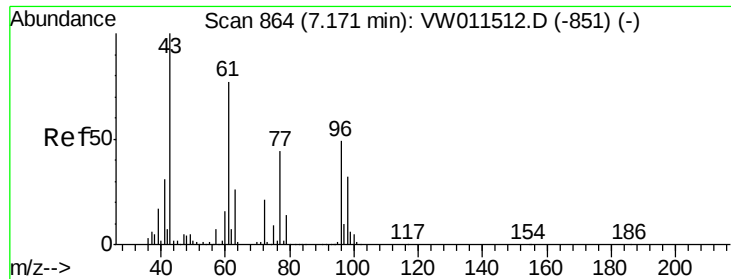
Tgt Ion: 77 Resp: 67407

Ion Ratio Lower Upper

77 100

97 23.5 10.8 32.4



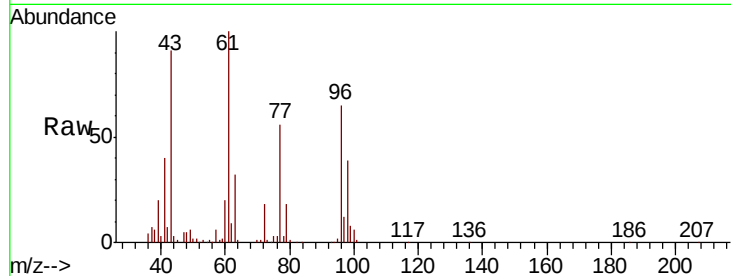


#27

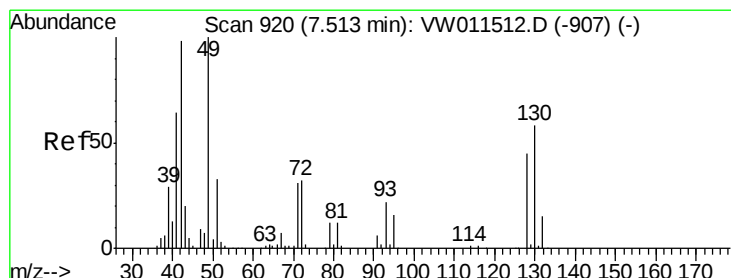
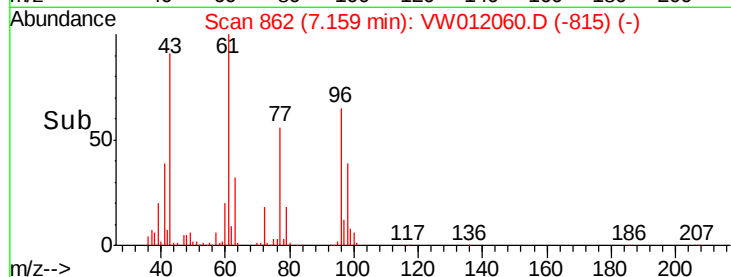
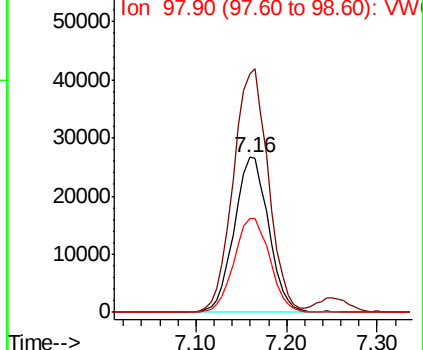
cis-1,2-Dichloroethene
 Concen: 19.317 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Instrument :
 MSVOA_W
 ClientSampled :
 VW0821SBS01

Tgt Ion: 96 Resp: 70204
 Ion Ratio Lower Upper
 96 100
 61 160.1 0.0 328.4
 98 62.9 0.0 128.8



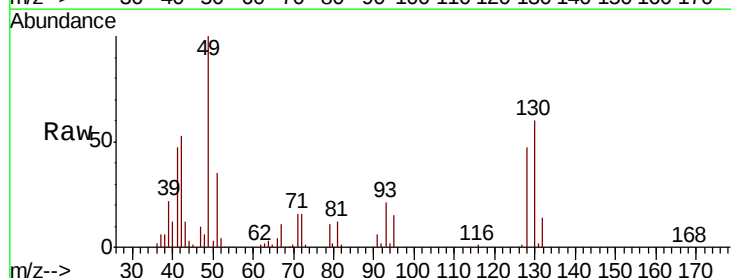
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



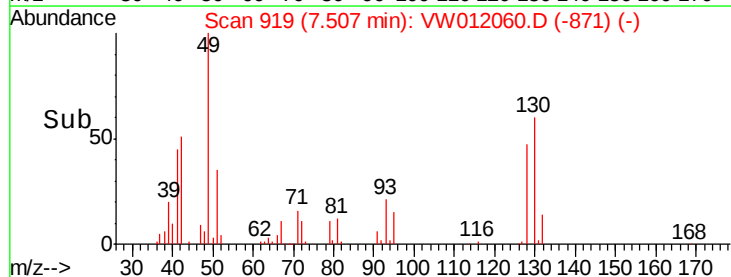
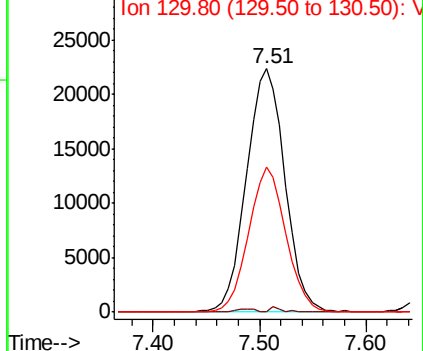
#28

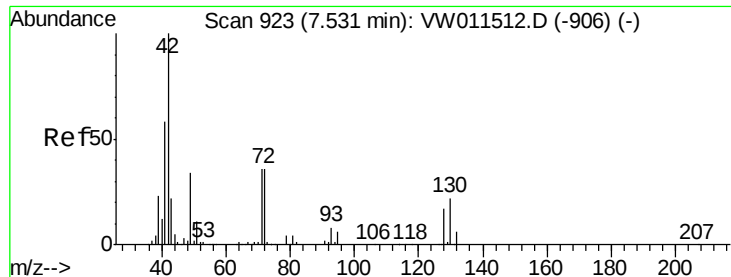
Bromochloromethane
 Concen: 19.393 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 49 Resp: 56621
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.0
 130 57.7 46.3 69.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

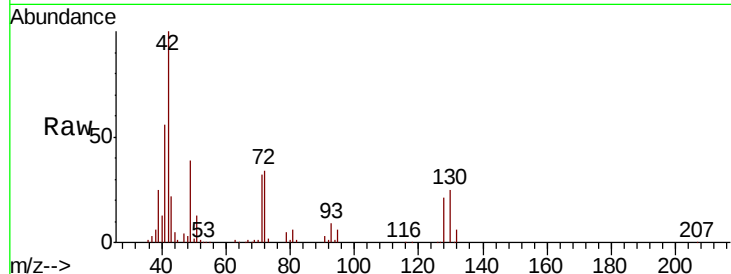




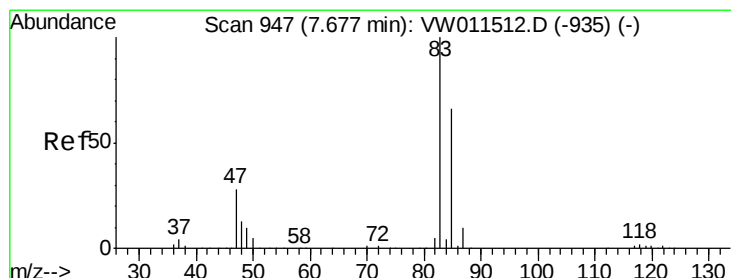
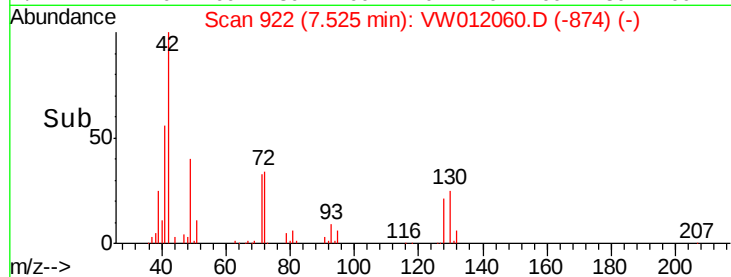
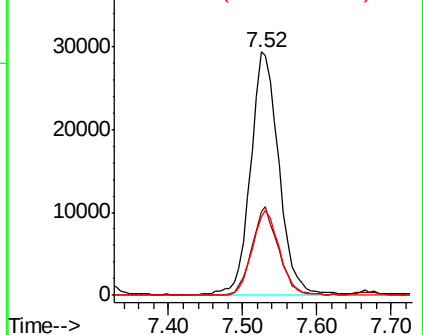
#29
Tetrahydrofuran
Concen: 97.220 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

Tgt Ion: 42 Resp: 78114
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 33.9 26.2 39.4

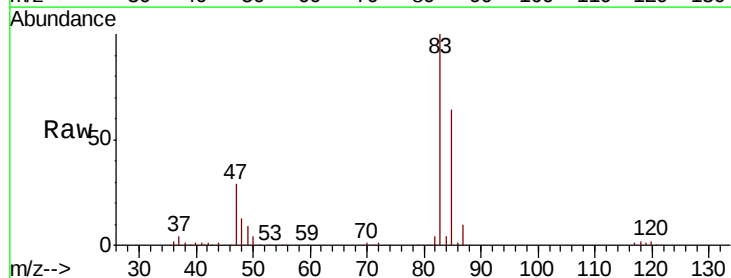


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

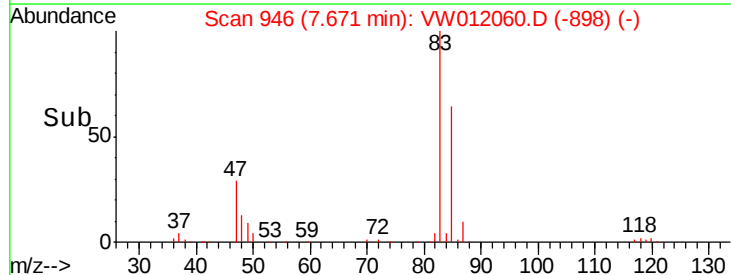
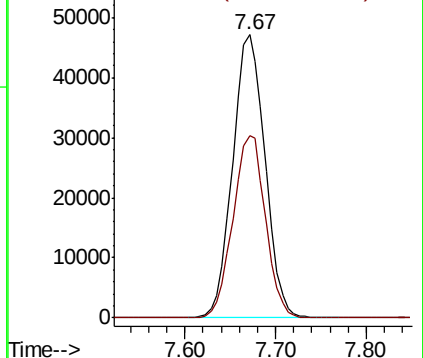


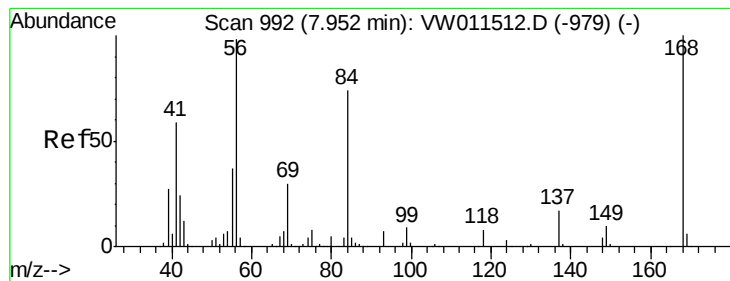
#30
Chloroform
Concen: 19.191 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 83 Resp: 116460
Ion Ratio Lower Upper
83 100
85 64.4 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: 19.604 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

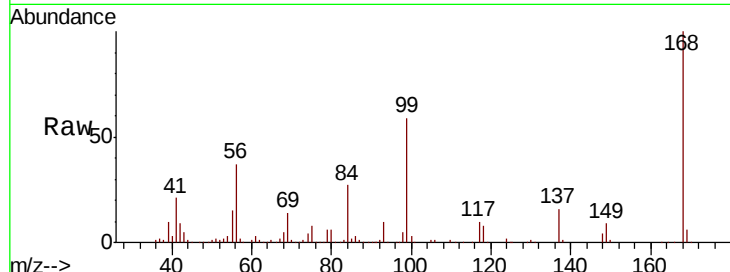
Tgt Ion: 56 Resp: 123782

Ion Ratio Lower Upper

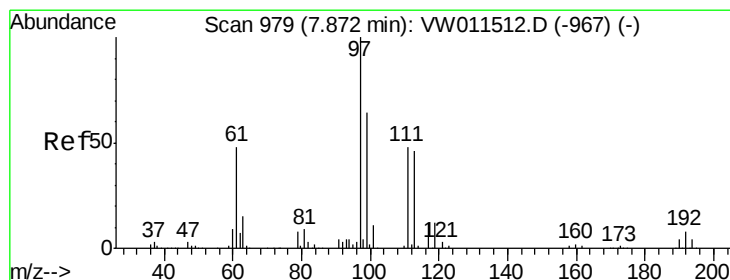
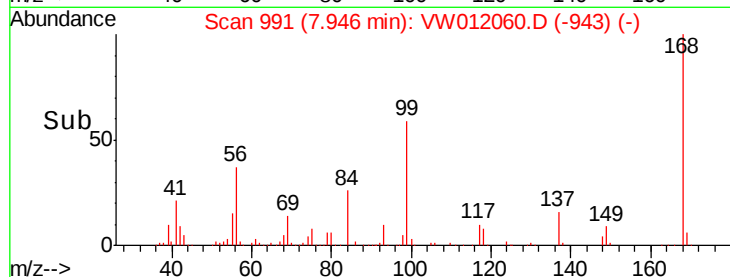
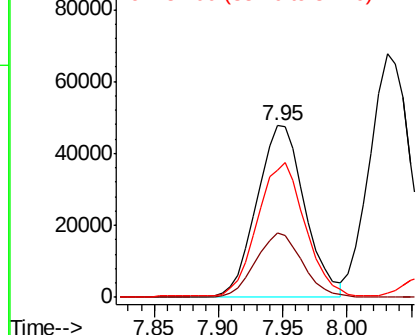
56 100

69 37.5 24.3 36.5#

84 73.1 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 19.546 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

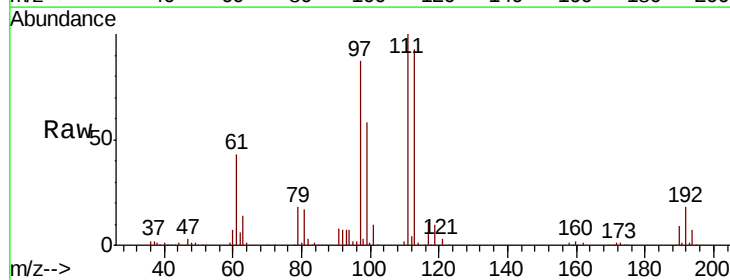
Tgt Ion: 97 Resp: 90334

Ion Ratio Lower Upper

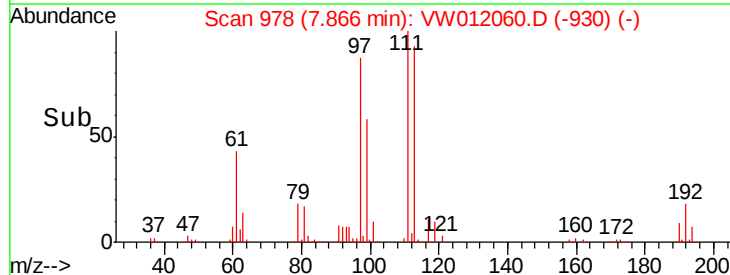
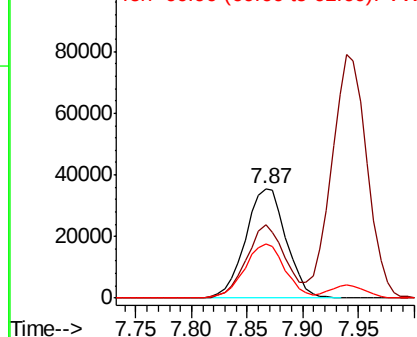
97 100

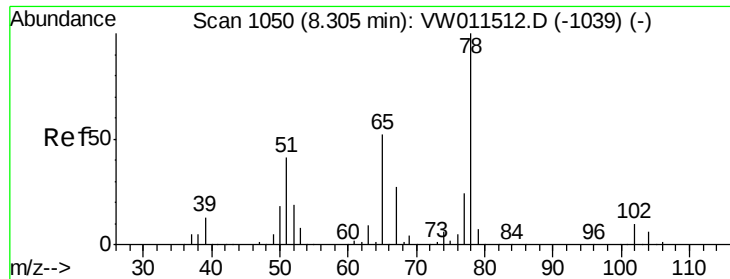
99 64.3 51.0 76.6

61 49.5 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

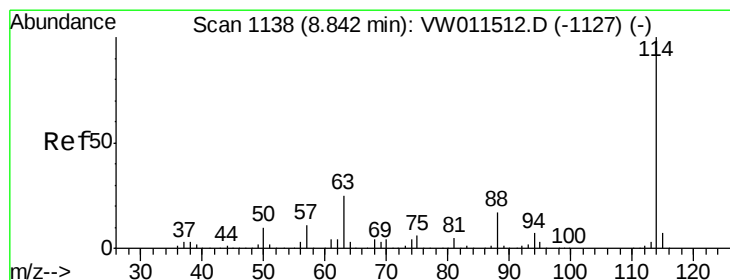
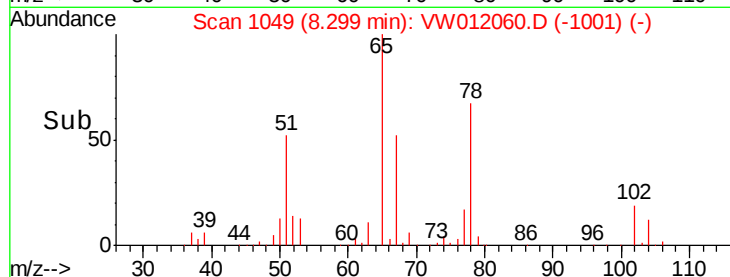
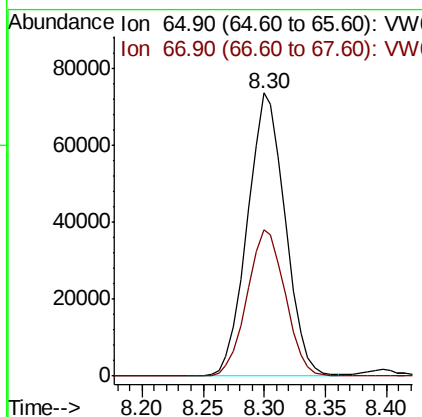
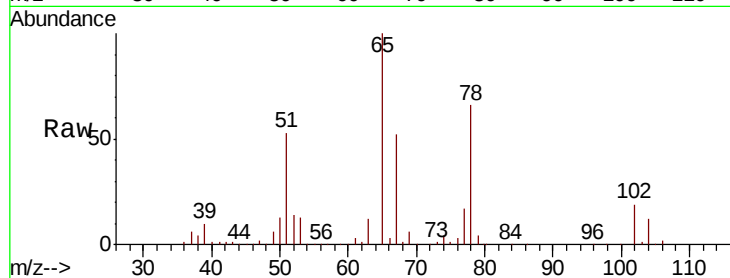




#33
 1,2-Dichloroethane-d4
 Concen: 46.823 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

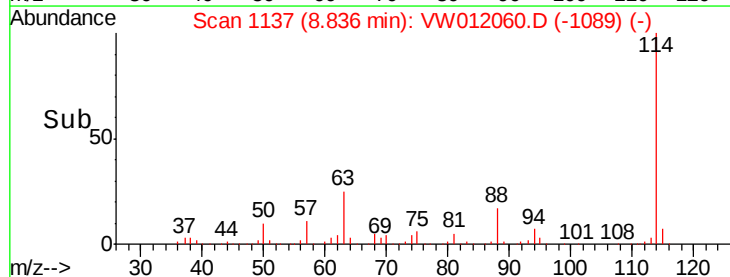
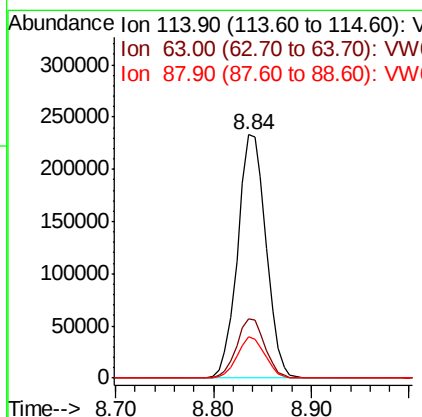
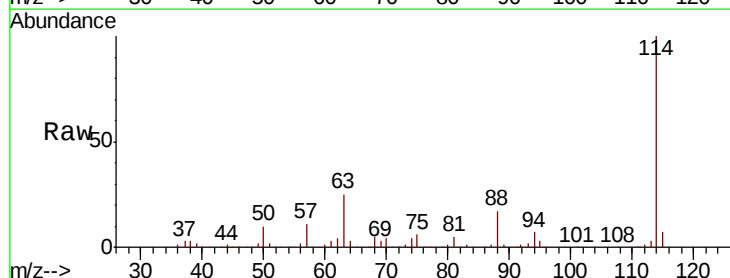
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

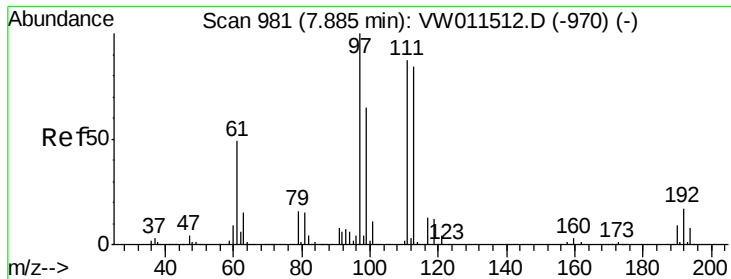
Tgt Ion: 65 Resp: 158120
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 114 Resp: 469440
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.9 0.0 33.8

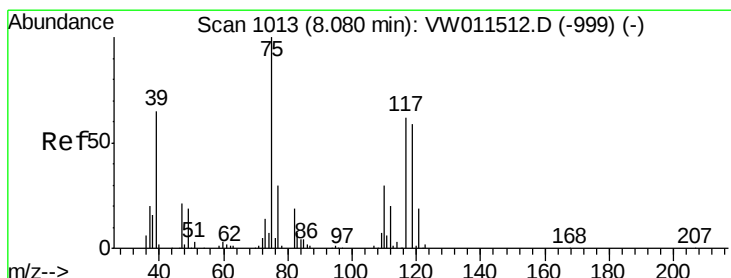
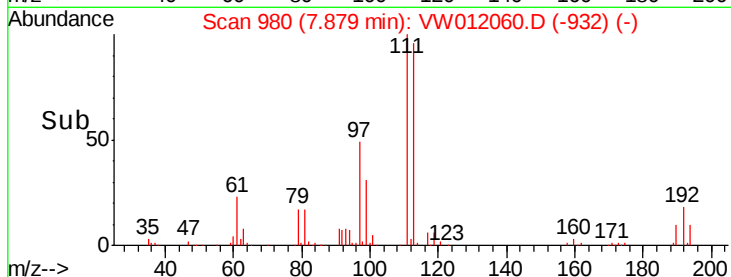
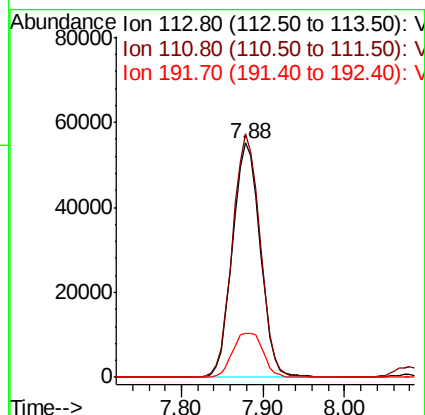
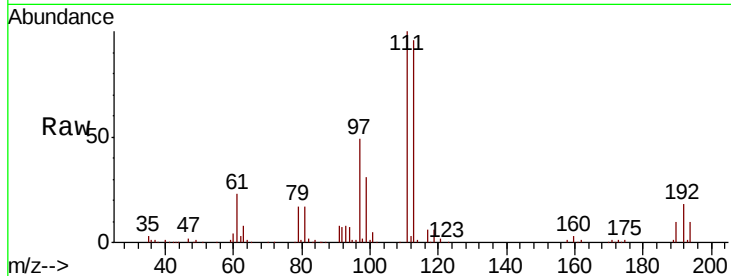




#35
 Dibromofluoromethane
 Concen: 49.007 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

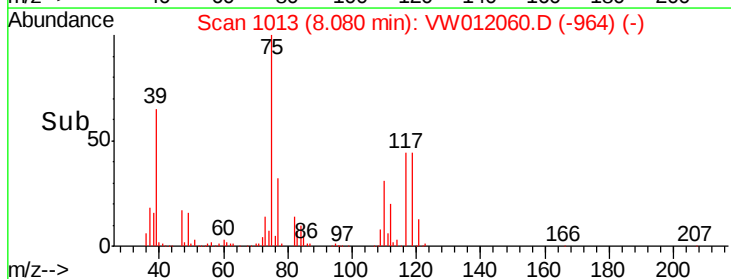
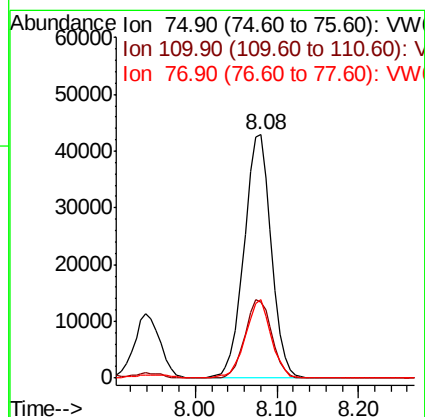
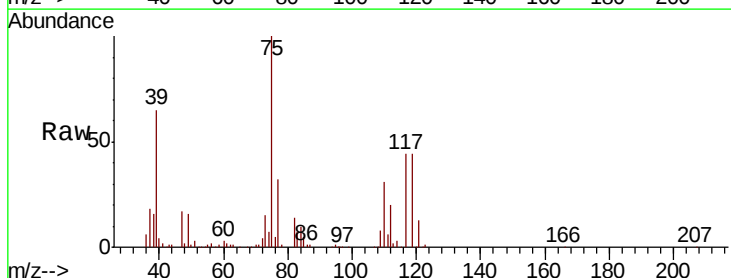
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

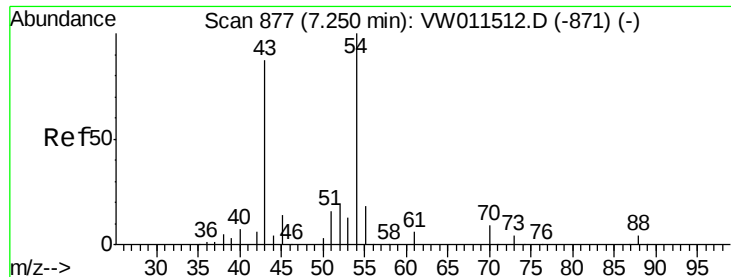
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.7	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 20.338 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.6	46.8
77	30.9	24.3	36.5

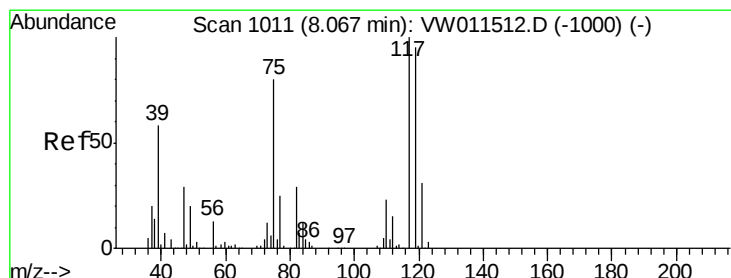
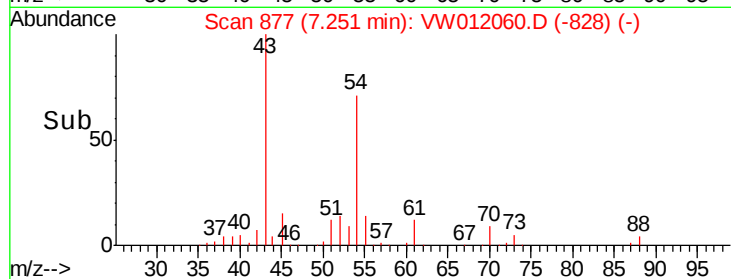
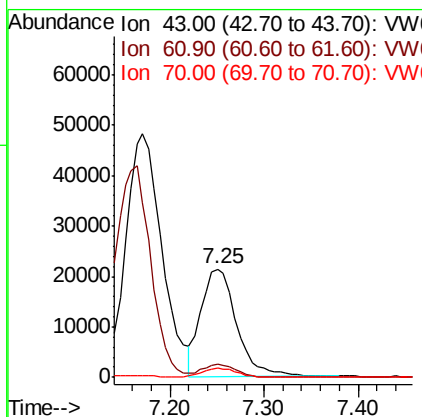
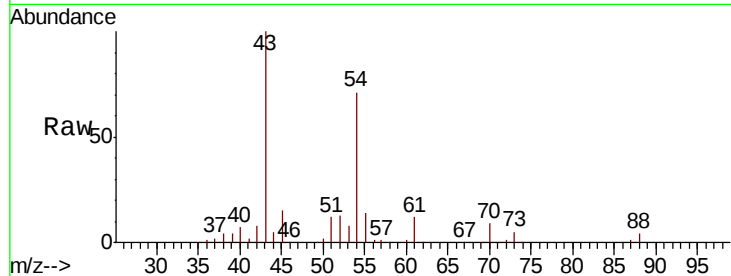




#37
Ethyl Acetate
Concen: 19.927 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

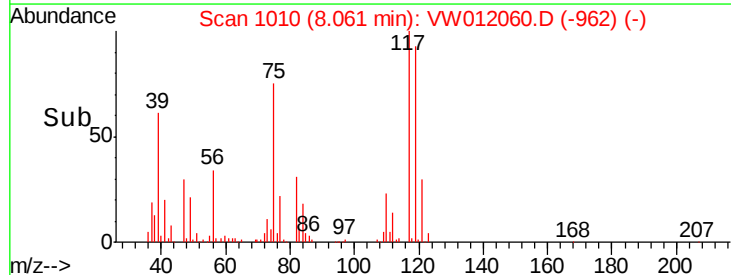
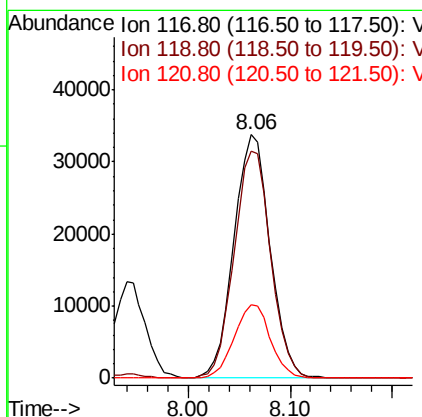
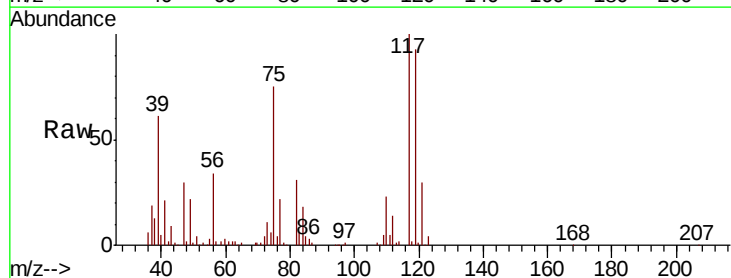
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

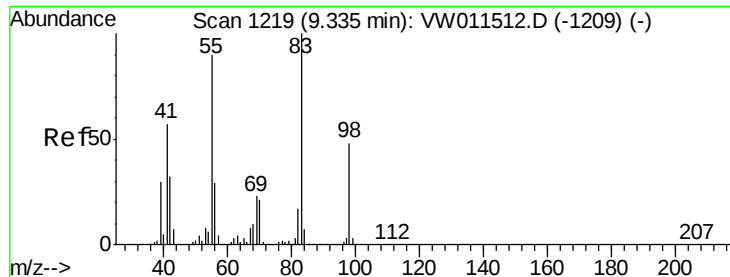
Tgt Ion: 43 Resp: 55963
Ion Ratio Lower Upper
43 100
61 11.6 8.8 13.2
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.967 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 117 Resp: 83435
Ion Ratio Lower Upper
117 100
119 93.4 75.8 113.6
121 30.3 24.7 37.1

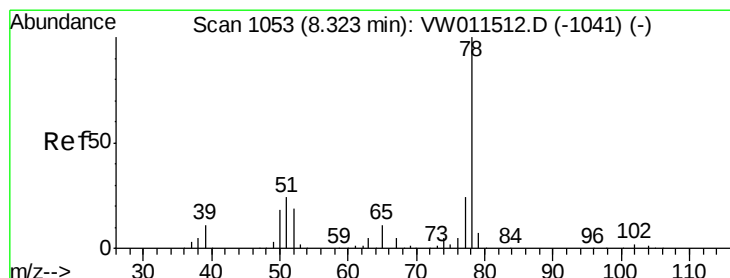
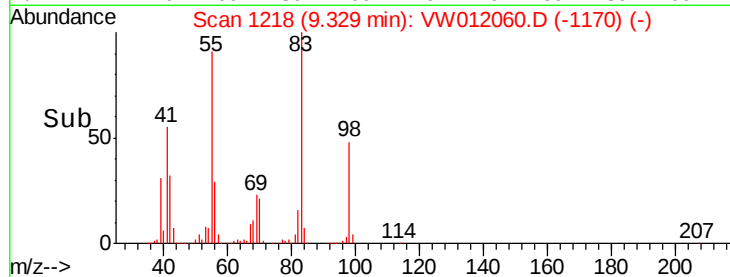
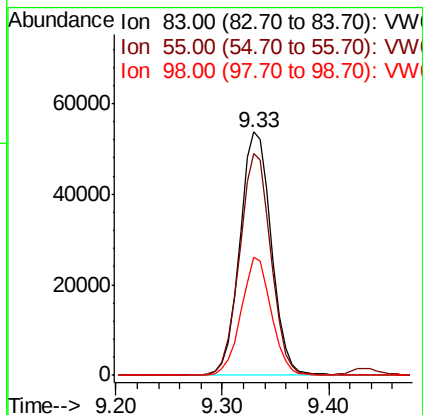
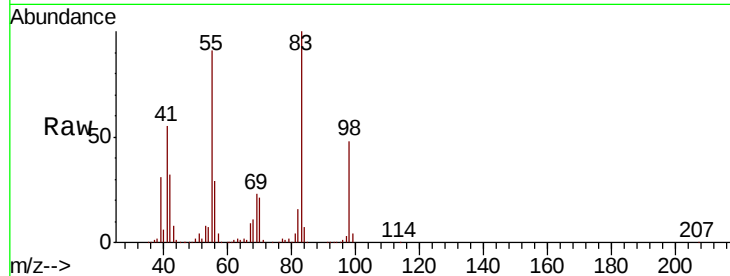




#39
Methylcyclohexane
Concen: 20.745 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

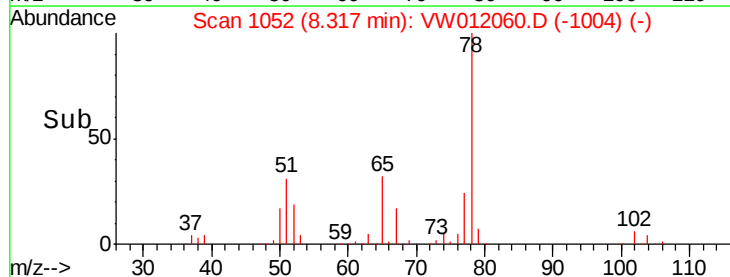
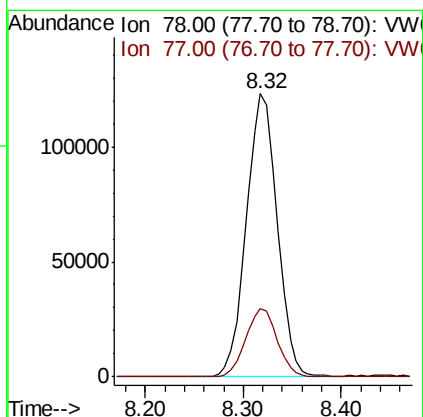
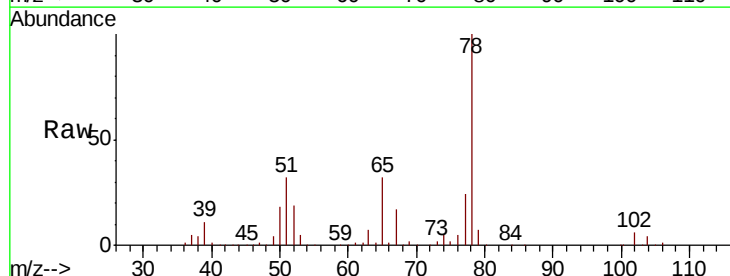
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

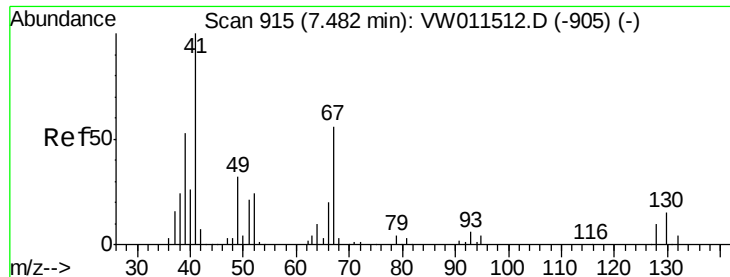
Tgt Ion: 83 Resp: 111502
Ion Ratio Lower Upper
83 100
55 90.8 72.1 108.1
98 48.3 38.6 57.8



#40
Benzene
Concen: 19.733 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 78 Resp: 269805
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 19.833 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

Tgt Ion: 41 Resp: 33294

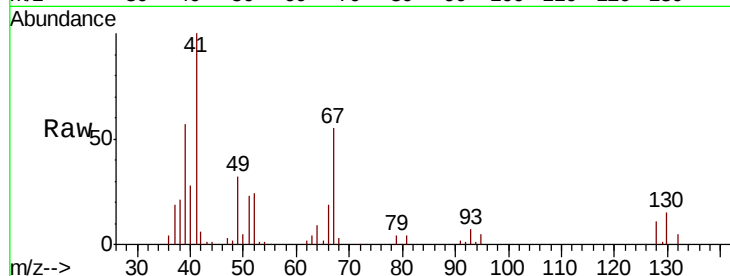
Ion Ratio Lower Upper

41 100

39 54.3 43.0 64.4

67 58.2 47.5 71.3

52 26.1 21.0 31.6

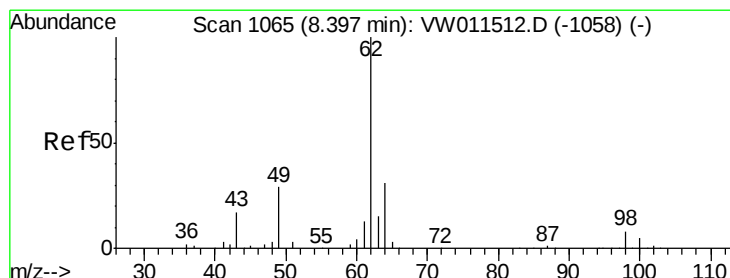
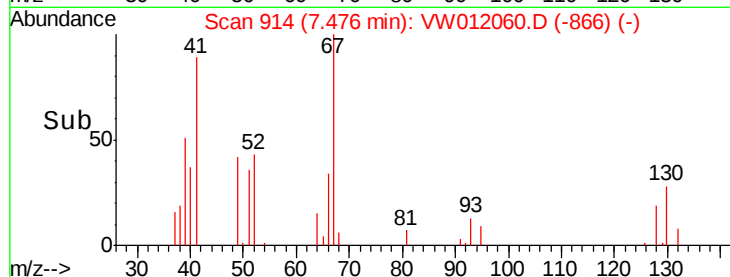
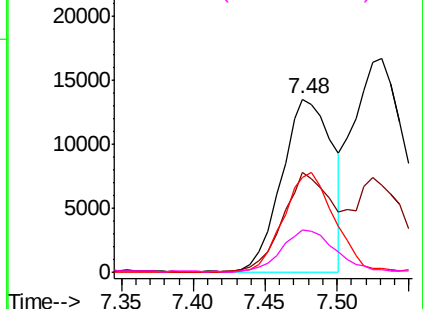


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.687 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW012060.D

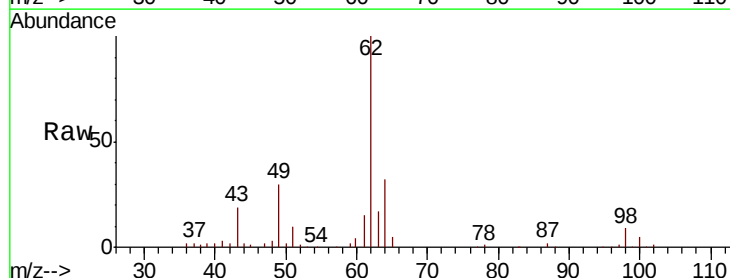
Acq: 21 Aug 2019 10:07

Tgt Ion: 62 Resp: 84276

Ion Ratio Lower Upper

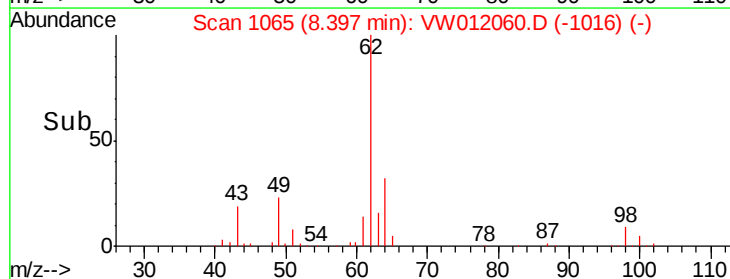
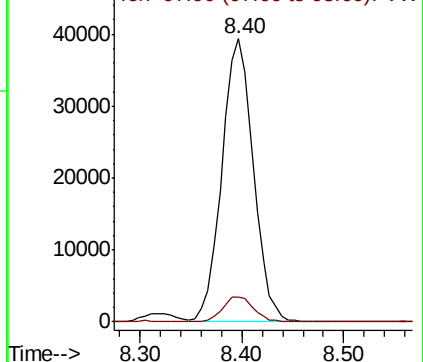
62 100

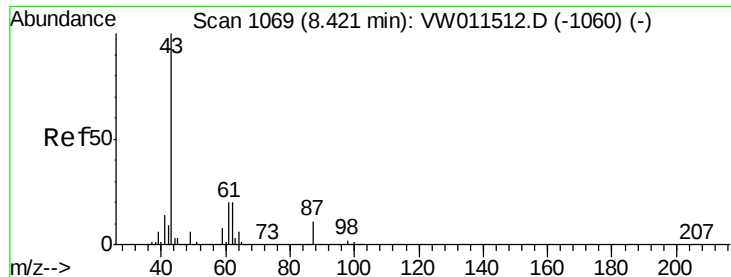
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.120 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

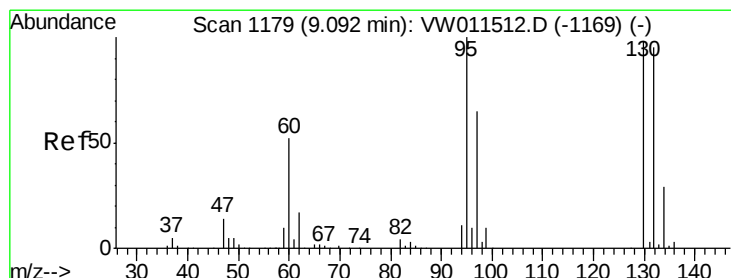
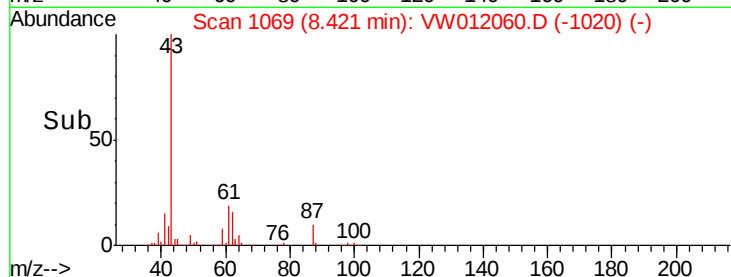
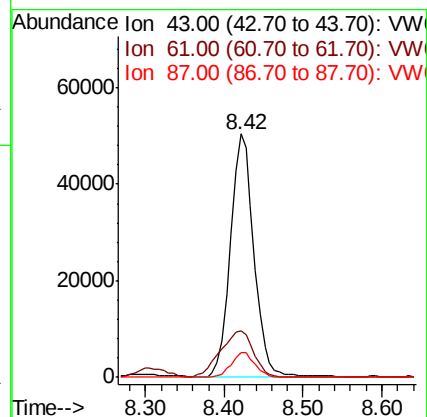
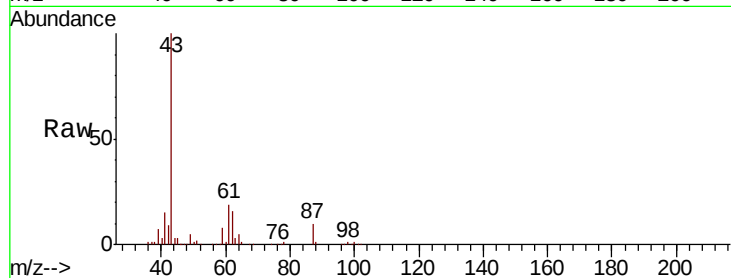
Tgt Ion: 43 Resp: 103914

Ion Ratio Lower Upper

43 100

61 26.6 21.5 32.3

87 10.3 8.4 12.6



#44

Trichloroethene

Concen: 19.963 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012060.D

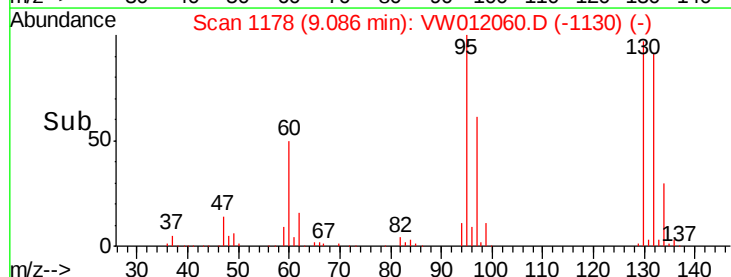
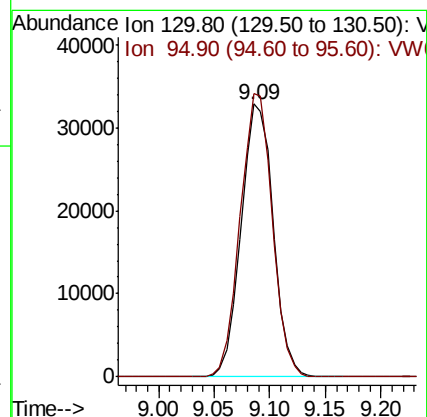
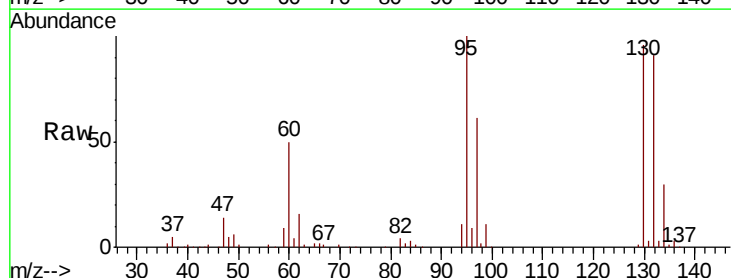
Acq: 21 Aug 2019 10:07

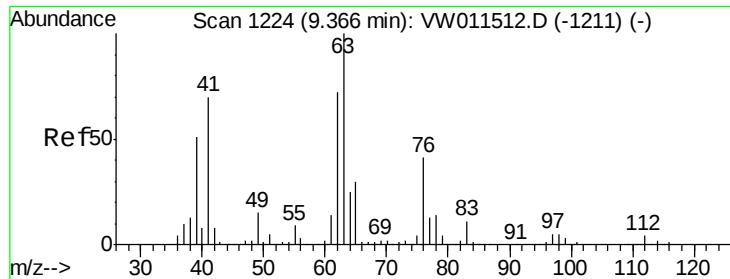
Tgt Ion: 130 Resp: 65602

Ion Ratio Lower Upper

130 100

95 103.7 0.0 204.8

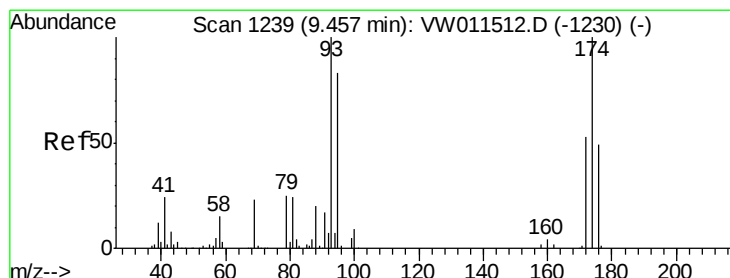
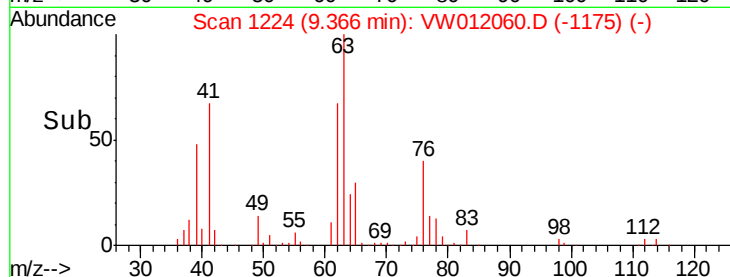
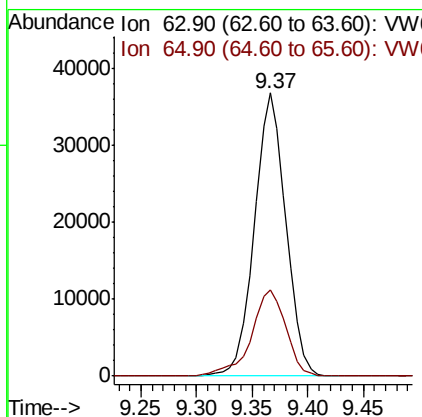
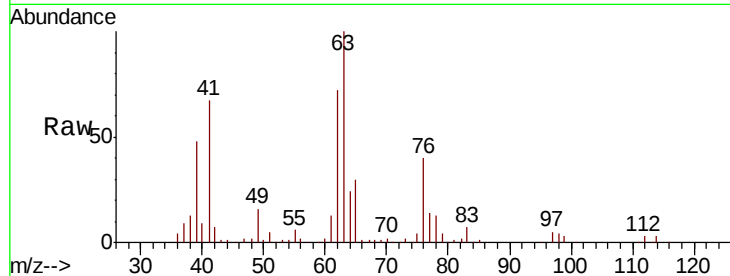




#45
 1,2-Dichloropropane
 Concen: 19.770 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

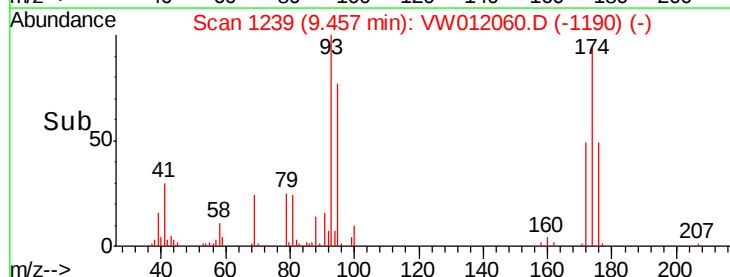
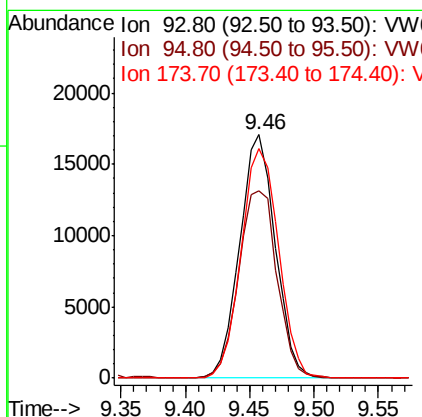
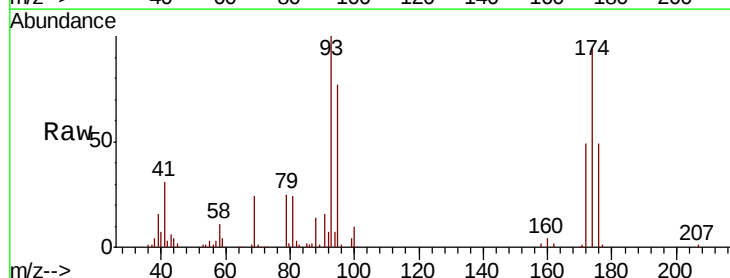
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

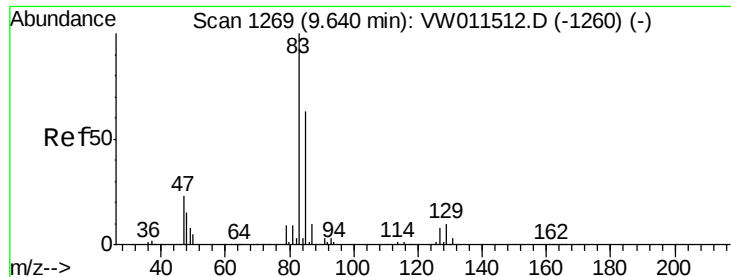
Tgt Ion: 63 Resp: 72328
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.4



#46
 Dibromomethane
 Concen: 19.645 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 93 Resp: 32803
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 98.8 78.2 117.4

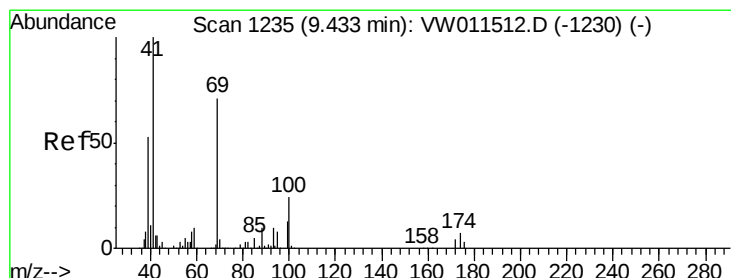
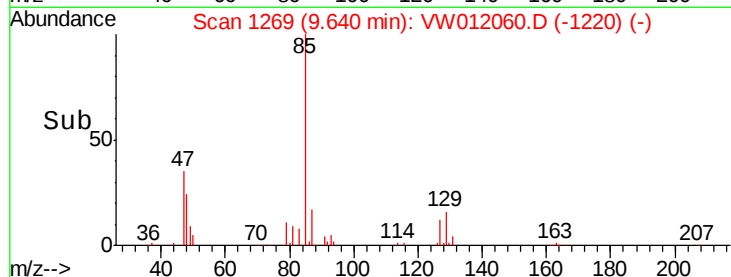
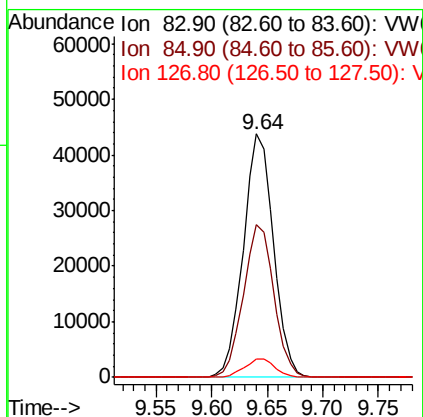
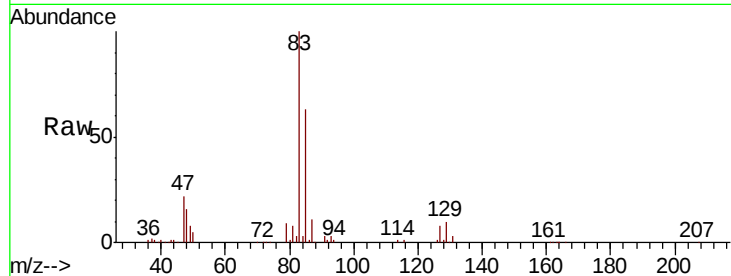




#47
 Bromodichloromethane
 Concen: 18.845 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

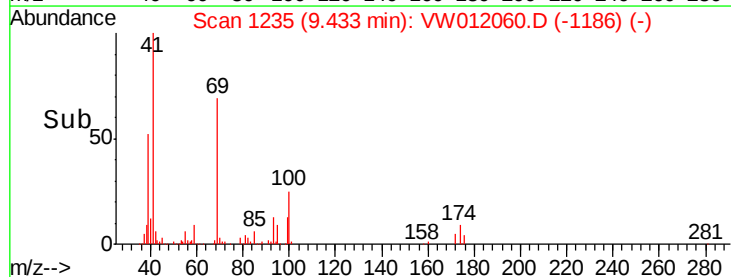
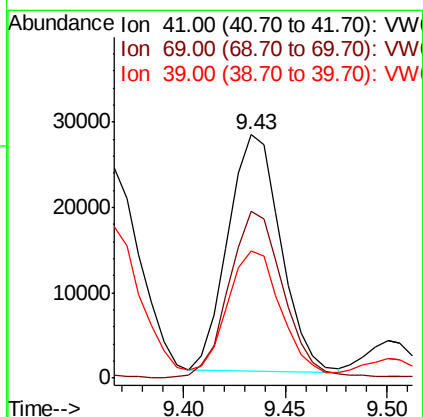
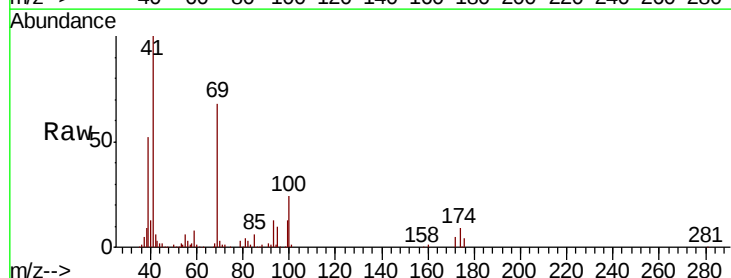
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

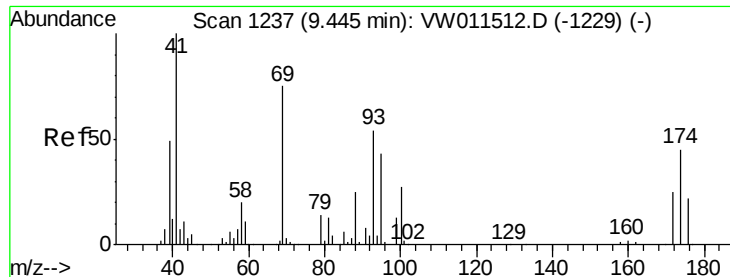
Tgt Ion: 83 Resp: 82542
 Ion Ratio Lower Upper
 83 100
 85 62.9 50.5 75.7
 127 7.5 6.4 9.6



#48
 Methyl methacrylate
 Concen: 19.962 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 41 Resp: 49525
 Ion Ratio Lower Upper
 41 100
 69 72.9 57.1 85.7
 39 55.6 45.4 68.2

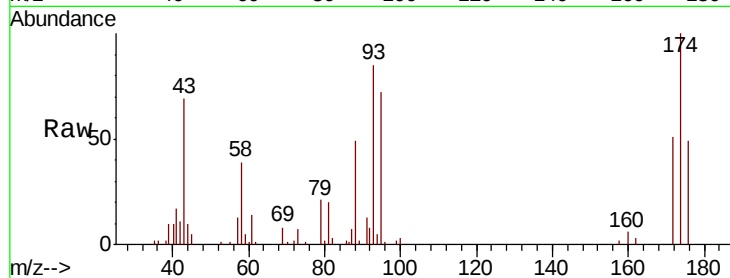




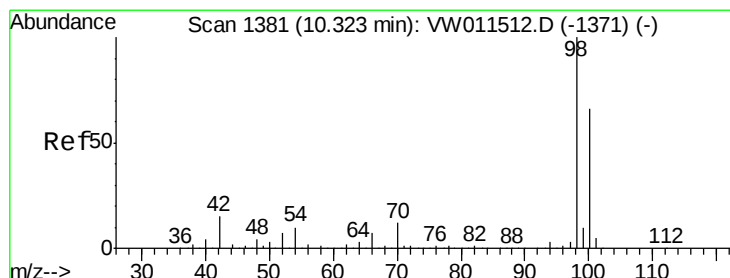
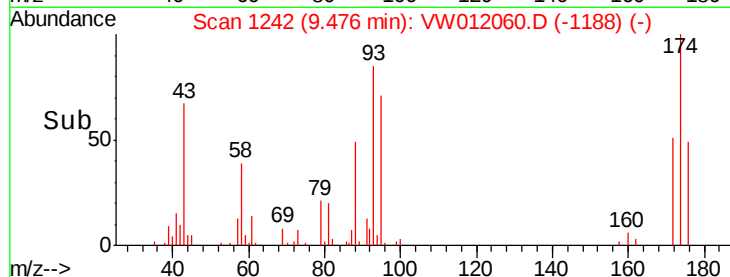
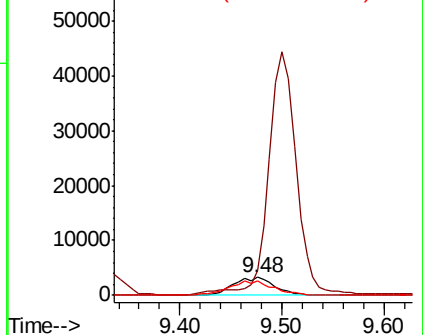
#49
 1,4-Dioxane
 Concen: 377.258 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. 0.03 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Instrument :
 MSVOA_W
 ClientSampled :
 VW0821SBS01

Tgt Ion: 88 Resp: 9121
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.0 51.0#
 58 86.8 69.7 104.5

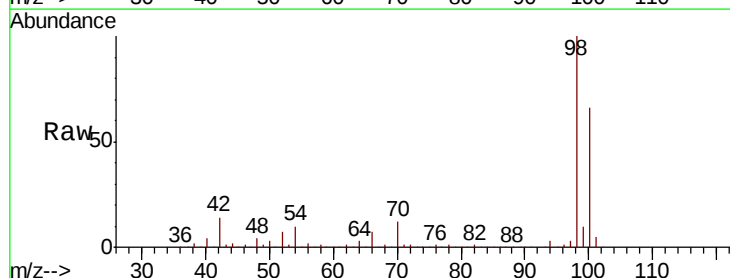


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

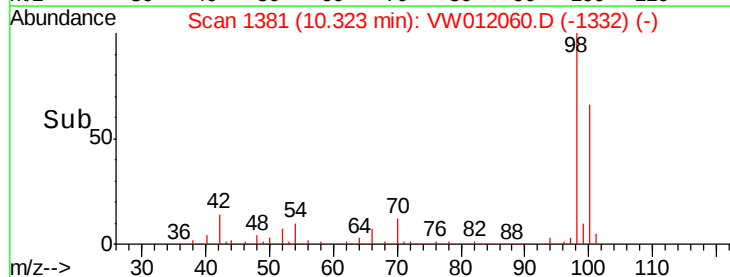
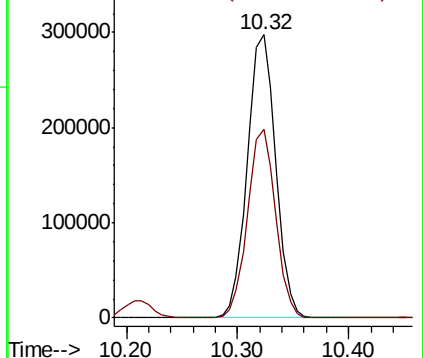


#50
 Toluene-d8
 Concen: 49.105 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 98 Resp: 529497
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

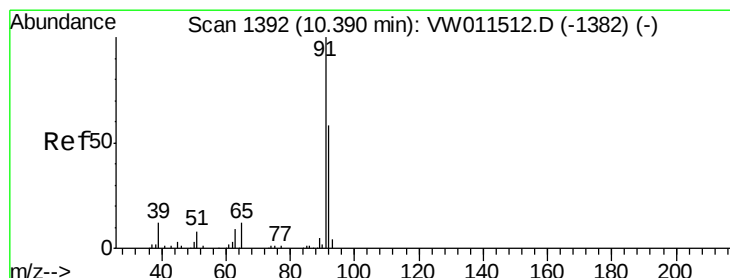
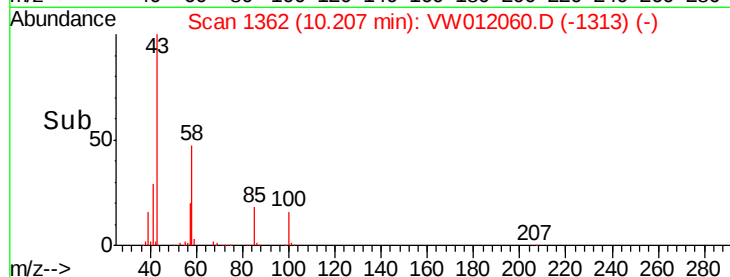
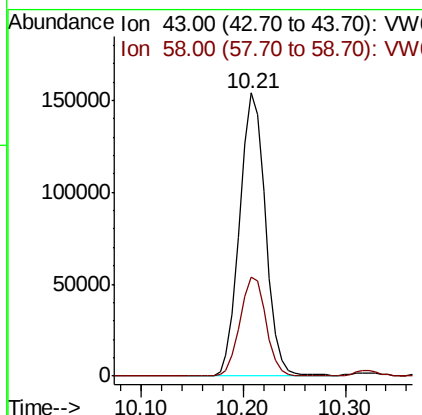
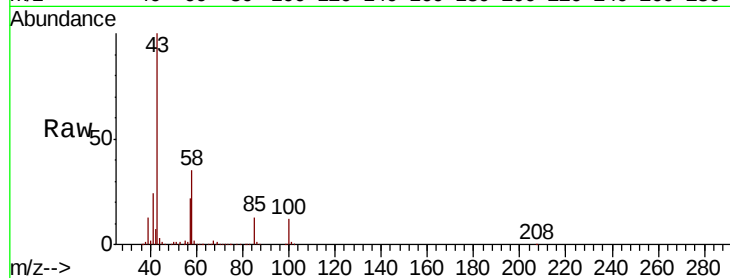




#51
 4-Methyl-2-Pentanone
 Concen: 100.588 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

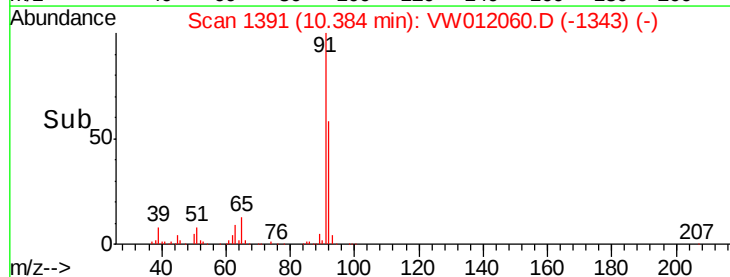
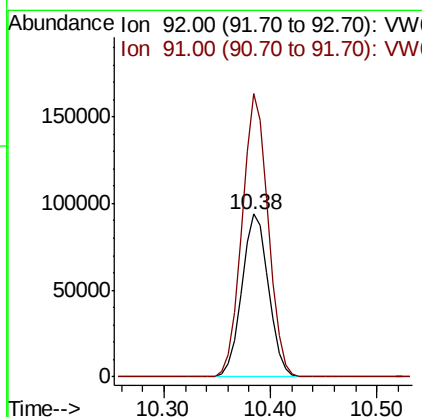
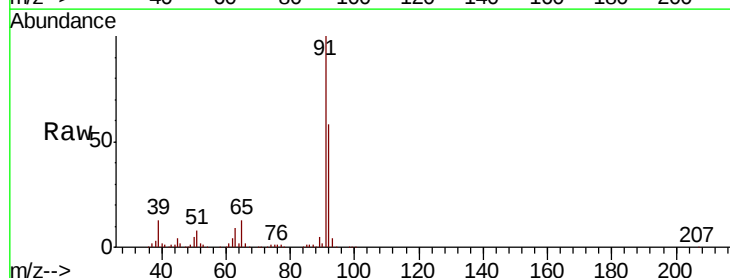
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

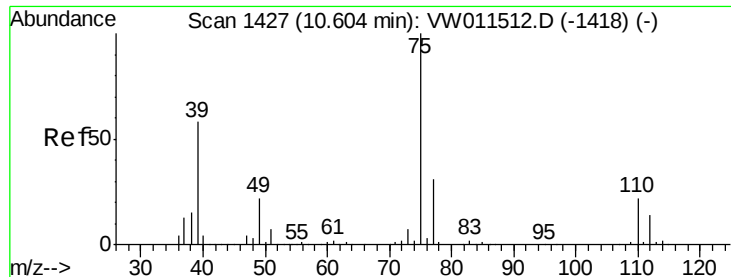
Tgt Ion: 43 Resp: 270225
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.2 42.2



#52
 Toluene
 Concen: 20.055 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 92 Resp: 165590
 Ion Ratio Lower Upper
 92 100
 91 169.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.019 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

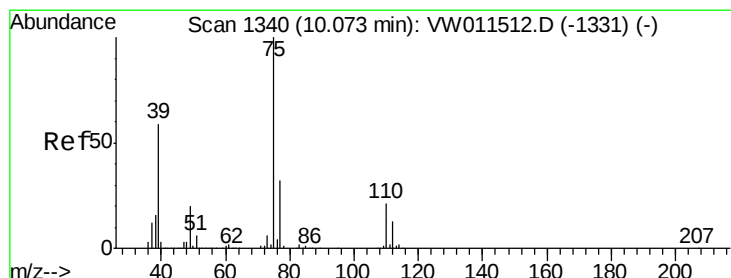
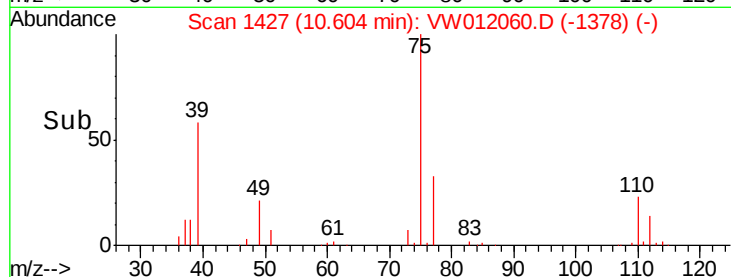
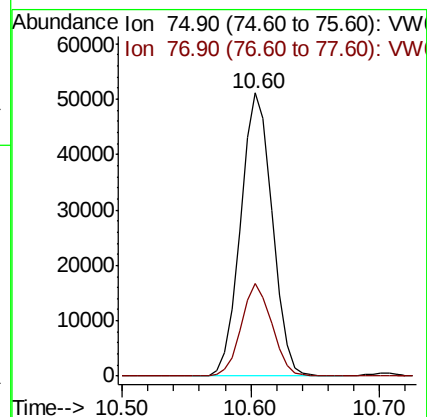
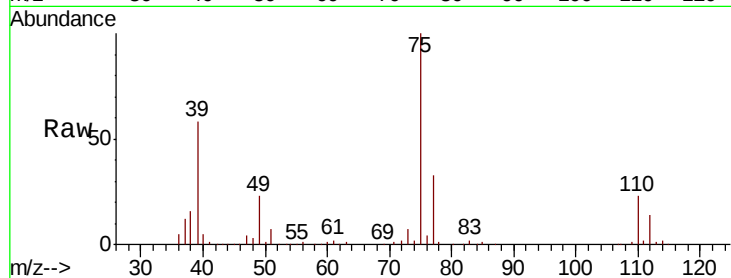
VW0821SBS01

Tgt Ion: 75 Resp: 87021

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.444 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

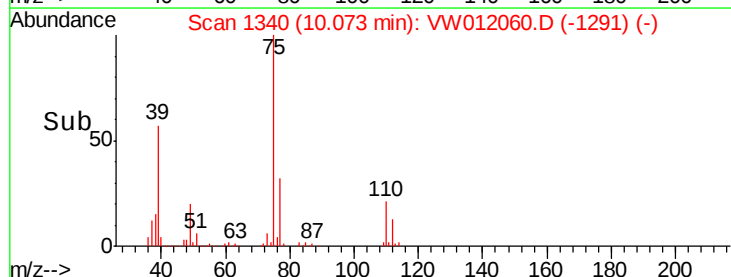
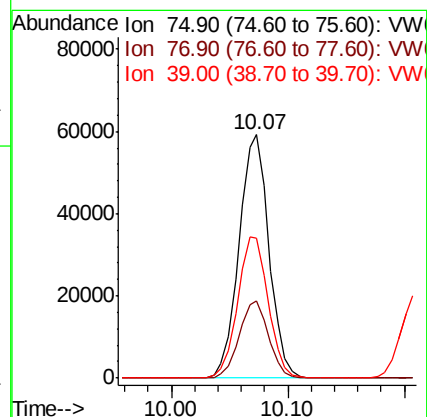
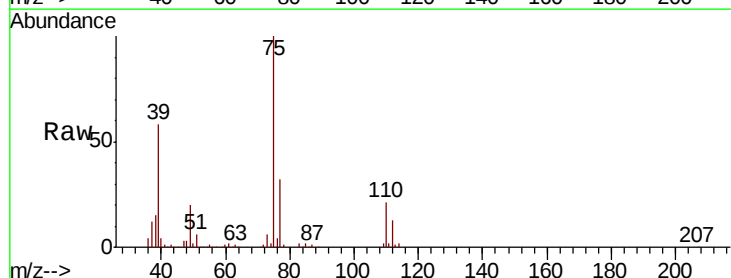
Tgt Ion: 75 Resp: 105779

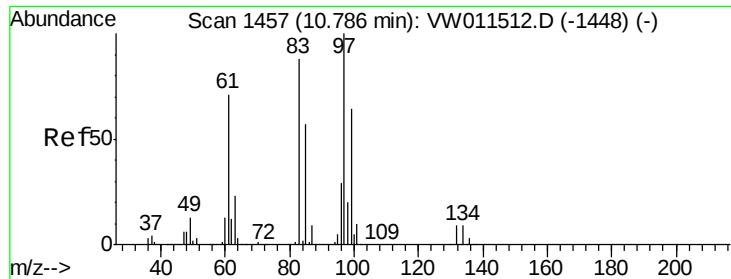
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 57.4 47.0 70.4

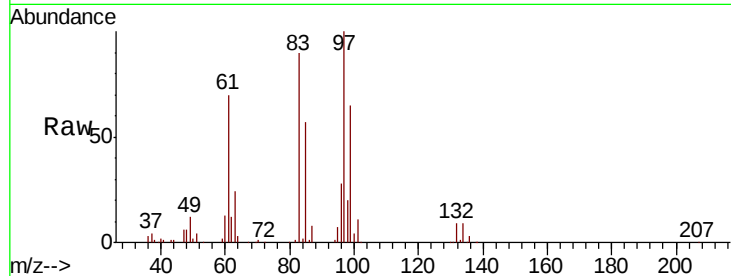




#55
 1,1,2-Trichloroethane
 Concen: 19.840 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

Tgt Ion:	97	Resp:	47005
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.5	105.7
85	57.5	45.8	68.6
99	64.9	51.0	76.4



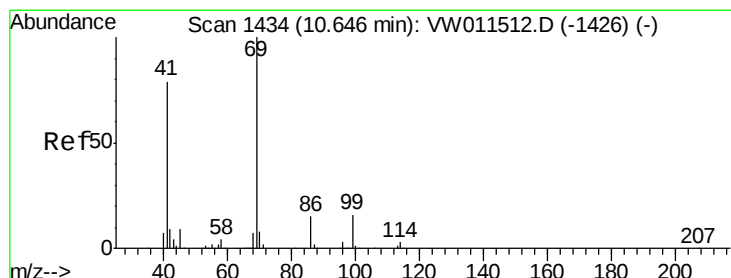
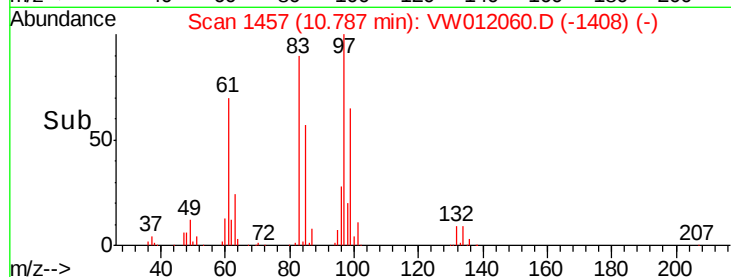
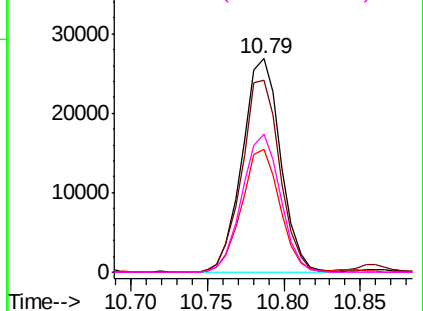
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

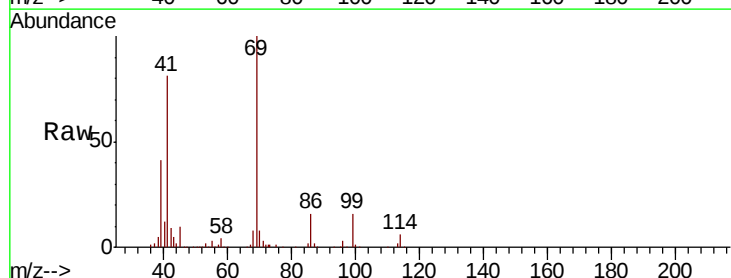
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.191 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion:	69	Resp:	69997
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.6	99.8
39	37.4	30.3	45.5

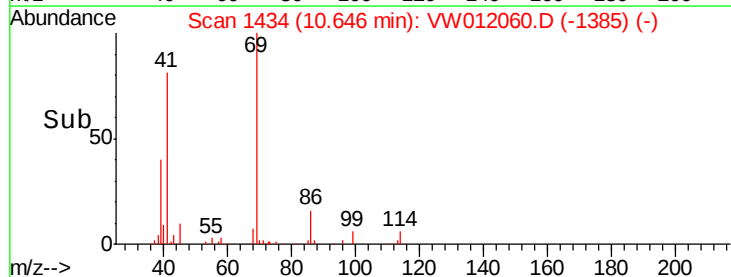
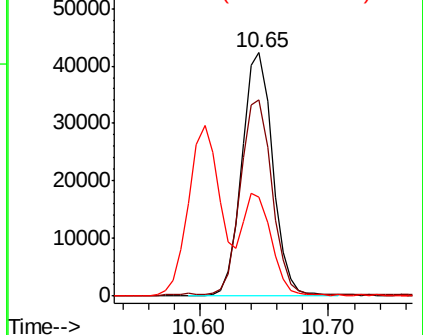


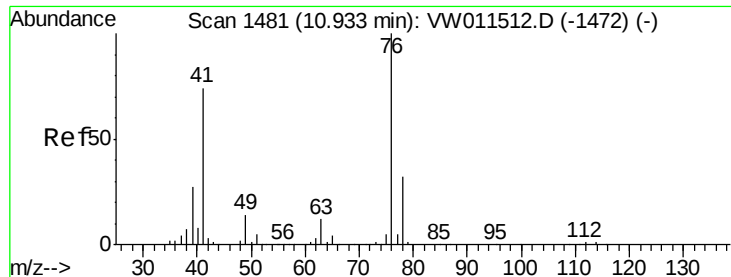
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.164 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

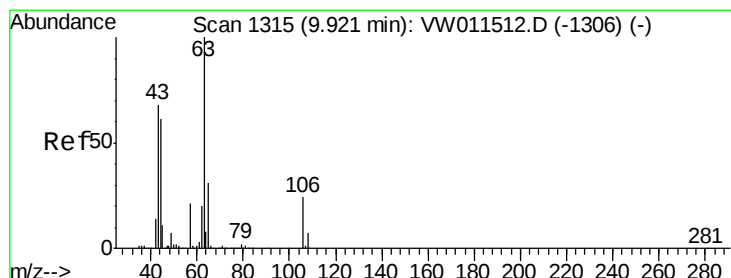
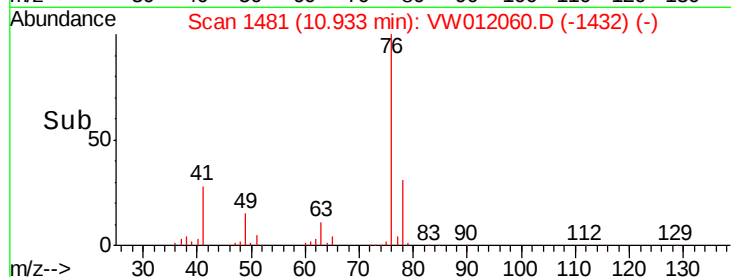
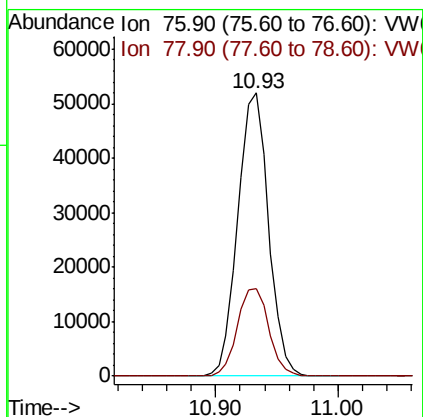
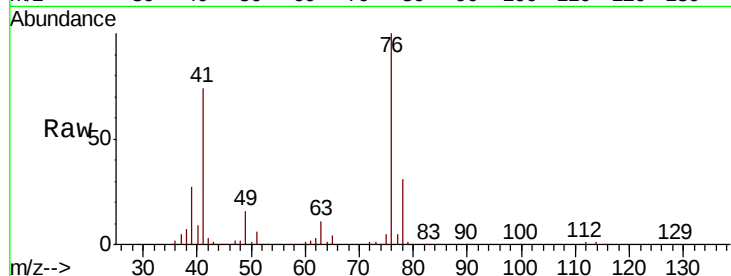
VW0821SBS01

Tgt Ion: 76 Resp: 90379

Ion Ratio Lower Upper

76 100

78 31.7 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 113.629 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012060.D

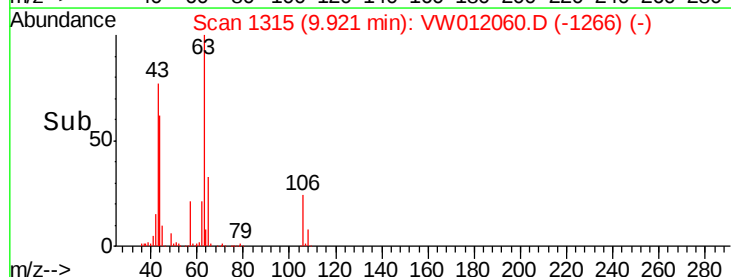
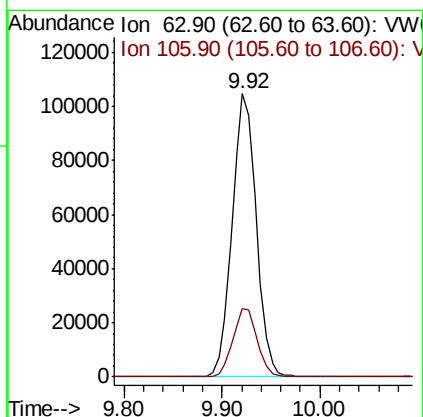
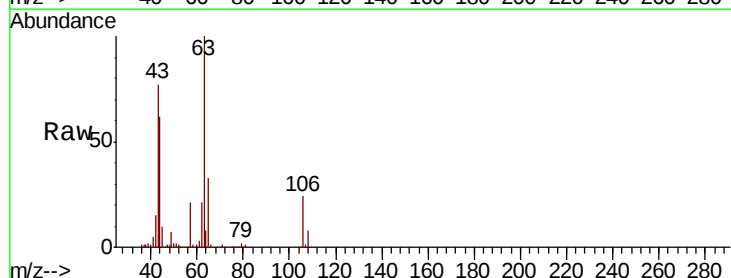
Acq: 21 Aug 2019 10:07

Tgt Ion: 63 Resp: 178860

Ion Ratio Lower Upper

63 100

106 24.3 19.7 29.5

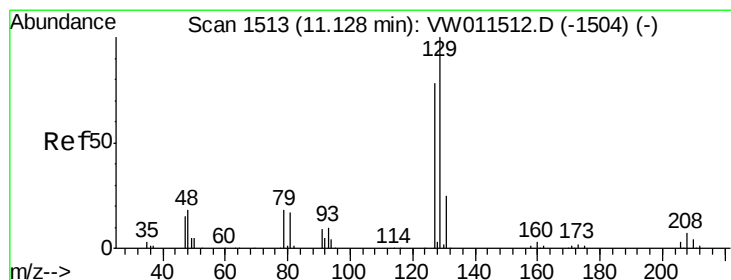
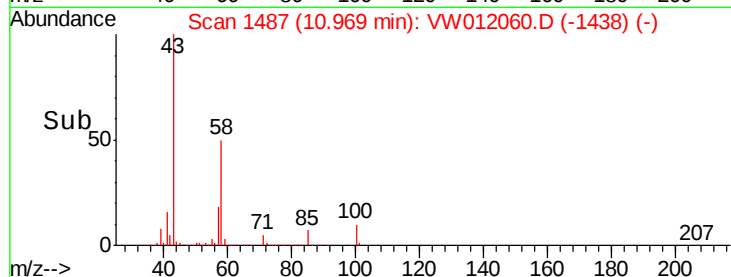
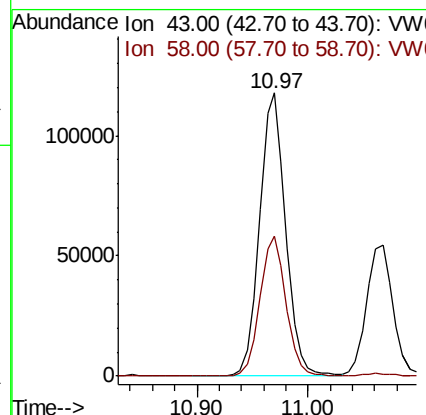
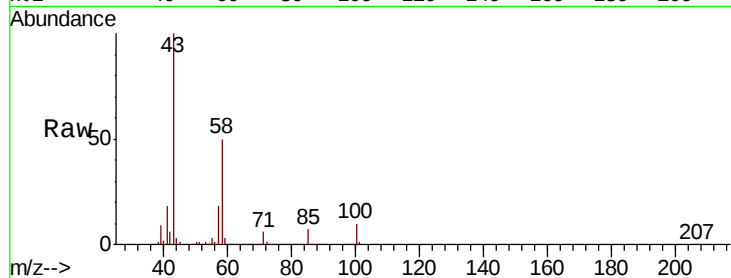




#59
2-Hexanone
Concen: 101.111 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

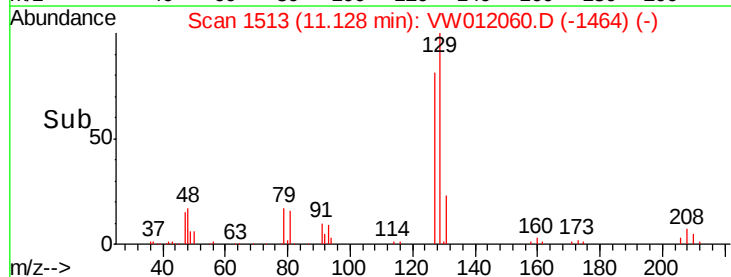
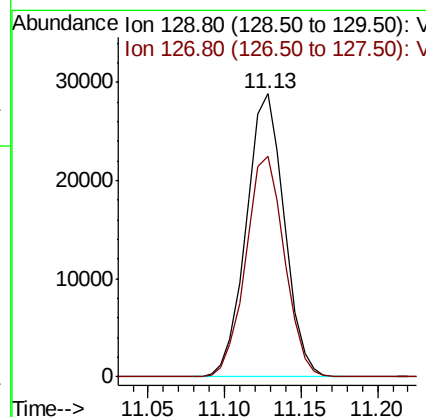
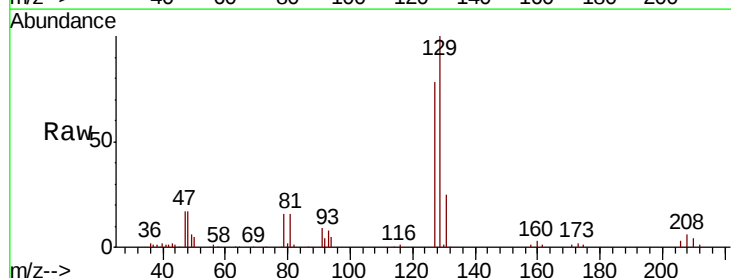
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

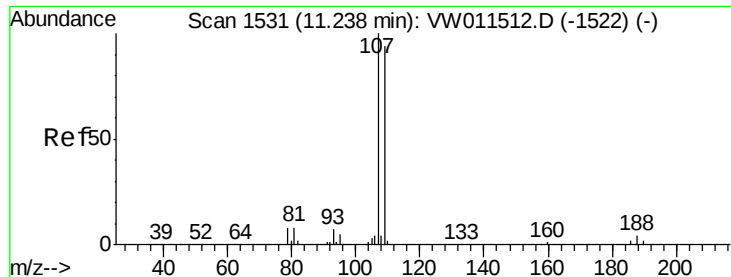
Tgt Ion: 43 Resp: 191789
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9



#60
Dibromochloromethane
Concen: 18.966 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 129 Resp: 49878
Ion Ratio Lower Upper
129 100
127 79.4 38.9 116.7

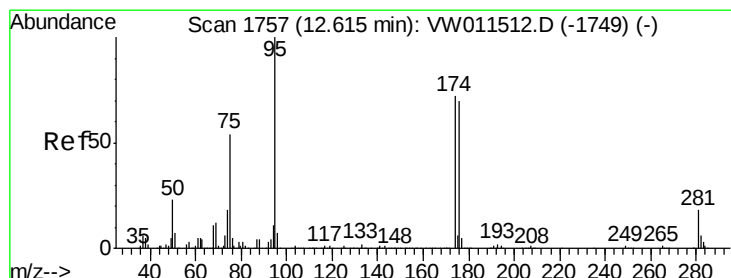
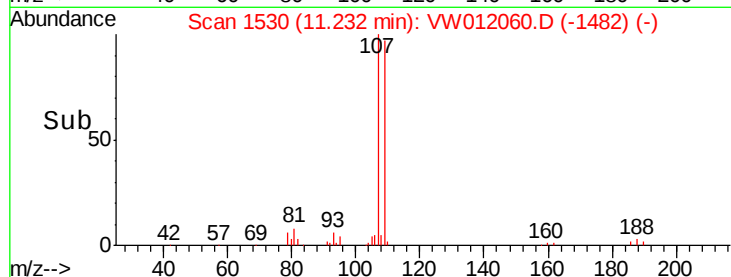
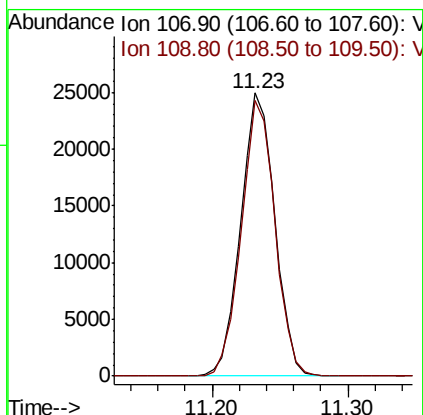
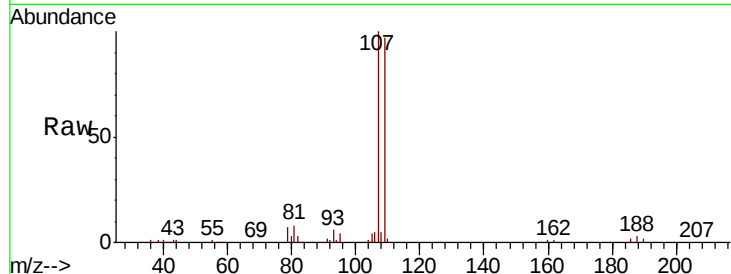




#61
 1,2-Dibromoethane
 Concen: 19.483 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

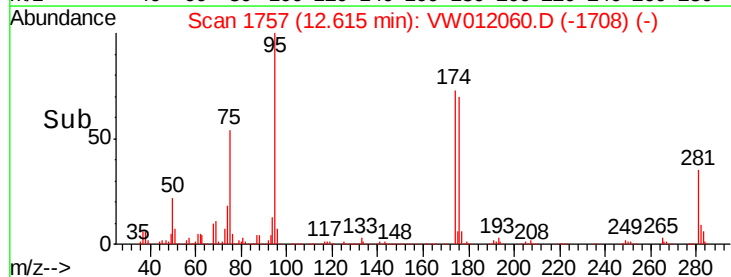
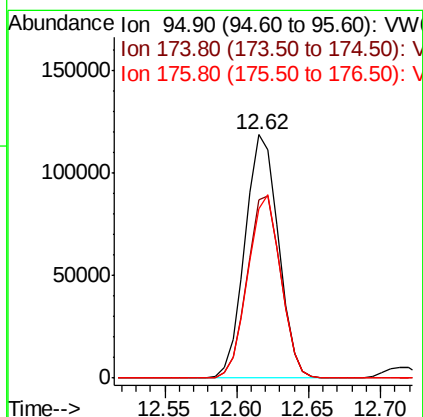
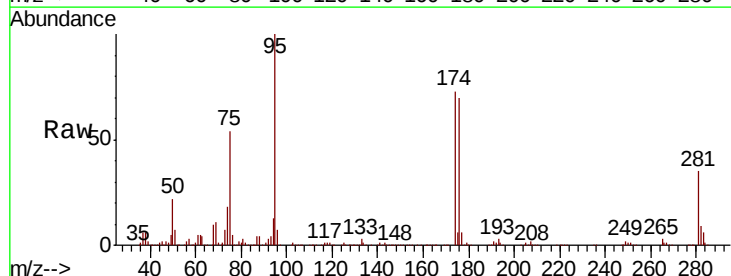
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

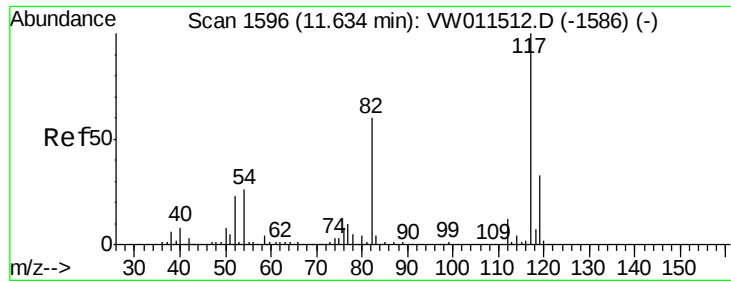
Tgt Ion: 107 Resp: 43682
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.526 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 95 Resp: 190395
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.2
 176 74.2 0.0 144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

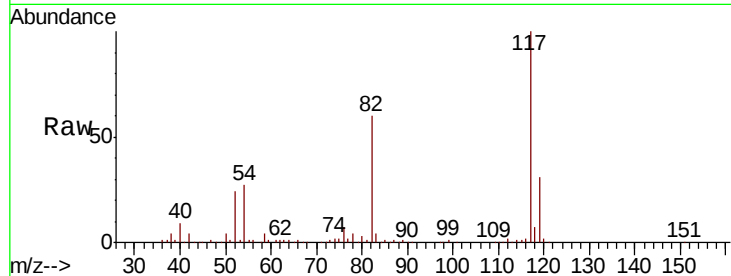
Tgt Ion:117 Resp: 408600

Ion Ratio Lower Upper

117 100

82 60.1 47.9 71.9

119 31.3 26.2 39.2

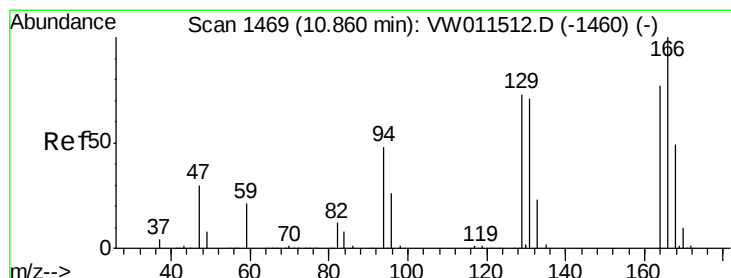
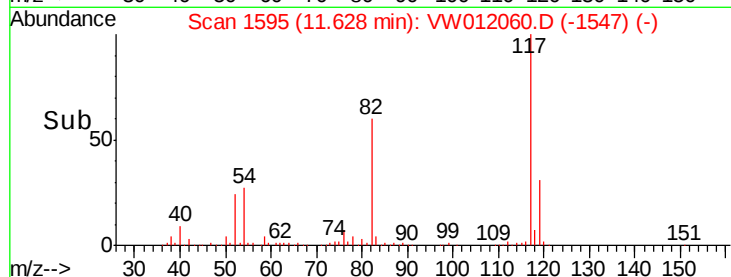
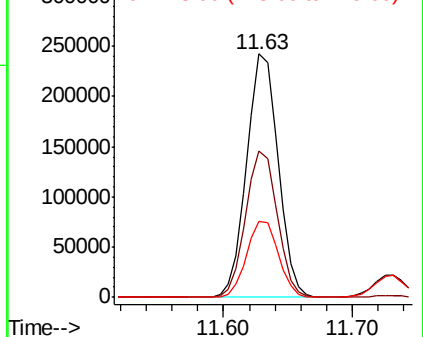


Abundance

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: 20.290 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Tgt Ion:164 Resp: 53981

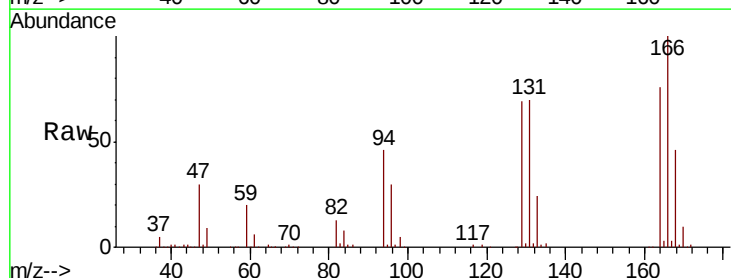
Ion Ratio Lower Upper

164 100

166 131.0 103.5 155.3

129 90.4 75.2 112.8

131 92.2 73.4 110.2



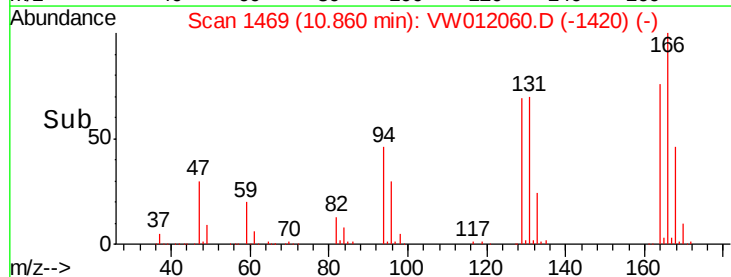
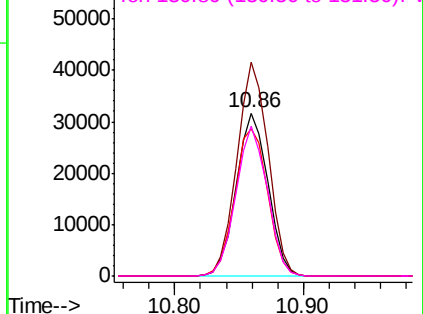
Abundance

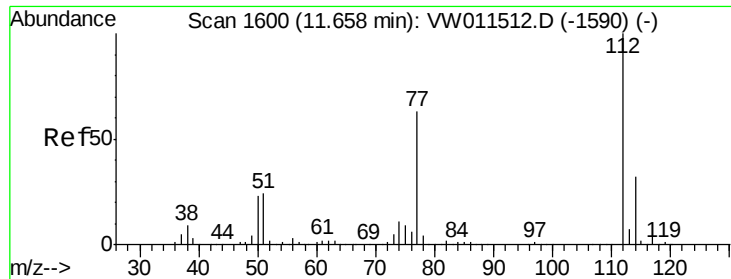
Ion 163.80 (163.50 to 164.50): V

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: 20.479 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

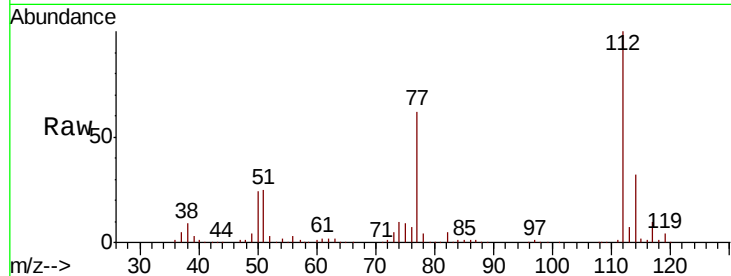
VW0821SBS01

Tgt Ion:112 Resp: 168231

Ion Ratio Lower Upper

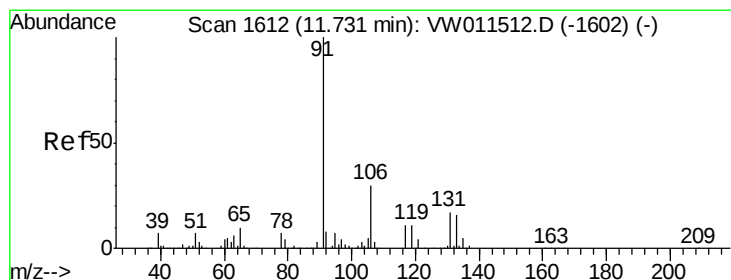
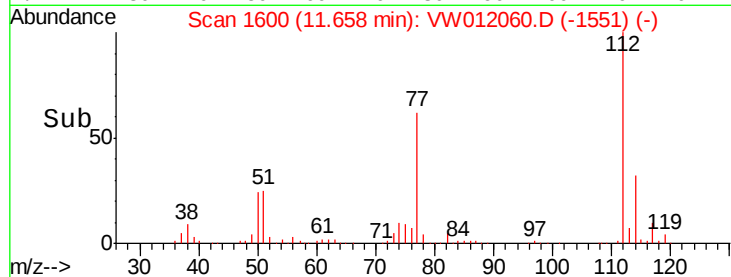
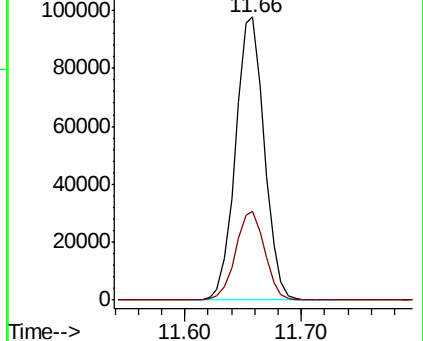
112 100

114 31.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.030 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

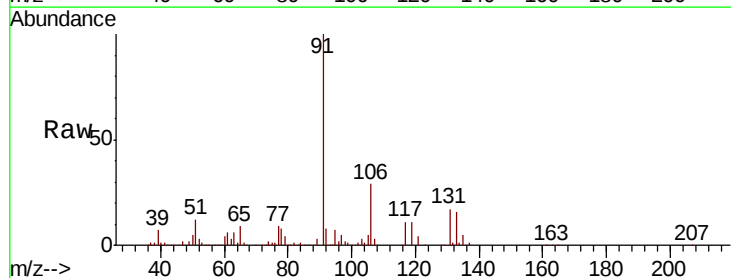
Tgt Ion:131 Resp: 57314

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.2

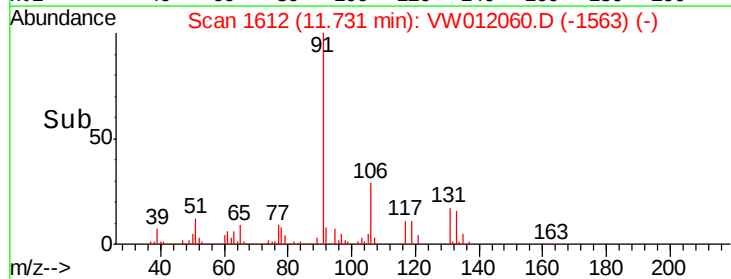
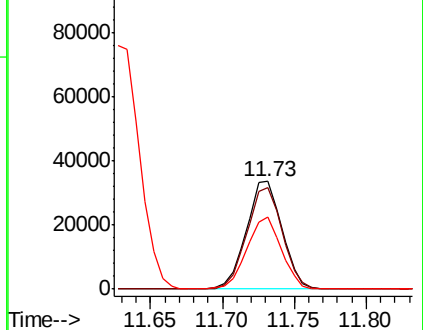
119 65.1 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

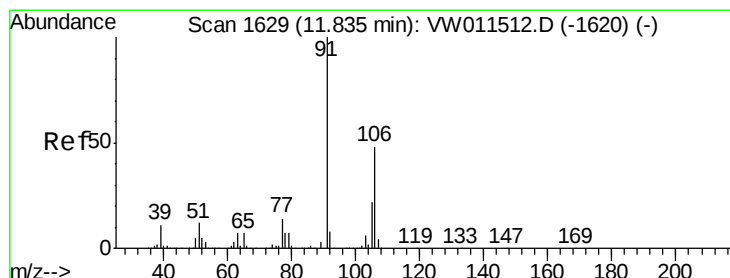
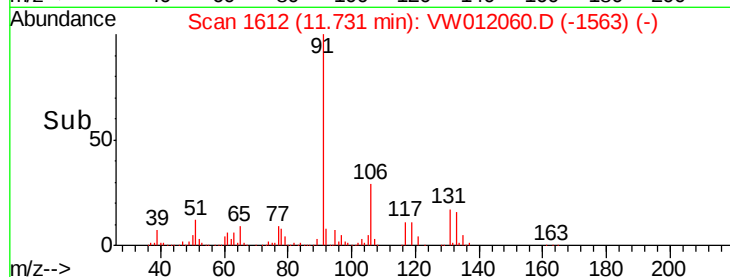
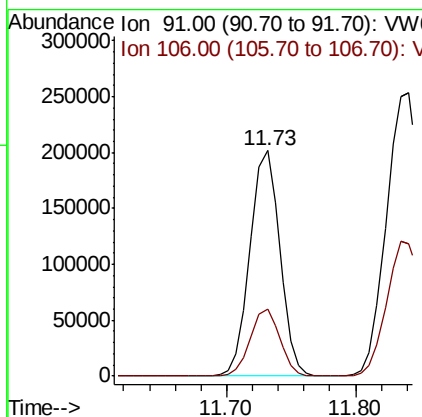
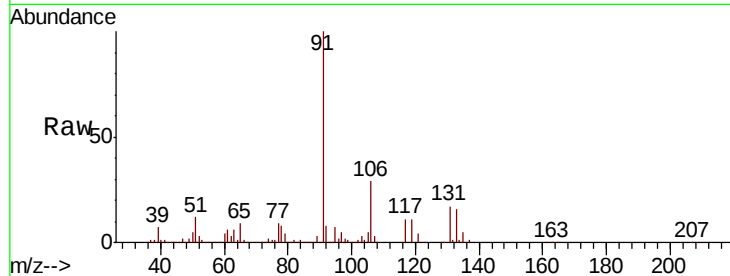




#67
Ethyl Benzene
Concen: 20.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

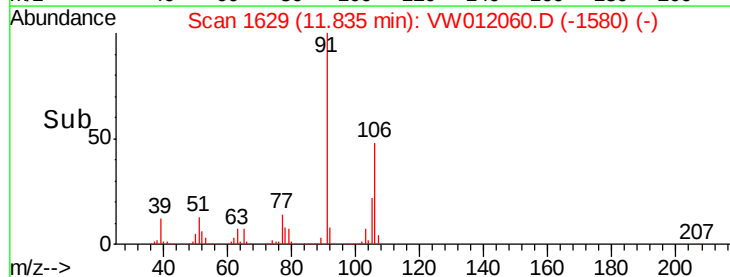
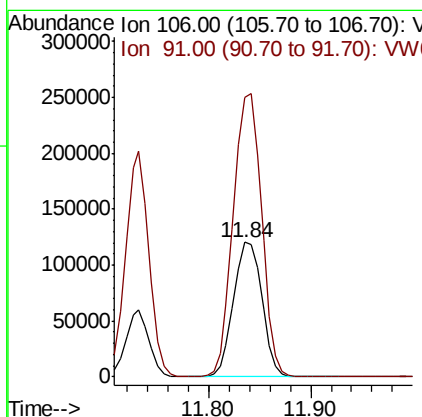
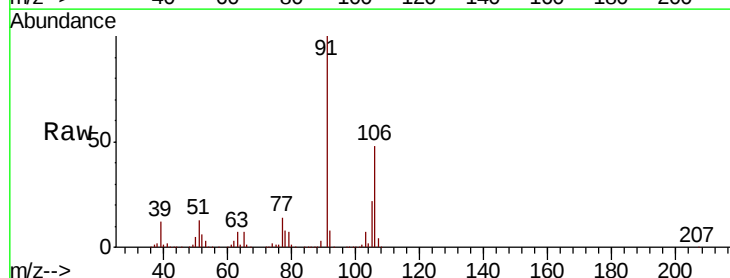
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

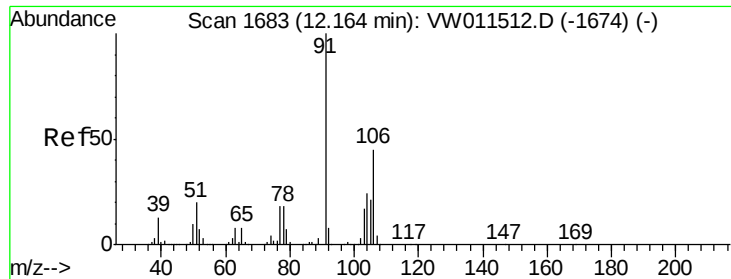
Tgt Ion: 91 Resp: 322365
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 40.832 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion: 106 Resp: 232327
Ion Ratio Lower Upper
106 100
91 209.9 168.2 252.2

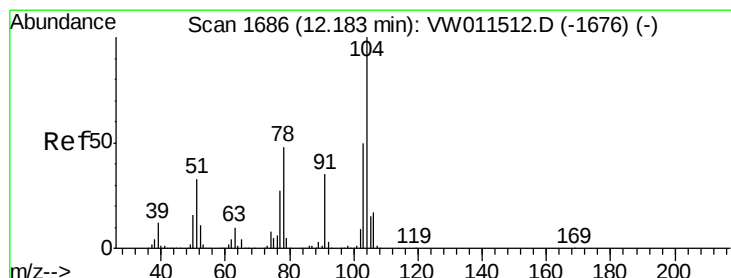
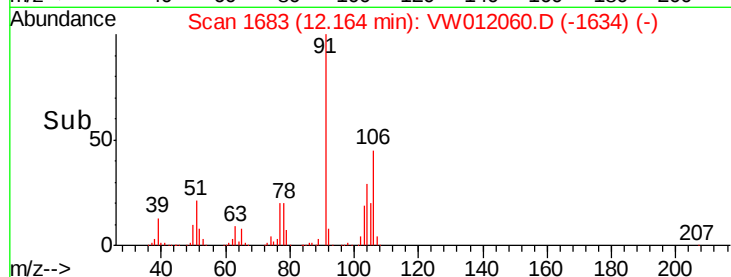
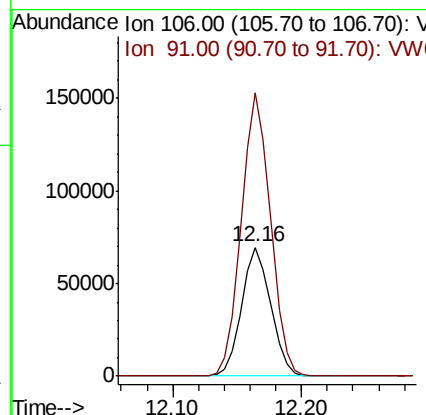
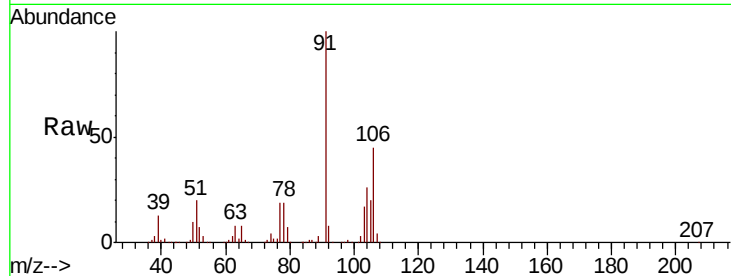




#69
o-Xylene
Concen: 20.549 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

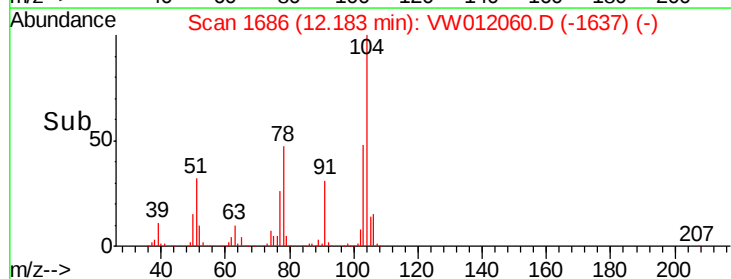
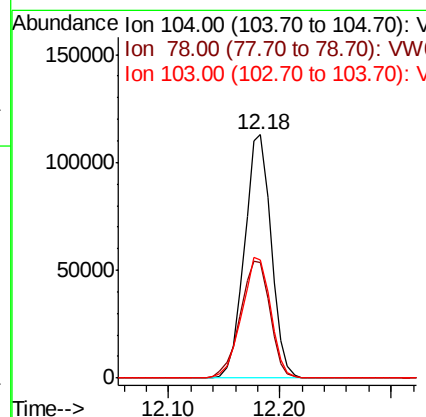
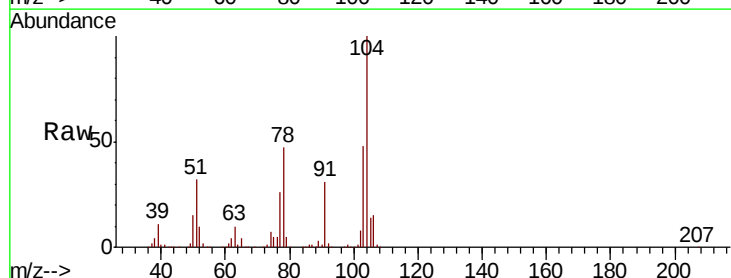
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

Tgt Ion:106 Resp: 108646
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.5



#70
Styrene
Concen: 20.545 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion:104 Resp: 187813
Ion Ratio Lower Upper
104 100
78 53.2 43.4 65.0
103 53.5 43.9 65.9





#71

Bromoform

Concen: 19.159 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

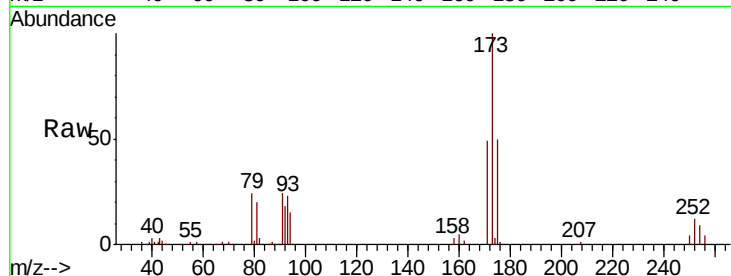
Tgt Ion:173 Resp: 27951

Ion Ratio Lower Upper

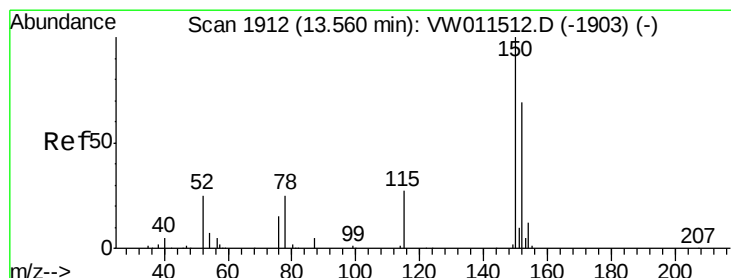
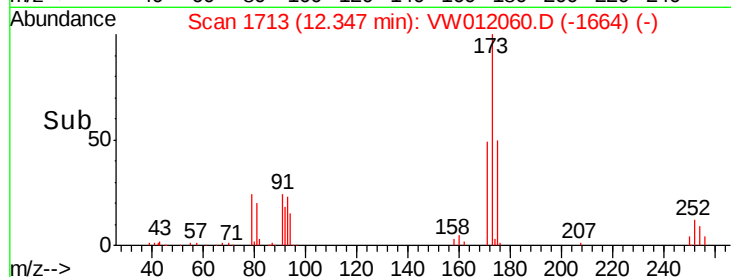
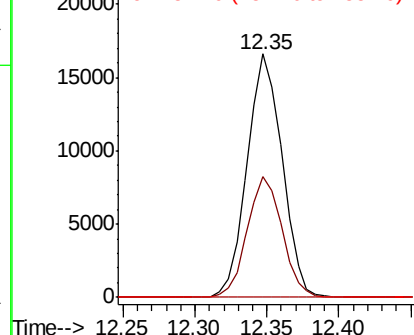
173 100

175 49.3 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: VW012060.D

Acq: 21 Aug 2019 10:07

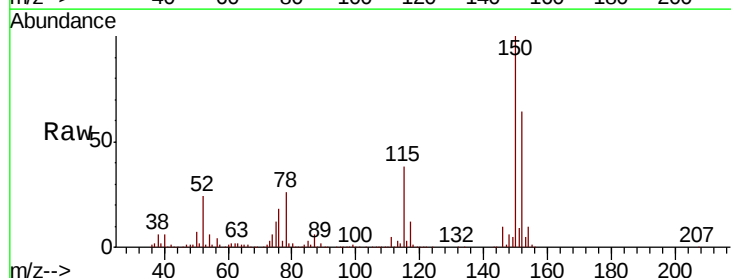
Tgt Ion:152 Resp: 199976

Ion Ratio Lower Upper

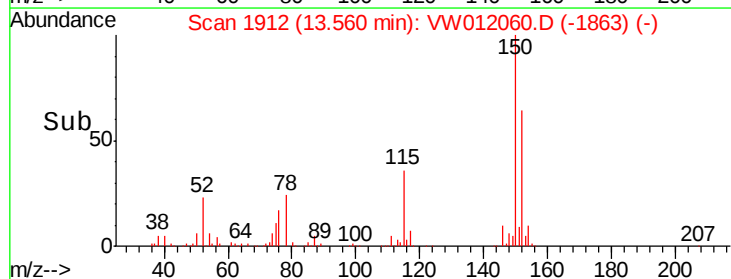
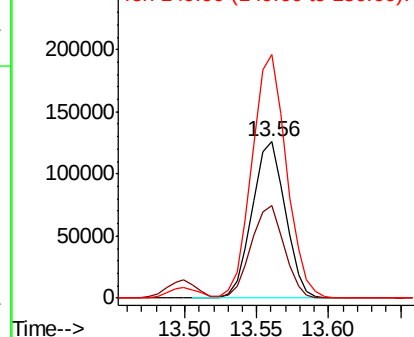
152 100

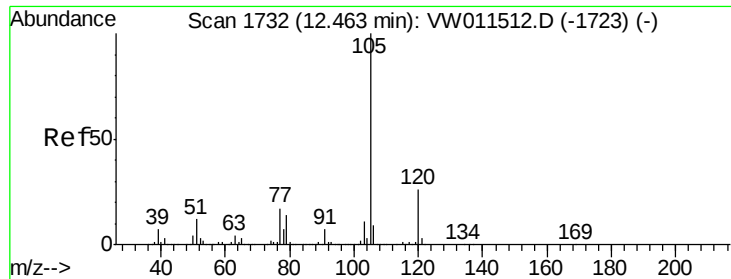
115 59.0 30.5 91.5

150 162.2 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: 20.500 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

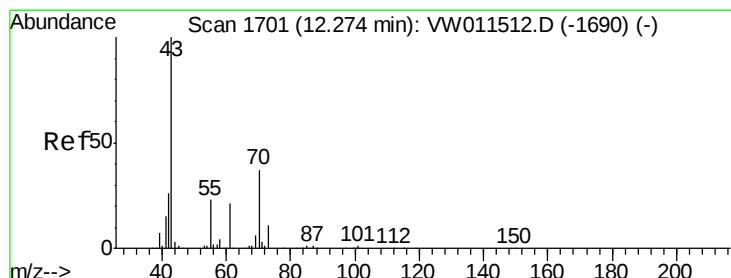
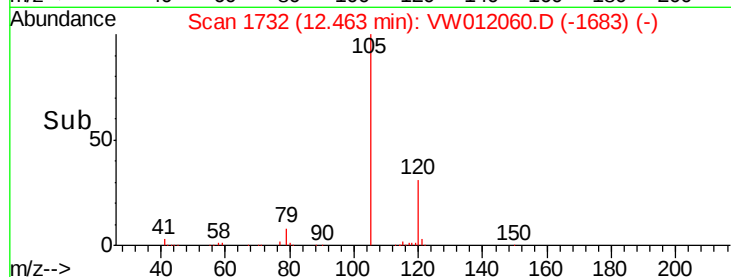
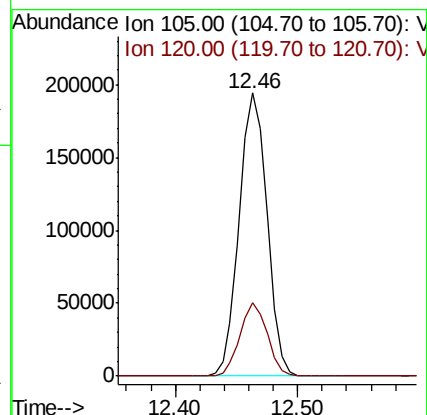
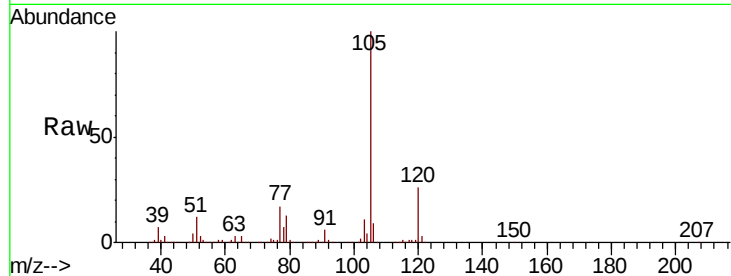
VW0821SBS01

Tgt Ion:105 Resp: 305826

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



#74

N-ethyl acetate

Concen: 20.233 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Tgt Ion: 43 Resp: 94504

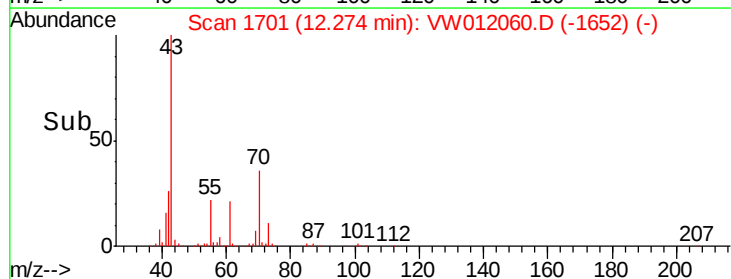
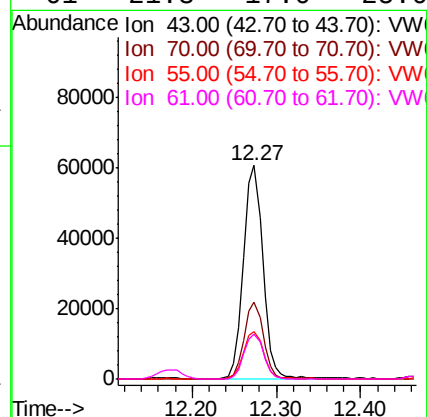
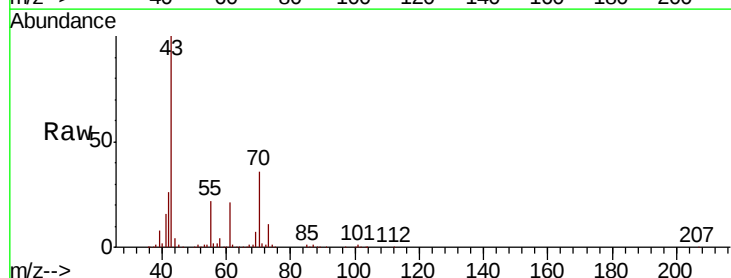
Ion Ratio Lower Upper

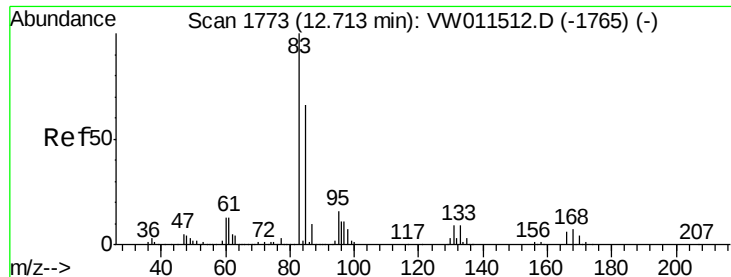
43 100

70 35.9 28.6 43.0

55 22.8 17.8 26.8

61 21.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.252 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

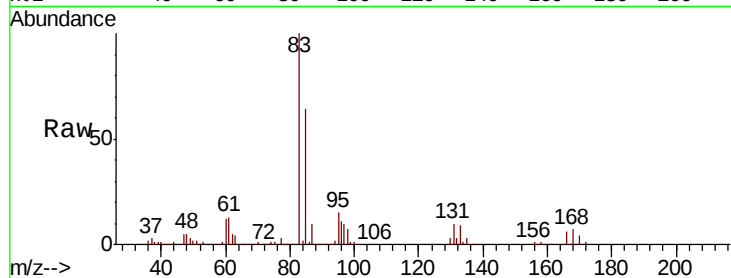
Tgt Ion: 83 Resp: 56830

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

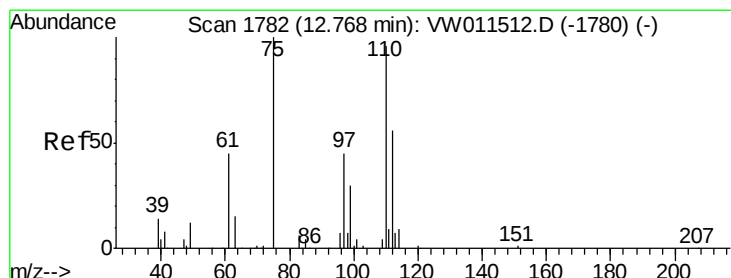
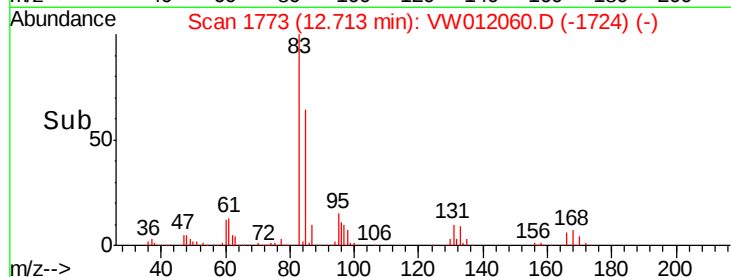
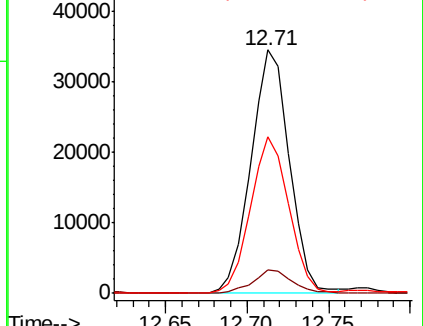
85 64.0 31.8 95.4



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: 34.882 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012060.D

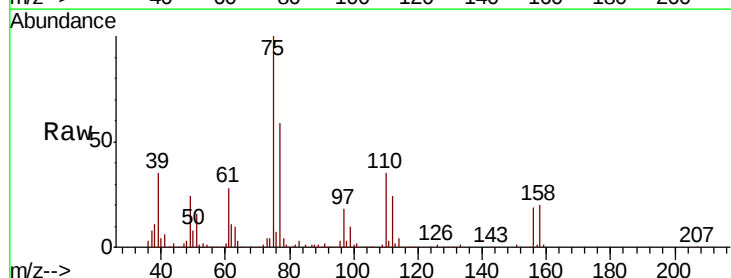
Acq: 21 Aug 2019 10:07

Tgt Ion: 75 Resp: 73809

Ion Ratio Lower Upper

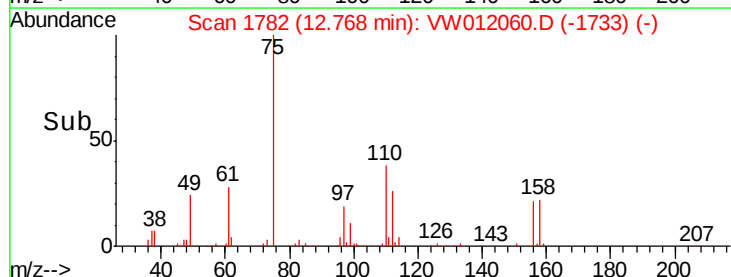
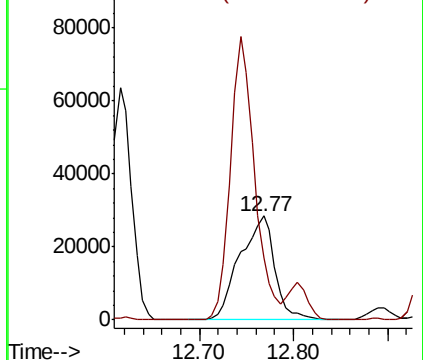
75 100

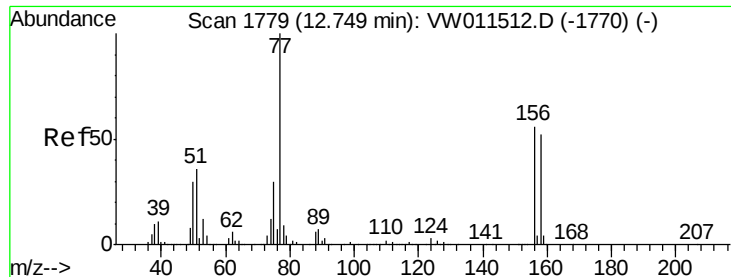
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.073 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

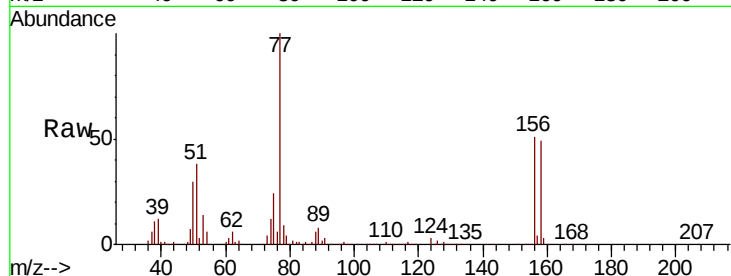
Tgt Ion:156 Resp: 66192

Ion Ratio Lower Upper

156 100

77 210.4 106.5 319.4

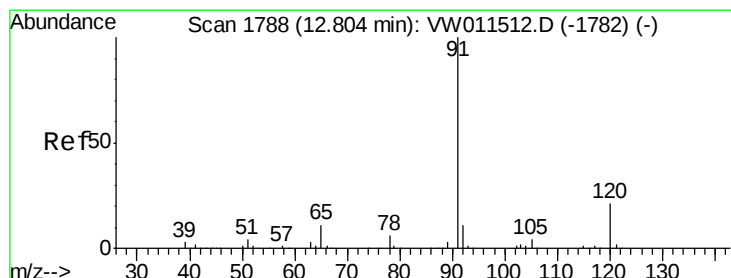
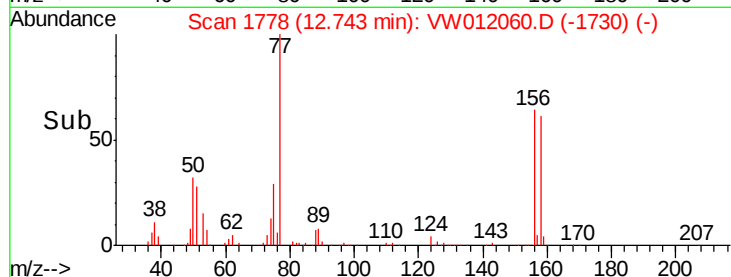
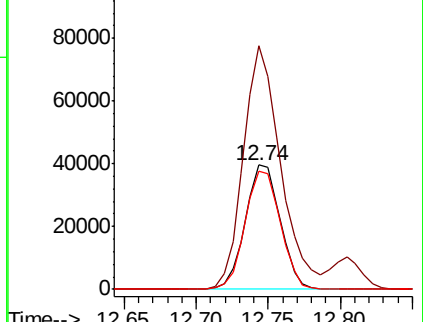
158 96.3 48.0 144.2



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: 20.688 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012060.D

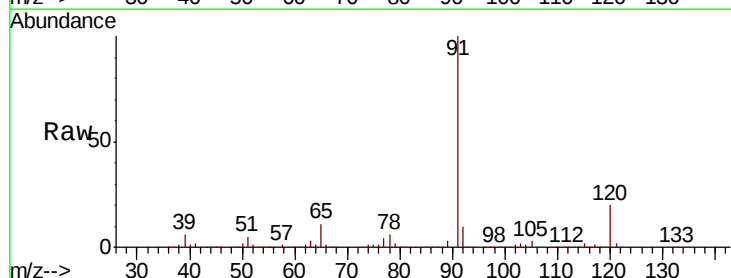
Acq: 21 Aug 2019 10:07

Tgt Ion: 91 Resp: 375613

Ion Ratio Lower Upper

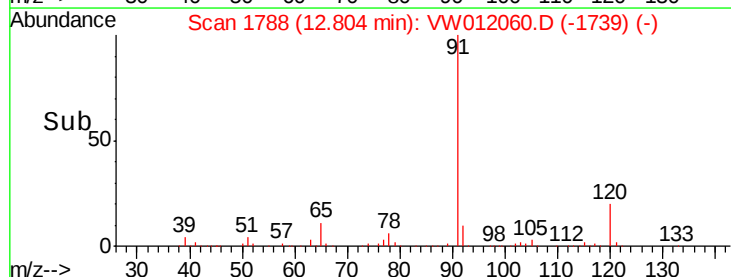
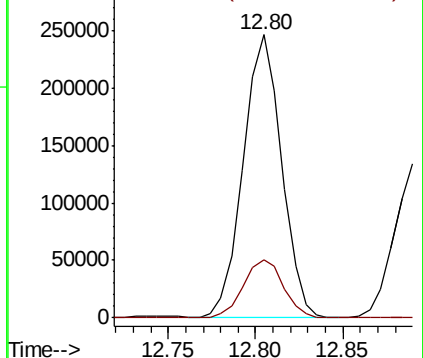
91 100

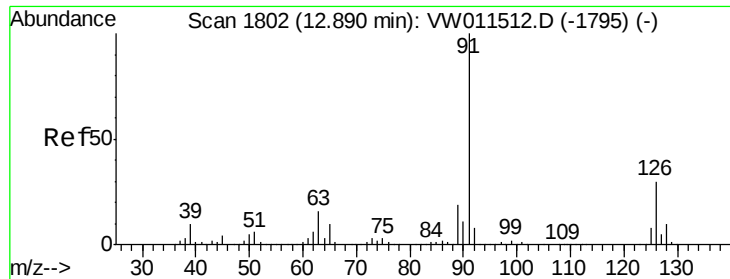
120 21.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.265 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

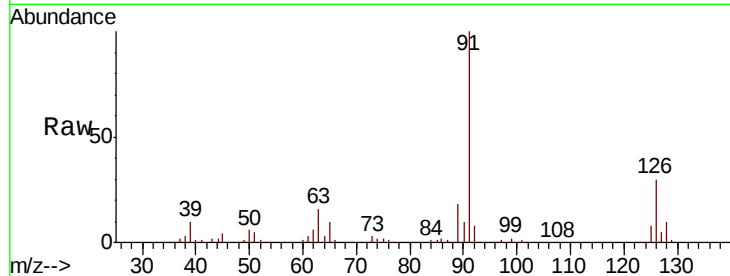
VW0821SBS01

Tgt Ion: 91 Resp: 211971

Ion Ratio Lower Upper

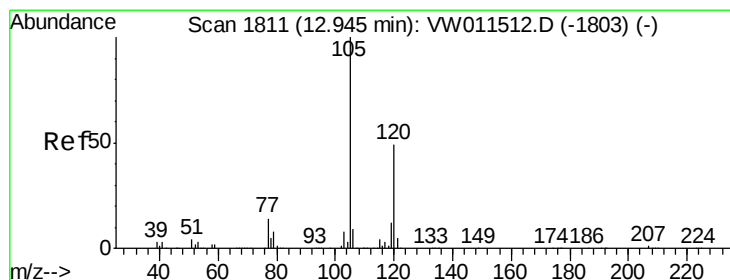
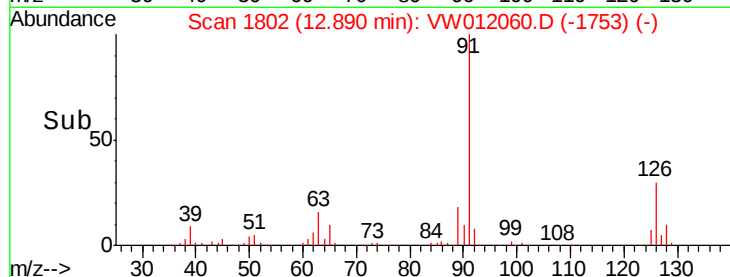
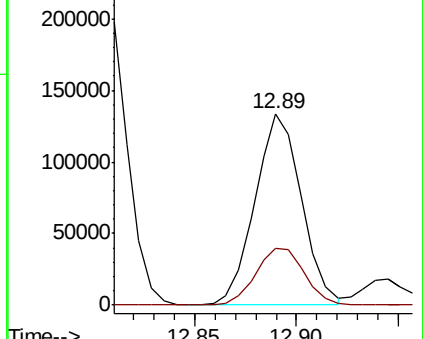
91 100

126 31.1 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.526 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012060.D

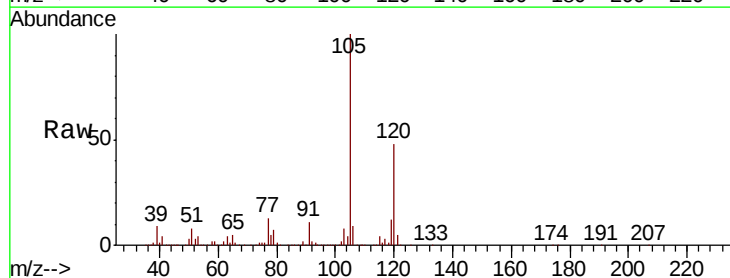
Acq: 21 Aug 2019 10:07

Tgt Ion: 105 Resp: 256684

Ion Ratio Lower Upper

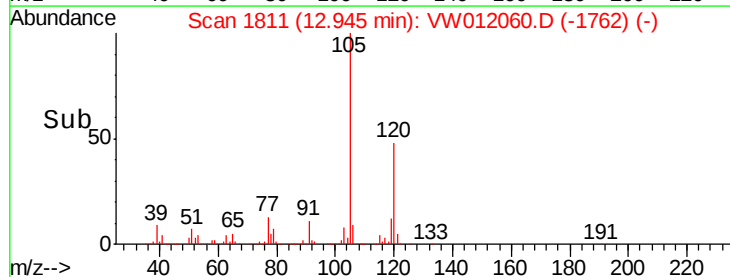
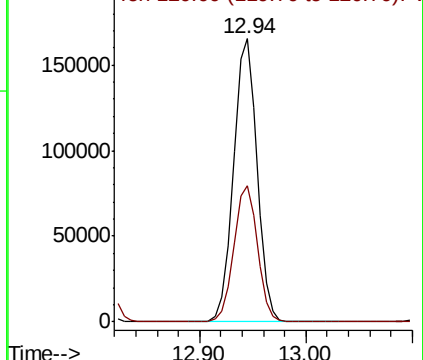
105 100

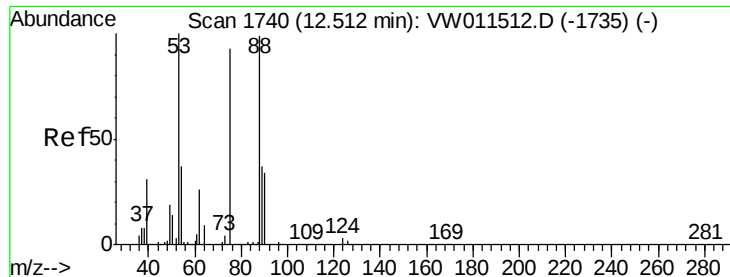
120 48.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.687 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

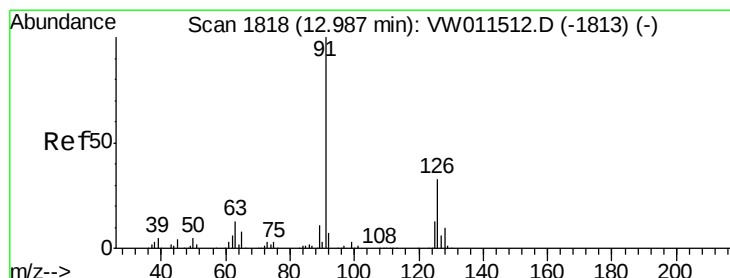
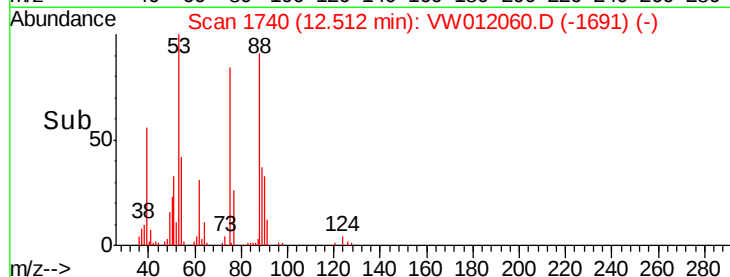
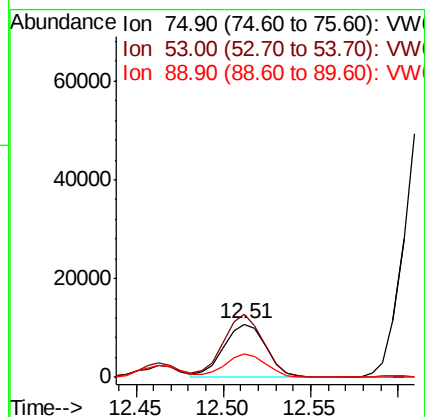
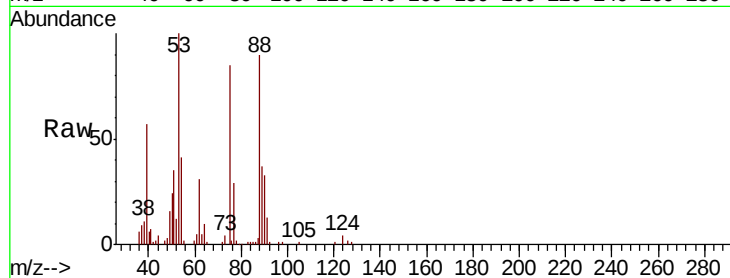
Tgt Ion: 75 Resp: 18075

Ion Ratio Lower Upper

75 100

53 113.1 88.0 132.0

89 42.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.027 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012060.D

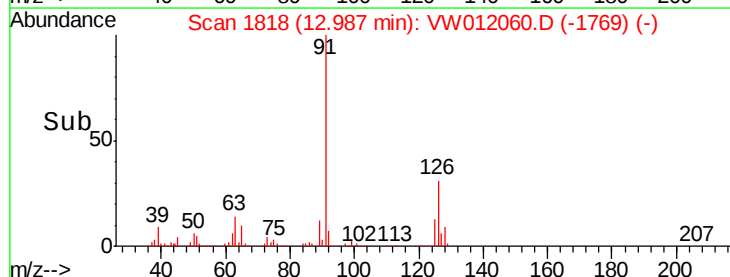
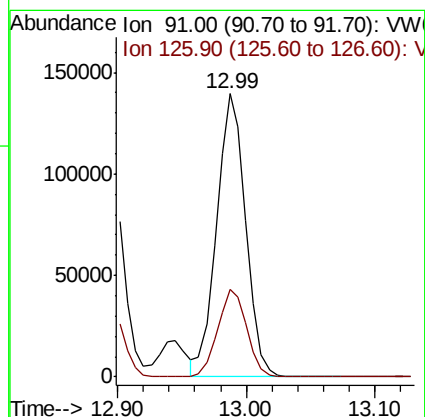
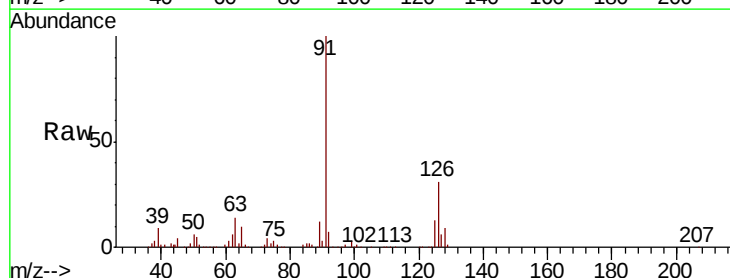
Acq: 21 Aug 2019 10:07

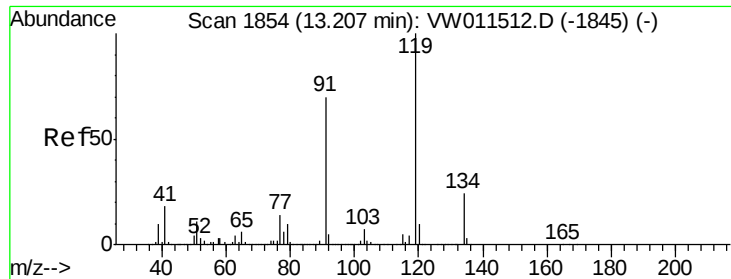
Tgt Ion: 91 Resp: 219783

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.8

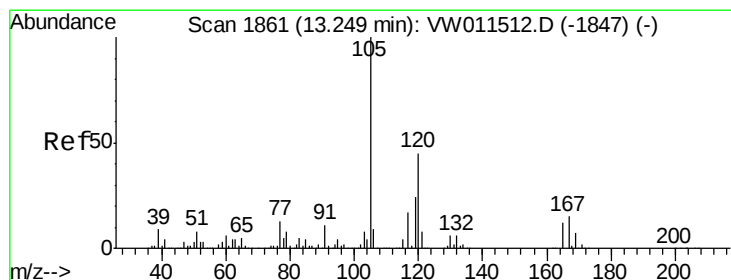
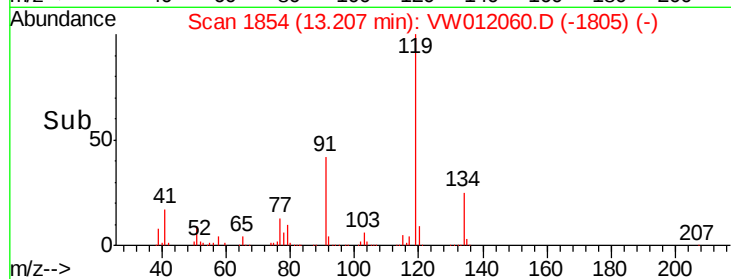
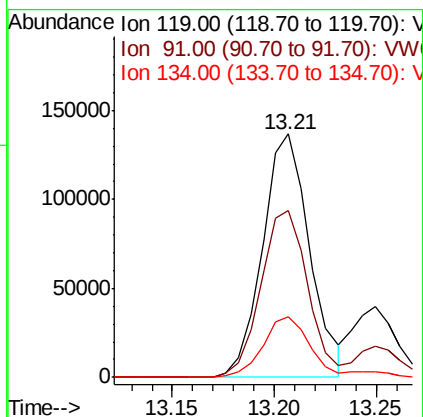
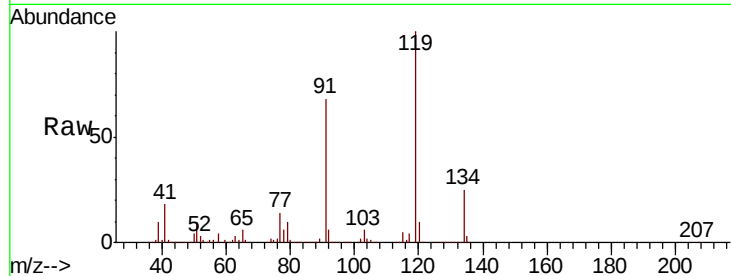




#83
 tert-Butylbenzene
 Concen: 21.005 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

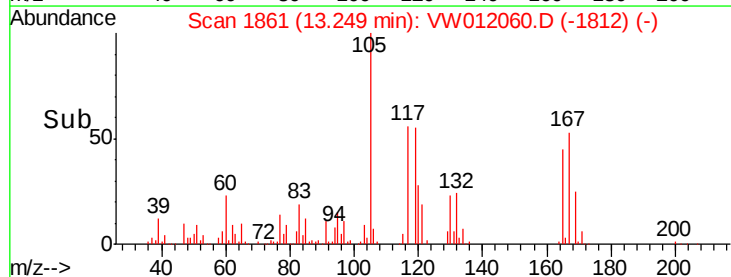
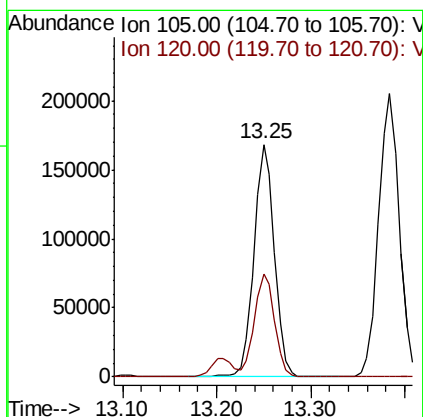
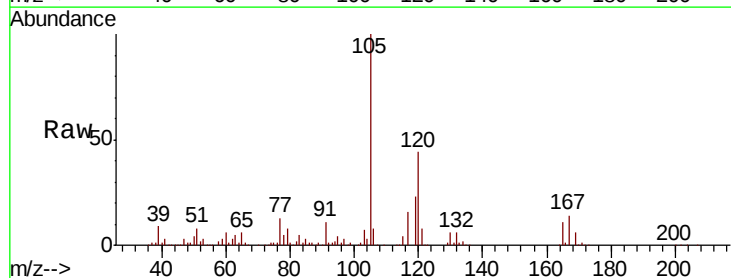
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

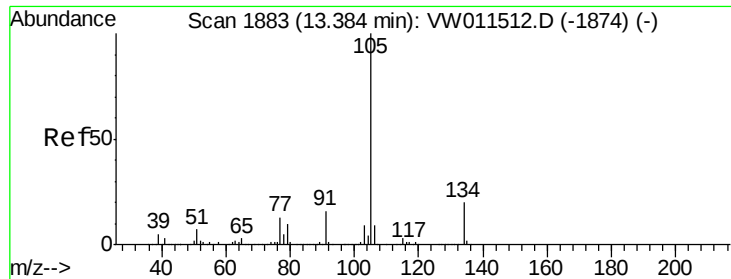
Tgt Ion:119 Resp: 219661
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.5 103.6
 134 24.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.480 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion:105 Resp: 257995
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.923 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

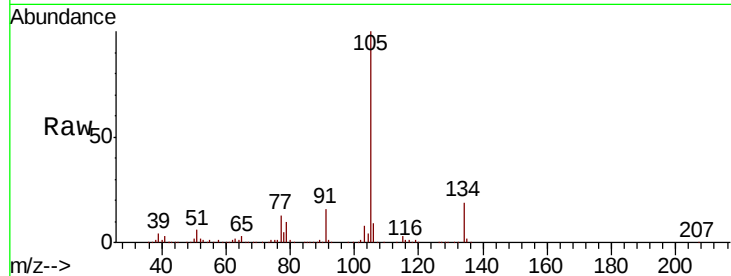
VW0821SBS01

Tgt Ion:105 Resp: 312211

Ion Ratio Lower Upper

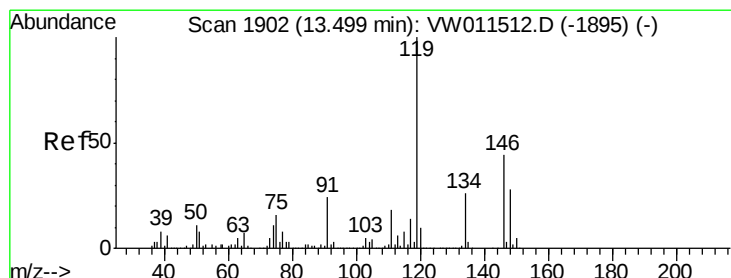
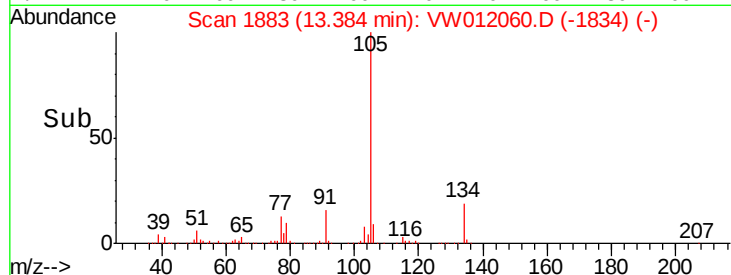
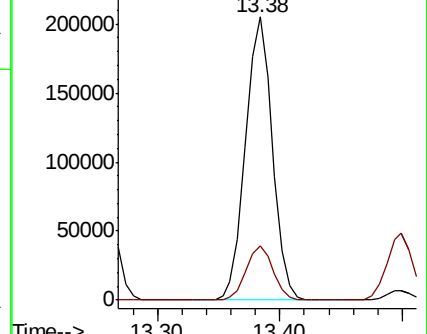
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.652 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

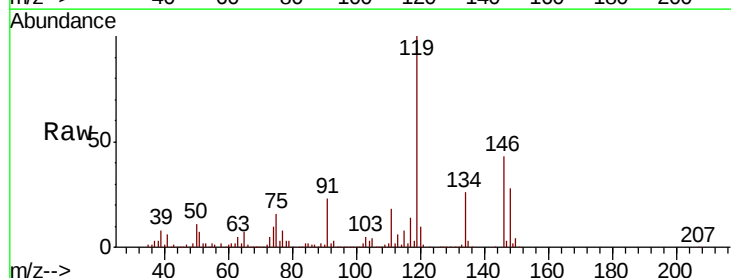
Tgt Ion:119 Resp: 279609

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

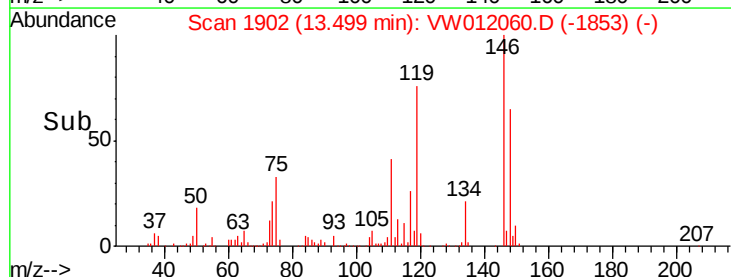
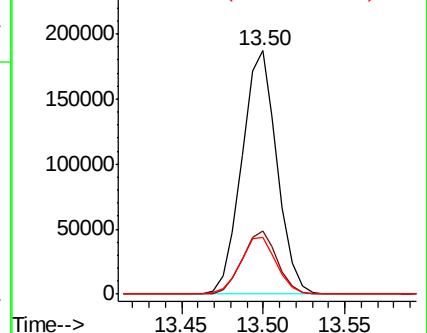
91 23.7 12.1 36.3

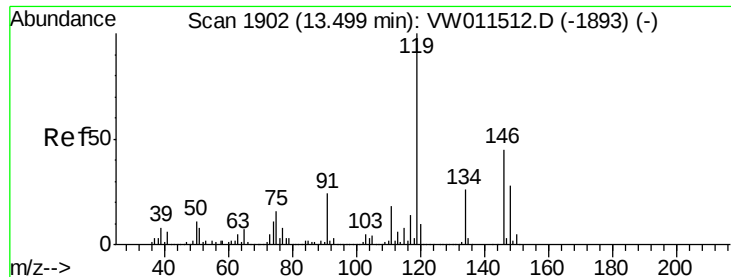


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

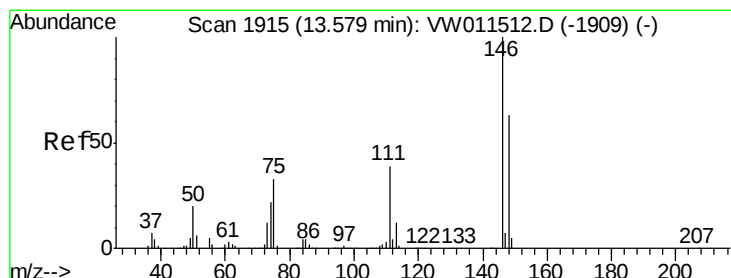
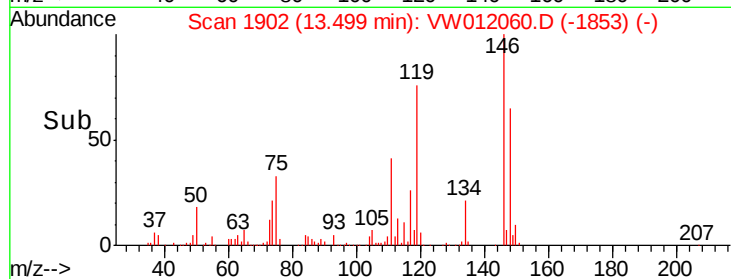
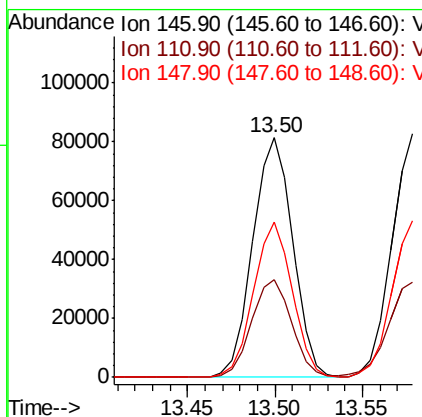
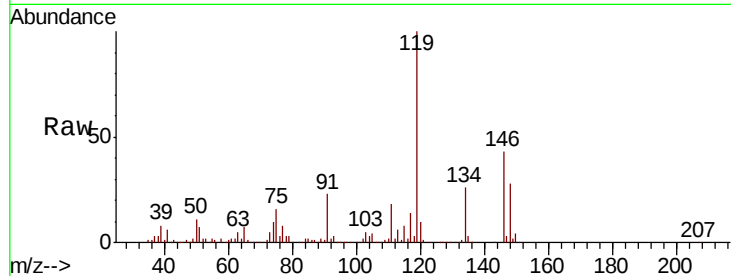




#87
 1,3-Dichlorobenzene
 Concen: 20.008 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

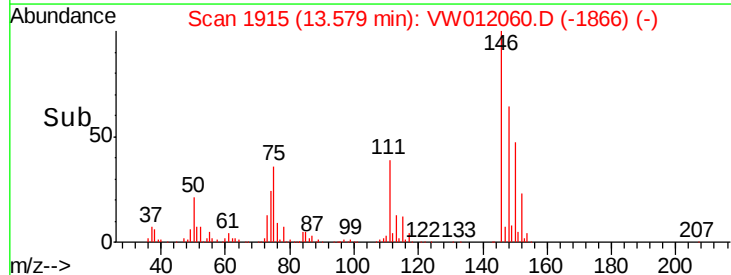
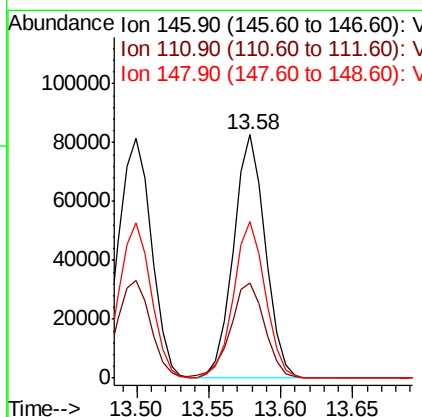
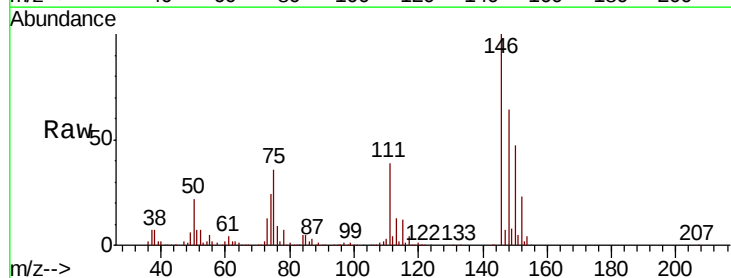
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

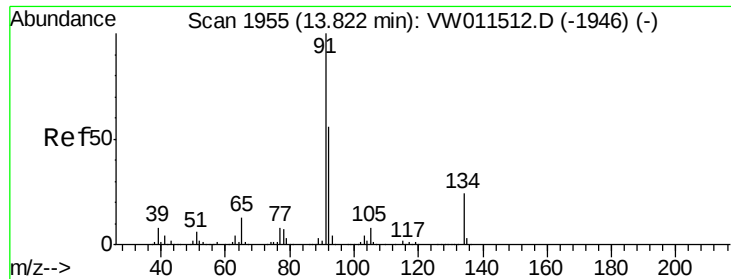
Tgt Ion:146 Resp: 129367
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.6
 148 62.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.808 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion:146 Resp: 127400
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 20.831 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012060.D

Acq: 21 Aug 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBS01

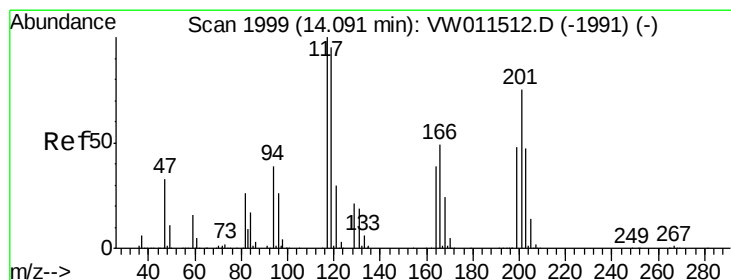
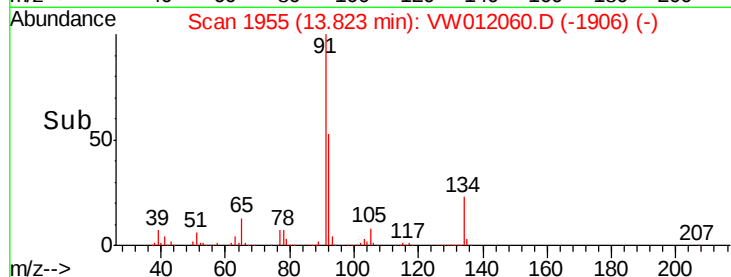
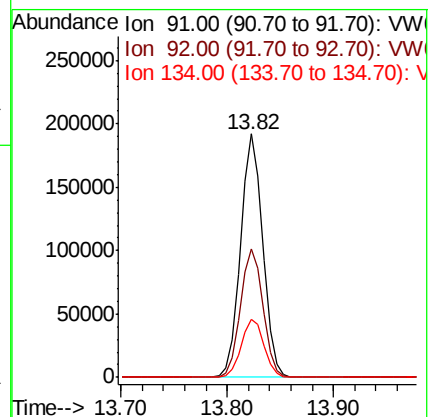
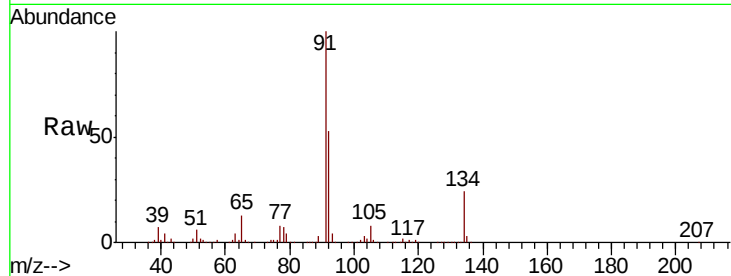
Tgt Ion: 91 Resp: 281453

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 19.833 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012060.D

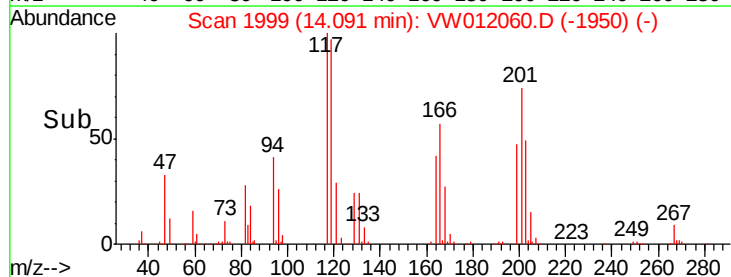
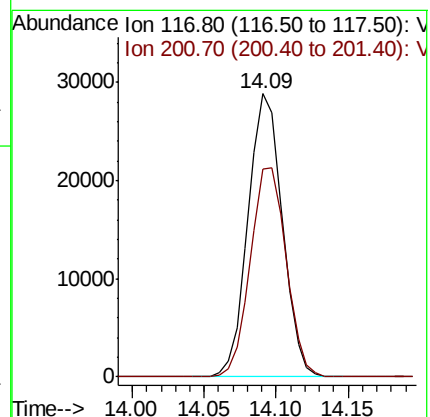
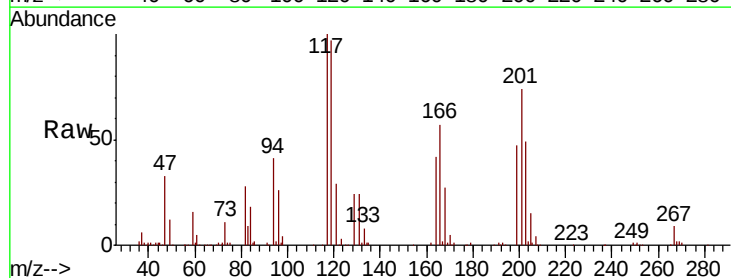
Acq: 21 Aug 2019 10:07

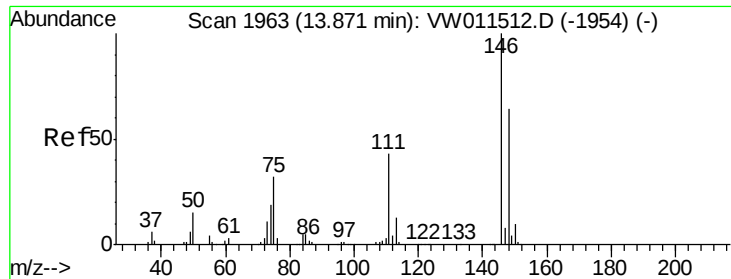
Tgt Ion: 117 Resp: 47481

Ion Ratio Lower Upper

117 100

201 77.4 39.4 118.2

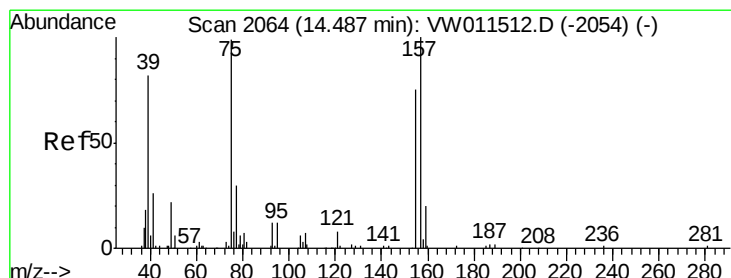
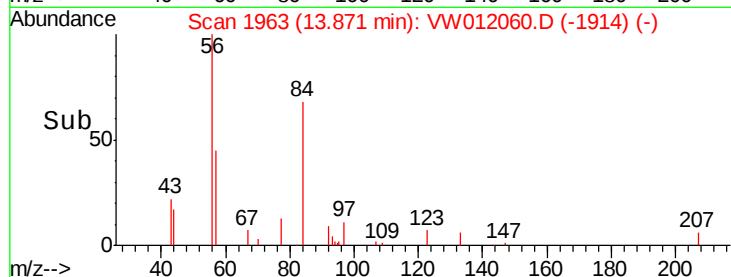
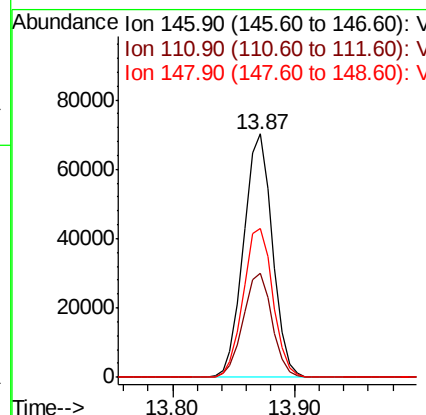
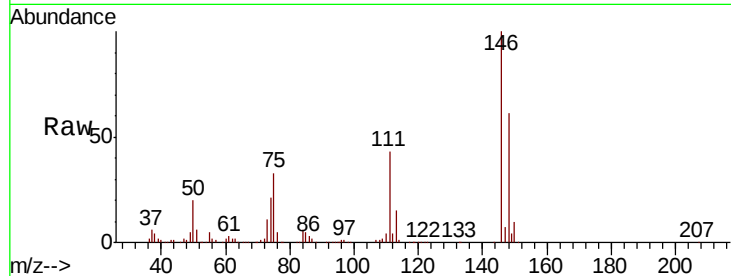




#91
 1,2-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

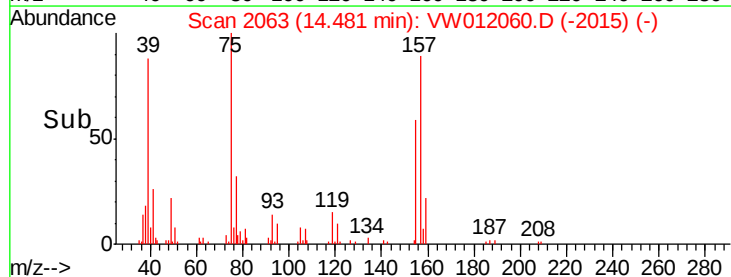
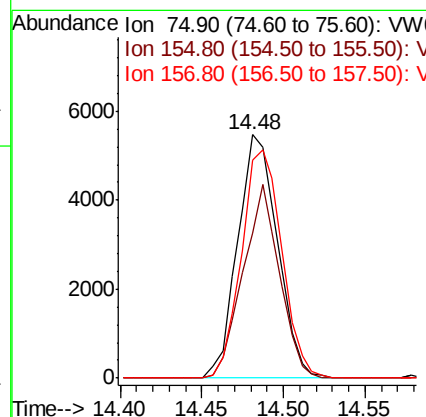
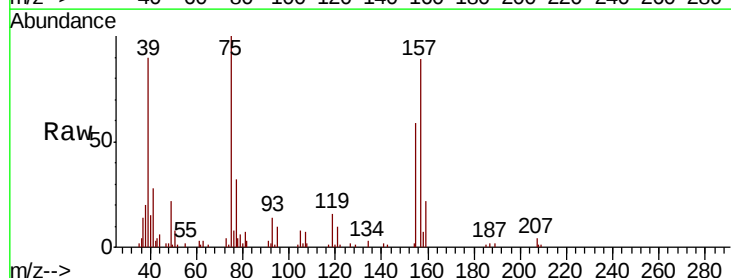
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

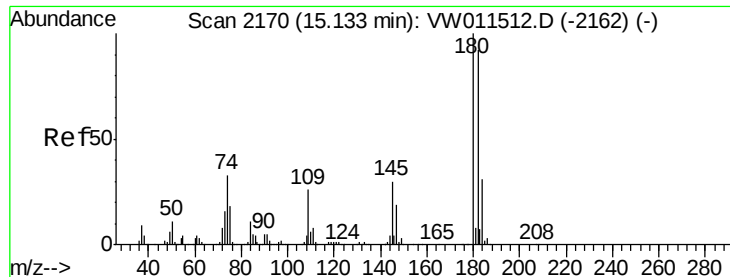
Tgt Ion:146 Resp: 114528
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 65.0
 148 62.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.470 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion: 75 Resp: 9317
 Ion Ratio Lower Upper
 75 100
 155 72.4 38.2 114.6
 157 94.9 48.9 146.7

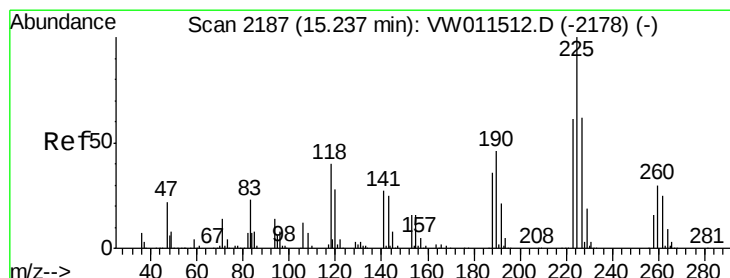
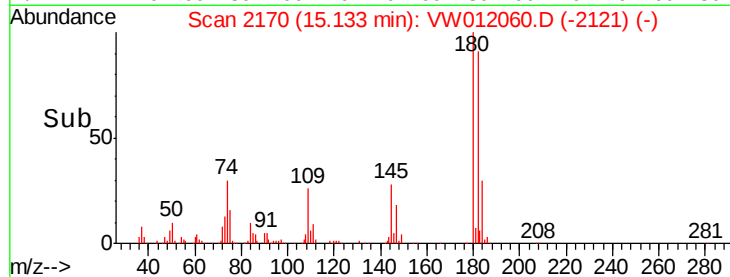
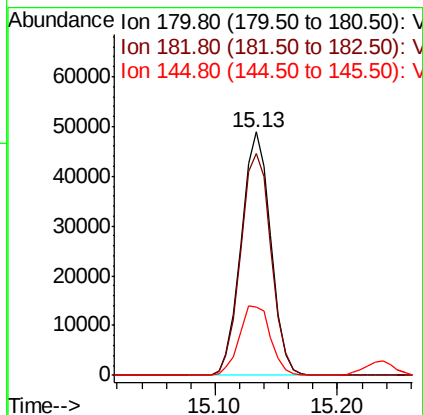
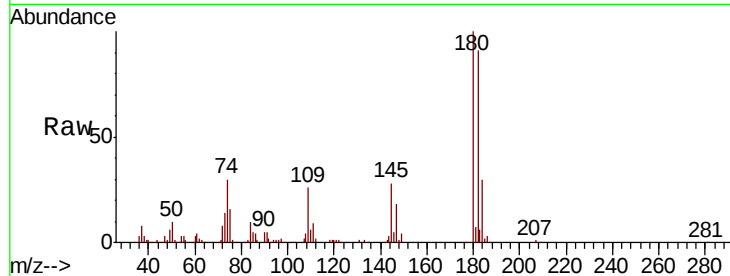




#93
 1,2,4-Trichlorobenzene
 Concen: 20.259 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

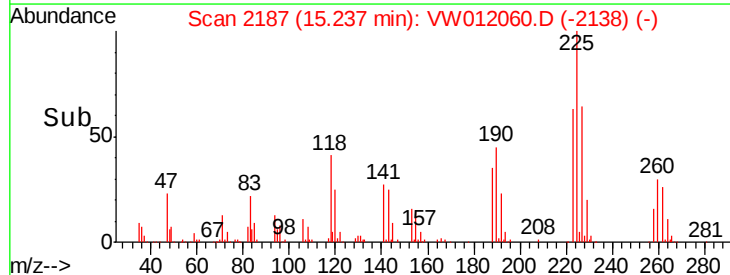
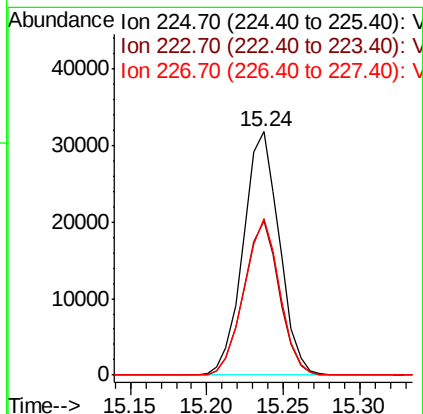
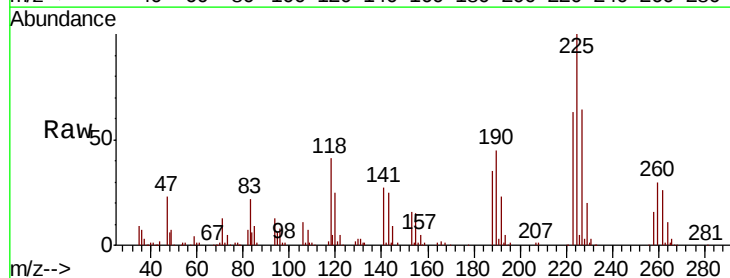
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

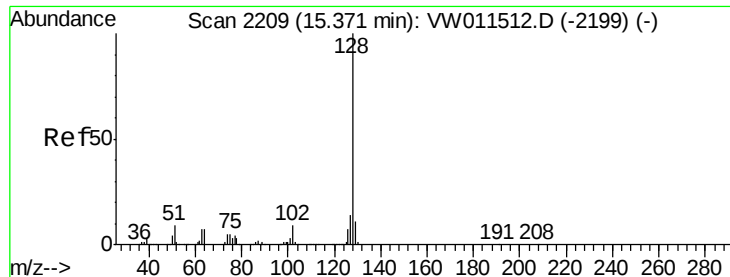
Tgt Ion:180 Resp: 81651
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.4 142.2
 145 30.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 20.697 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012060.D
 Acq: 21 Aug 2019 10:07

Tgt Ion:225 Resp: 52019
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.8 92.3
 227 63.4 31.6 94.7

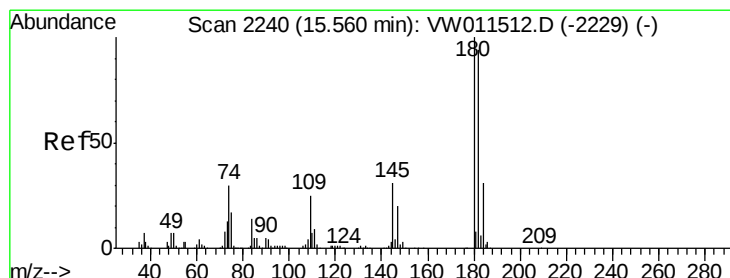
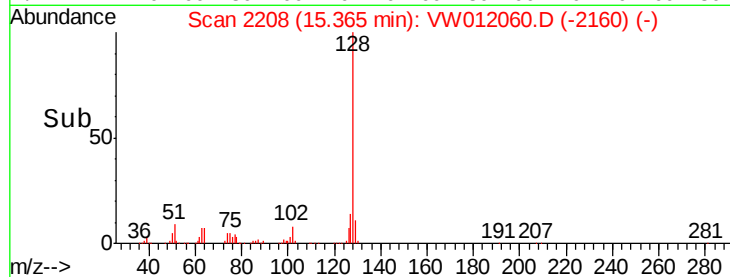
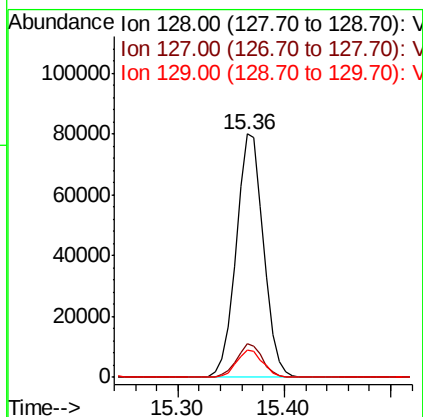
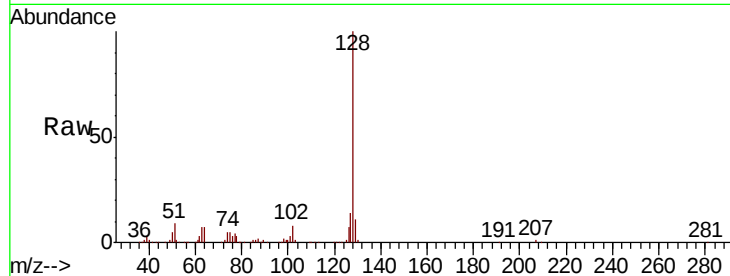




#95
Naphthalene
Concen: 19.586 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBS01

Tgt Ion:128 Resp: 144280
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.960 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012060.D
Acq: 21 Aug 2019 10:07

Tgt Ion:180 Resp: 70515
Ion Ratio Lower Upper
180 100
182 95.5 47.4 142.2
145 32.0 15.9 47.7

