

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011200.D
 Acq On : 10 Jul 2019 20:29
 Operator : SY/VA
 Sample : VW0711SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Quant Time: Jul 11 08:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136748	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.88	113	107013	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	430811	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.62	95	158073	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31850	20.554	ug/l	95
3) Chloromethane	2.21	50	42488	21.279	ug/l	97
4) Vinyl Chloride	2.35	62	54465	20.841	ug/l	97
5) Bromomethane	2.76	94	27574	20.997	ug/l	97
6) Chloroethane	2.91	64	28909	20.537	ug/l	99
7) Trichlorofluoromethane	3.24	101	16033	17.269	ug/l	94
8) Diethyl Ether	3.68	74	28009	21.804	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46001	20.686	ug/l	99
10) Methyl Iodide	4.27	142	63765	20.848	ug/l	100
11) Tert butyl alcohol	5.17	59	18670	96.591	ug/l	98
12) 1,1-Dichloroethene	4.03	96	47873	20.741	ug/l	94
13) Acrolein	3.89	56	12605	81.896	ug/l	97
14) Allyl chloride	4.65	41	82452	19.590	ug/l	99
15) Acrylonitrile	5.36	53	69551	106.310	ug/l	99
16) Acetone	4.12	43	61365	97.689	ug/l	99
17) Carbon Disulfide	4.38	76	131693	18.820	ug/l	99
18) Methyl Acetate	4.66	43	49409	25.151	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	76034	21.711	ug/l	99
20) Methylene Chloride	4.91	84	57535	23.218	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	50167	20.917	ug/l	95
22) Diisopropyl ether	6.31	45	201208	22.226	ug/l	99
23) Vinyl Acetate	6.25	43	559897	99.938	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104064	21.891	ug/l	99
25) 2-Butanone	7.17	43	100974	102.402	ug/l	99
26) 2,2-Dichloropropane	7.16	77	46719	18.907	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56059	21.668	ug/l	98
28) Bromochloromethane	7.51	49	45301	20.958	ug/l #	99
29) Tetrahydrofuran	7.52	42	68238	105.539	ug/l	99
30) Chloroform	7.67	83	95979	21.802	ug/l	99
31) Cyclohexane	7.95	56	100781	19.928	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	68868	20.565	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74605	20.420	ug/l	99
37) Ethyl Acetate	7.25	43	46530	21.197	ug/l	99
38) Carbon Tetrachloride	8.06	117	62083	20.045	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89199	20.143	ug/l	99
40) Benzene	8.32	78	217292	21.520	ug/l	96
41) Methacrylonitrile	7.48	41	28170	22.437	ug/l	92
42) 1,2-Dichloroethane	8.40	62	72572	22.156	ug/l	100
43) Isopropyl Acetate	8.42	43	85992	20.749	ug/l	98
44) Trichloroethene	9.09	130	51660	21.261	ug/l	95
45) 1,2-Dichloropropane	9.37	63	59651	21.816	ug/l	100
46) Dibromomethane	9.46	93	27961	21.769	ug/l	99
47) Bromodichloromethane	9.64	83	70503	21.453	ug/l	99
48) Methyl methacrylate	9.43	41	41731	20.930	ug/l	97
49) 1,4-Dioxane	9.45	88	8938	416.901	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	231089	106.741	ug/l	98
52) Toluene	10.38	92	132434	21.622	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69637	19.907	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	83279	20.226	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	39186	21.505	ug/l	98
56) Ethyl methacrylate	10.65	69	58040	20.922	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75651	21.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144743	112.544	ug/l	100
59) 2-Hexanone	10.97	43	155582	103.625	ug/l	99
60) Dibromochloromethane	11.13	129	42253	21.147	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37052	21.467	ug/l	100
64) Tetrachloroethene	10.86	164	46168	22.121	ug/l	96
65) Chlorobenzene	11.66	112	133871	21.288	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	46475	20.990	ug/l	100
67) Ethyl Benzene	11.73	91	253624	21.068	ug/l	99
68) m/p-Xylenes	11.84	106	185506	42.587	ug/l	99
69) o-Xylene	12.16	106	86765	21.134	ug/l	99
70) Styrene	12.18	104	151459	21.376	ug/l	100
71) Bromoform	12.35	173	22495	19.108	ug/l #	100
73) Isopropylbenzene	12.46	105	235242	20.511	ug/l	100
74) N-amyl acetate	12.27	43	80325	20.109	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49334	20.984	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61912	34.918	ug/l #	100
77) Bromobenzene	12.75	156	53440	20.762	ug/l	99
78) n-propylbenzene	12.80	91	290790	20.582	ug/l	100
79) 2-Chlorotoluene	12.89	91	171809	21.132	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	202872	20.821	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13635	17.394	ug/l	92
82) 4-Chlorotoluene	12.99	91	177294	20.937	ug/l	100
83) tert-Butylbenzene	13.21	119	167045	20.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	207650	21.224	ug/l	99
85) sec-Butylbenzene	13.38	105	241512	20.597	ug/l	100
86) p-Isopropyltoluene	13.50	119	216858	20.620	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106244	21.454	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	105795	21.215	ug/l	98
89) n-Butylbenzene	13.82	91	217481	20.729	ug/l	99
90) Hexachloroethane	14.10	117	37422	19.472	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	96359	21.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7861	18.850	ug/l	96

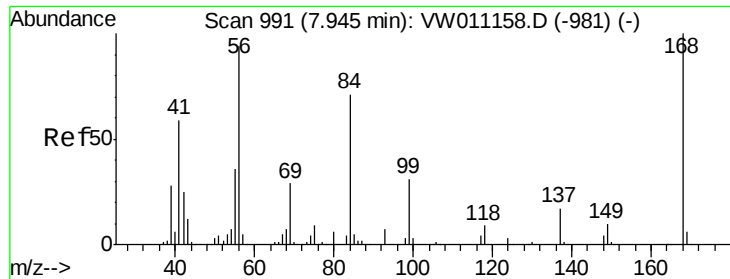
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	65154	21.055	ug/l	99
94) Hexachlorobutadiene	15.24	225	39550	20.818	ug/l	98
95) Naphthalene	15.37	128	123670	20.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59186	21.672	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

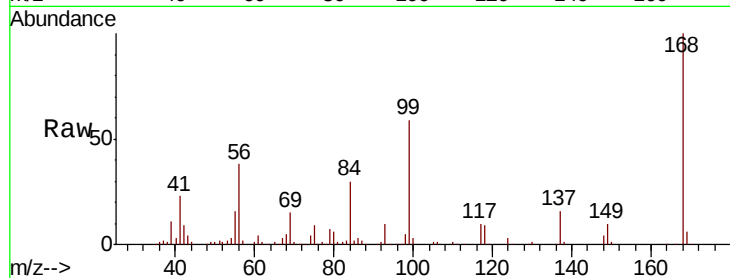
VW0711SBS01

Tot Ion:168 Resp: 207770

Ion Ratio Lower Upper

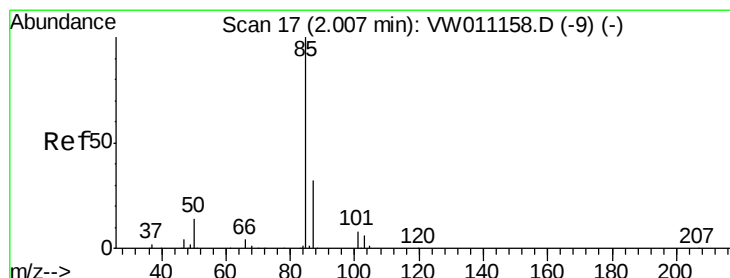
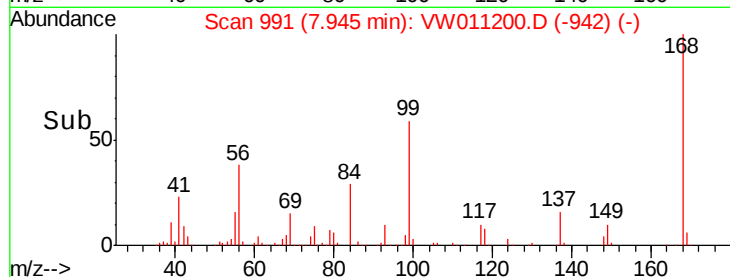
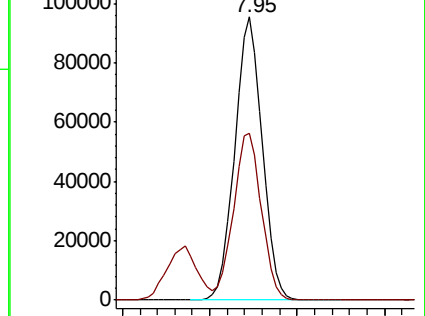
168 100

99 59.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.554 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011200.D

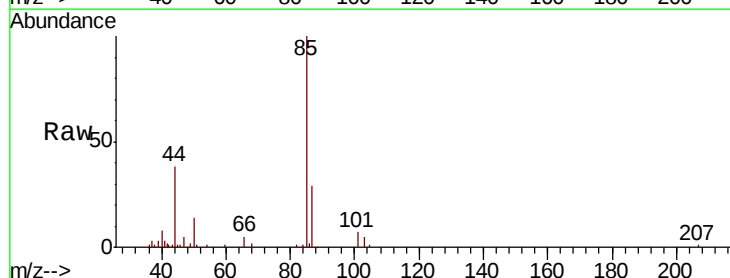
Acq: 10 Jul 2019 20:29

Tgt Ion: 85 Resp: 31850

Ion Ratio Lower Upper

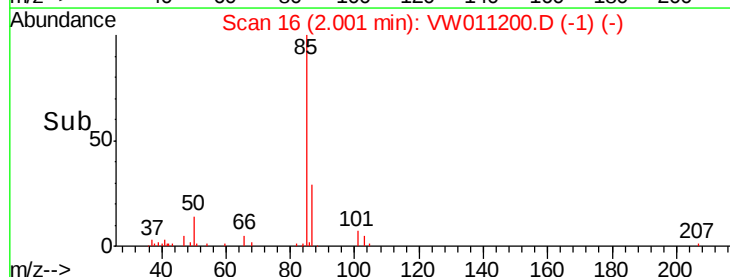
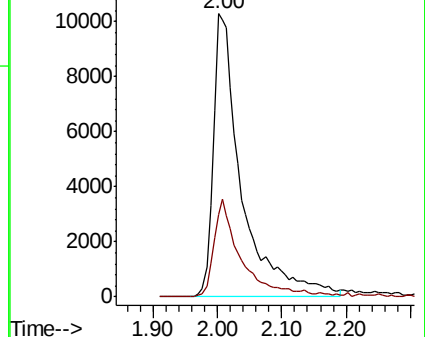
85 100

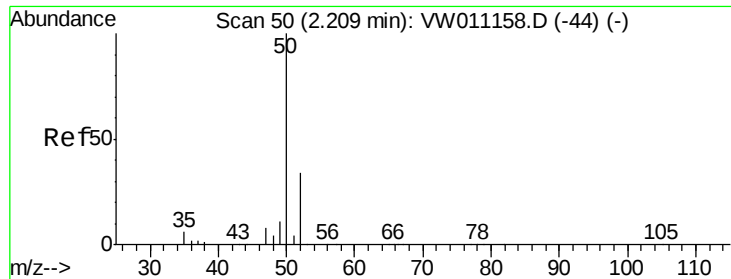
87 29.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.279 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

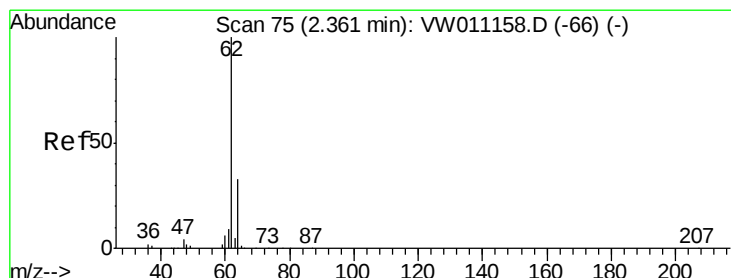
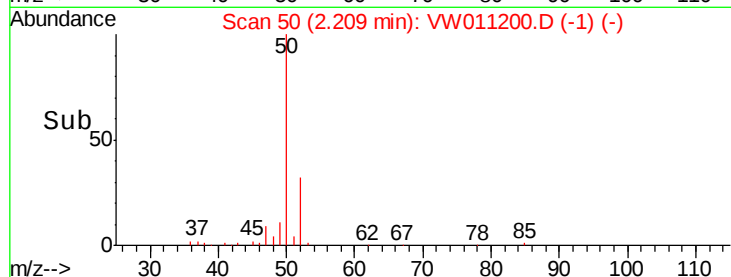
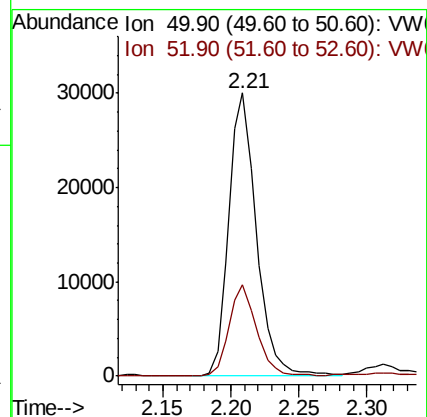
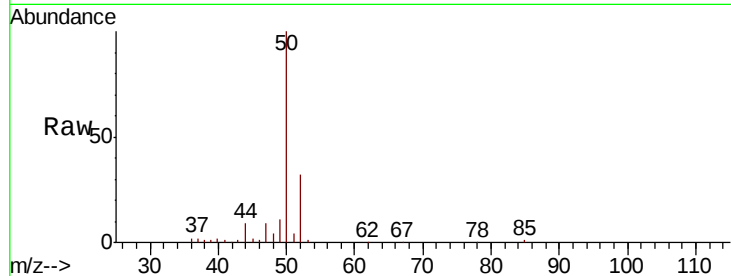
VW0711SBS01

Tot Ion: 50 Resp: 42488

Ion Ratio Lower Upper

50 100

52 32.0 26.9 40.3



#4

Vinyl Chloride

Concen: 20.841 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011200.D

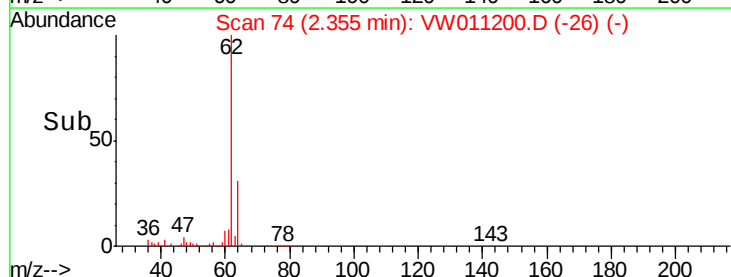
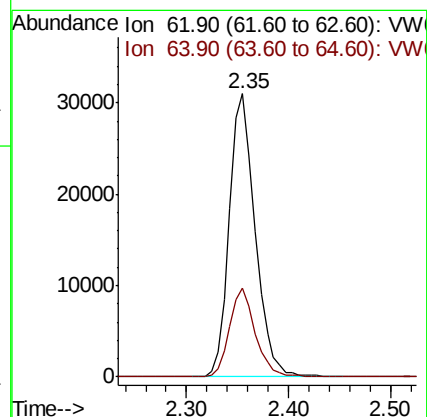
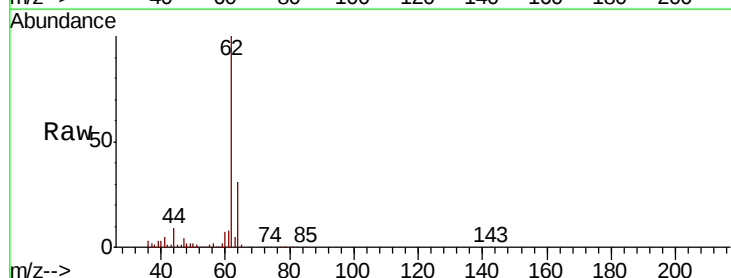
Acq: 10 Jul 2019 20:29

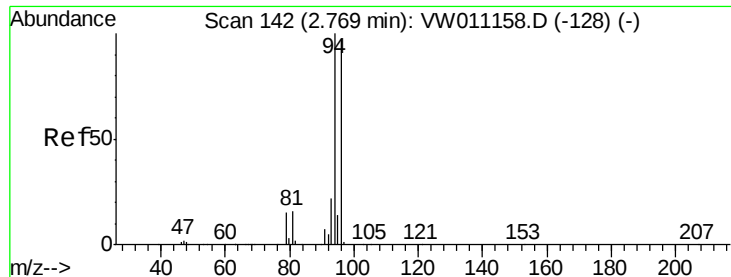
Tgt Ion: 62 Resp: 54465

Ion Ratio Lower Upper

62 100

64 31.5 26.6 40.0





#5

Bromomethane

Concen: 20.997 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

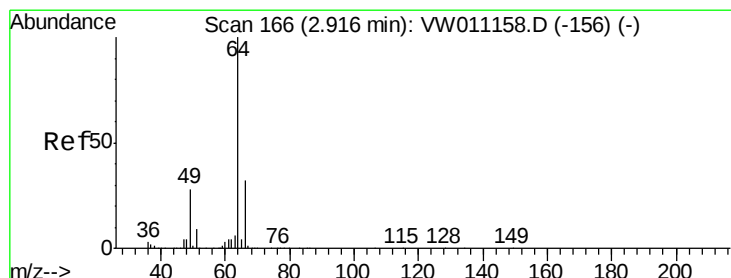
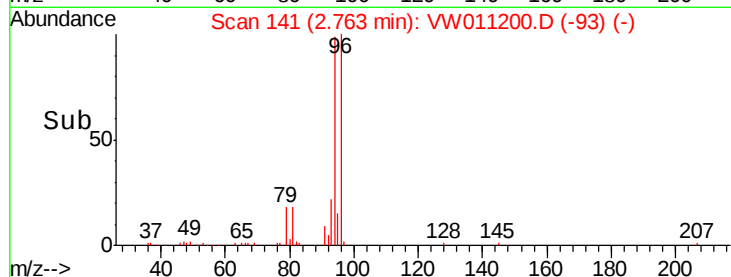
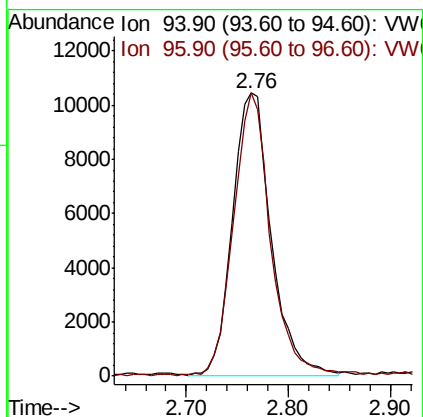
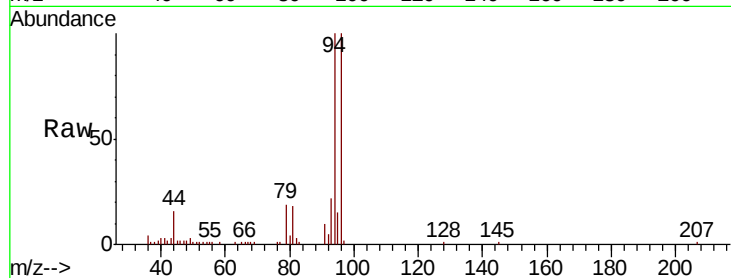
VW0711SBS01

Tot Ion: 94 Resp: 27574

Ion Ratio Lower Upper

94 100

96 99.6 77.4 116.0



#6

Chloroethane

Concen: 20.537 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011200.D

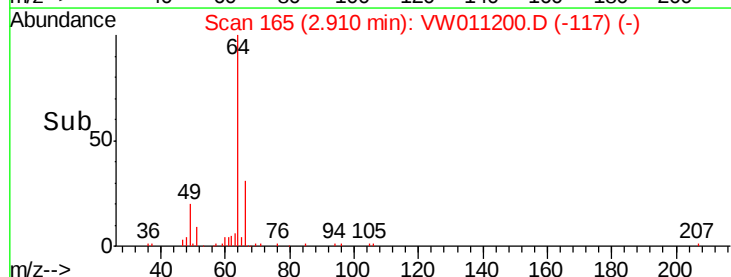
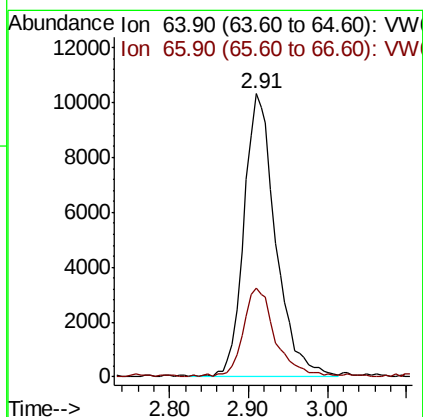
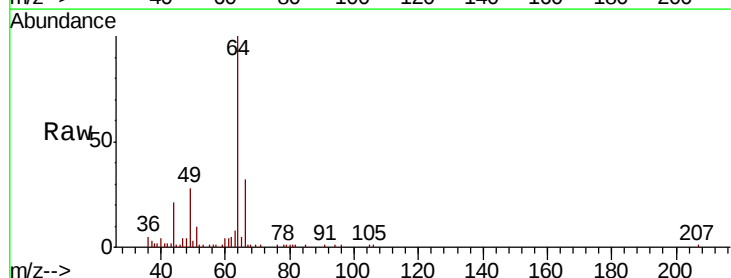
Acq: 10 Jul 2019 20:29

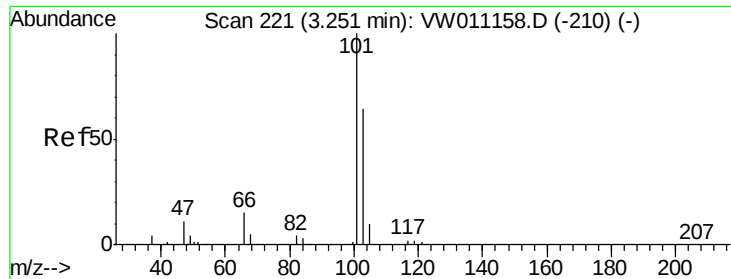
Tgt Ion: 64 Resp: 28909

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8



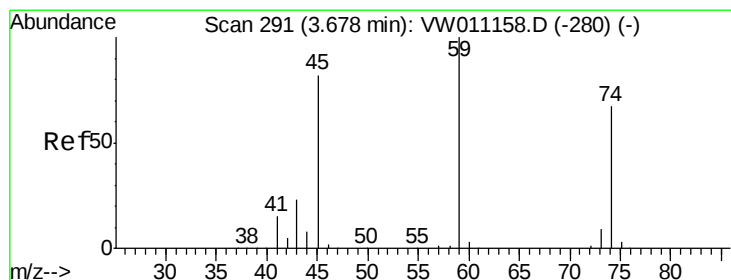
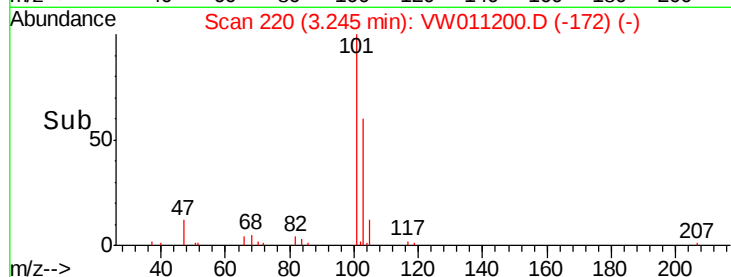
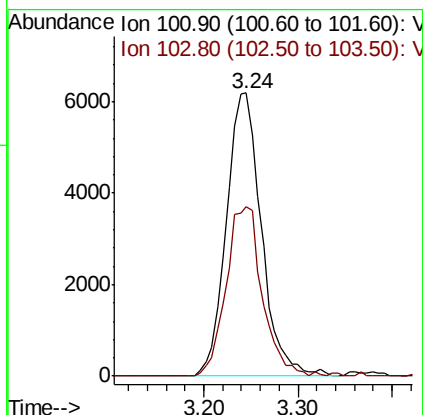
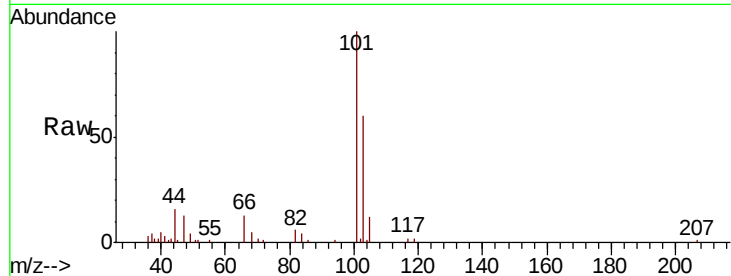


#7

Trichlorofluoromethane
 Concen: 17.269 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

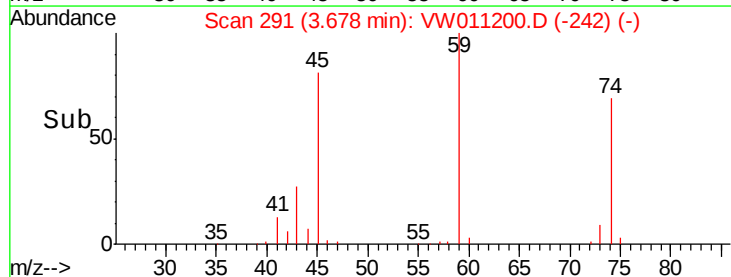
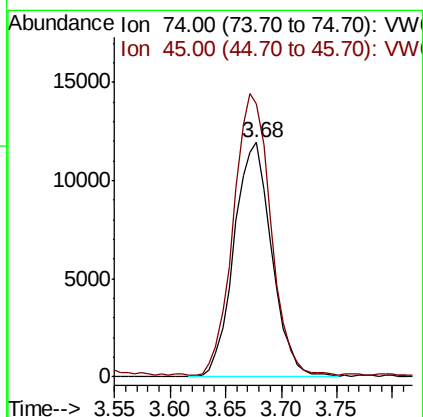
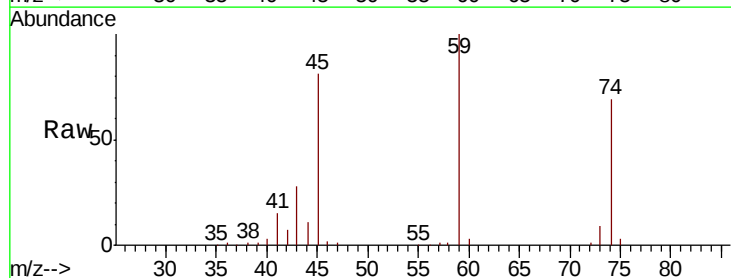
Tot Ion:101 Resp: 16033
 Ion Ratio Lower Upper
 101 100
 103 59.8 51.3 76.9



#8

Diethyl Ether
 Concen: 21.804 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 74 Resp: 28009
 Ion Ratio Lower Upper
 74 100
 45 119.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.686 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

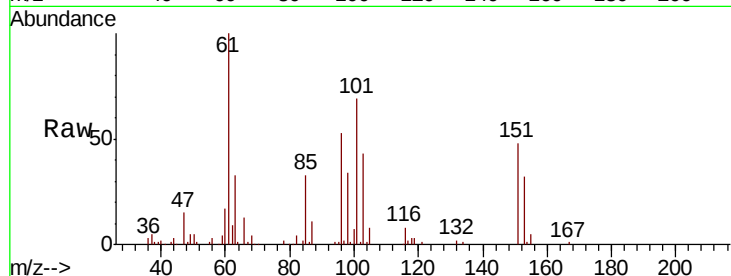
Tot Ion:101 Resp: 46001

Ion Ratio Lower Upper

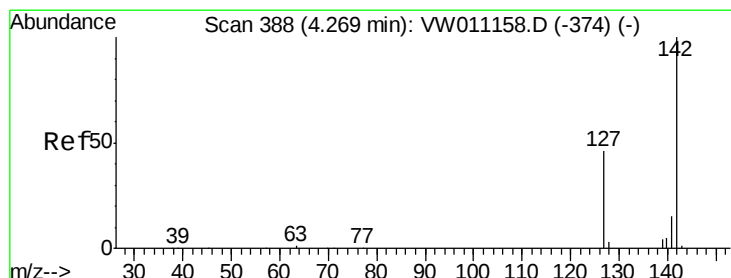
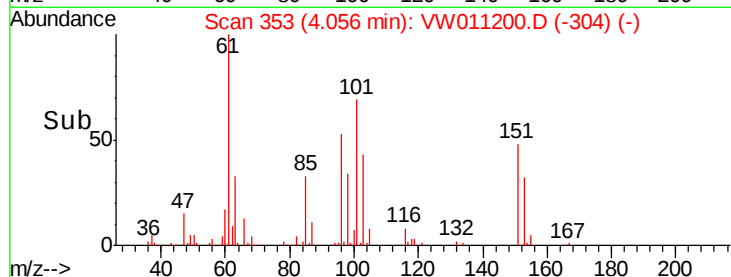
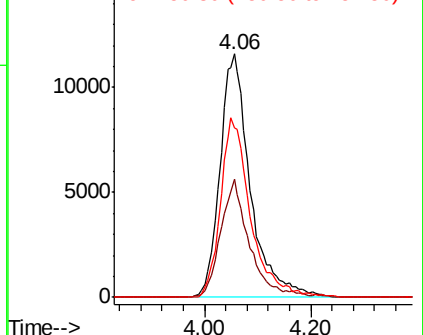
101 100

85 45.9 36.5 54.7

151 73.4 59.1 88.7



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: 20.848 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

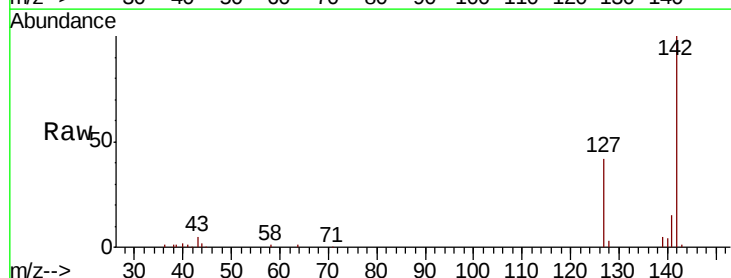
Tgt Ion:142 Resp: 63765

Ion Ratio Lower Upper

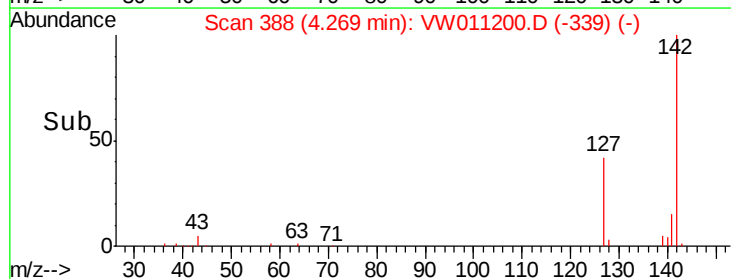
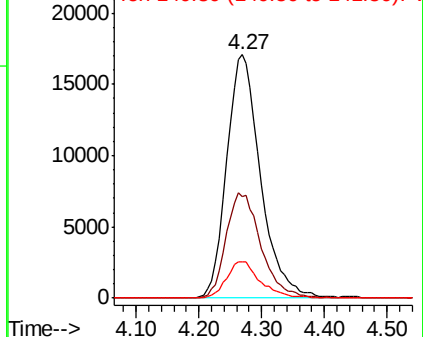
142 100

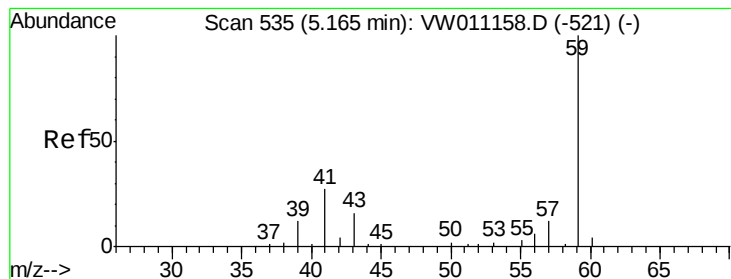
127 44.5 35.7 53.5

141 15.0 11.5 17.3



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



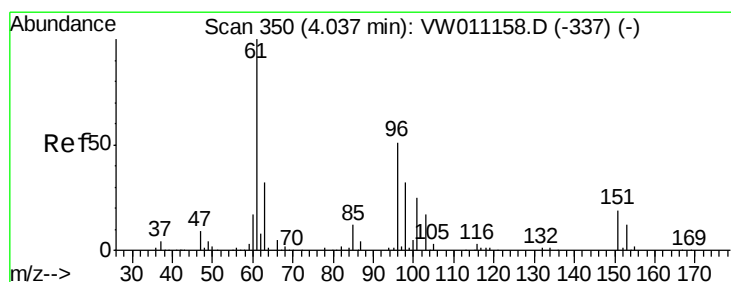
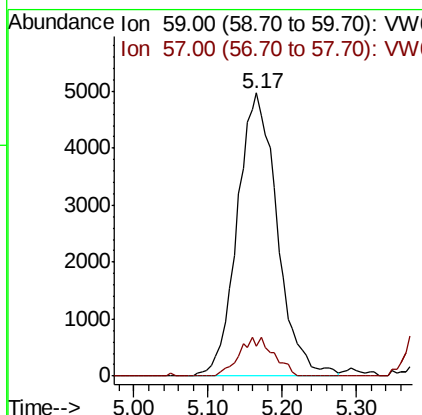
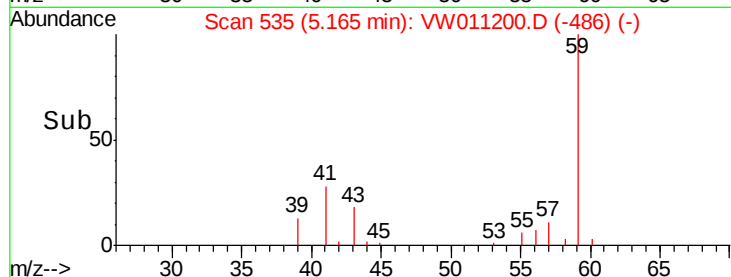
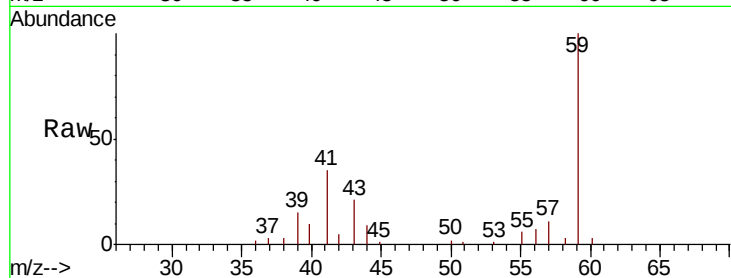


#11

Tert butyl alcohol
 Concen: 96.591 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampled :
 VW0711SBS01

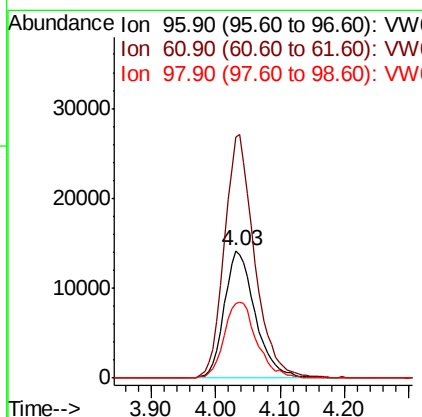
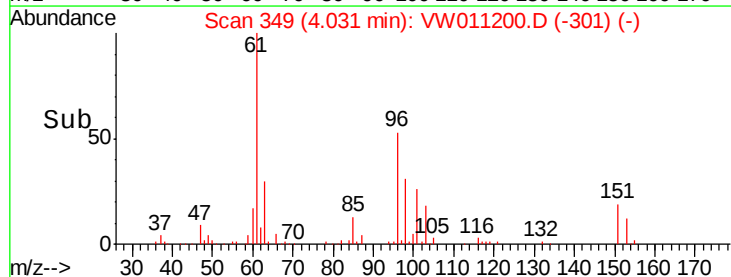
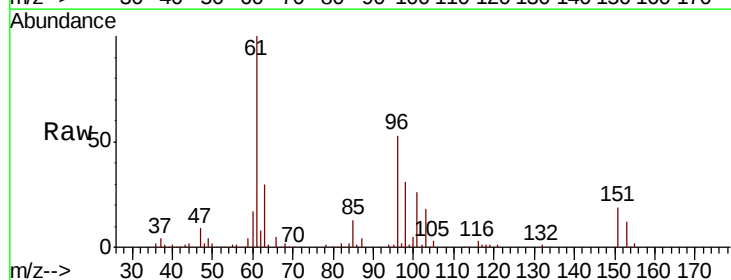
Tot Ion: 59 Resp: 18670
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.0 13.6

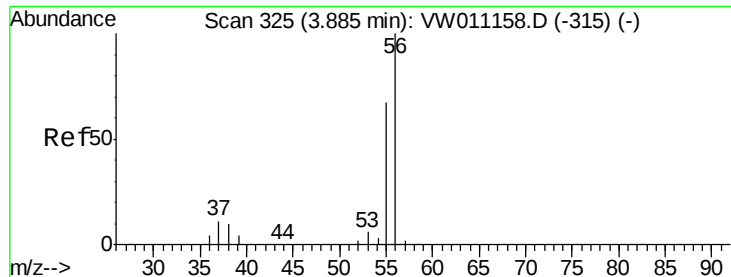


#12

1,1-Dichloroethene
 Concen: 20.741 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 96 Resp: 47873
 Ion Ratio Lower Upper
 96 100
 61 188.8 157.7 236.5
 98 58.7 50.9 76.3





#13

Acrolein

Concen: 81.896 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

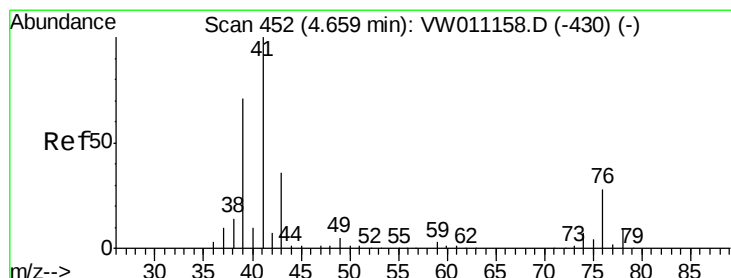
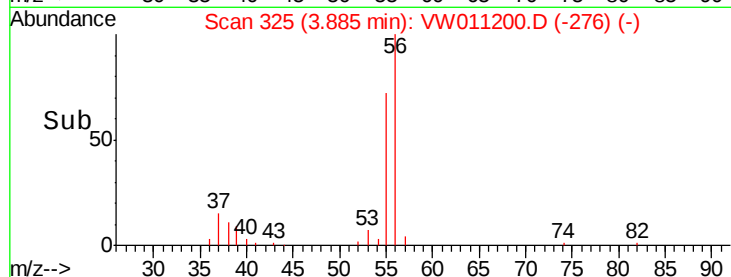
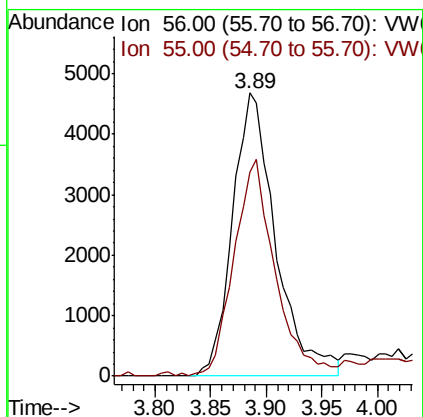
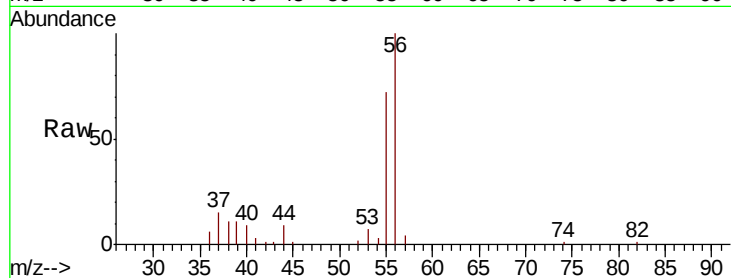
VW0711SBS01

Tot Ion: 56 Resp: 12605

Ion Ratio Lower Upper

56 100

55 73.2 56.4 84.6



#14

Allyl chloride

Concen: 19.590 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

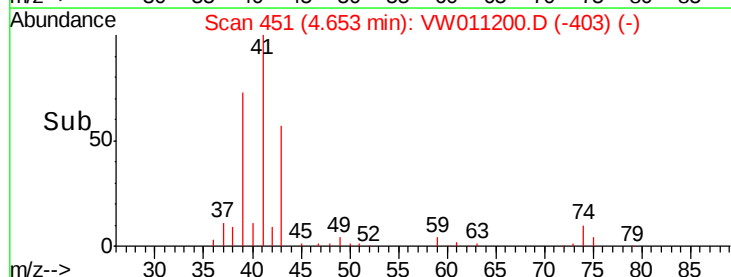
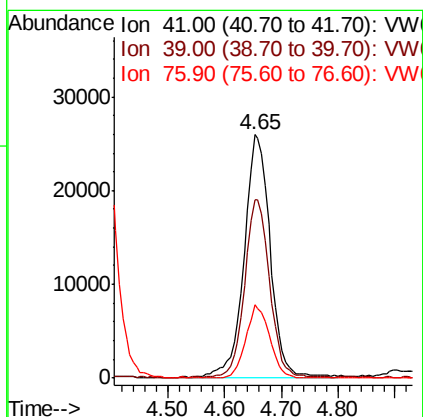
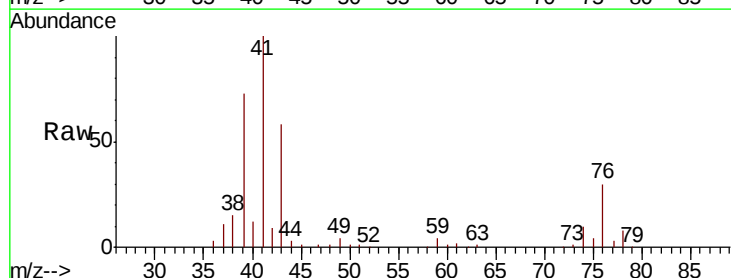
Tgt Ion: 41 Resp: 82452

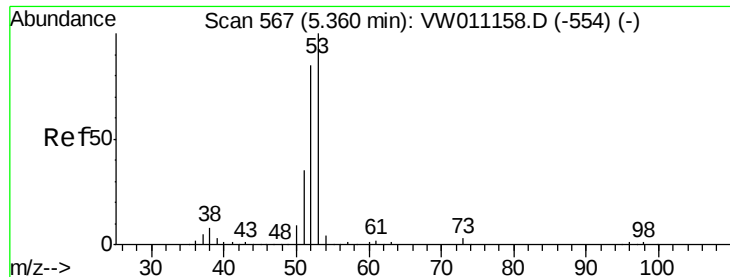
Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

76 27.5 22.5 33.7





#15

Acrylonitrile

Concen: 106.310 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

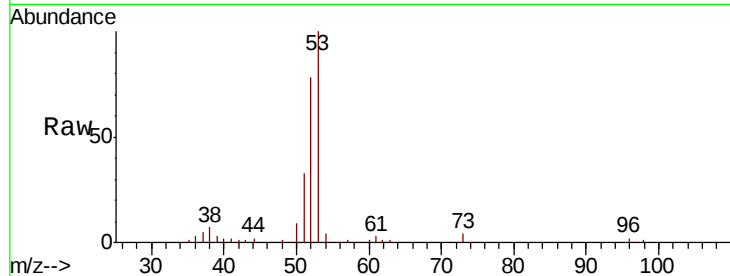
Tot Ion: 53 Resp: 69551

Ion Ratio Lower Upper

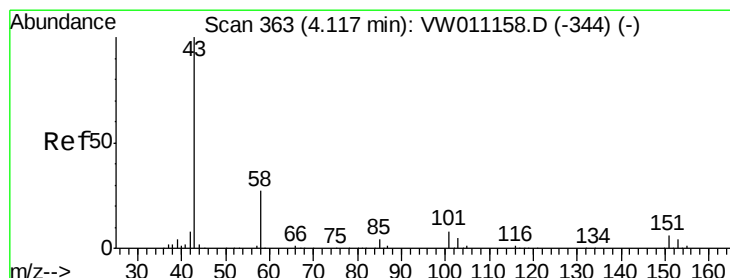
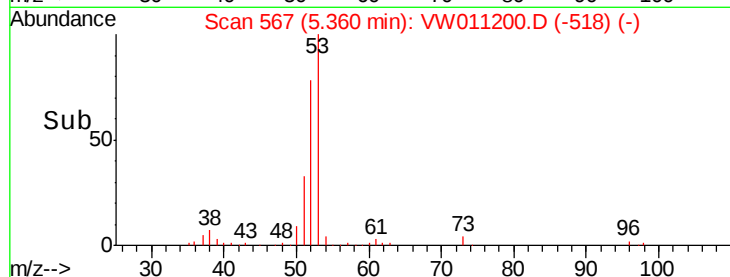
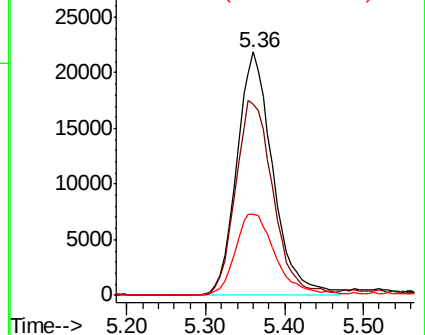
53 100

52 83.2 66.2 99.4

51 37.5 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 97.689 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011200.D

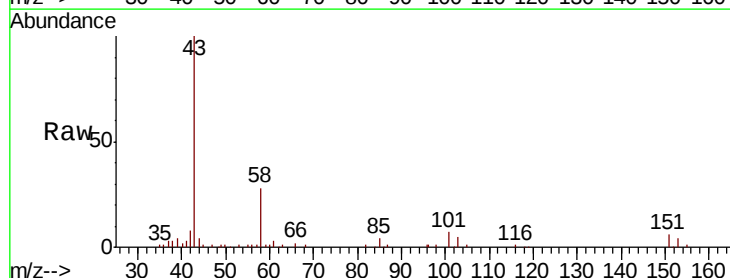
Acq: 10 Jul 2019 20:29

Tgt Ion: 43 Resp: 61365

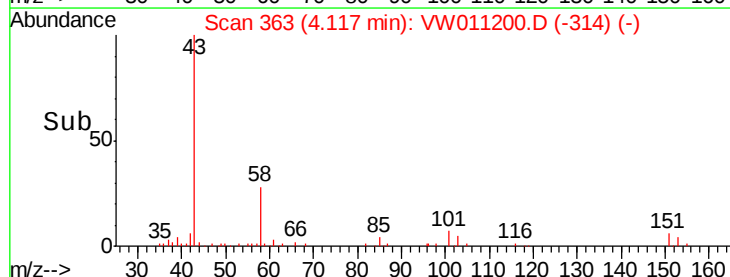
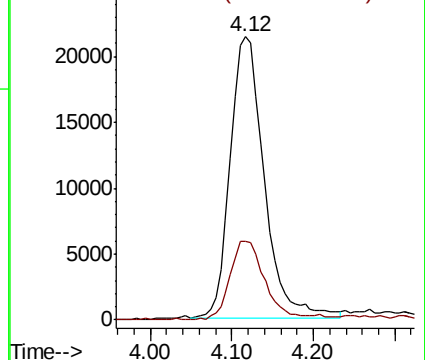
Ion Ratio Lower Upper

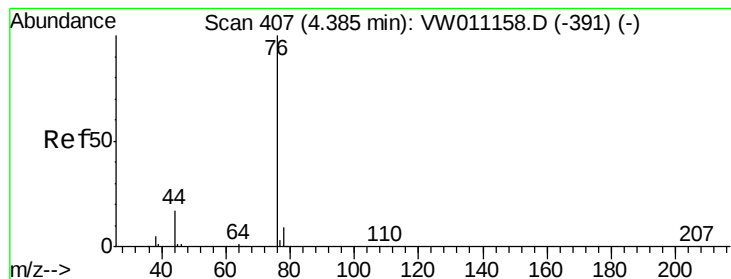
43 100

58 27.6 21.8 32.6



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





#17

Carbon Disulfide

Concen: 18.820 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

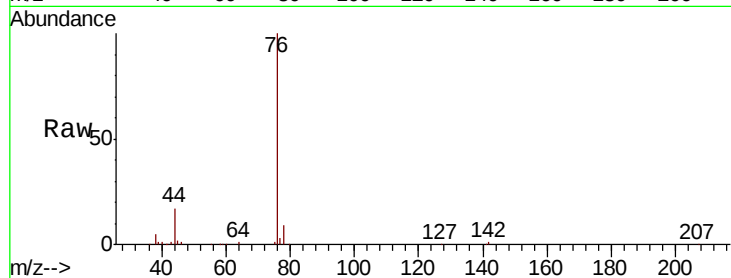
VW0711SBS01

Tot Ion: 76 Resp: 131693

Ion Ratio Lower Upper

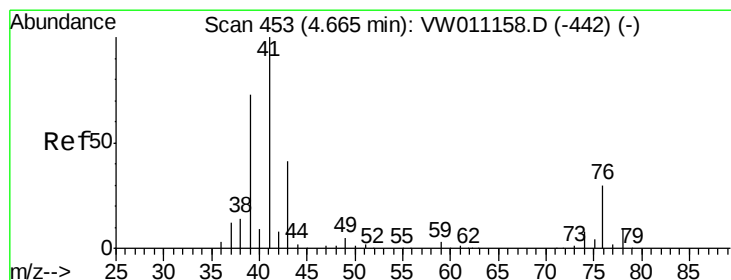
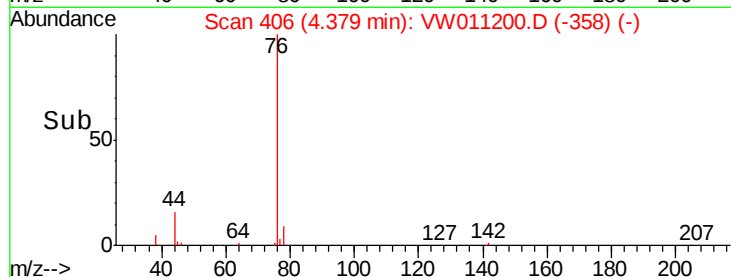
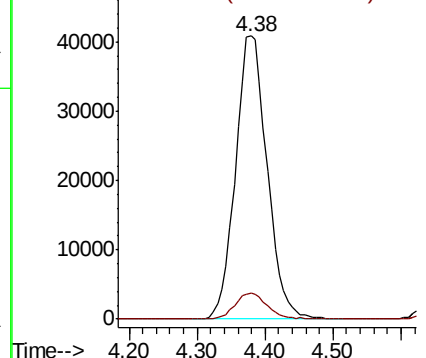
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.151 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011200.D

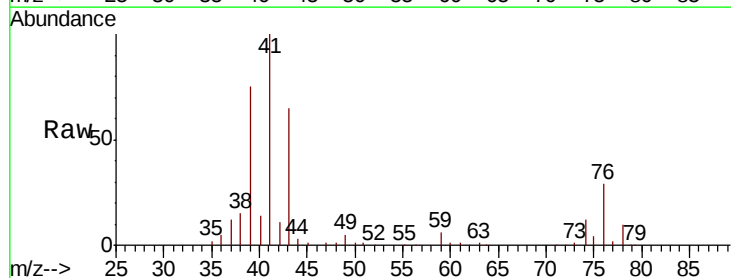
Acq: 10 Jul 2019 20:29

Tgt Ion: 43 Resp: 49409

Ion Ratio Lower Upper

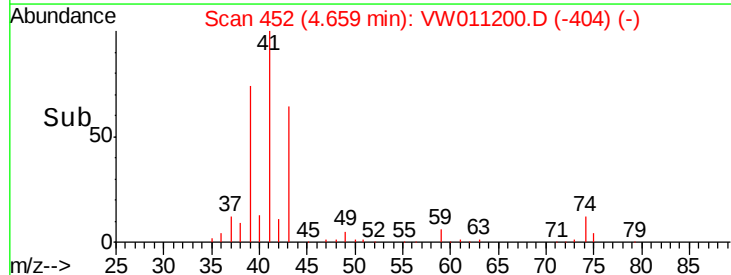
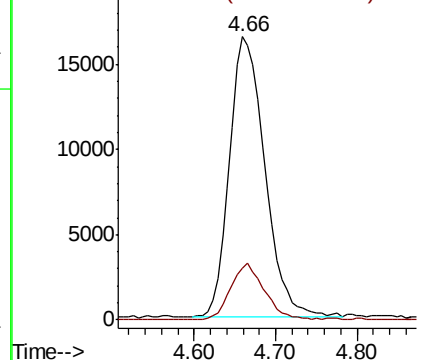
43 100

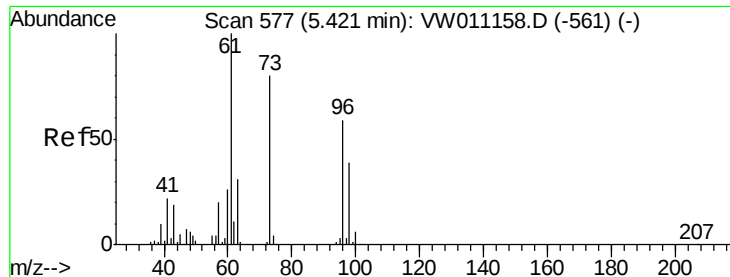
74 19.1 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

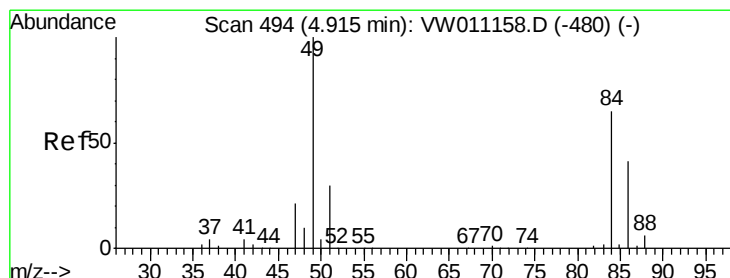
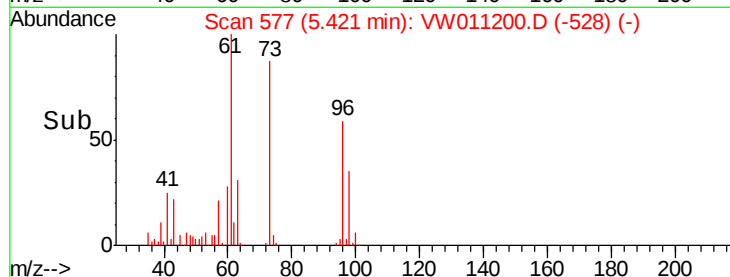
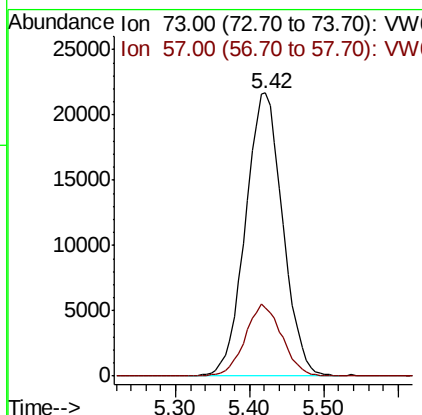
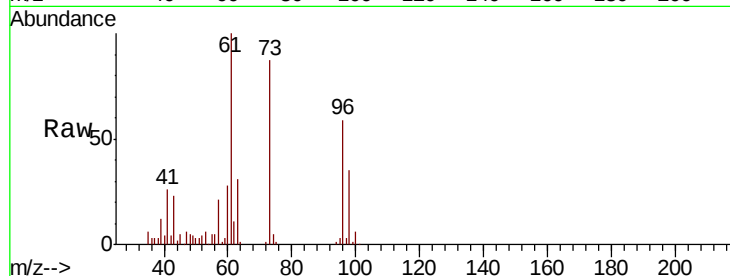




#19
Methyl tert-butyl Ether
Concen: 21.711 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

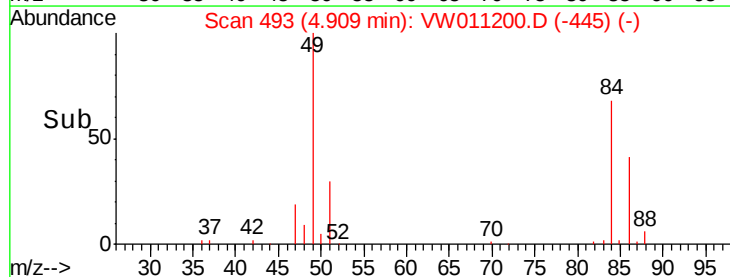
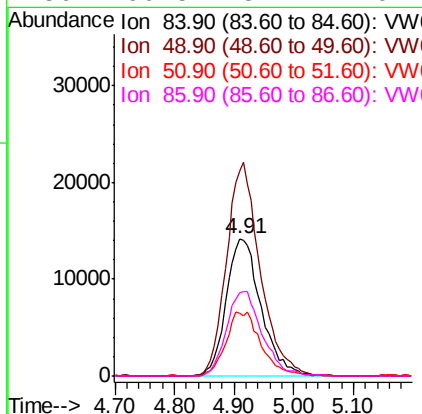
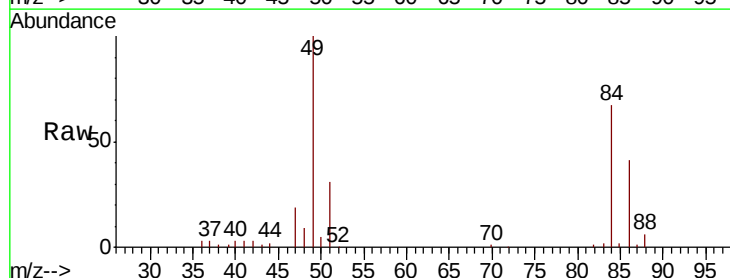
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

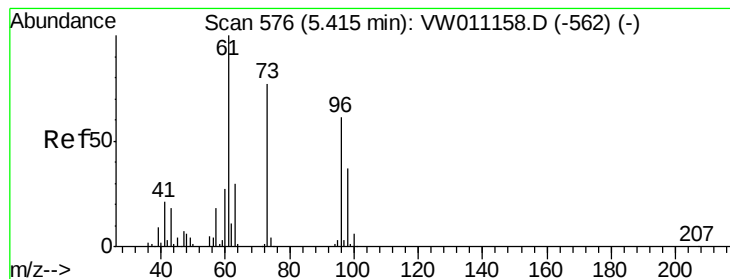
Tot Ion: 73 Resp: 76034
Ion Ratio Lower Upper
73 100
57 24.3 19.7 29.5



#20
Methylene Chloride
Concen: 23.218 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 84 Resp: 57535
Ion Ratio Lower Upper
84 100
49 148.8 123.8 185.6
51 45.5 37.4 56.2
86 60.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.917 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

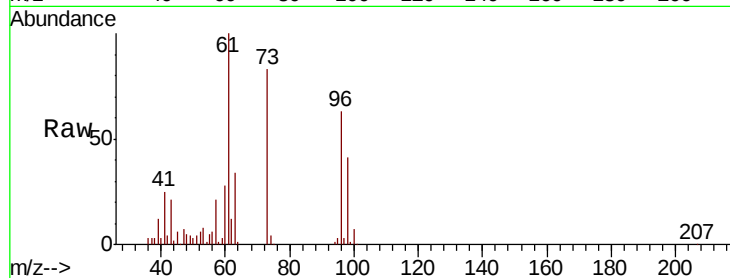
Tot Ion: 96 Resp: 50167

Ion Ratio Lower Upper

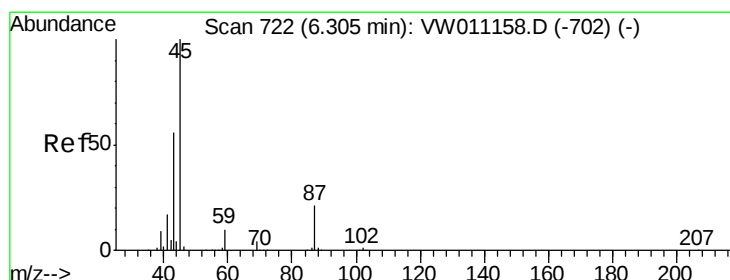
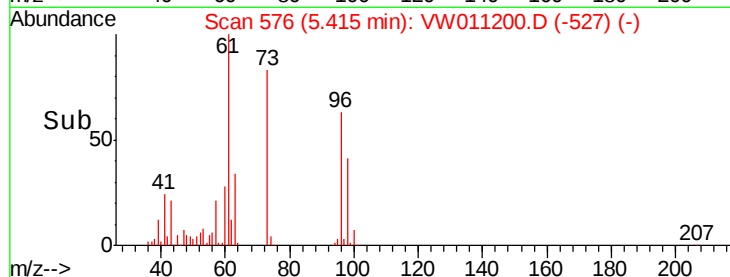
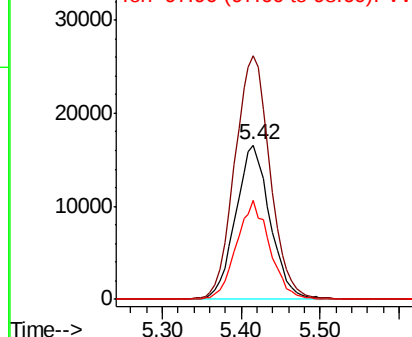
96 100

61 158.0 132.2 198.2

98 64.3 49.4 74.0



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: 22.226 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion: 45 Resp: 201208

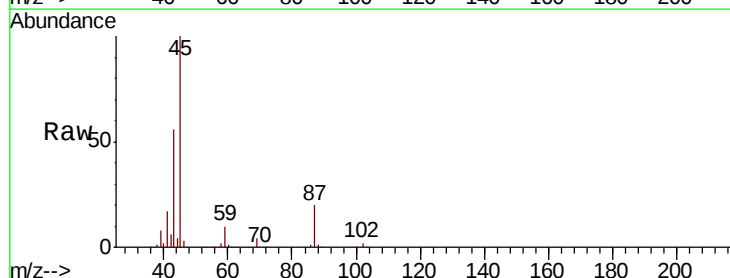
Ion Ratio Lower Upper

45 100

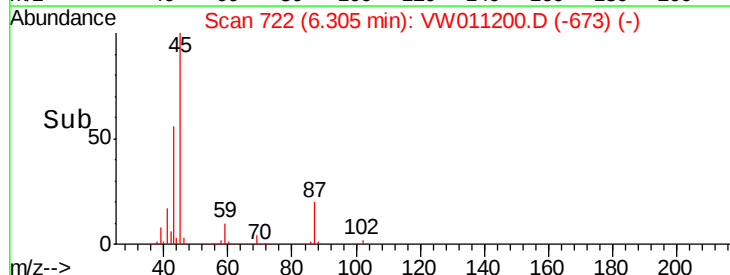
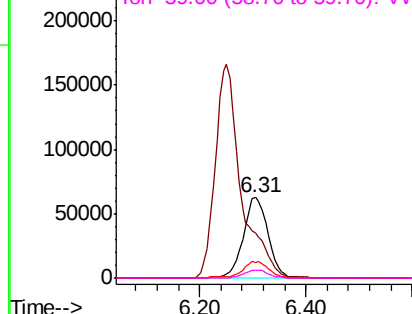
43 55.8 44.6 66.8

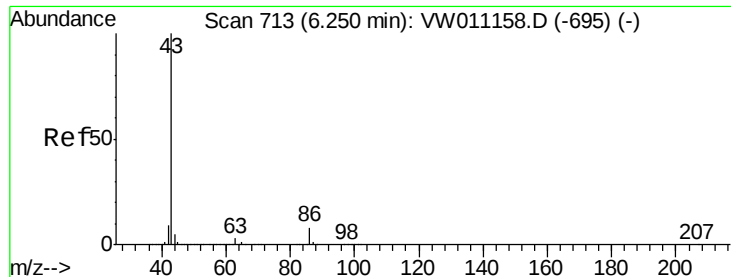
87 19.8 17.3 25.9

59 10.2 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: 99.938 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

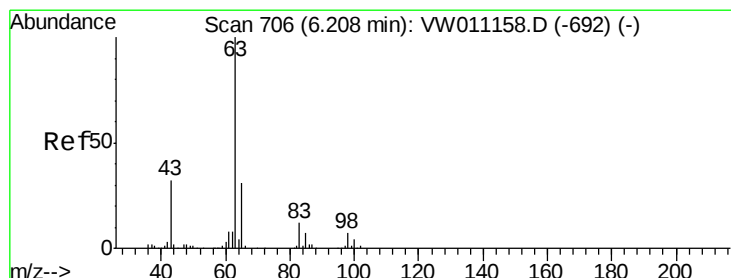
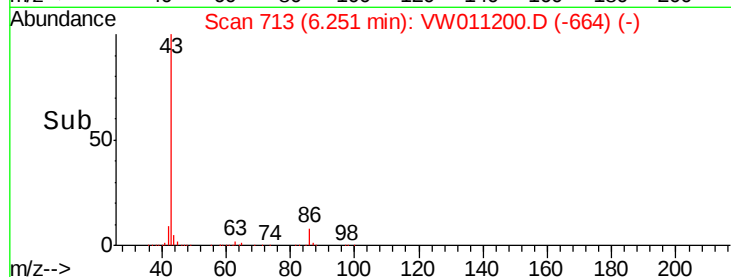
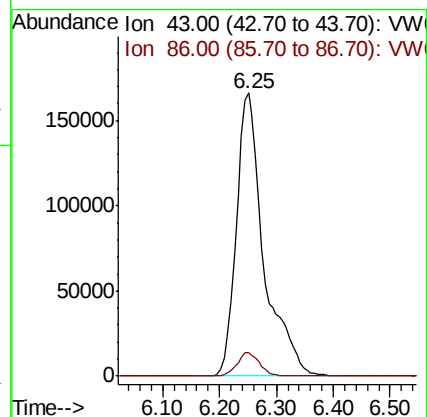
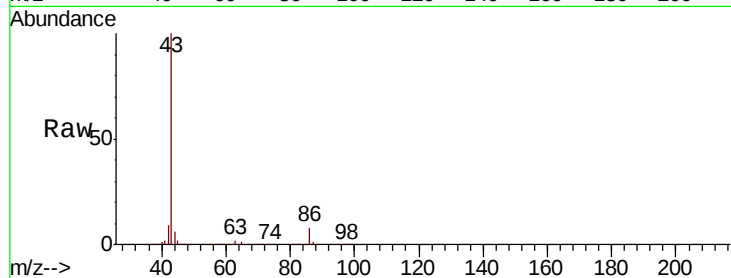
VW0711SBS01

Tot Ion: 43 Resp: 559897

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.891 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

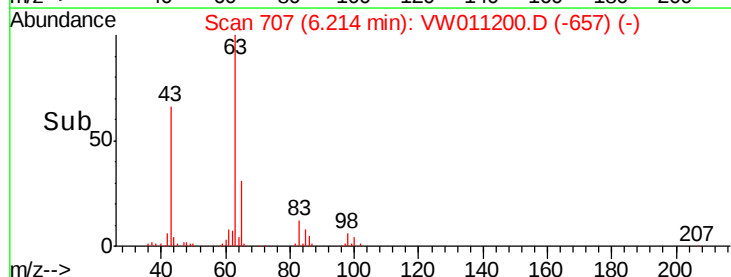
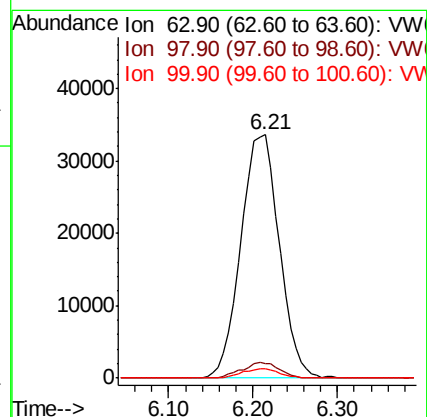
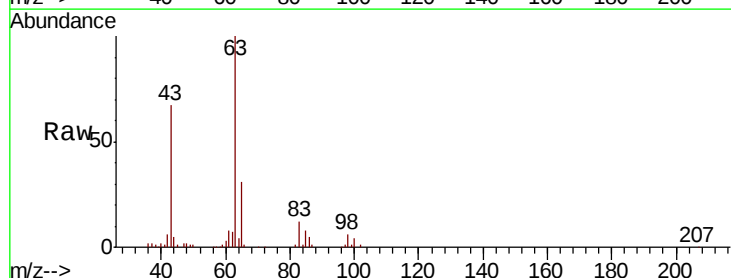
Tgt Ion: 63 Resp: 104064

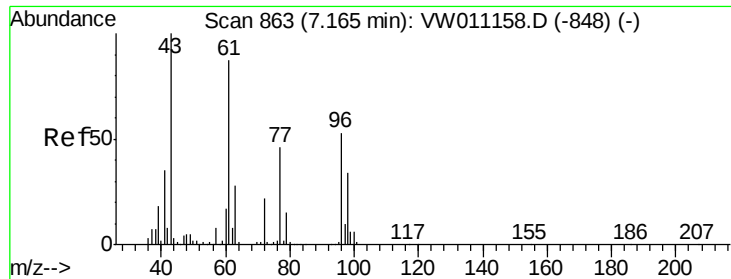
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 102.402 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

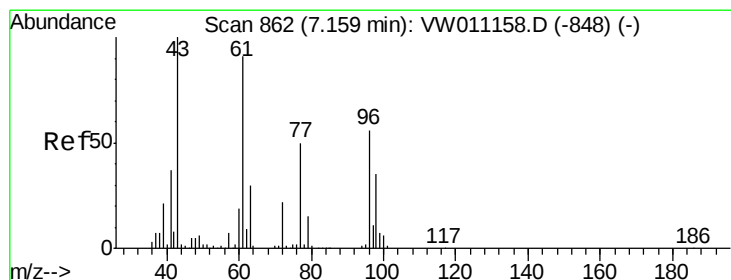
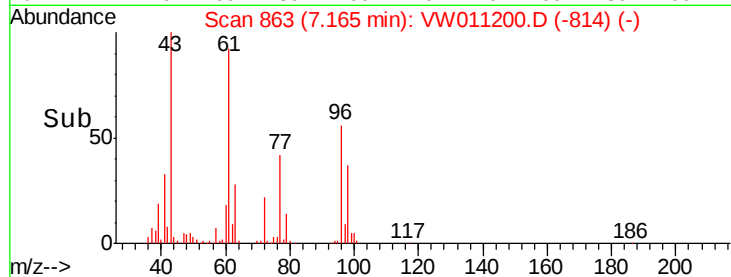
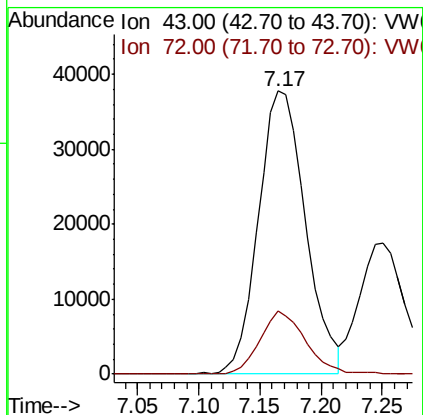
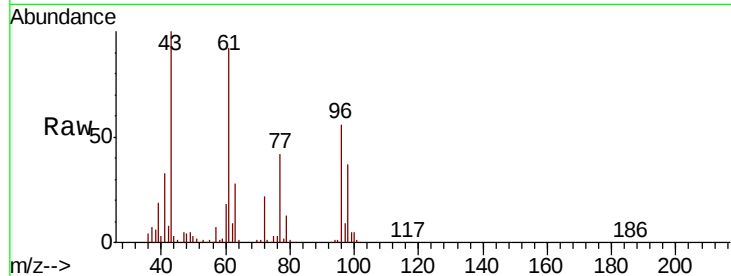
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion: 43 Resp: 100974

Ion Ratio Lower Upper

43 100

72 22.4 17.6 26.4



#26

2,2-Dichloropropane

Concen: 18.907 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011200.D

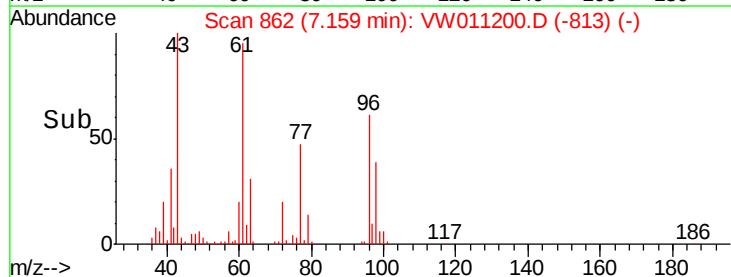
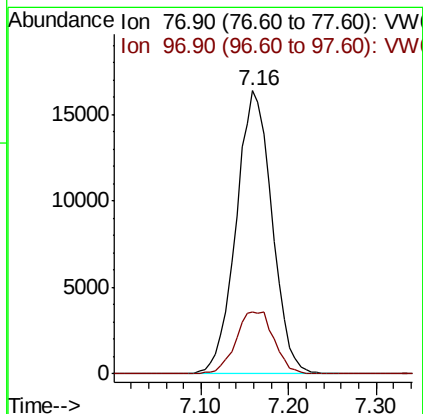
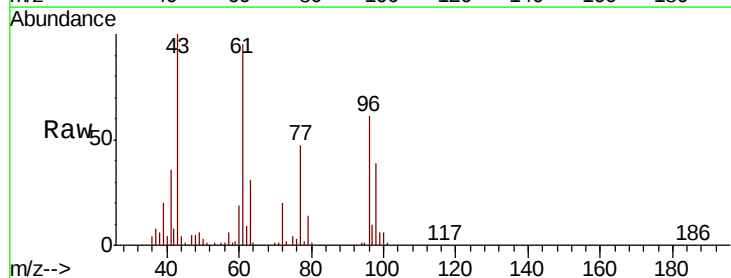
Acq: 10 Jul 2019 20:29

Tgt Ion: 77 Resp: 46719

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.5



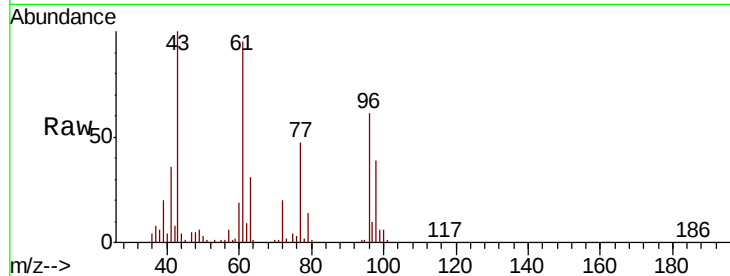


#27

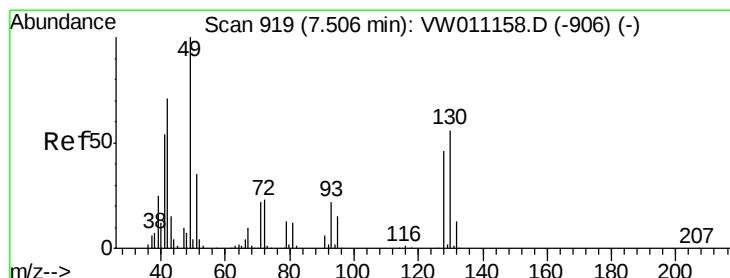
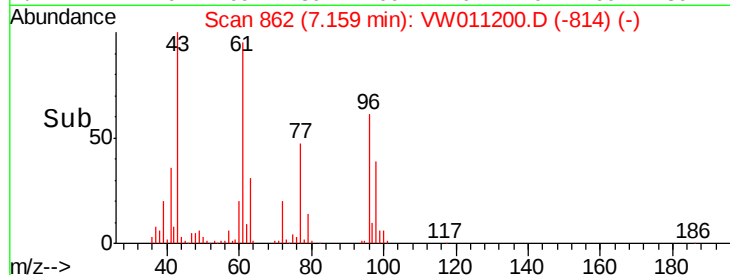
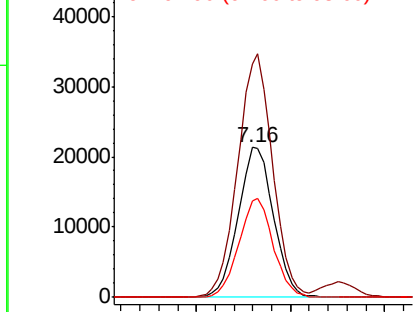
cis-1,2-Dichloroethene
Concen: 21.668 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	325.6
98	64.0	0.0	128.2



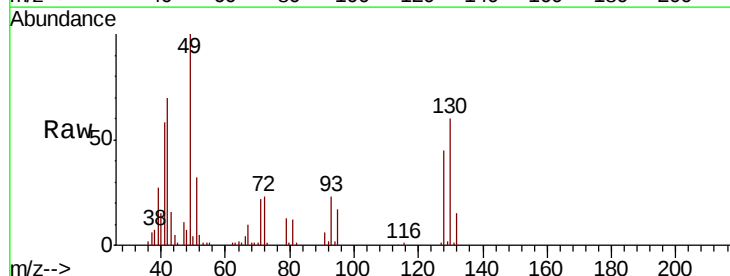
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



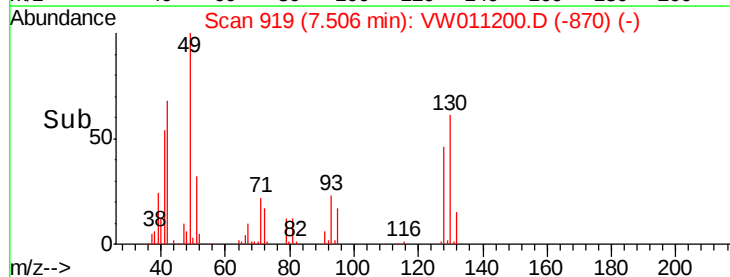
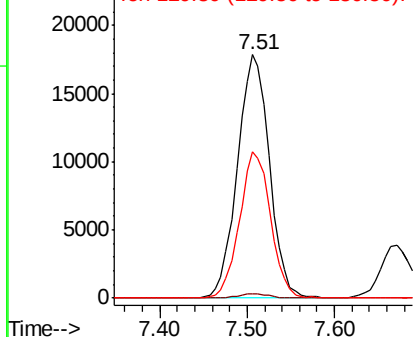
#28

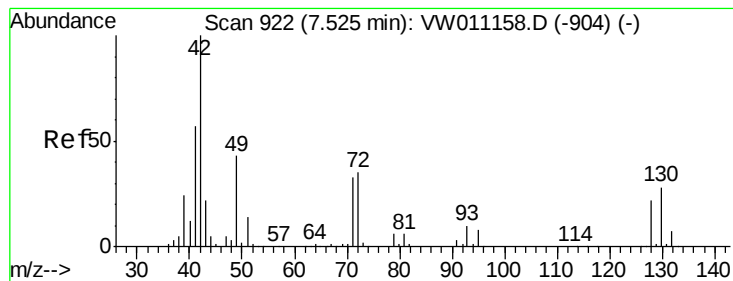
Bromochloromethane
Concen: 20.958 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	57.9	45.8	68.8



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: 105.539 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

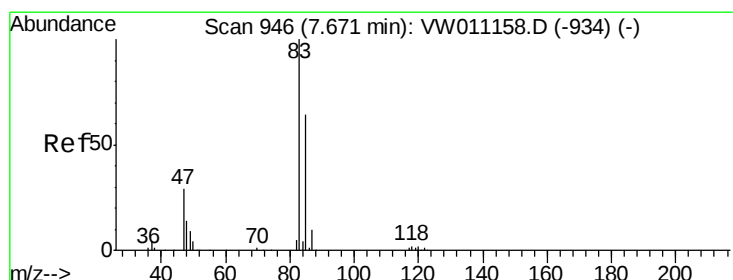
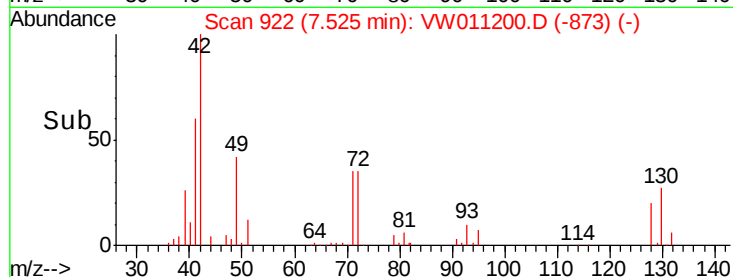
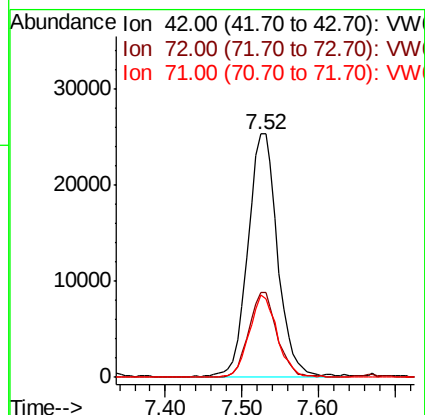
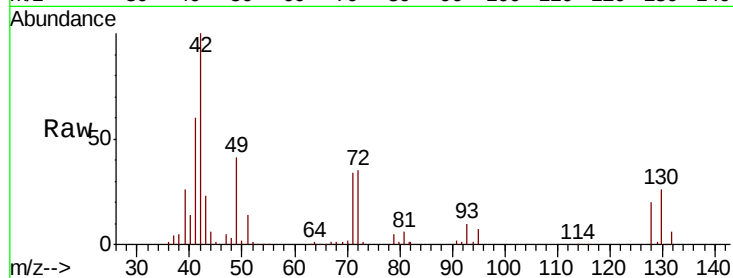
Tot Ion: 42 Resp: 68238

Ion Ratio Lower Upper

42 100

72 33.7 27.4 41.2

71 32.2 25.9 38.9



#30

Chloroform

Concen: 21.802 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011200.D

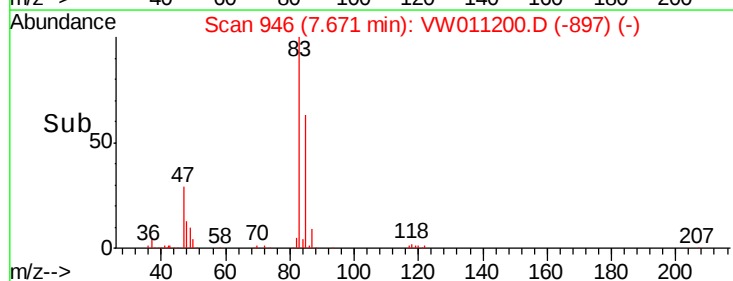
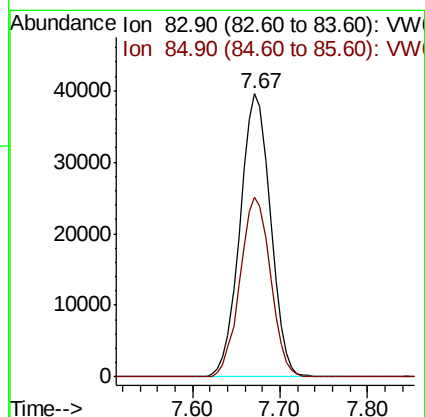
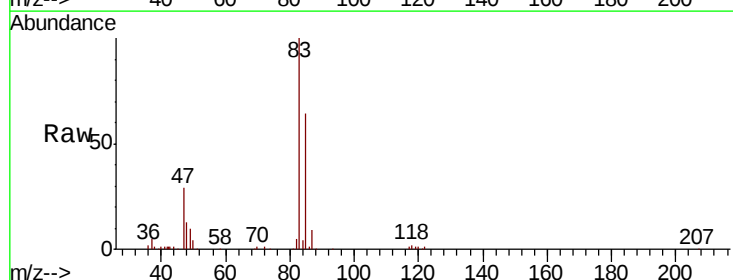
Acq: 10 Jul 2019 20:29

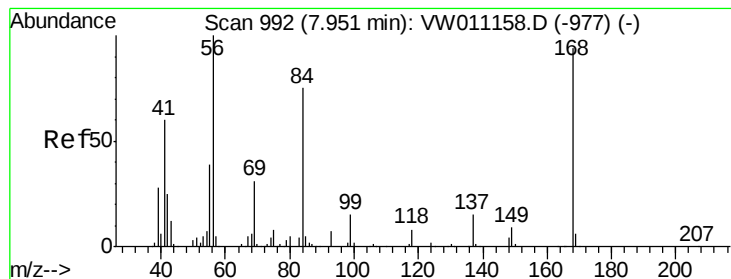
Tgt Ion: 83 Resp: 95979

Ion Ratio Lower Upper

83 100

85 63.7 51.4 77.2





#31

Cyclohexane

Concen: 19.928 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

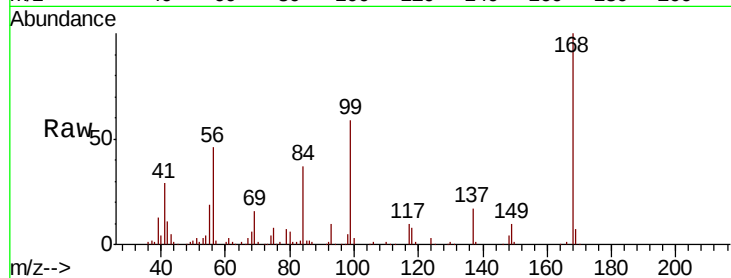
Tot Ion: 56 Resp: 100781

Ion Ratio Lower Upper

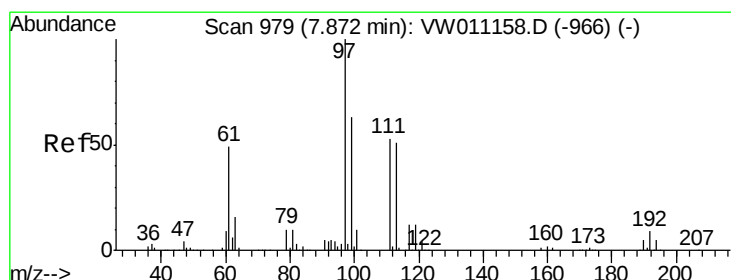
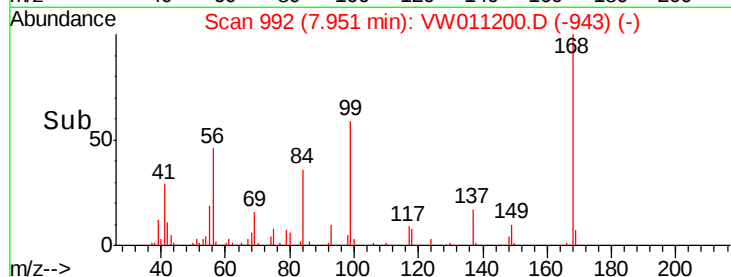
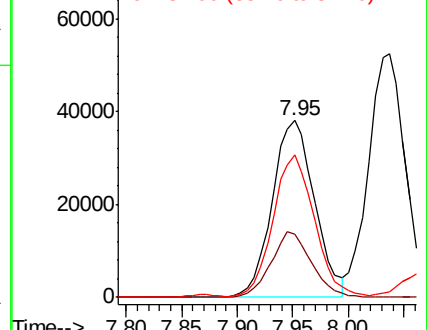
56 100

69 35.6 24.6 36.8

84 79.9 60.1 90.1



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: 20.565 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

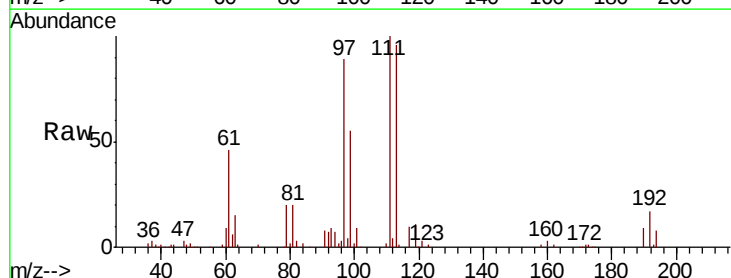
Tgt Ion: 97 Resp: 68868

Ion Ratio Lower Upper

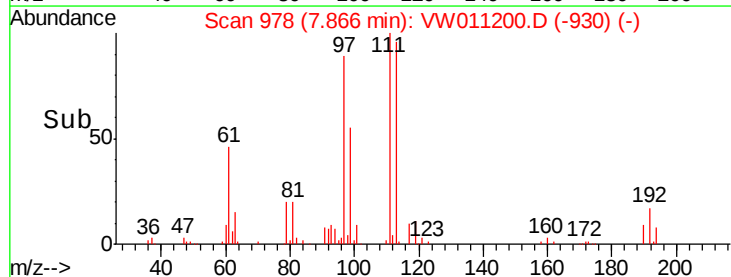
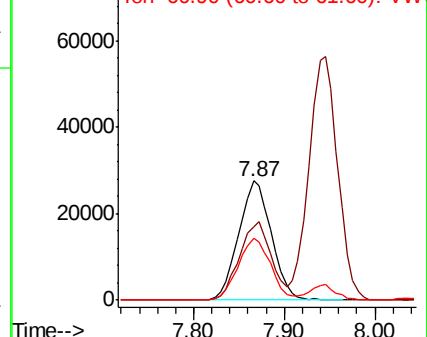
97 100

99 64.5 51.0 76.4

61 52.0 40.4 60.6



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: 52.380 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

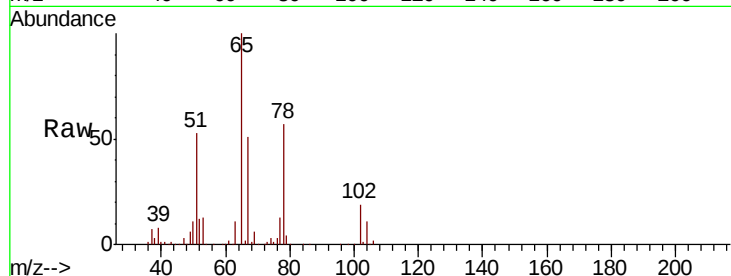
VW0711SBS01

Tot Ion: 65 Resp: 136748

Ion Ratio Lower Upper

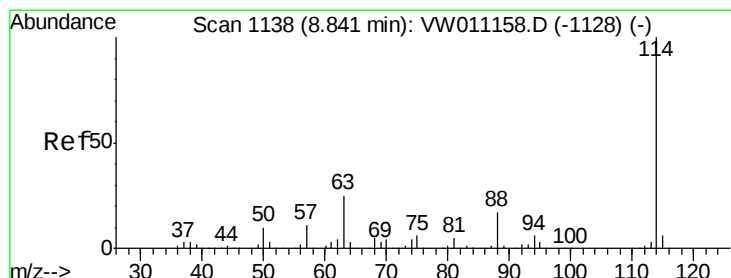
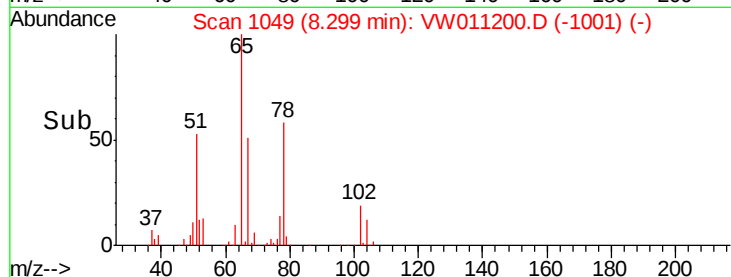
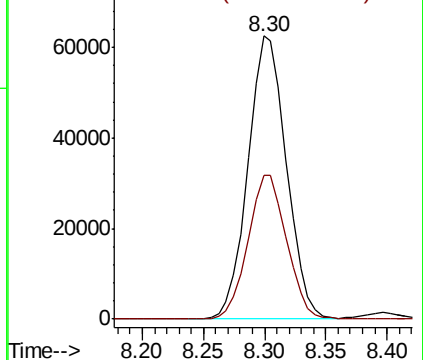
65 100

67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

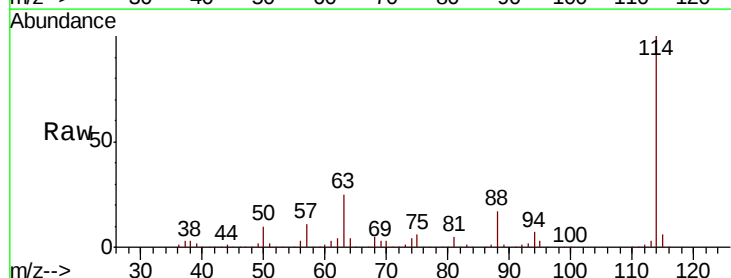
Tgt Ion: 114 Resp: 343089

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.8

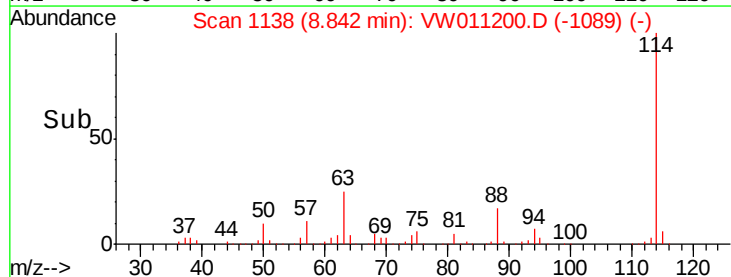
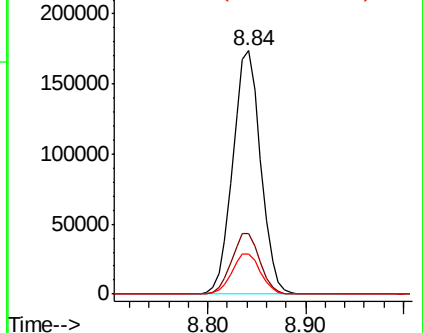
88 16.5 0.0 34.2

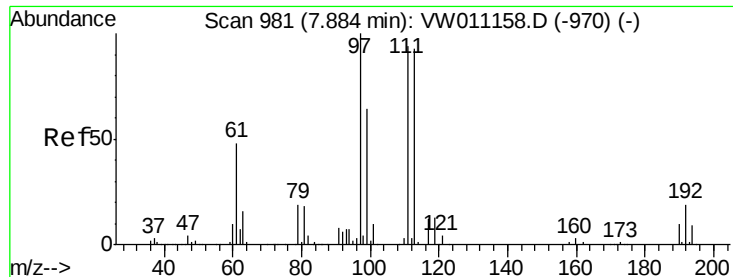


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.330 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

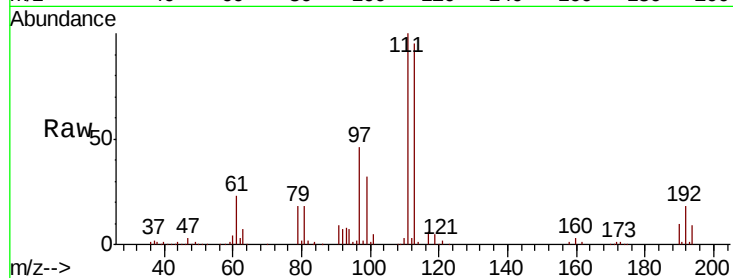
Tot Ion:113 Resp: 107013

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

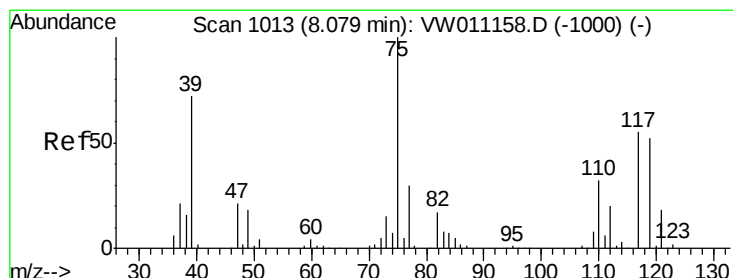
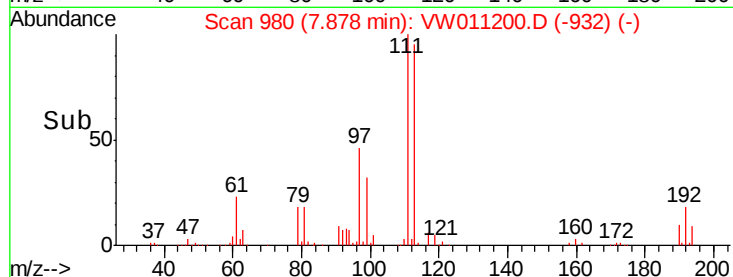
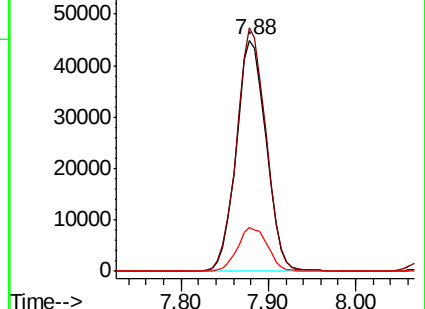
192 19.1 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.420 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

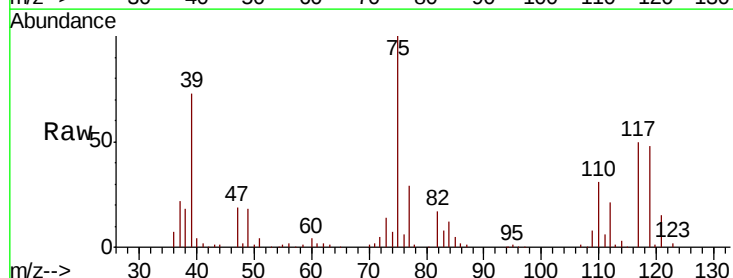
Tgt Ion: 75 Resp: 74605

Ion Ratio Lower Upper

75 100

110 31.3 15.9 47.6

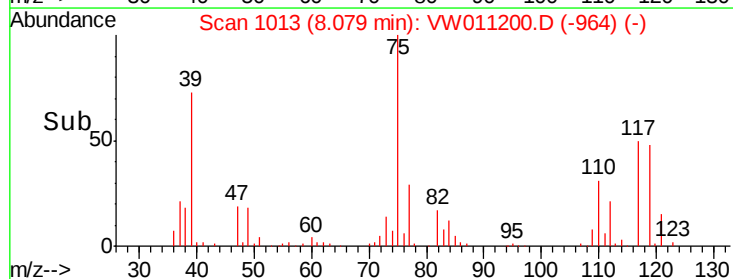
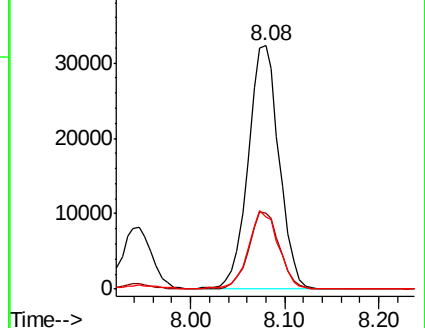
77 31.4 24.6 36.8

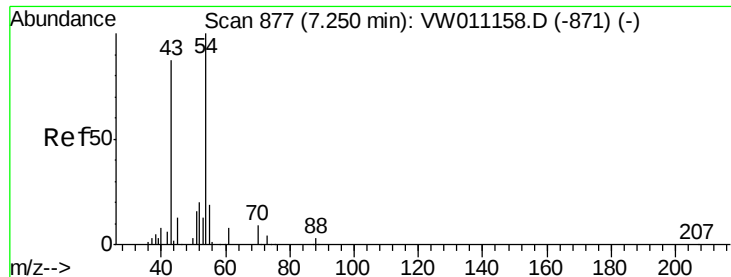


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

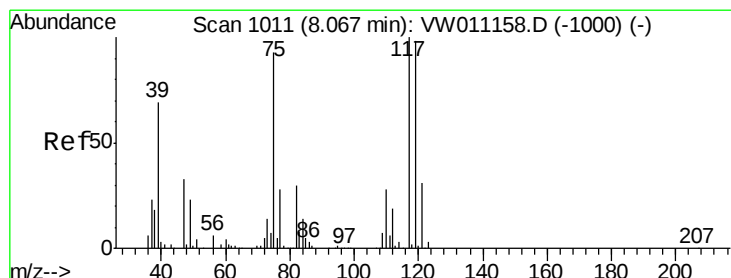
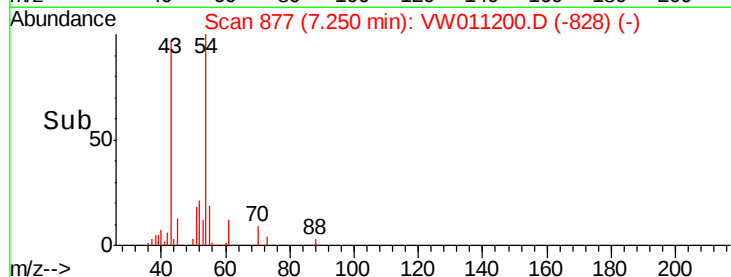
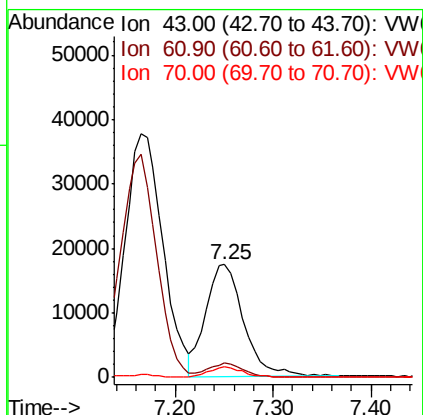
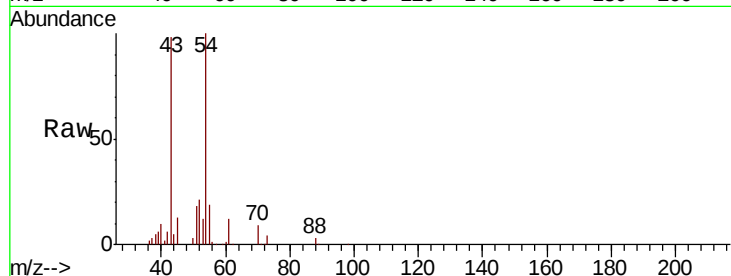




#37
Ethyl Acetate
Concen: 21.197 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

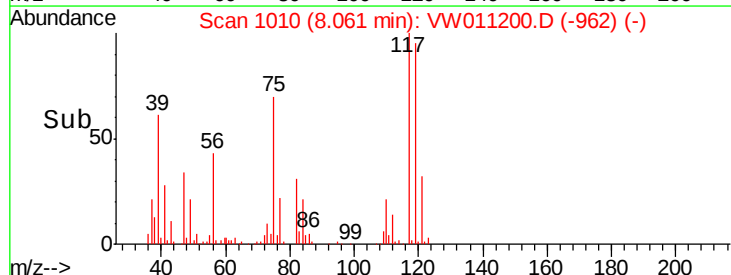
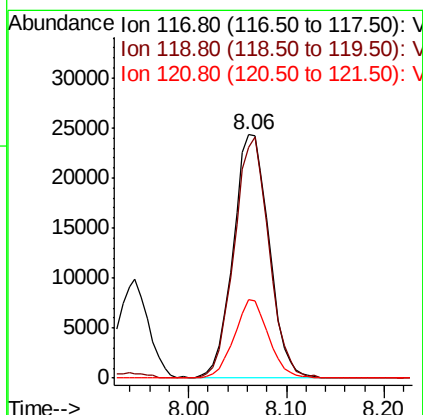
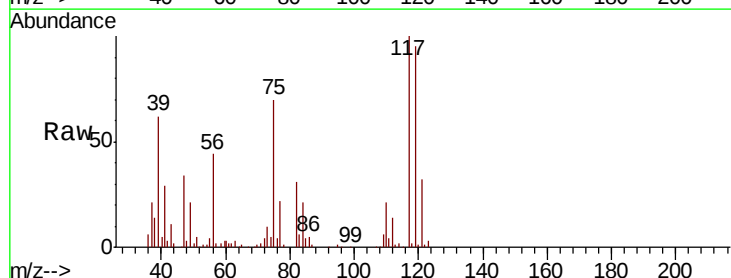
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion: 43 Resp: 46530
Ion Ratio Lower Upper
43 100
61 12.0 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 20.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 117 Resp: 62083
Ion Ratio Lower Upper
117 100
119 94.6 78.1 117.1
121 32.3 25.1 37.7

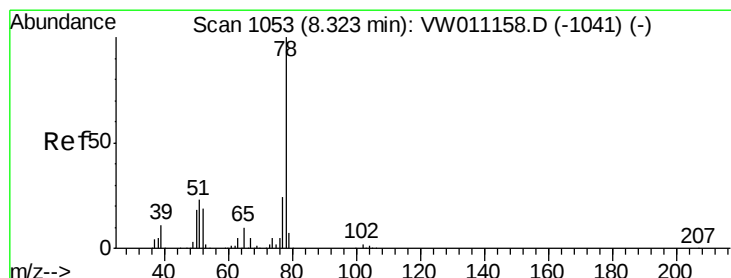
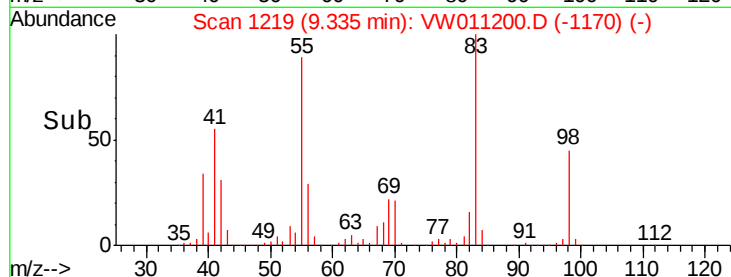
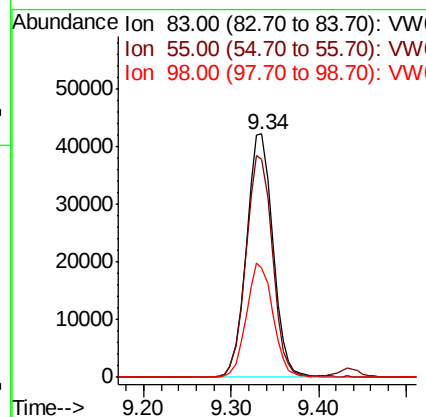
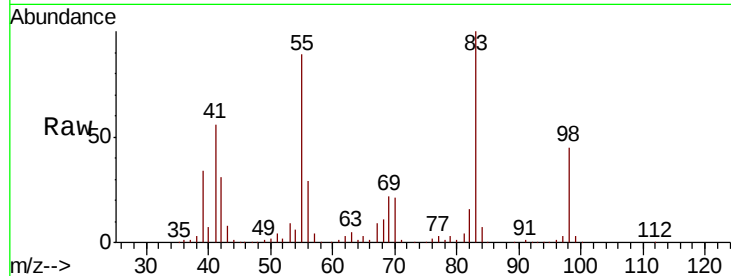




#39
Methvlcvclohexane
Concen: 20.143 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

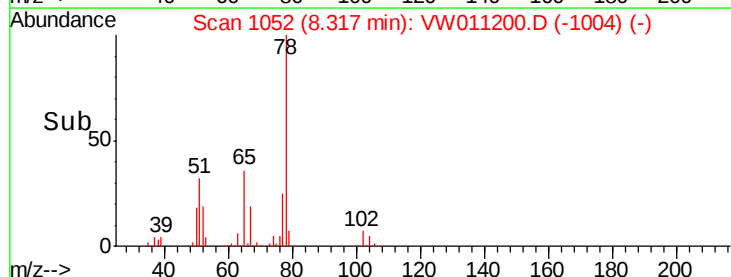
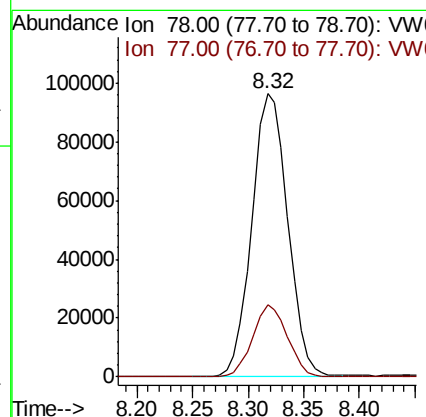
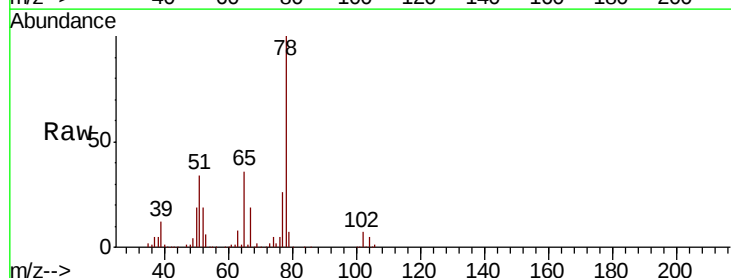
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

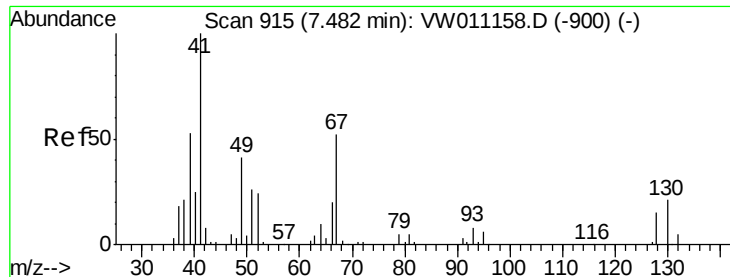
Tot Ion: 83 Resp: 89199
Ion Ratio Lower Upper
83 100
55 89.4 71.2 106.8
98 45.0 37.5 56.3



#40
Benzene
Concen: 21.520 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 78 Resp: 217292
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6

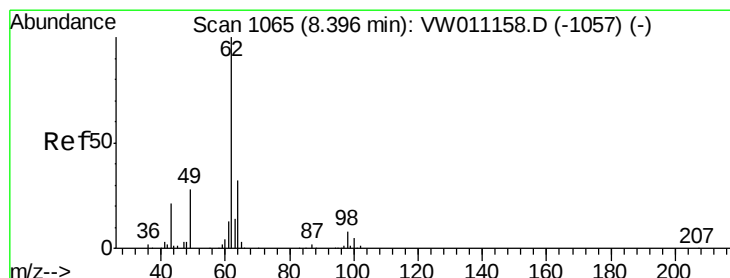
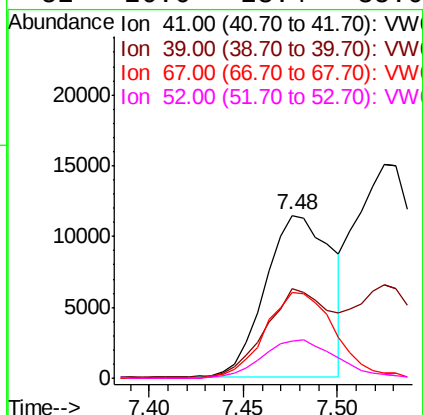
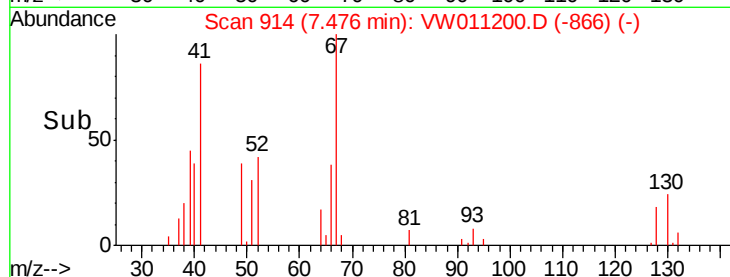
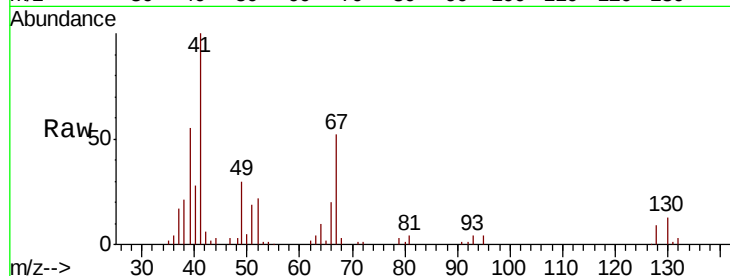




#41
Methacrylonitrile
Concen: 22.437 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

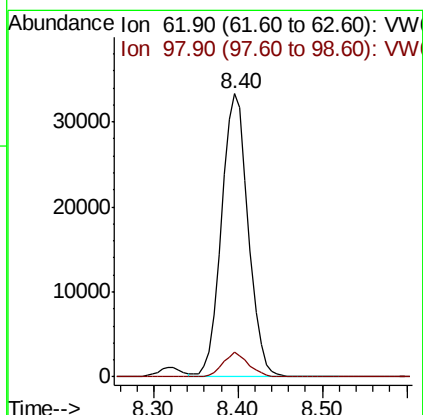
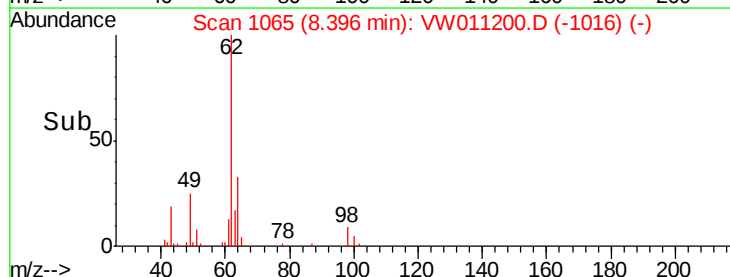
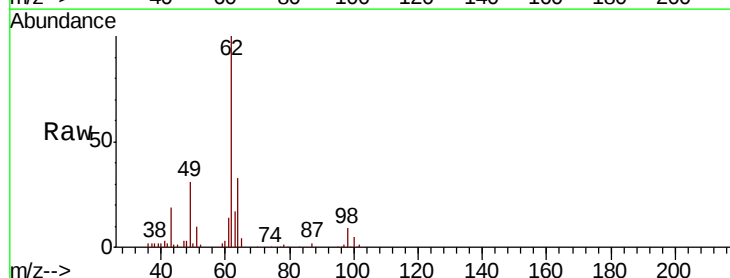
Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

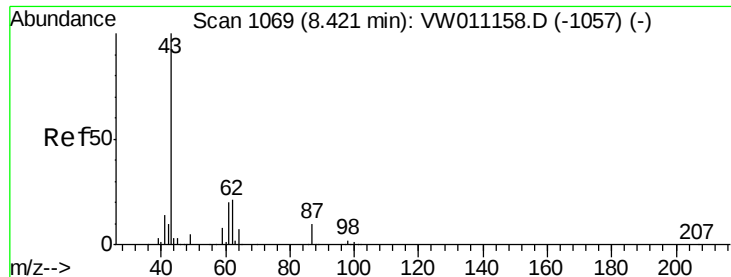
Tot Ion:	41	Resp:	28170
Ion	Ratio	Lower	Upper
41	100		
39	53.1	48.0	72.0
67	55.6	49.7	74.5
52	26.6	23.4	35.0



#42
1,2-Dichloroethane
Concen: 22.156 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:	62	Resp:	72572
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.749 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

VW0711SBS01

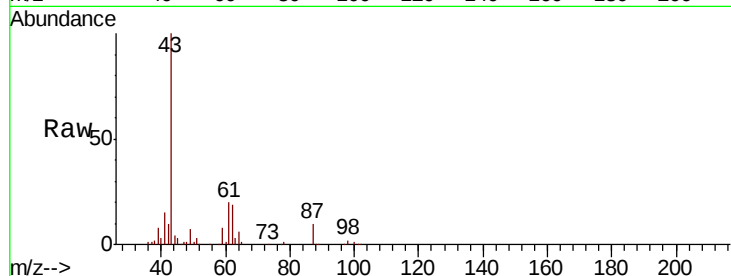
Tot Ion: 43 Resp: 85992

Ion Ratio Lower Upper

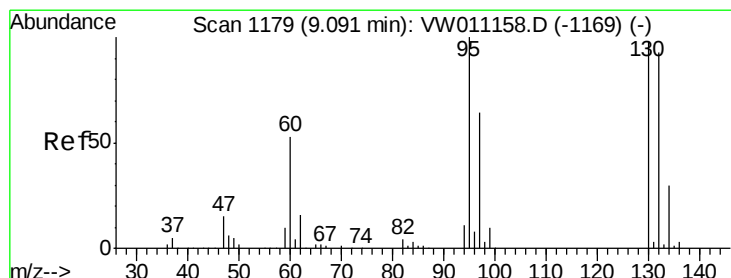
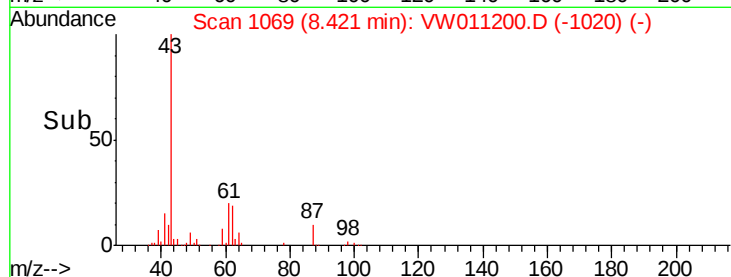
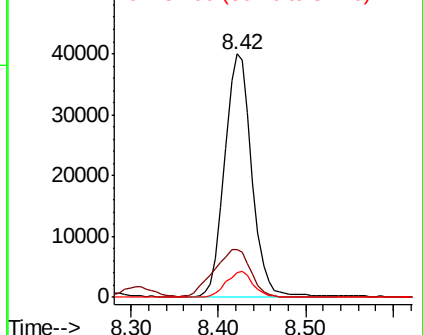
43 100

61 27.0 20.7 31.1

87 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.261 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011200.D

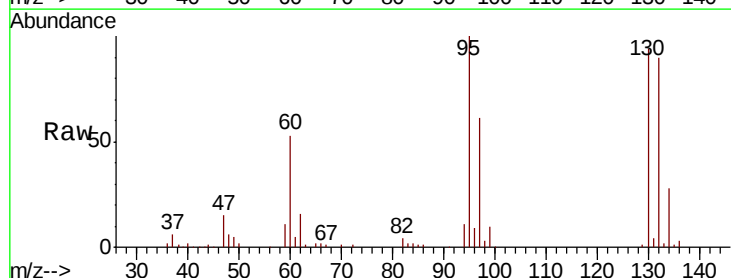
Acq: 10 Jul 2019 20:29

Tgt Ion: 130 Resp: 51660

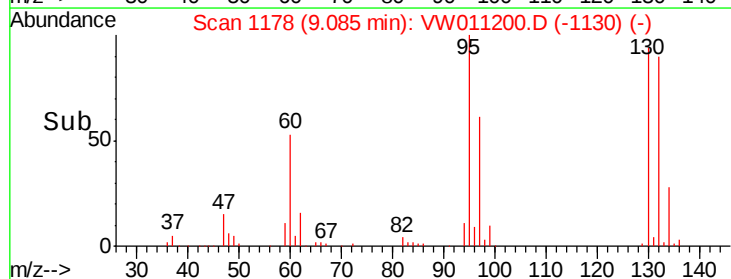
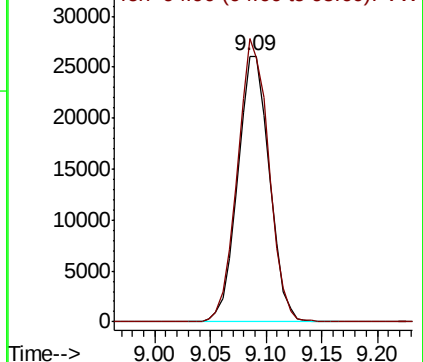
Ion Ratio Lower Upper

130 100

95 106.6 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

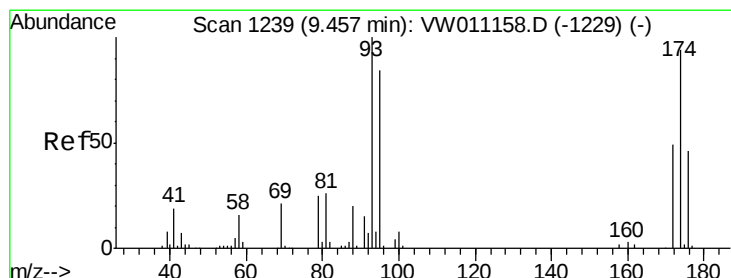
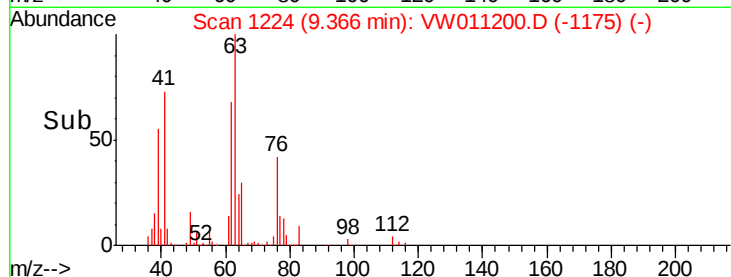
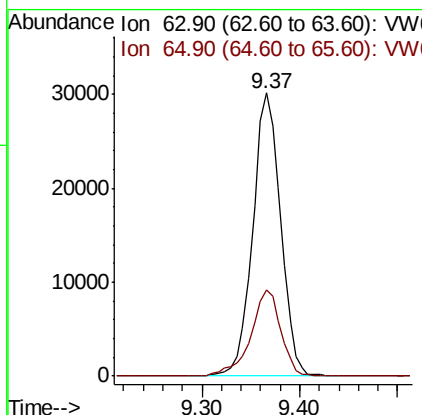
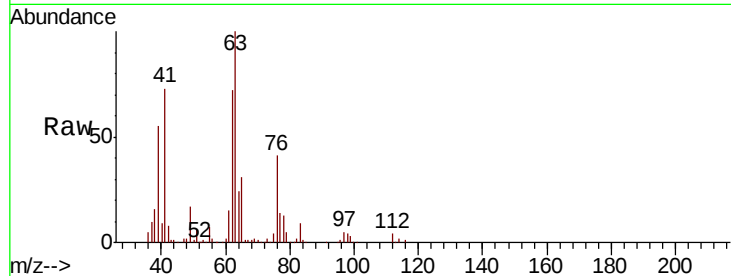




#45
 1,2-Dichloropropane
 Concen: 21.816 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

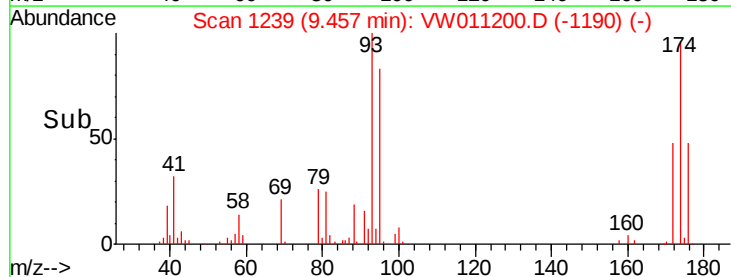
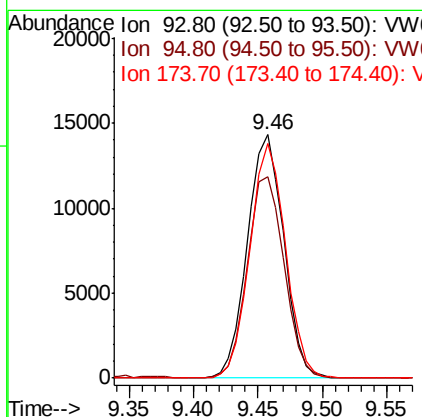
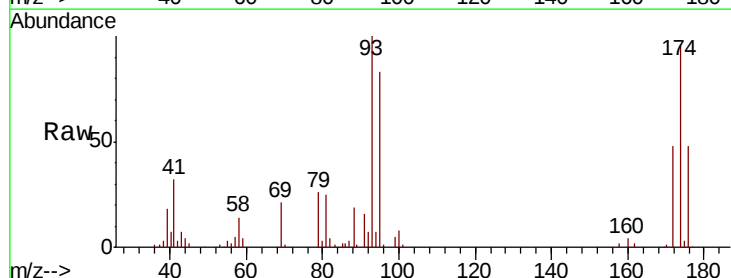
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

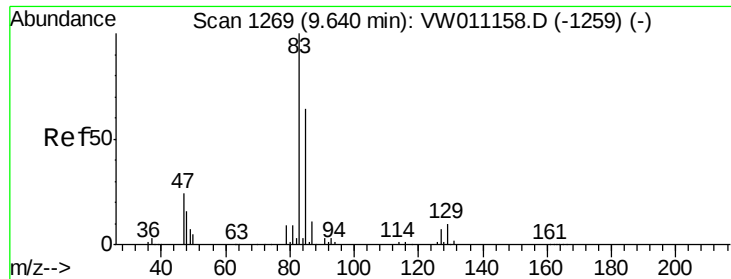
Tot Ion: 63 Resp: 59651
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.4 36.6



#46
 Dibromomethane
 Concen: 21.769 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 93 Resp: 27961
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.2 100.8
 174 94.3 76.3 114.5





#47

Bromodichloromethane

Concen: 21.453 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

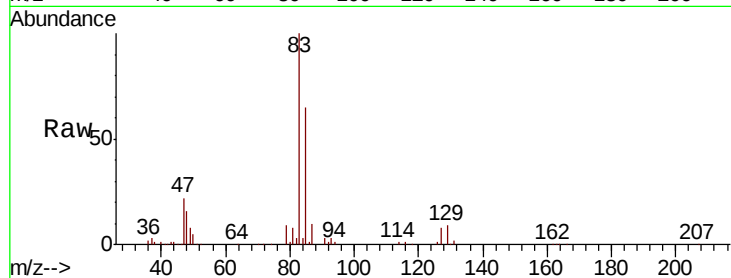
Tot Ion: 83 Resp: 70503

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4

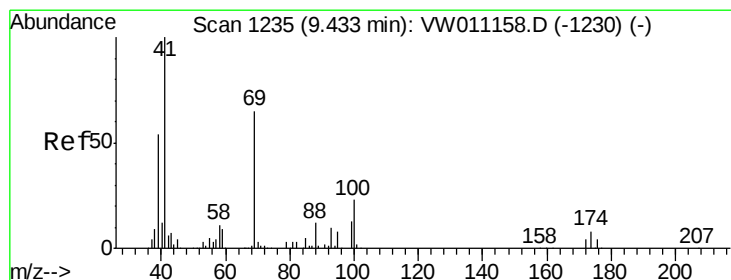
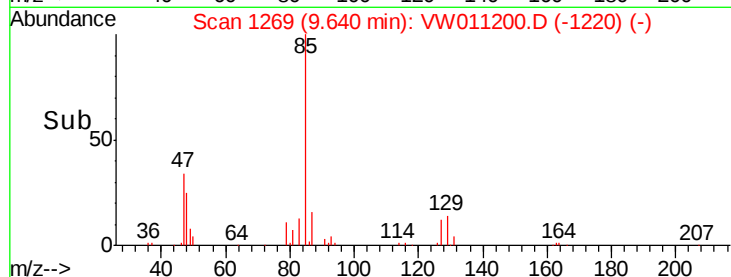
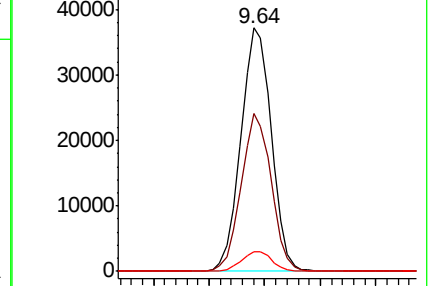
127 8.0 6.0 9.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.930 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

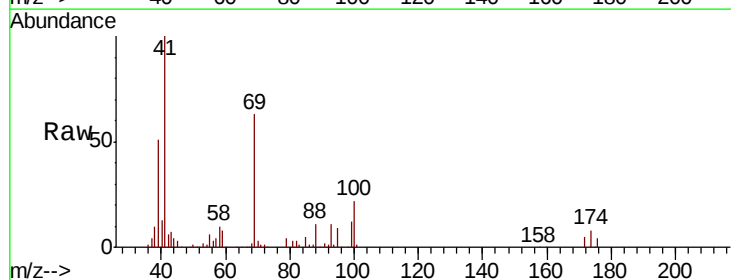
Tgt Ion: 41 Resp: 41731

Ion Ratio Lower Upper

41 100

69 70.5 56.0 84.0

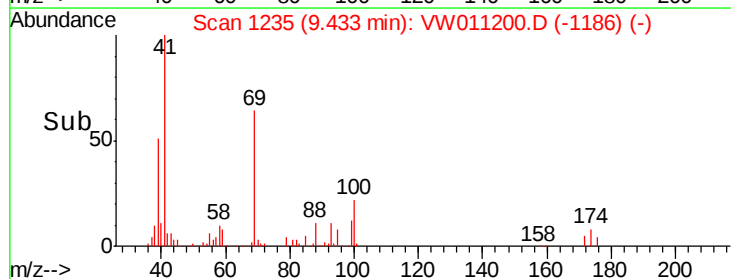
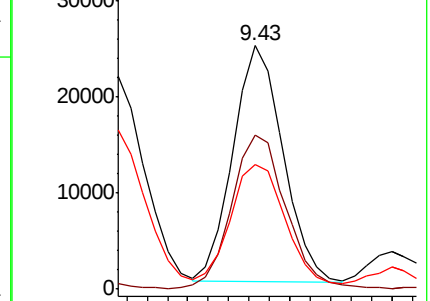
39 59.5 43.5 65.3

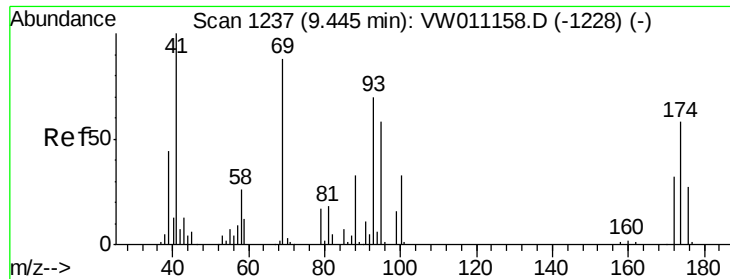


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

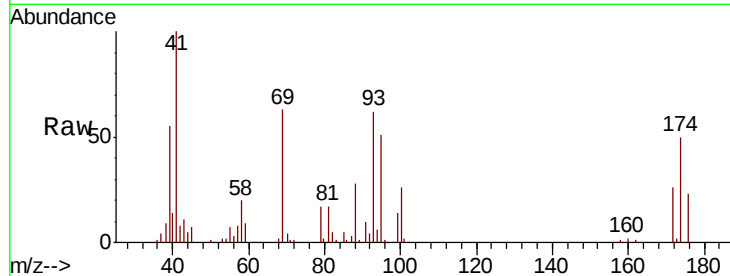




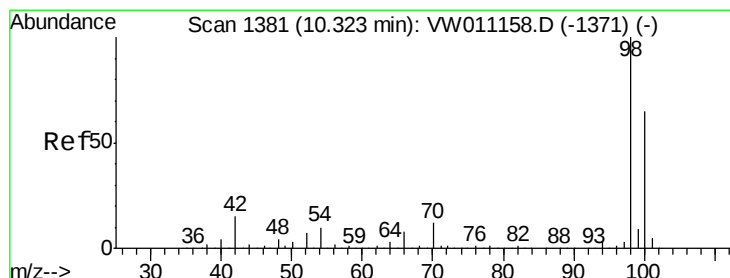
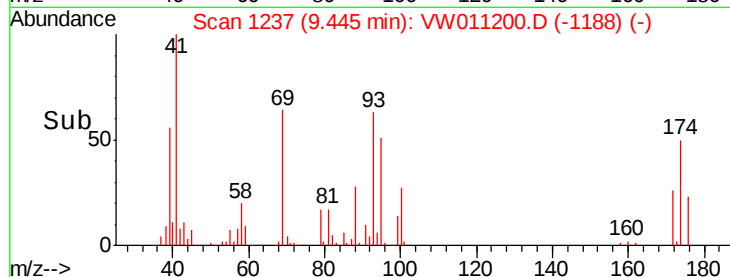
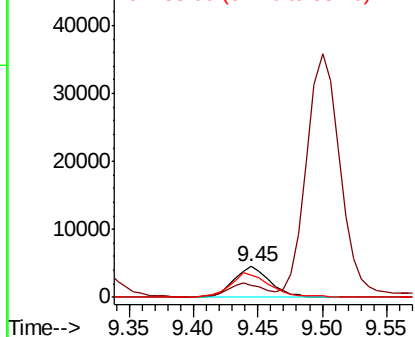
#49
1,4-Dioxane
Concen: 416.901 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion: 88 Resp: 8938
Ion Ratio Lower Upper
88 100
43 42.5 33.4 50.0
58 87.9 64.5 96.7

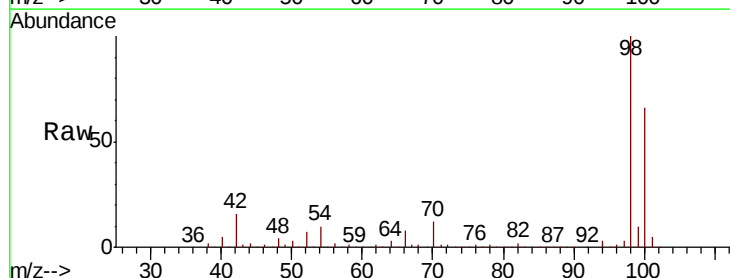


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

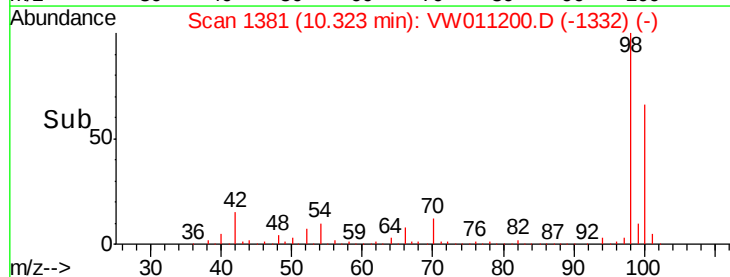
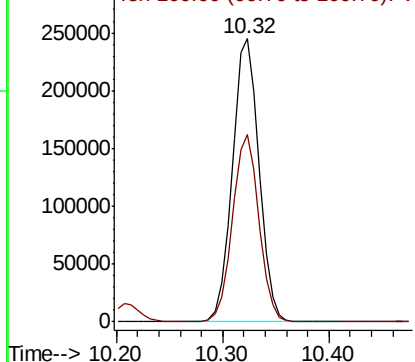


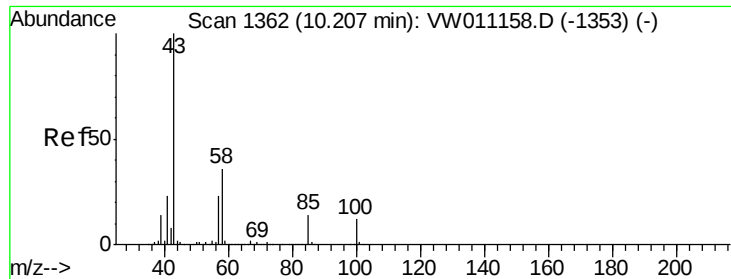
#50
Toluene-d8
Concen: 52.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 98 Resp: 430811
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



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: 106.741 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

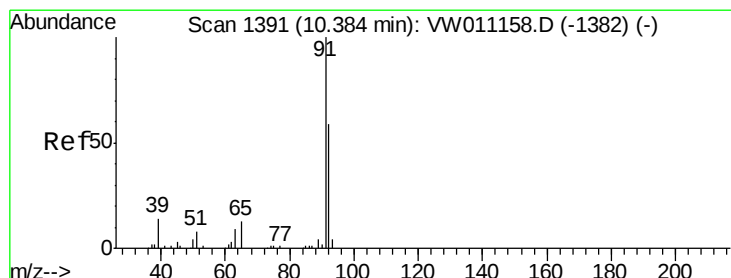
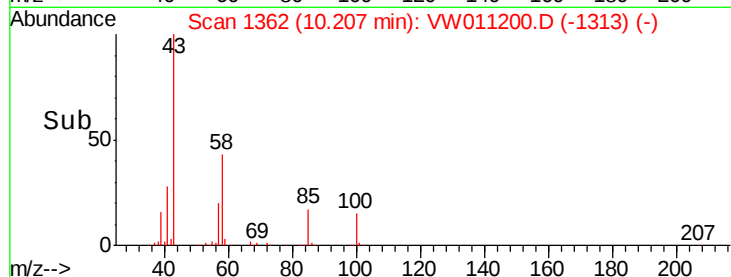
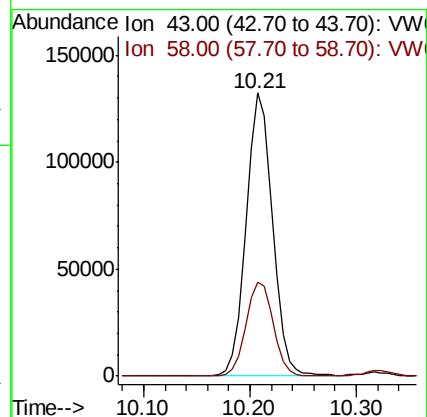
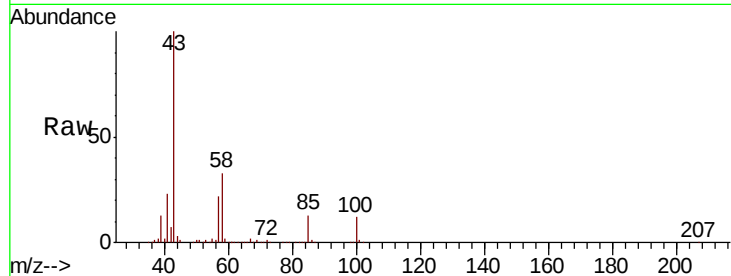
VW0711SBS01

Tot Ion: 43 Resp: 231089

Ion Ratio Lower Upper

43 100

58 34.2 28.2 42.2



#52

Toluene

Concen: 21.622 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011200.D

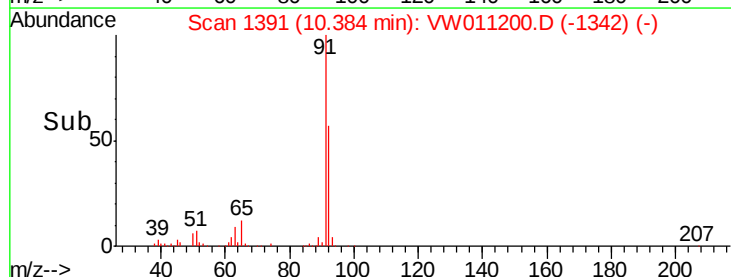
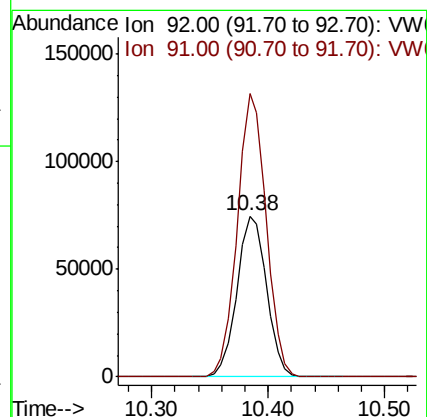
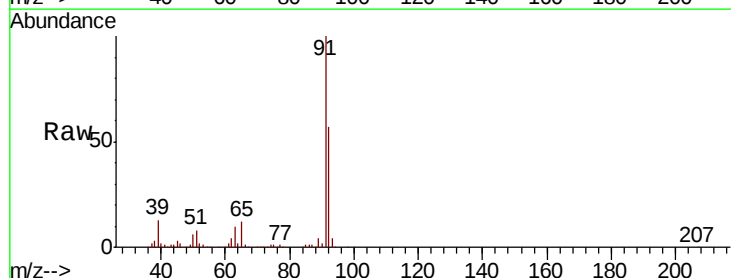
Acq: 10 Jul 2019 20:29

Tgt Ion: 92 Resp: 132434

Ion Ratio Lower Upper

92 100

91 172.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.907 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

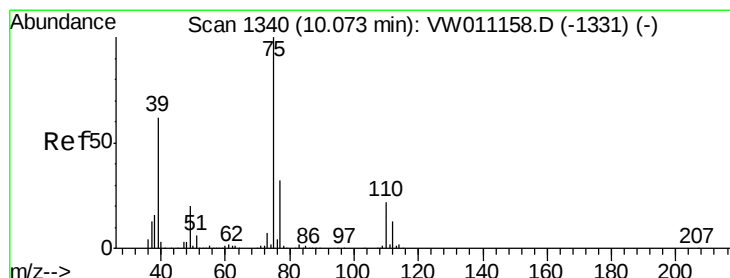
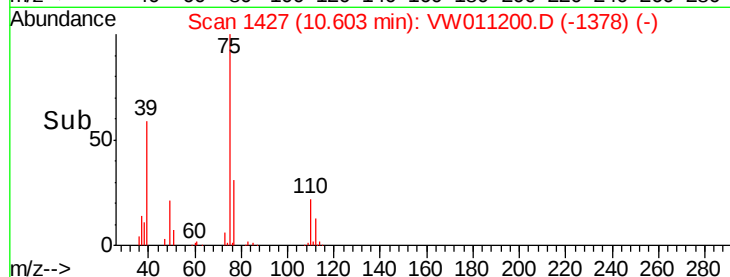
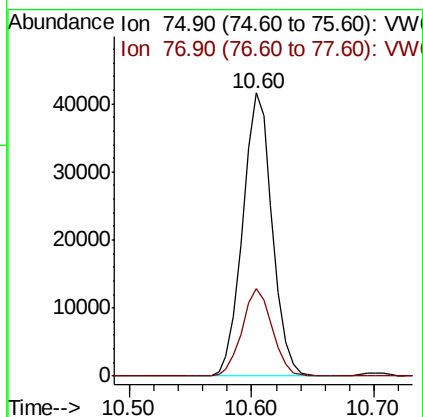
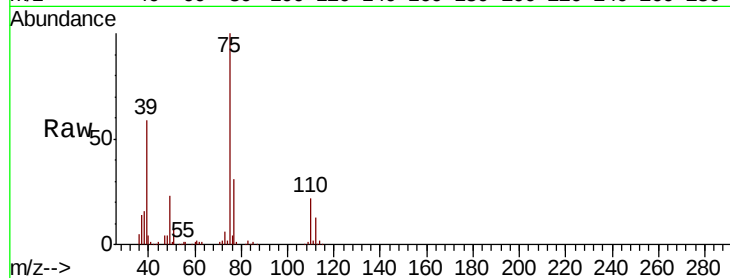
VW0711SBS01

Tot Ion: 75 Resp: 69637

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.226 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

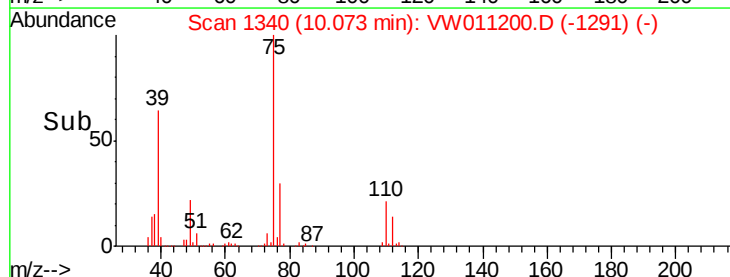
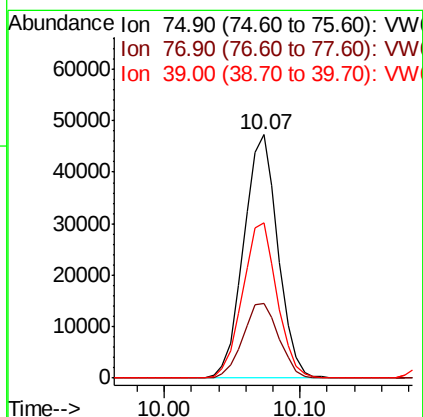
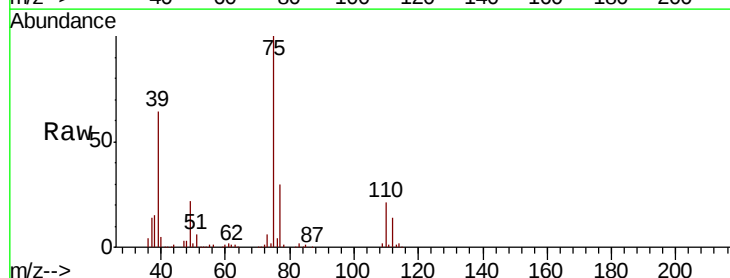
Tgt Ion: 75 Resp: 83279

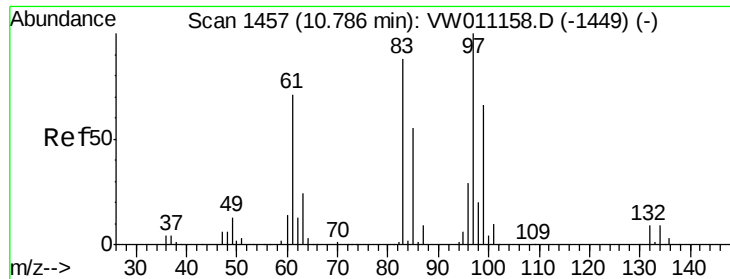
Ion Ratio Lower Upper

75 100

77 30.4 25.7 38.5

39 63.7 49.8 74.8

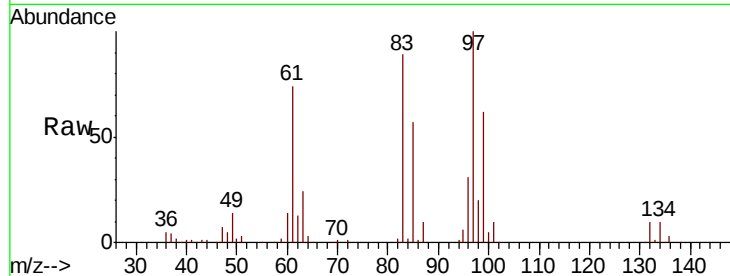




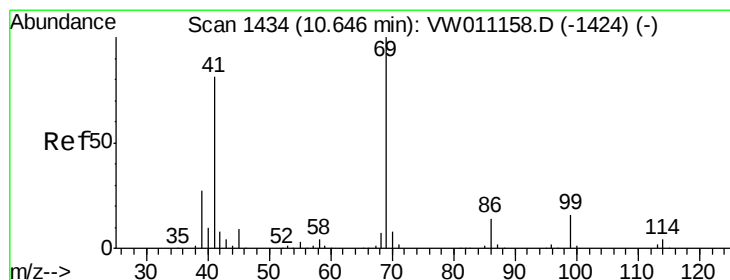
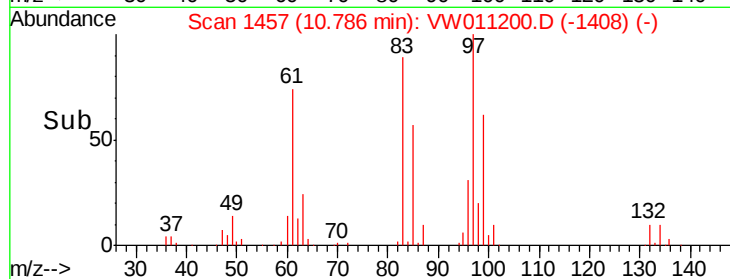
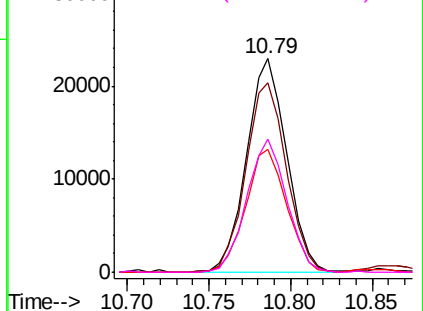
#55
 1,1,2-Trichloroethane
 Concen: 21.505 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion: 97 Resp: 39186
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.2 105.4
 85 57.4 44.2 66.2
 99 62.5 52.6 79.0

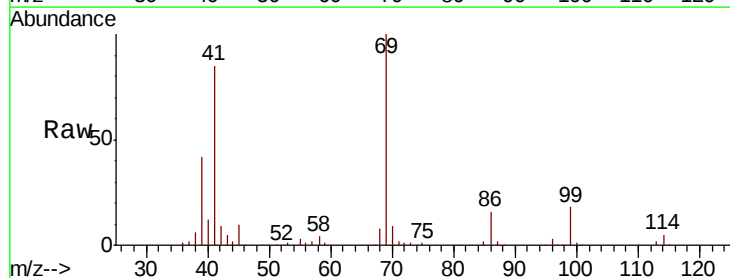


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

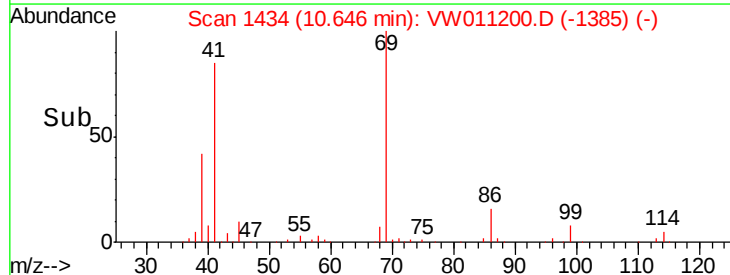
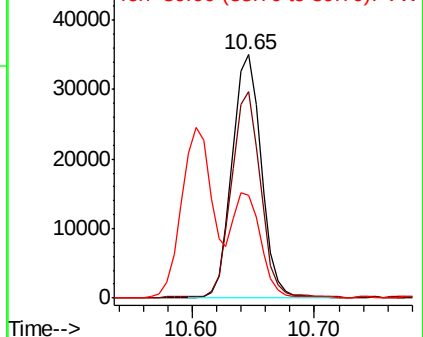


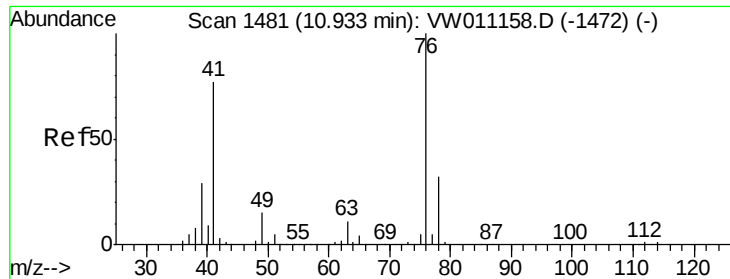
#56
 Ethyl methacrylate
 Concen: 20.922 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 69 Resp: 58040
 Ion Ratio Lower Upper
 69 100
 41 84.3 66.5 99.7
 39 40.6 32.5 48.7



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

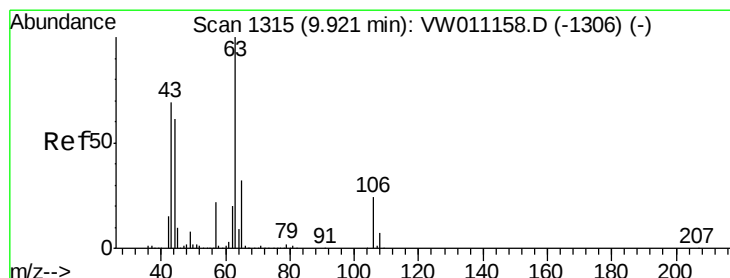
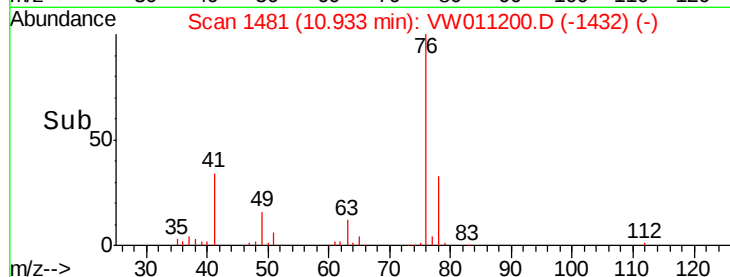
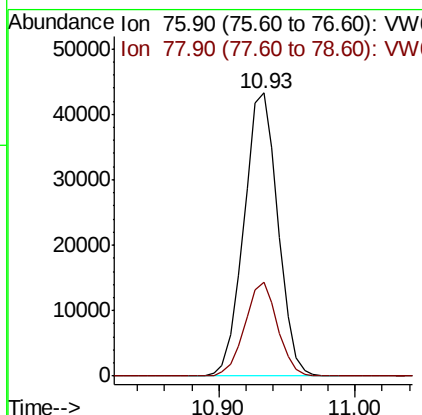
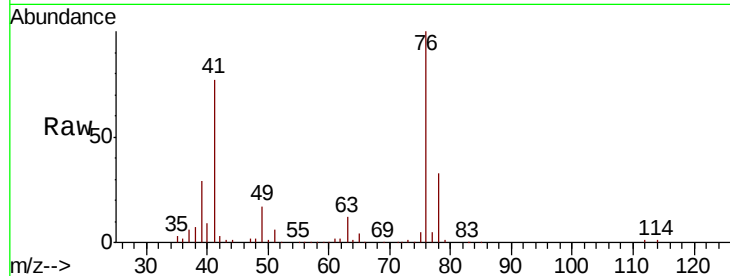




#57
 1,3-Dichloropropane
 Concen: 21.955 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

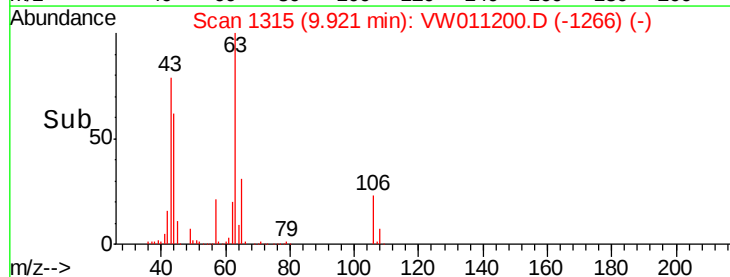
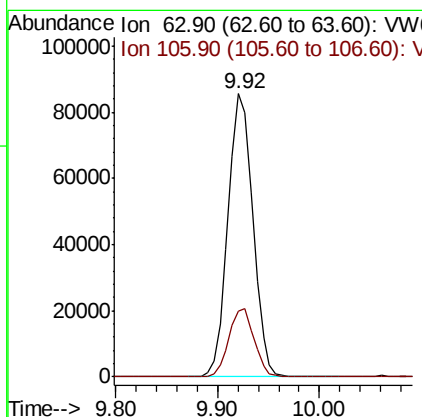
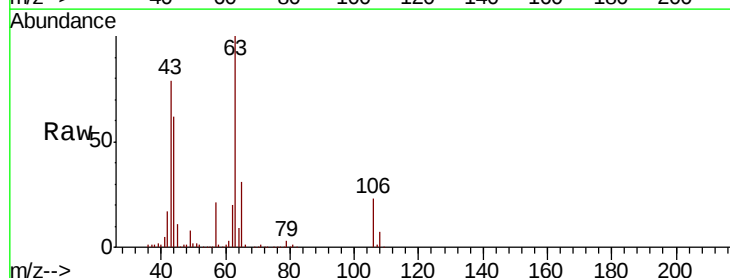
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

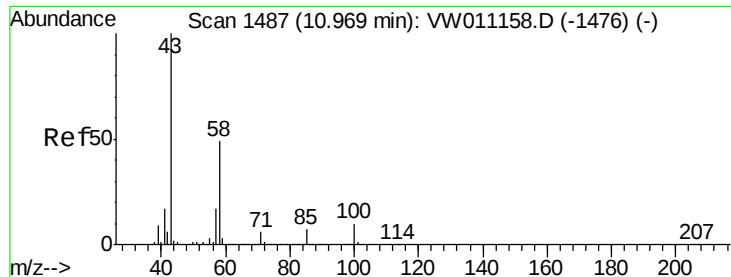
Tot Ion: 76 Resp: 75651
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.544 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 63 Resp: 144743
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





#59

2-Hexanone

Concen: 103.625 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

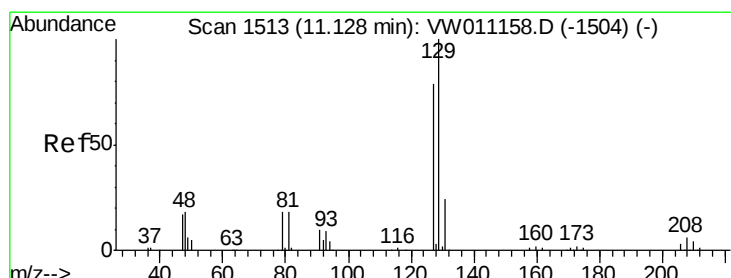
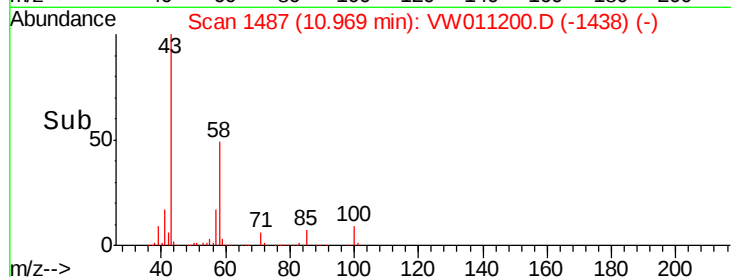
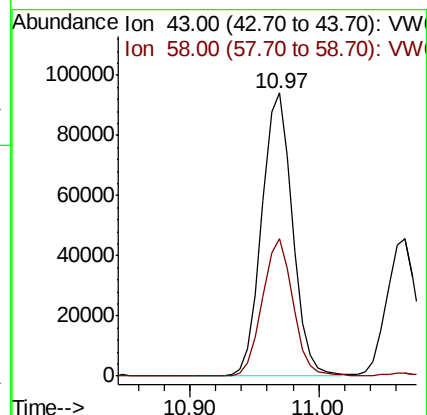
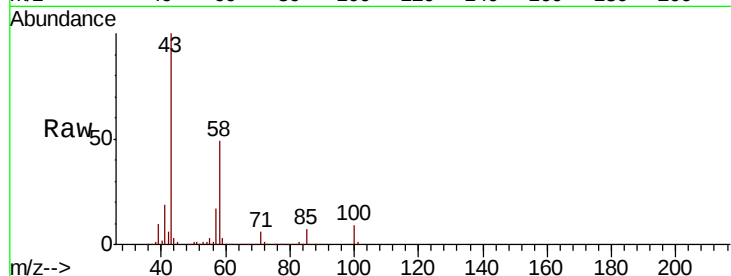
VW0711SBS01

Tot Ion: 43 Resp: 155582

Ion Ratio Lower Upper

43 100

58 48.4 24.4 73.4



#60

Dibromochloromethane

Concen: 21.147 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011200.D

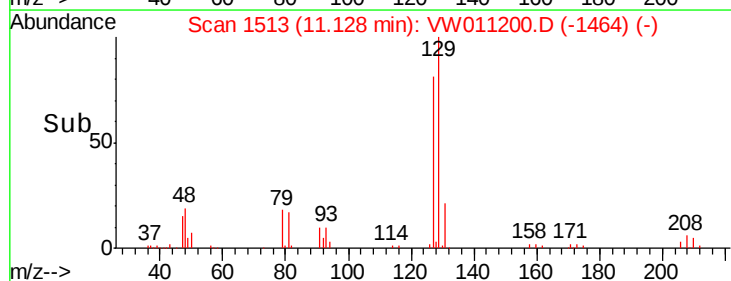
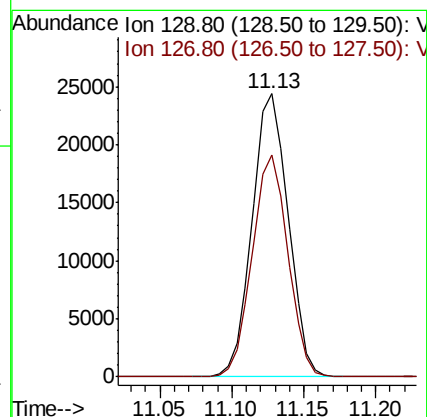
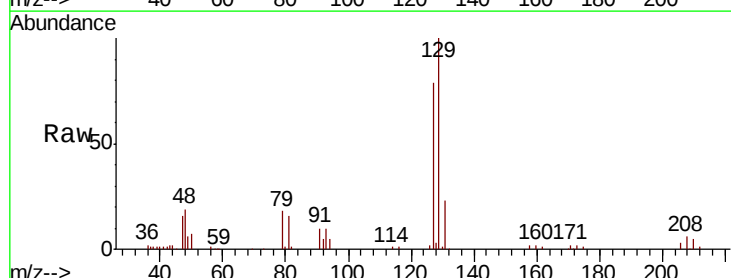
Acq: 10 Jul 2019 20:29

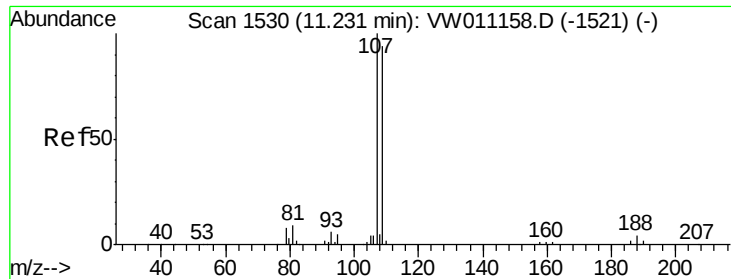
Tgt Ion: 129 Resp: 42253

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.3

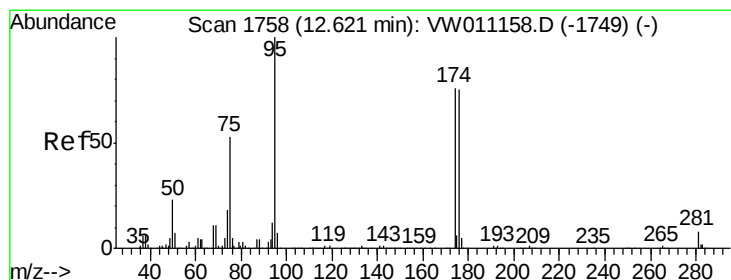
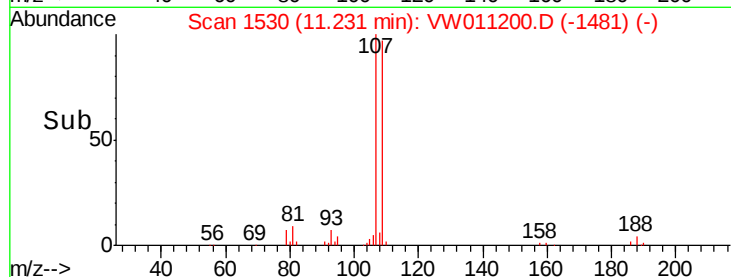
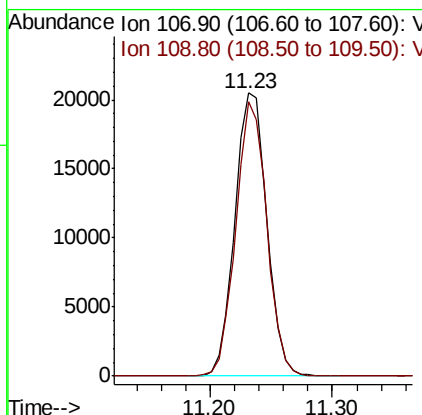
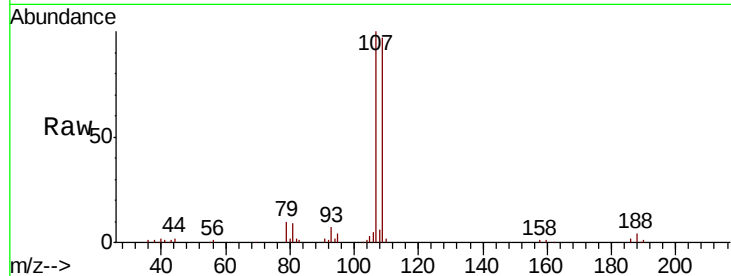




#61
 1,2-Dibromoethane
 Concen: 21.467 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

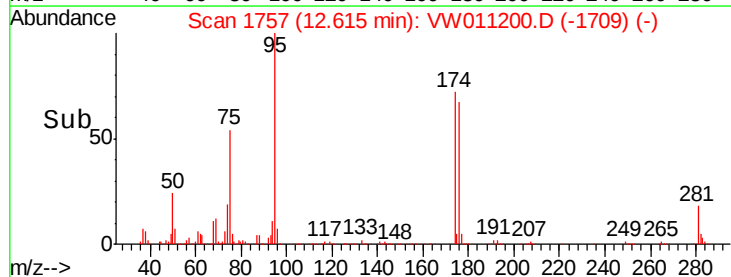
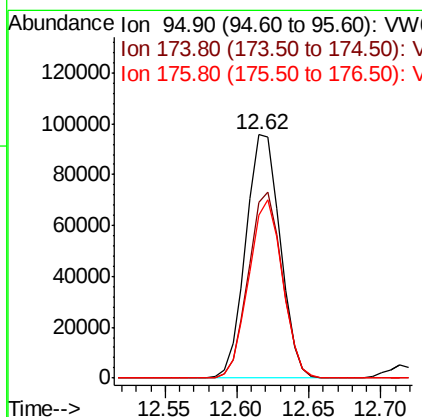
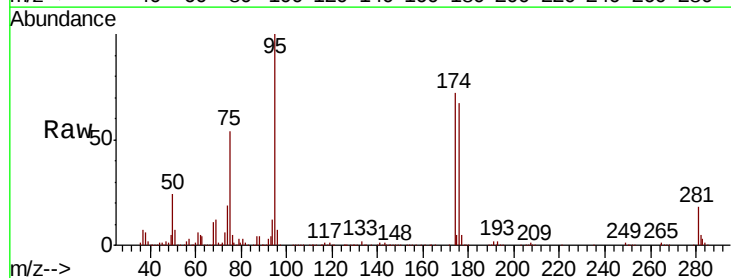
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

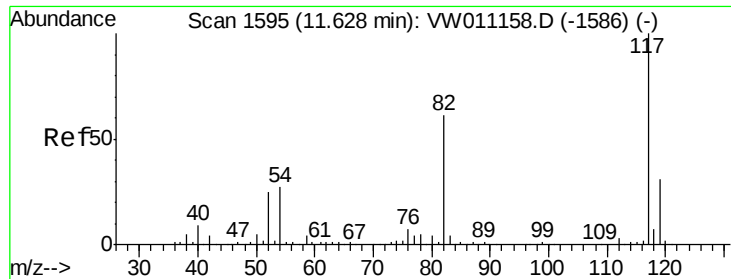
Tot Ion:107 Resp: 37052
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.173 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 95 Resp: 158073
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.6
 176 71.8 0.0 144.6

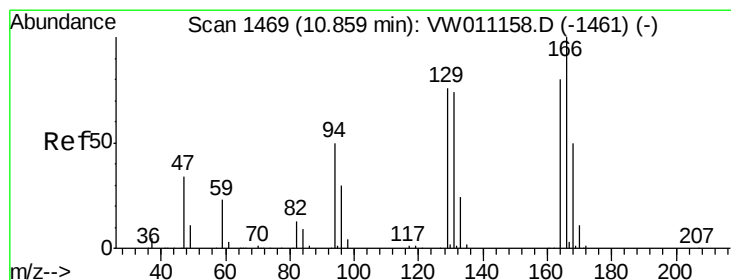
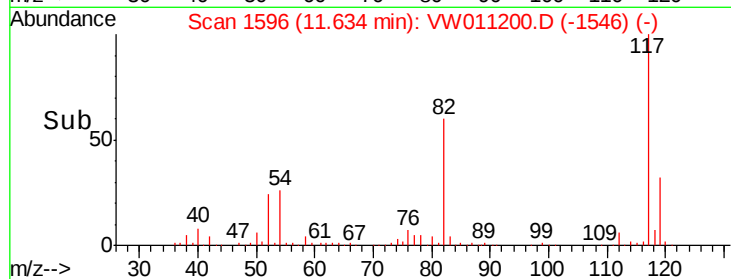
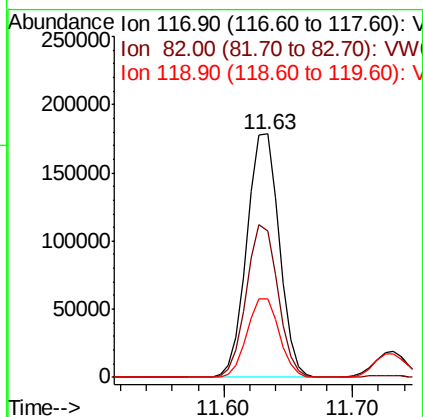
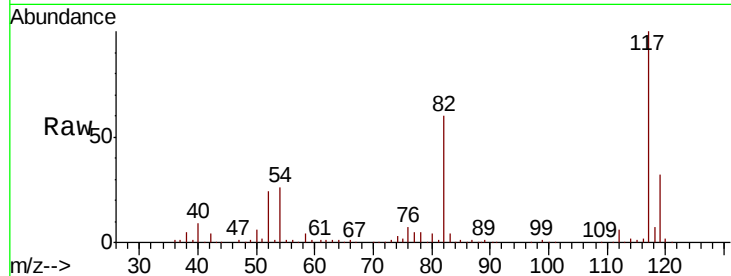




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

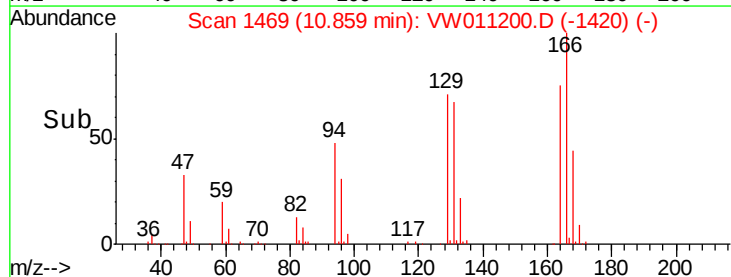
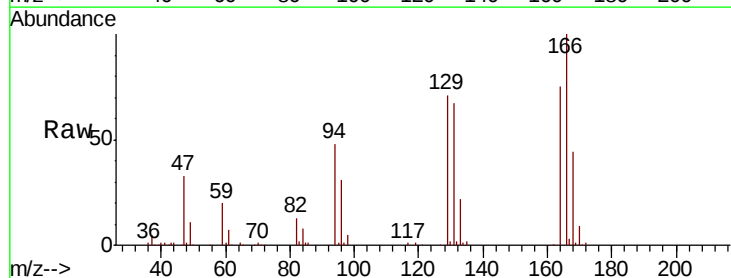
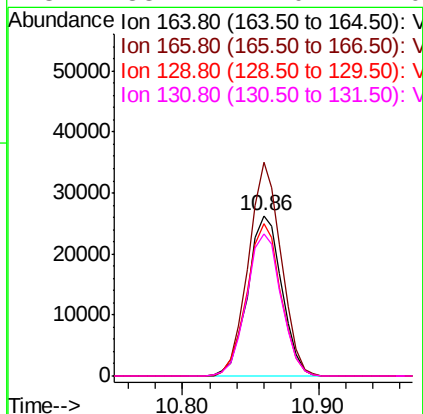
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

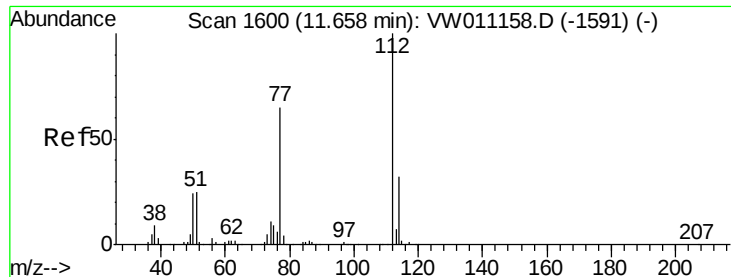
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.9	73.3
119	32.3	25.0	37.6



#64
Tetrachloroethene
Concen: 22.121 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.3	99.7	149.5
129	94.7	76.2	114.2
131	88.7	74.0	111.0





#65

Chlorobenzene

Concen: 21.288 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

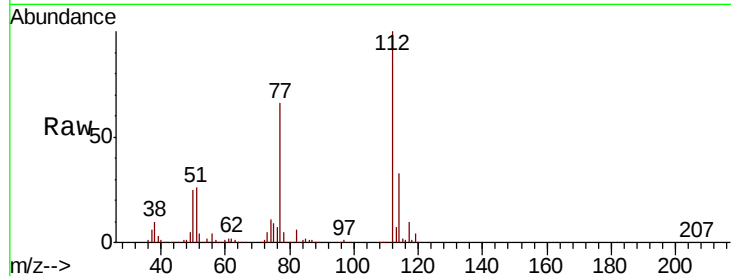
VW0711SBS01

Tot Ion:112 Resp: 133871

Ion Ratio Lower Upper

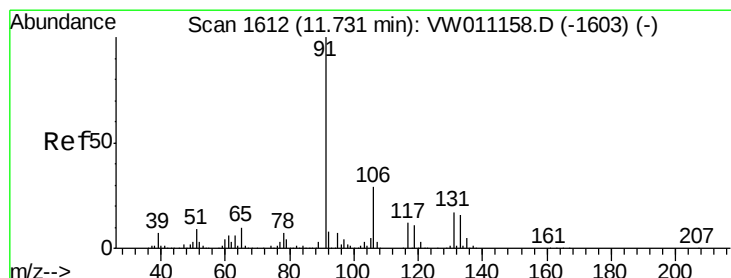
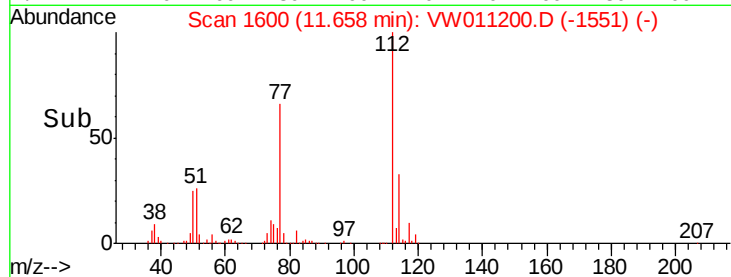
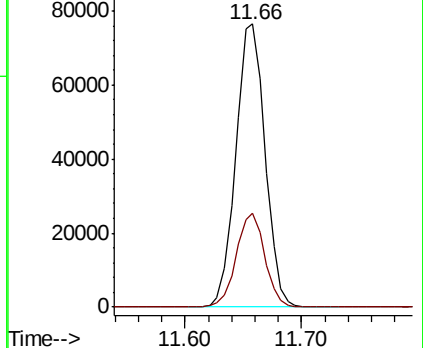
112 100

114 33.3 25.5 38.3



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: 20.990 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

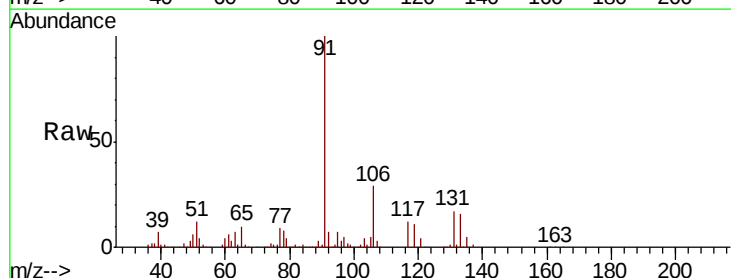
Tgt Ion:131 Resp: 46475

Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.8

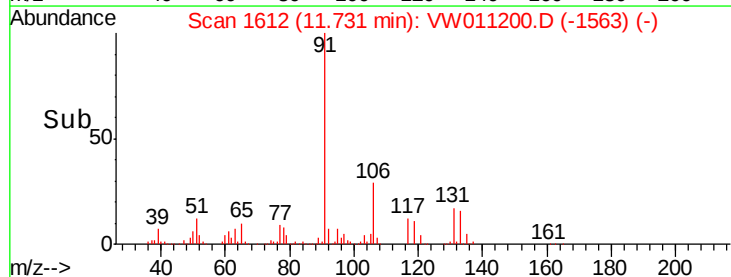
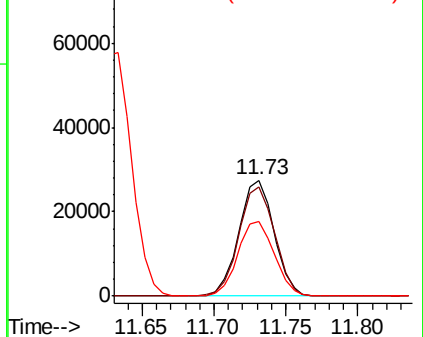
119 66.7 33.1 99.2

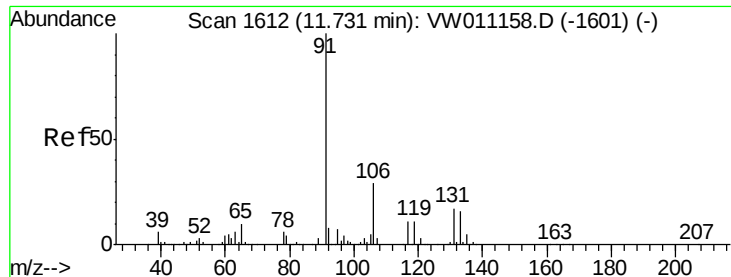


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

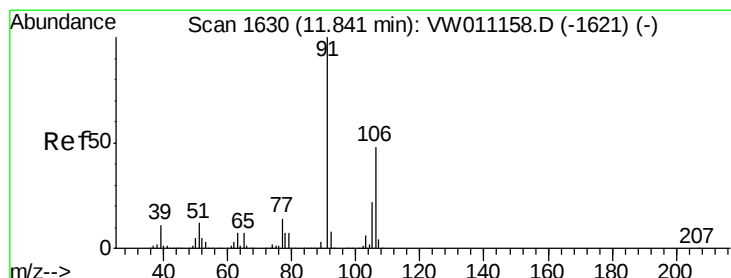
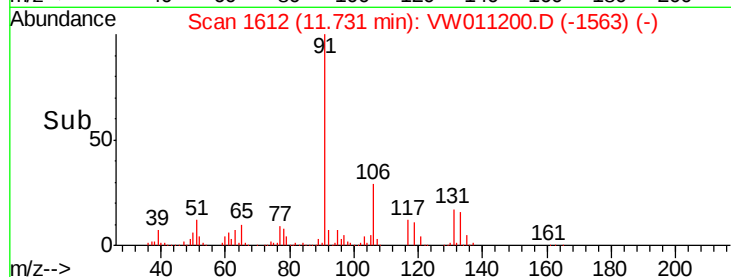
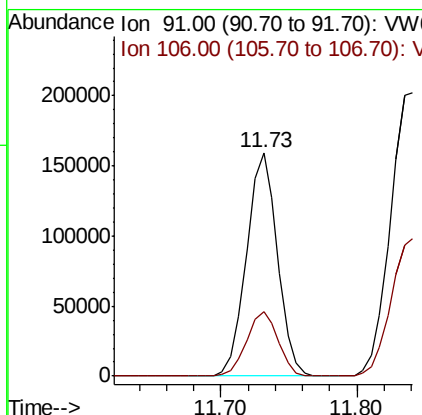
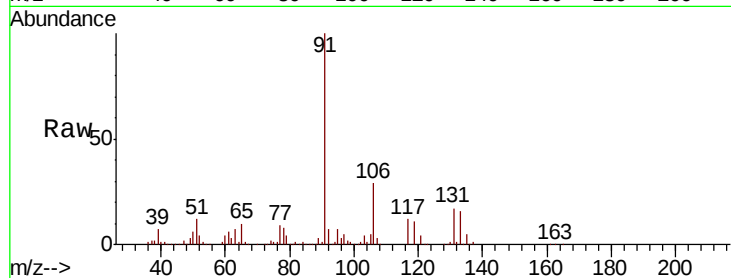




#67
Ethyl Benzene
Concen: 21.068 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

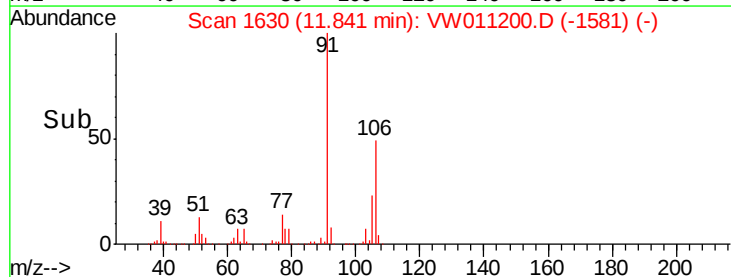
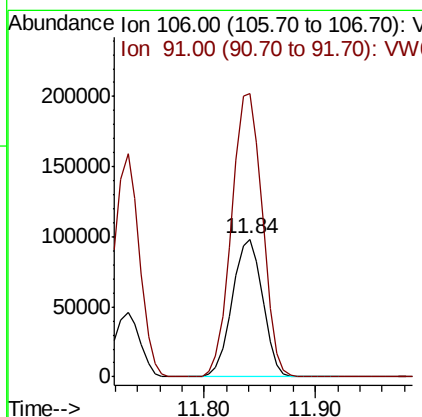
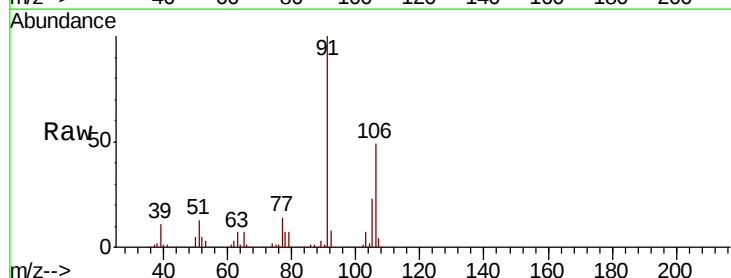
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

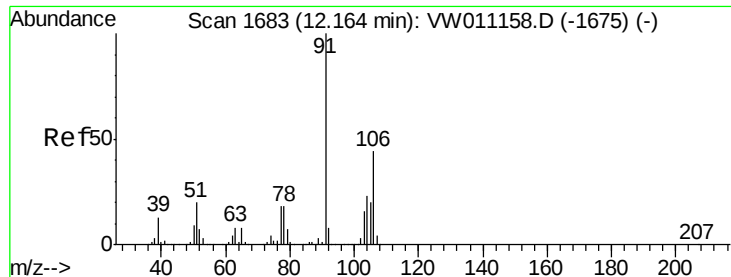
Tot Ion: 91 Resp: 253624
Ion Ratio Lower Upper
91 100
106 29.0 23.5 35.3



#68
m/p-Xylenes
Concen: 42.587 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 106 Resp: 185506
Ion Ratio Lower Upper
106 100
91 208.8 167.7 251.5

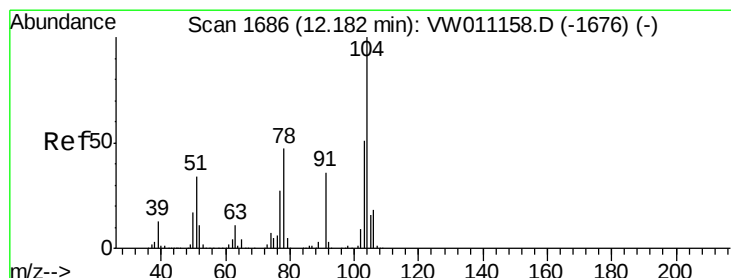
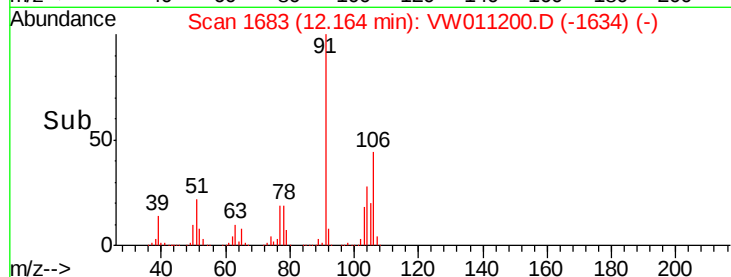
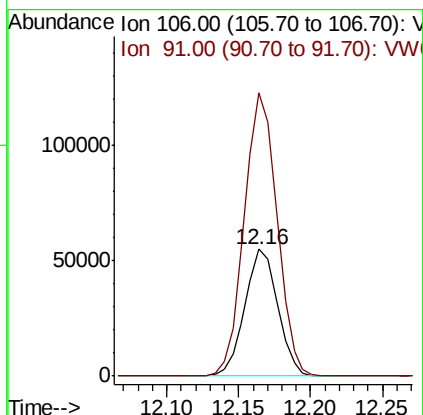
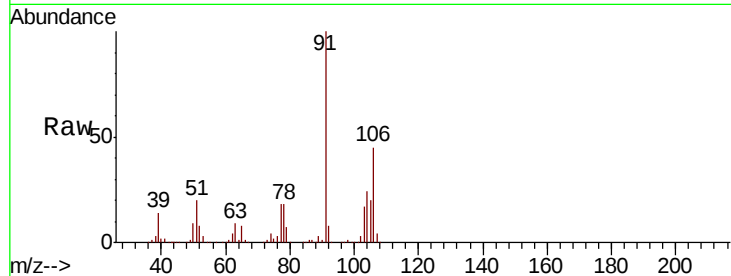




#69
o-Xylene
Concen: 21.134 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

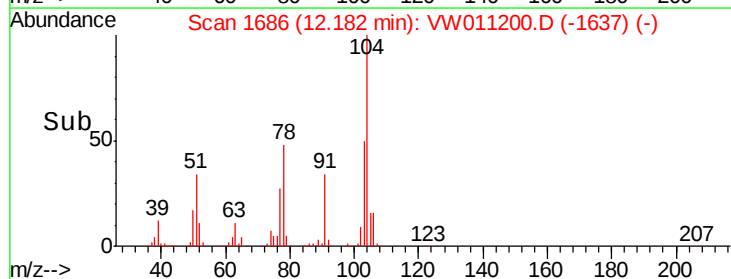
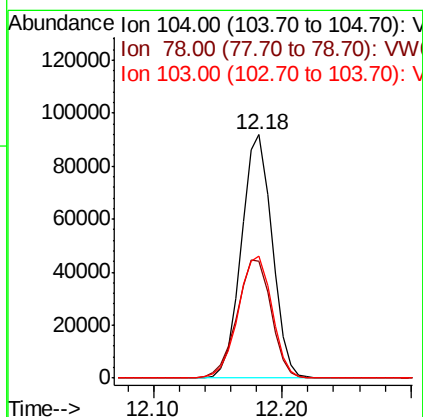
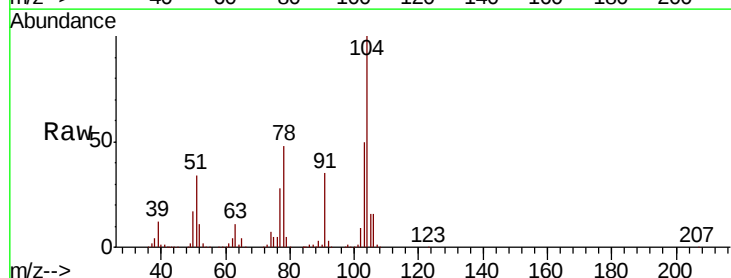
Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

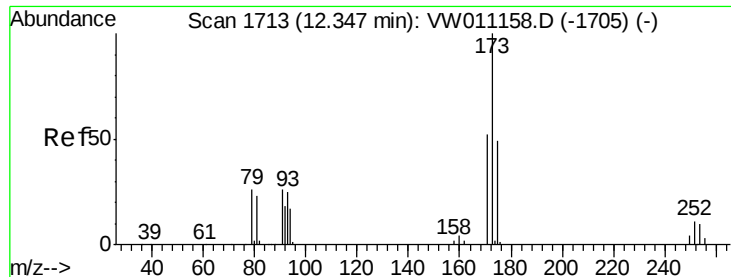
Tot Ion:106 Resp: 86765
Ion Ratio Lower Upper
106 100
91 222.9 110.7 332.1



#70
Styrene
Concen: 21.376 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:104 Resp: 151459
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 55.1 44.1 66.1

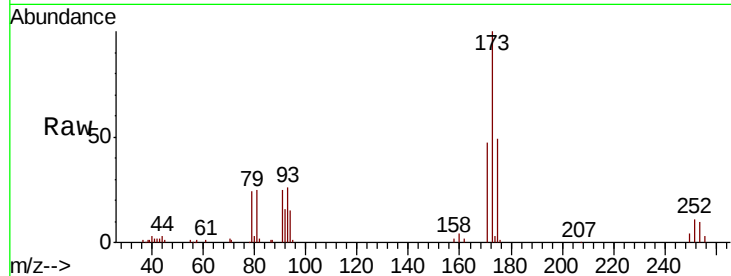




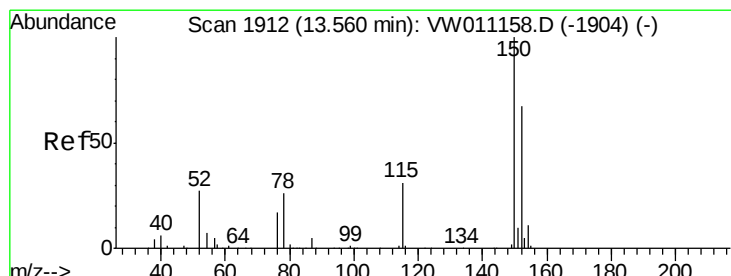
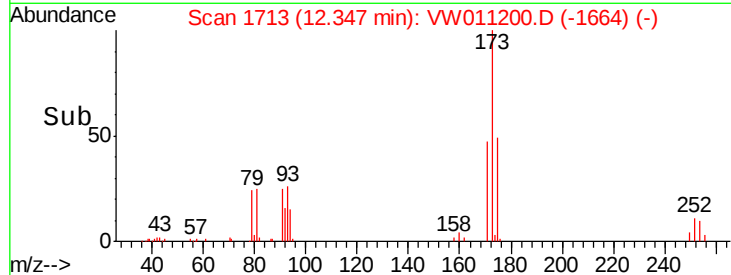
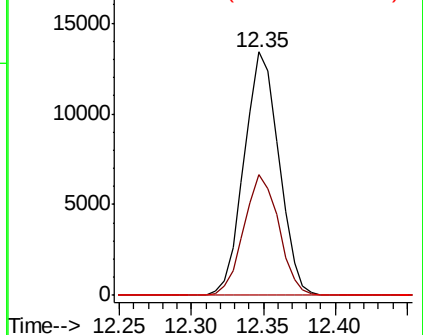
#71
Bromoform
Concen: 19.108 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion:173 Resp: 22495
Ion Ratio Lower Upper
173 100
175 49.7 24.8 74.3
254 0.0 0.0 0.0

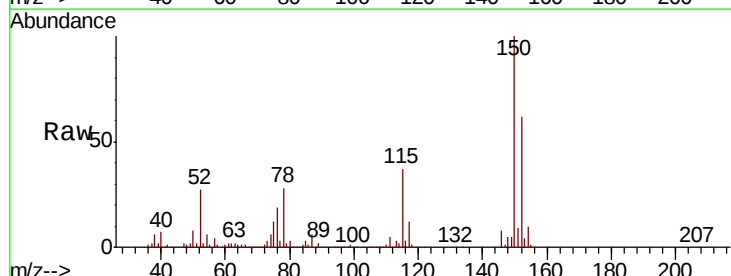


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

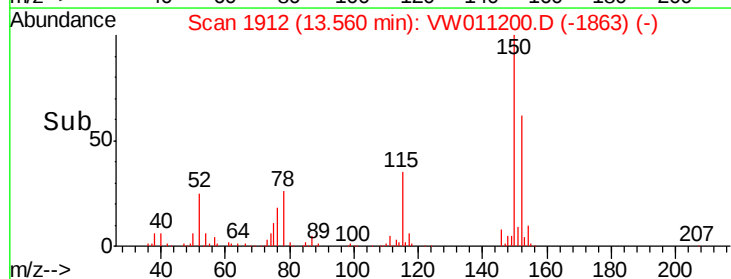
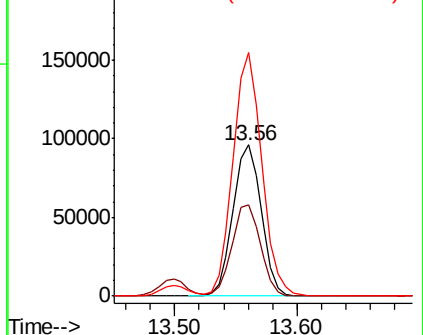


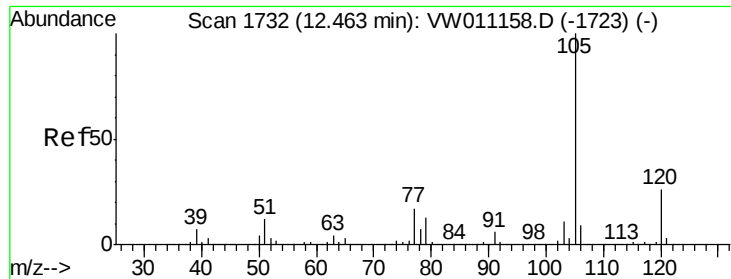
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:152 Resp: 153427
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 163.9 0.0 346.0



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: 20.511 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

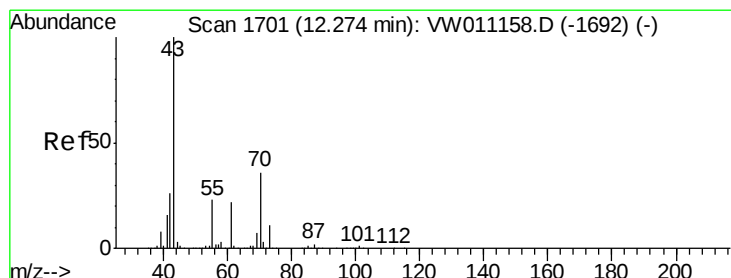
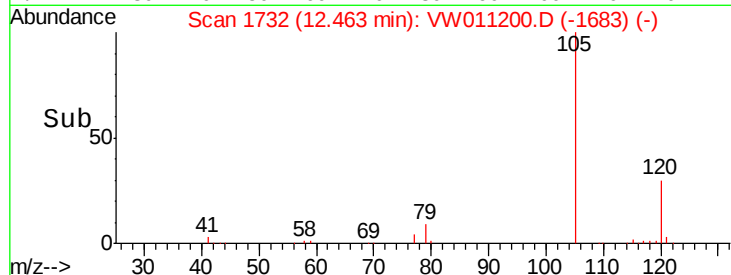
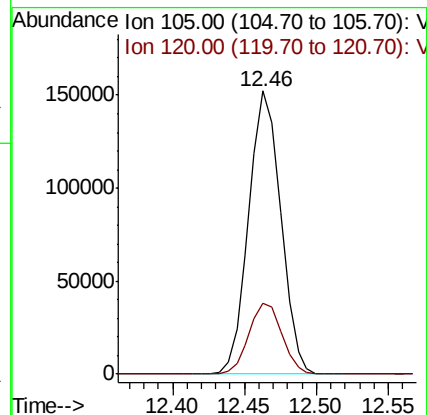
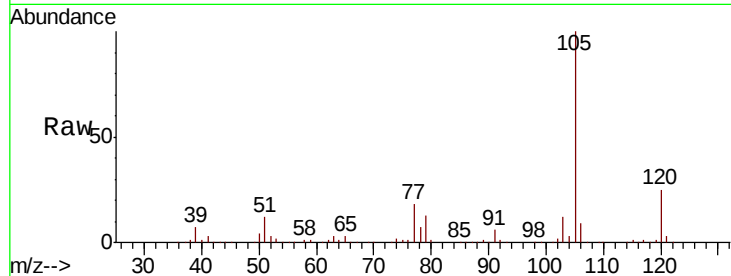
VW0711SBS01

Tot Ion:105 Resp: 235242

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#74

N-ethyl acetate

Concen: 20.109 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion: 43 Resp: 80325

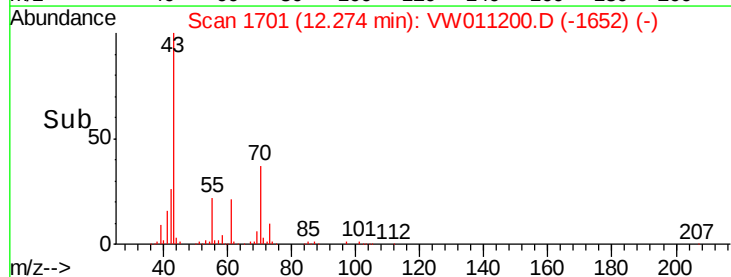
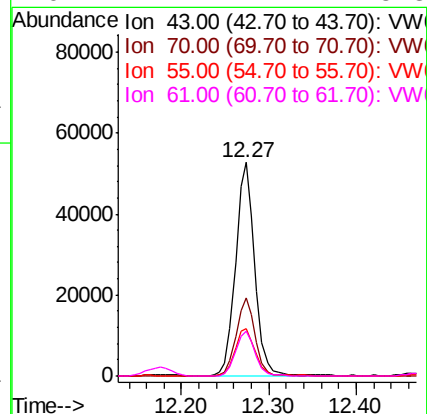
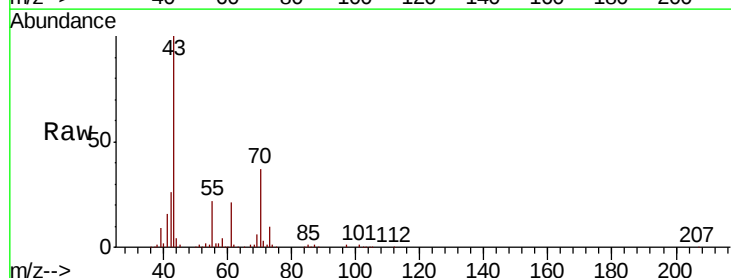
Ion Ratio Lower Upper

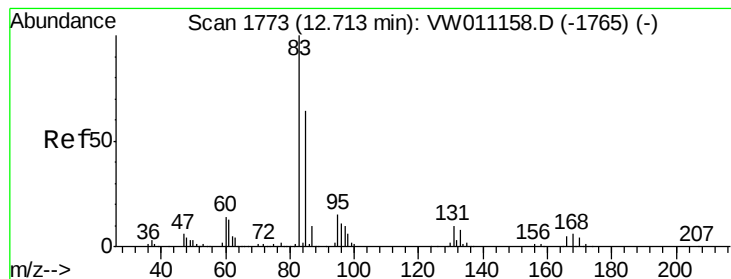
43 100

70 36.2 28.5 42.7

55 23.5 18.1 27.1

61 21.7 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.984 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

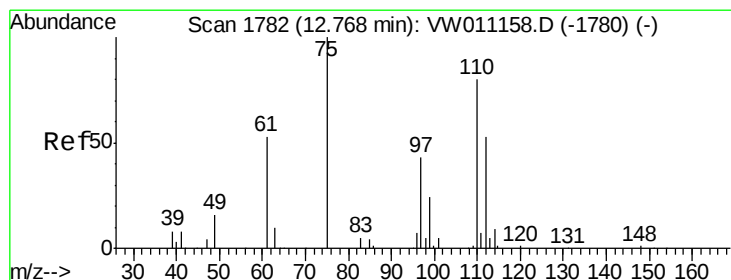
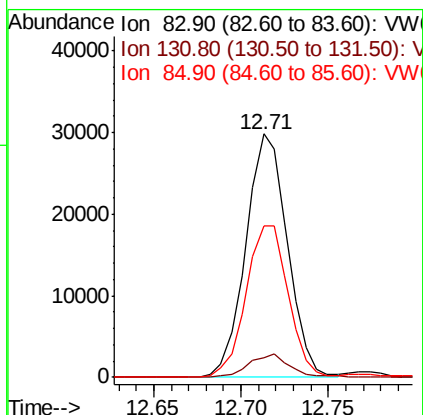
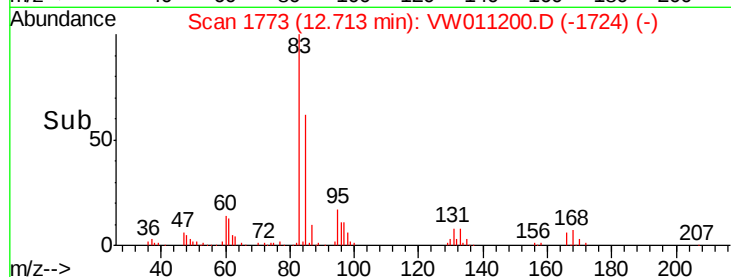
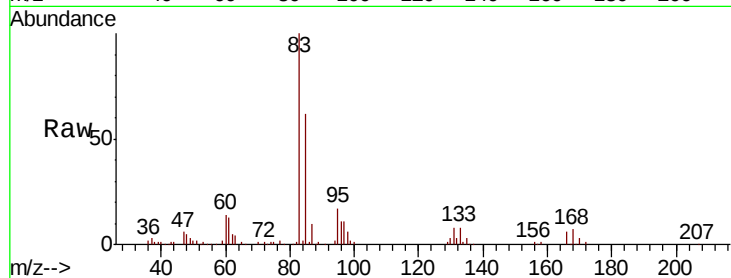
Tot Ion: 83 Resp: 49334

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

85 63.6 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 34.918 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011200.D

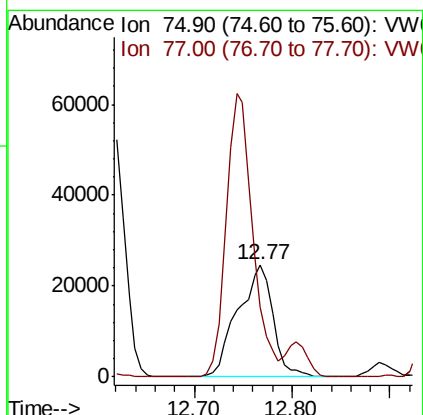
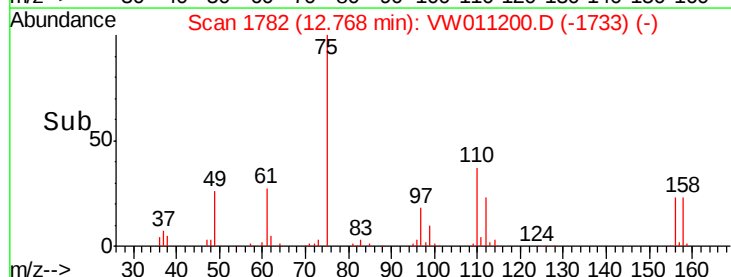
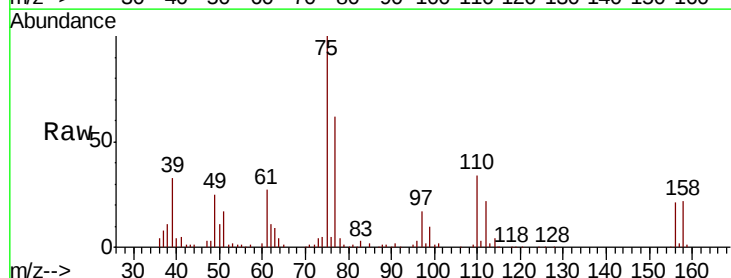
Acq: 10 Jul 2019 20:29

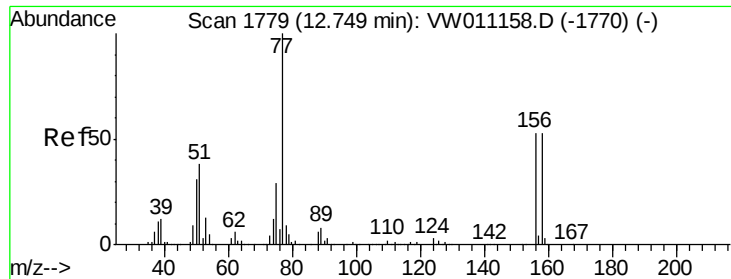
Tgt Ion: 75 Resp: 61912

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.762 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

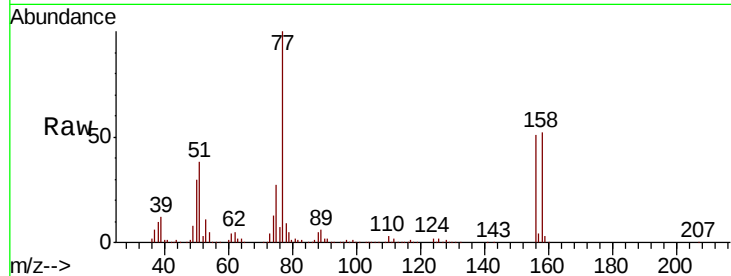
Tot Ion:156 Resp: 53440

Ion Ratio Lower Upper

156 100

77 219.3 109.0 327.0

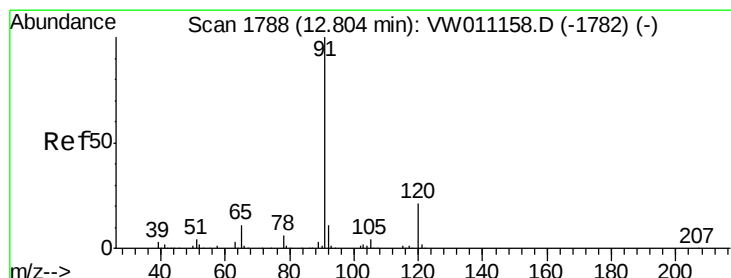
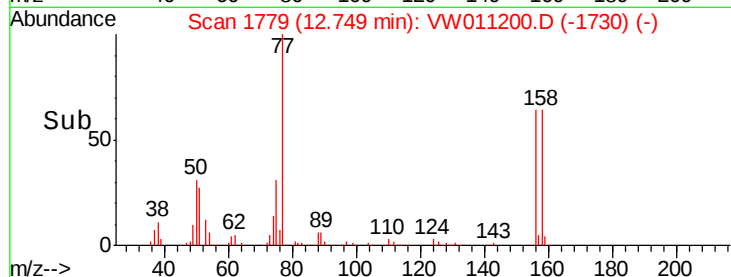
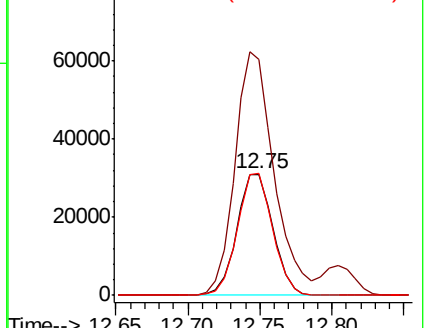
158 99.0 48.8 146.3



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: 20.582 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011200.D

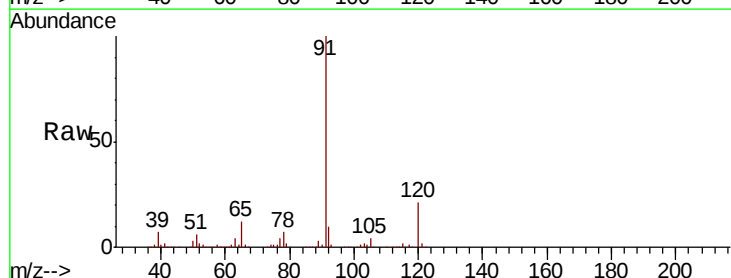
Acq: 10 Jul 2019 20:29

Tgt Ion: 91 Resp: 290790

Ion Ratio Lower Upper

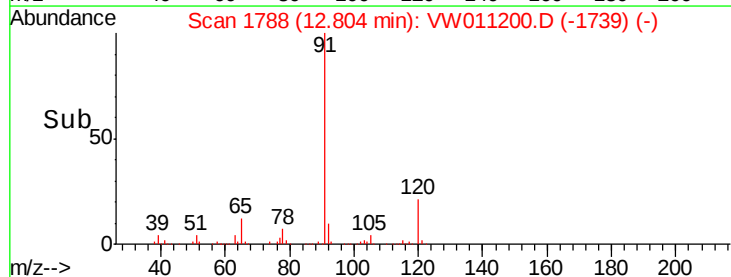
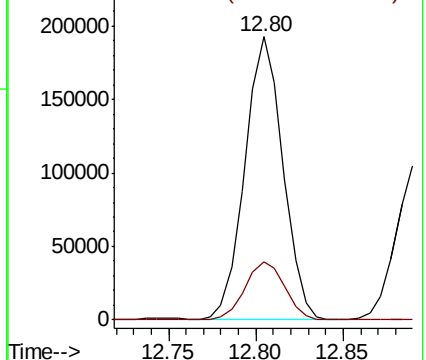
91 100

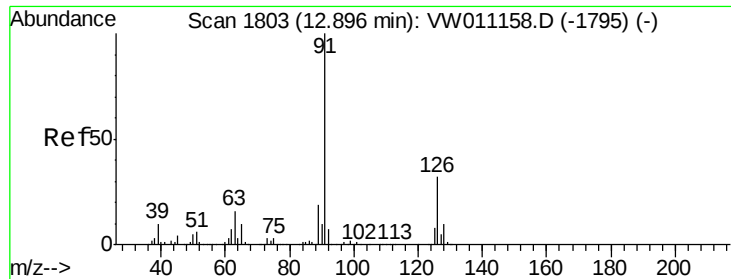
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

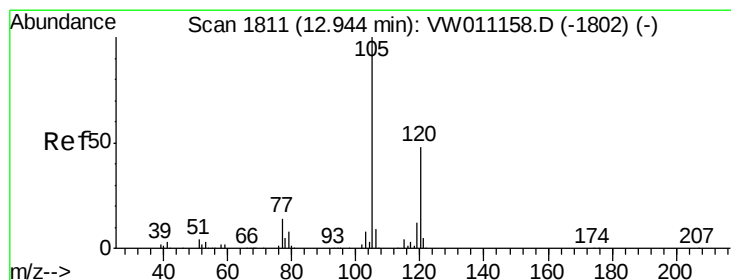
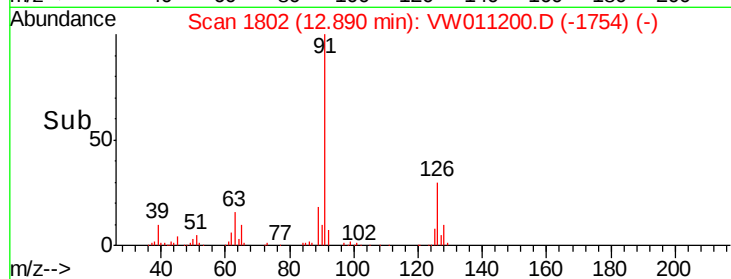
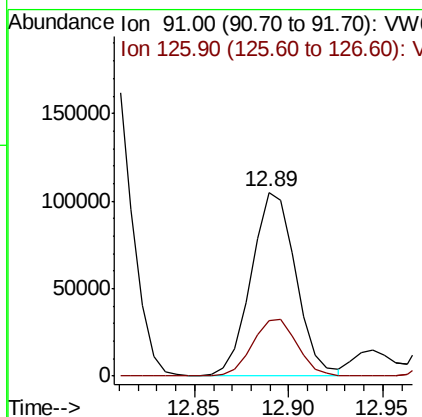
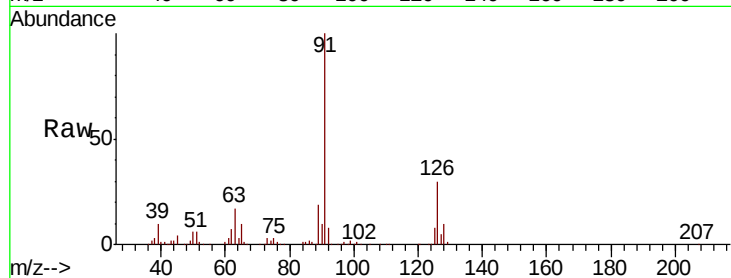




#79
2-Chlorotoluene
Concen: 21.132 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

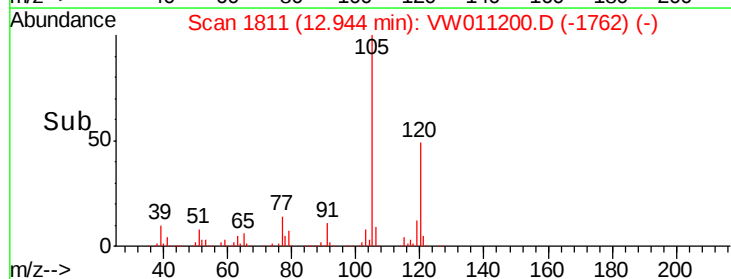
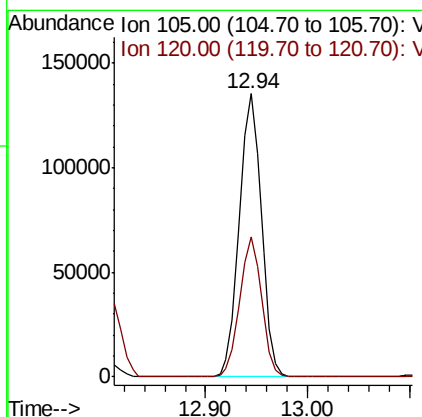
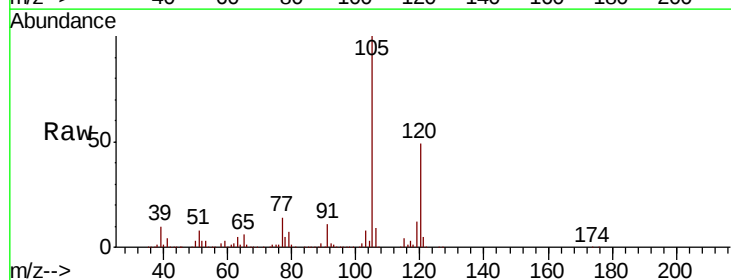
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

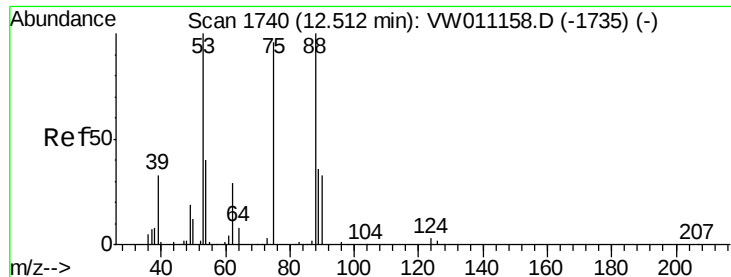
Tot Ion: 91 Resp: 171809
Ion Ratio Lower Upper
91 100
126 31.4 15.8 47.3



#80
1,3,5-Trimethylbenzene
Concen: 20.821 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 105 Resp: 202872
Ion Ratio Lower Upper
105 100
120 48.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.394 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

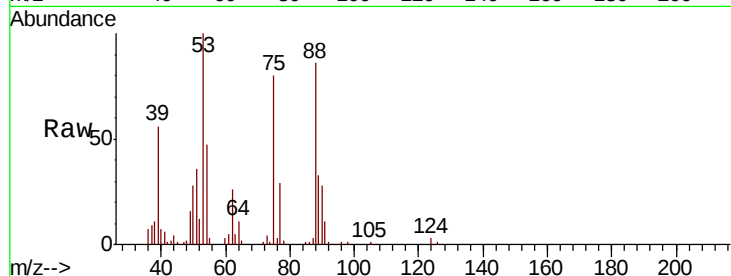
MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 75 Resp: 13635

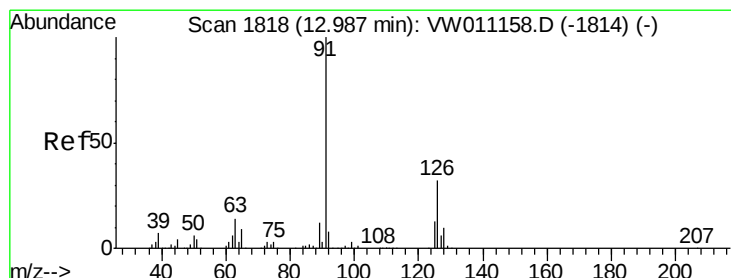
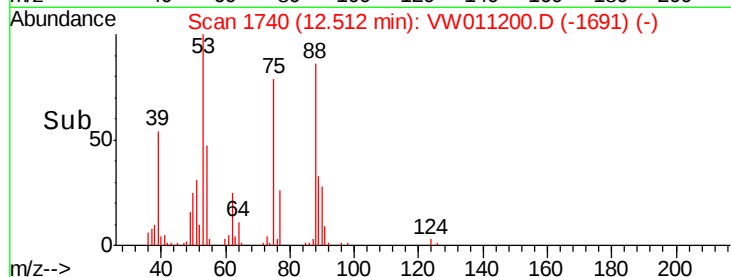
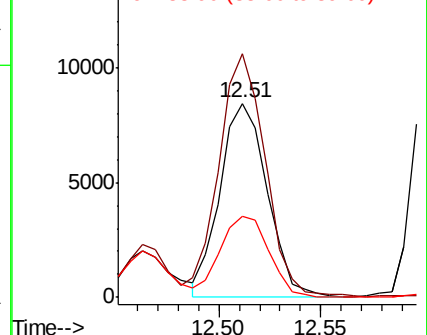
Ion	Ratio	Lower	Upper
75	100		
53	123.8	89.8	134.6
89	43.1	34.3	51.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.937 ug/l

RT: 12.99 min Scan# 1818

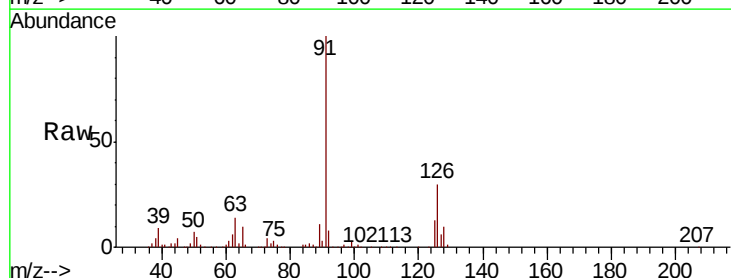
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

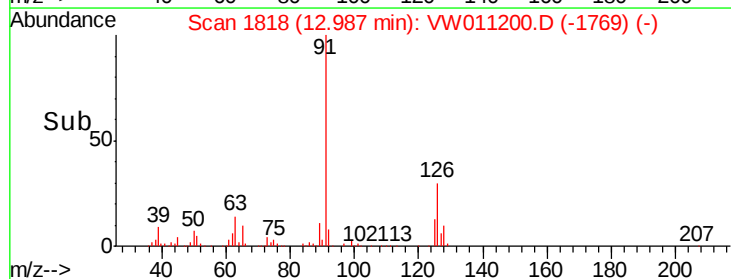
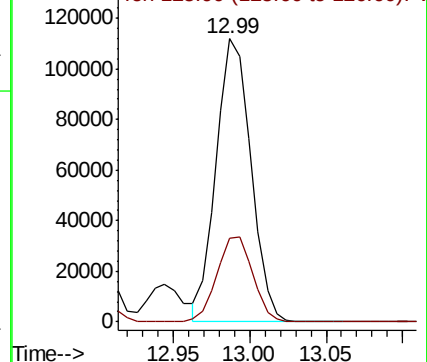
Tgt Ion: 91 Resp: 177294

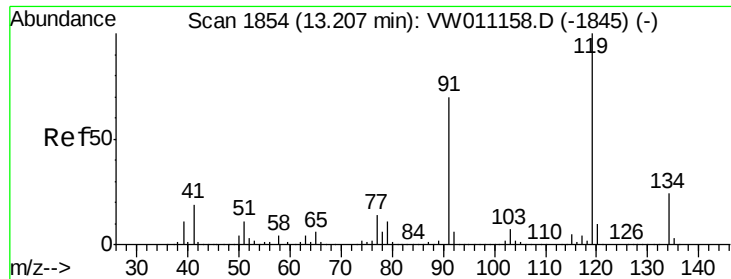
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

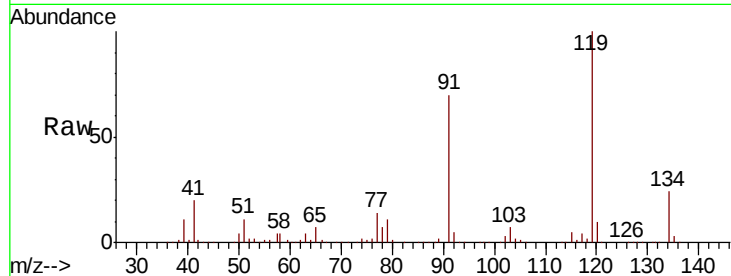




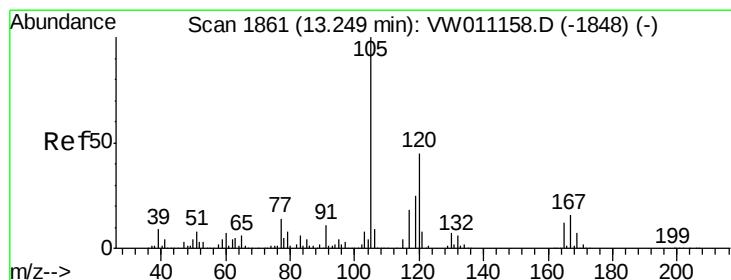
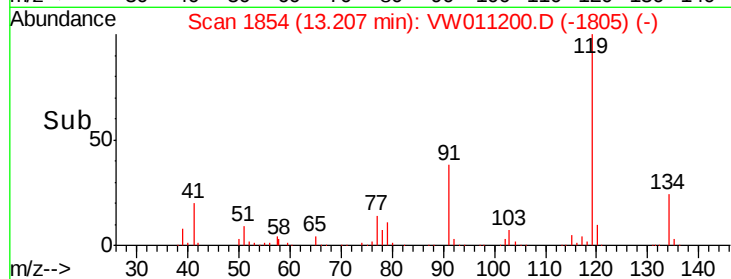
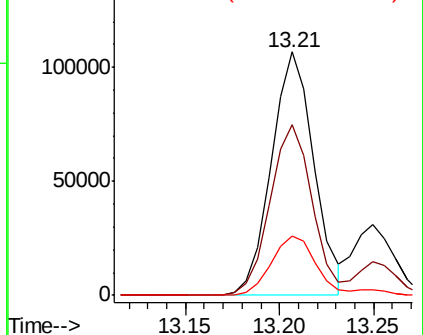
#83
tert-Butylbenzene
Concen: 20.556 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion:119 Resp: 167045
Ion Ratio Lower Upper
119 100
91 69.4 35.4 106.3
134 25.4 13.4 40.2

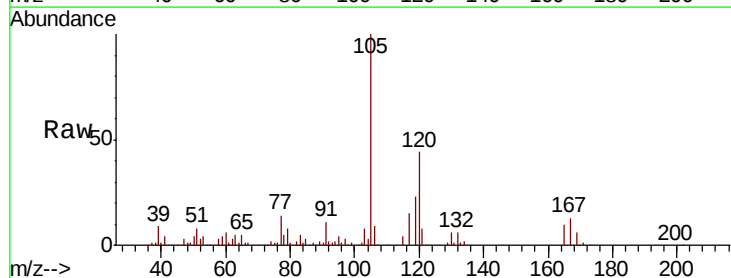


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

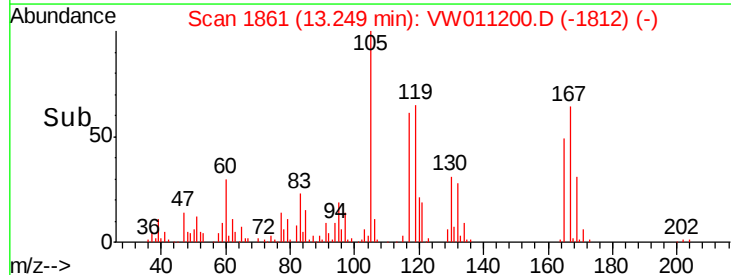
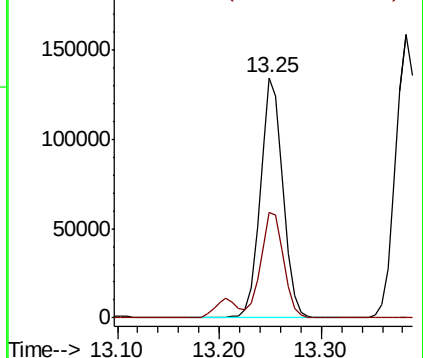


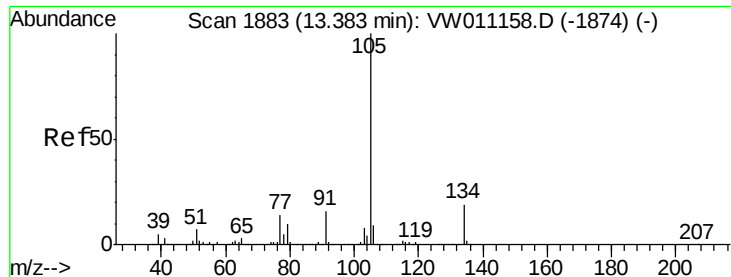
#84
1,2,4-Trimethylbenzene
Concen: 21.224 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:105 Resp: 207650
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 20.597 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

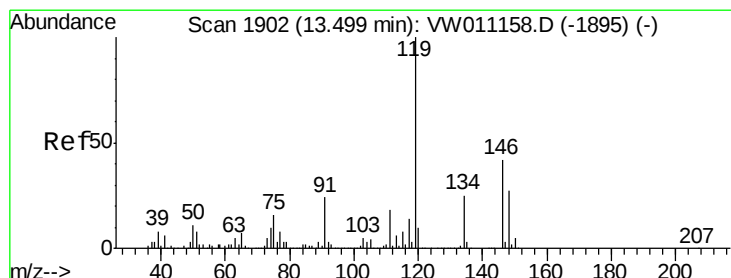
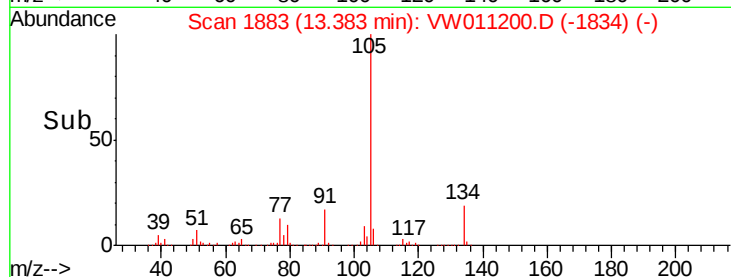
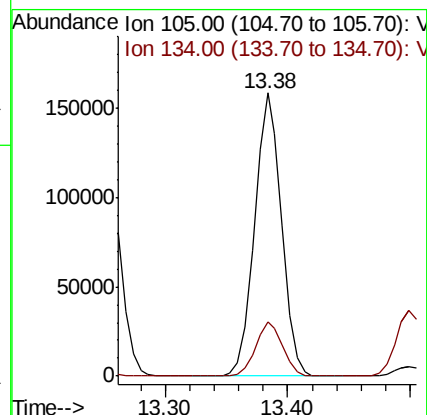
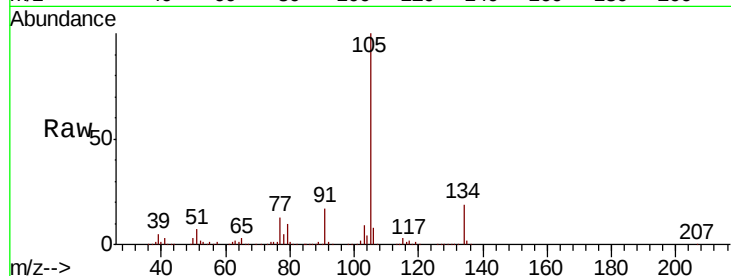
VW0711SBS01

Tot Ion:105 Resp: 241512

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



#86

p-Isopropyltoluene

Concen: 20.620 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

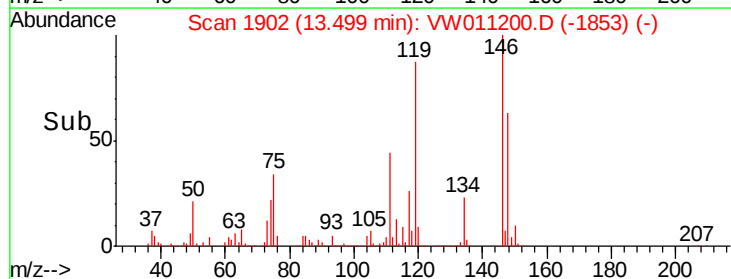
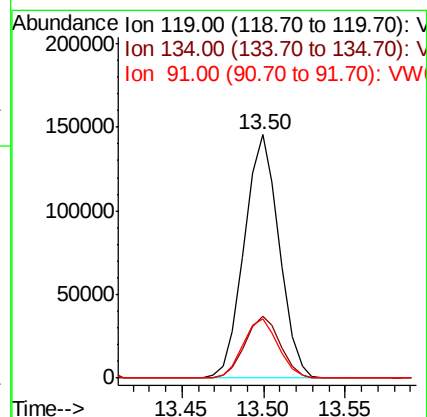
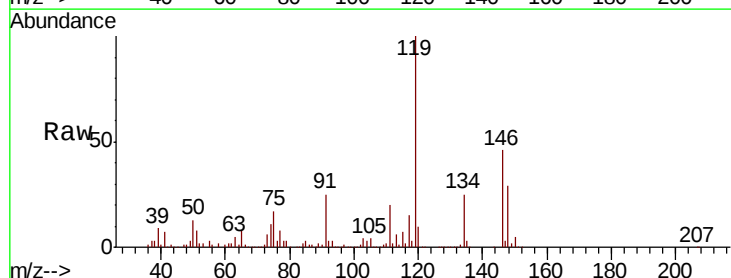
Tgt Ion:119 Resp: 216858

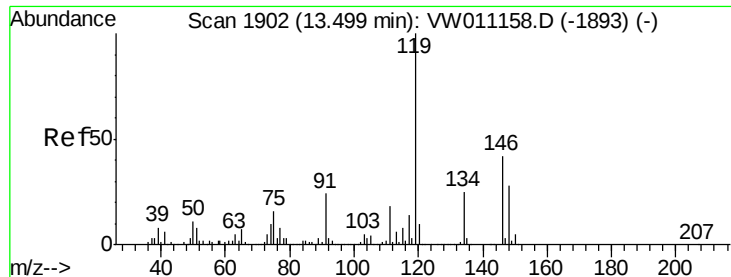
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 21.454 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

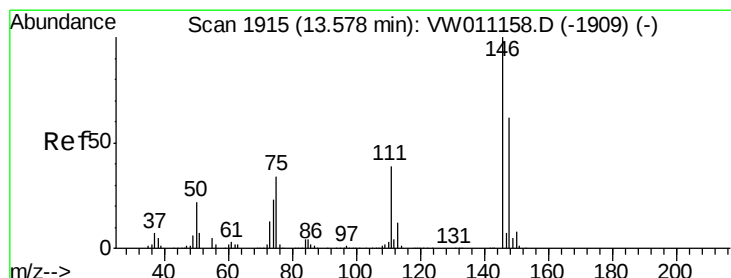
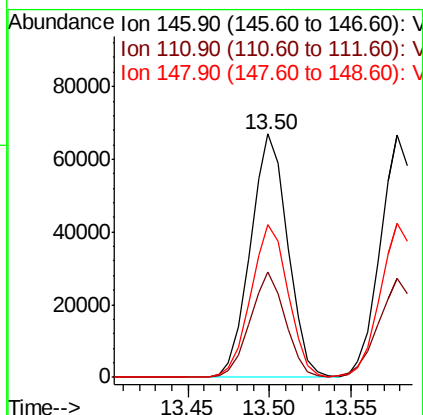
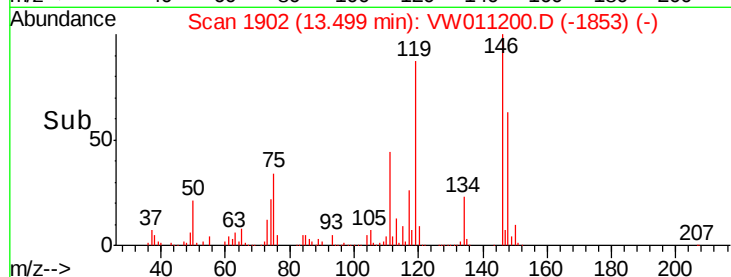
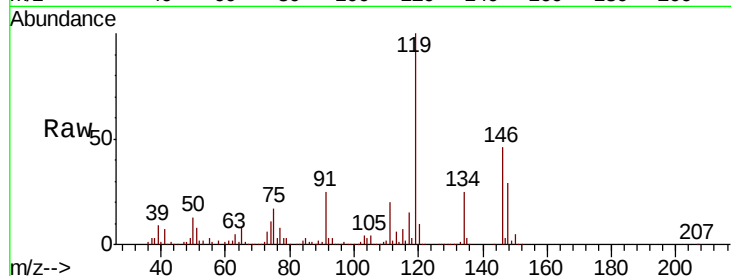
Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion:146 Resp: 106244

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.1
148	63.1	32.6	97.7



#88

1,4-Dichlorobenzene

Concen: 21.215 ug/l

RT: 13.58 min Scan# 1915

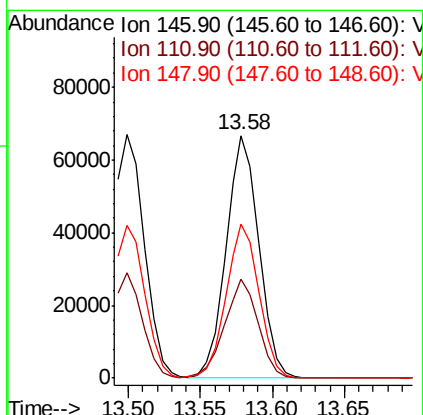
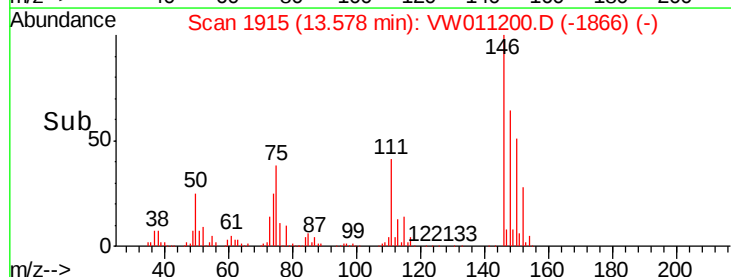
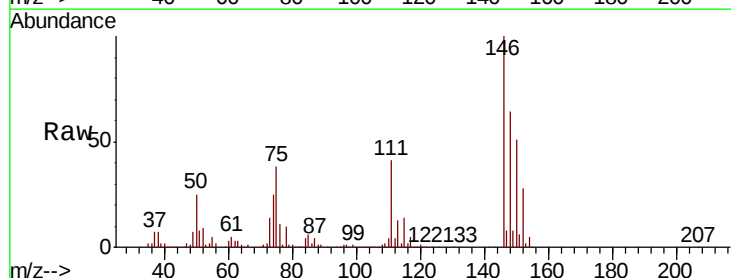
Delta R.T. 0.00 min

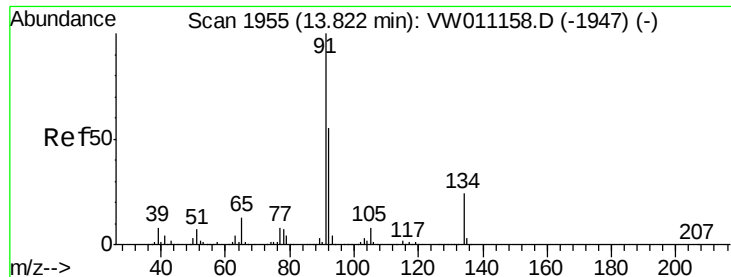
Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:146 Resp: 105795

Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.9	59.7
148	64.2	31.5	94.5





#89

n-Butylbenzene

Concen: 20.729 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

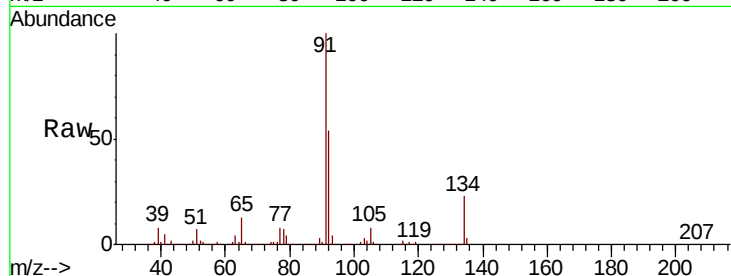
Tot Ion: 91 Resp: 217481

Ion Ratio Lower Upper

91 100

92 53.6 26.9 80.7

134 23.5 12.2 36.4

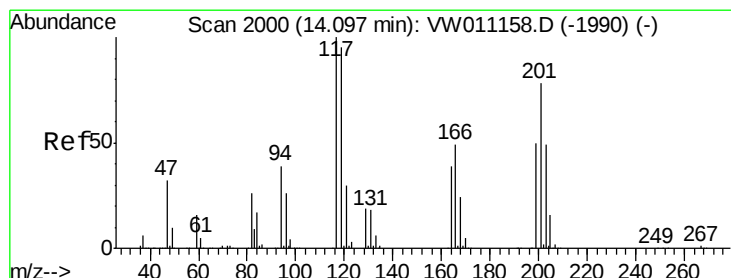
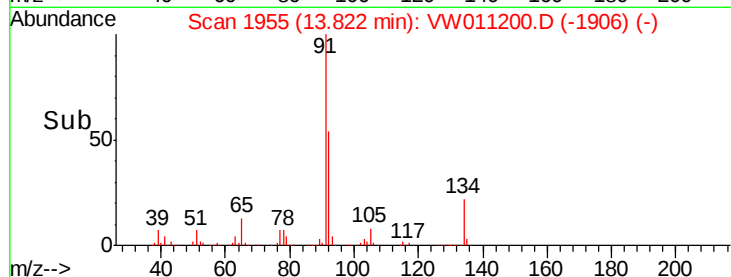
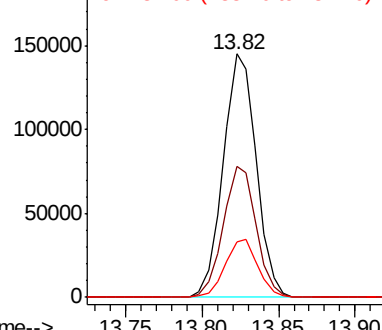


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.472 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011200.D

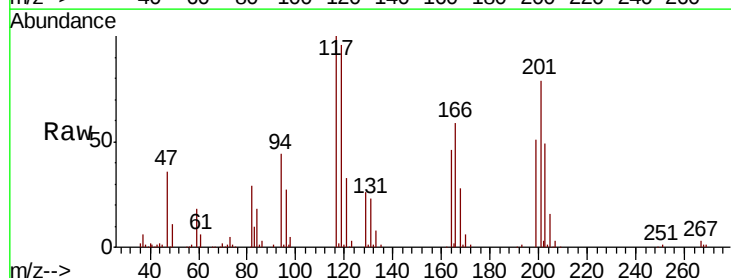
Acq: 10 Jul 2019 20:29

Tgt Ion: 117 Resp: 37422

Ion Ratio Lower Upper

117 100

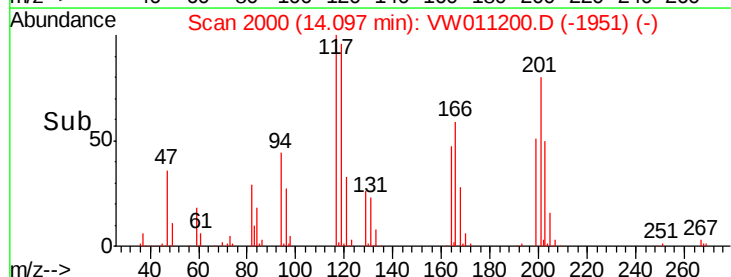
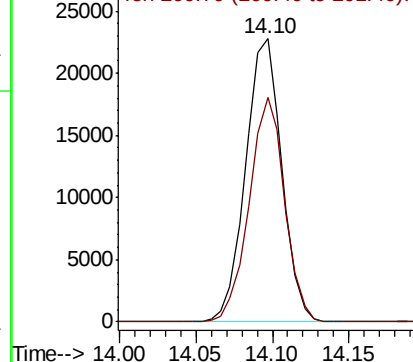
201 77.5 38.3 114.8

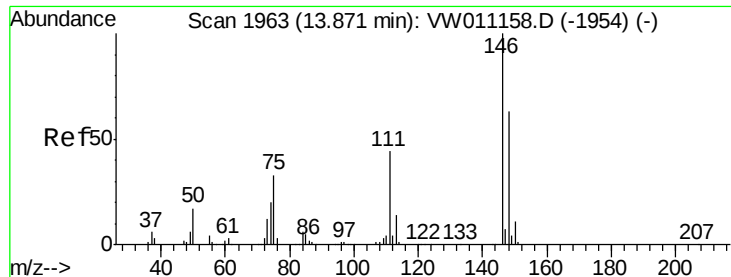


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

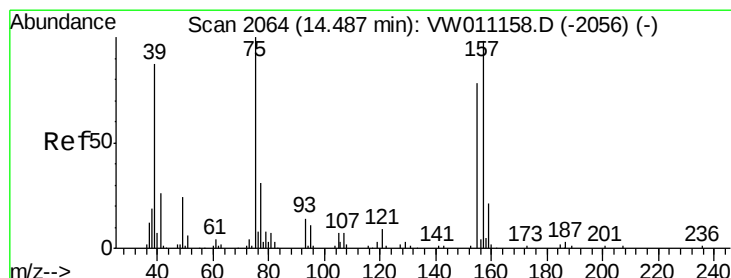
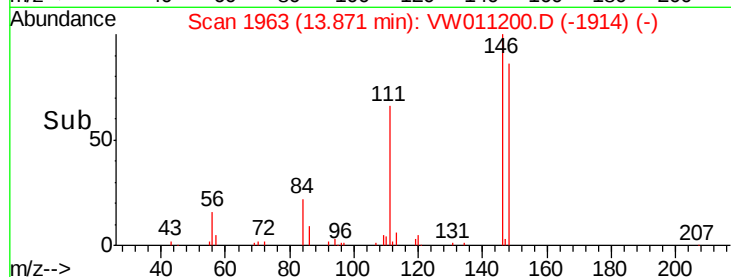
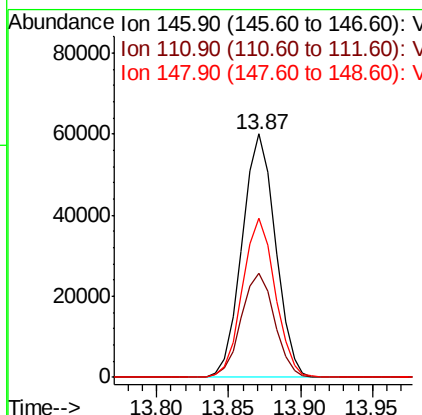
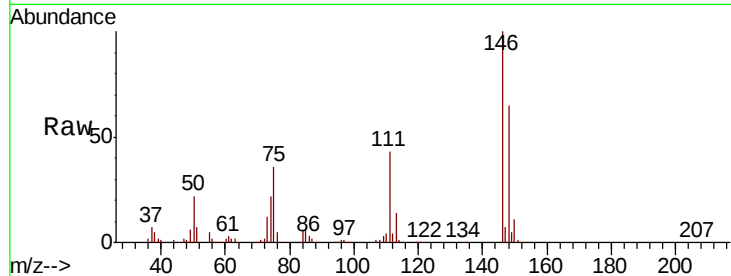




#91
 1,2-Dichlorobenzene
 Concen: 21.448 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

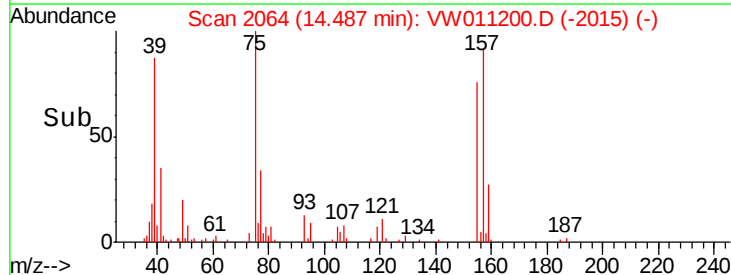
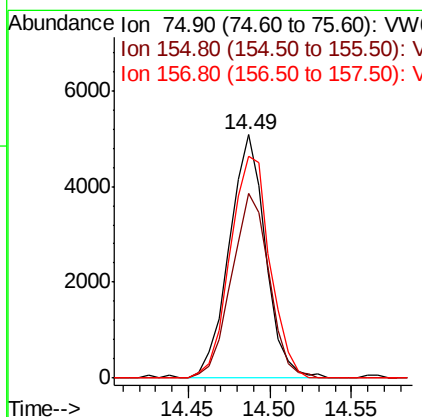
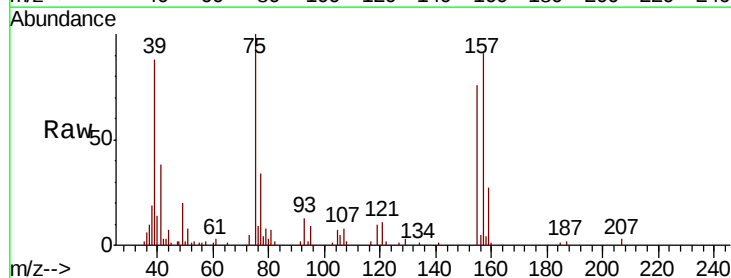
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

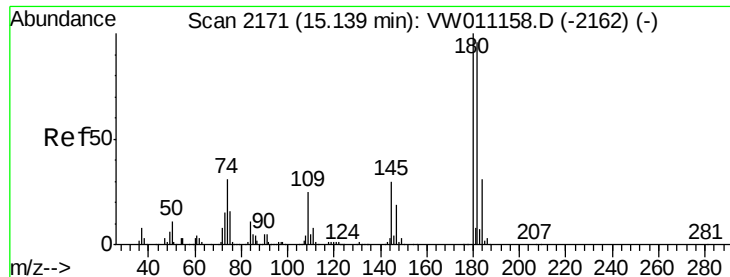
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.850 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.1	111.3
157	99.7	48.5	145.6

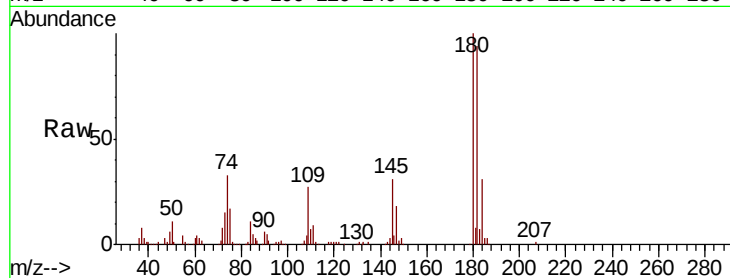




#93
 1,2,4-Trichlorobenzene
 Concen: 21.055 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	30.3	15.5	46.5

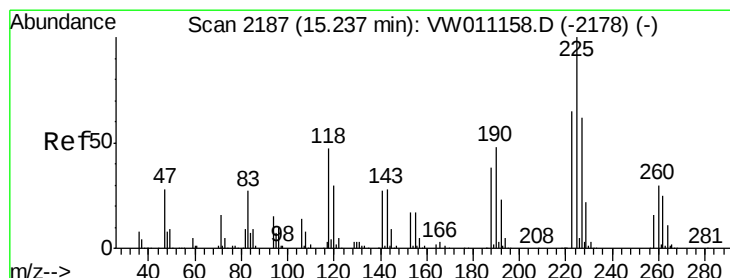
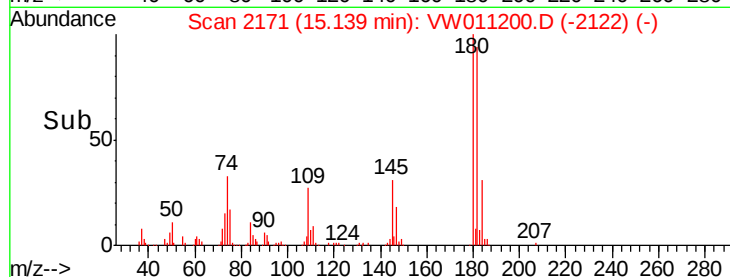
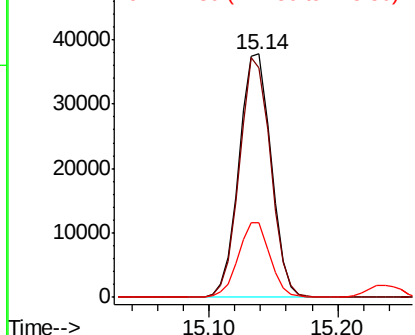


Abundance

Ion 179.80 (179.50 to 180.50): V

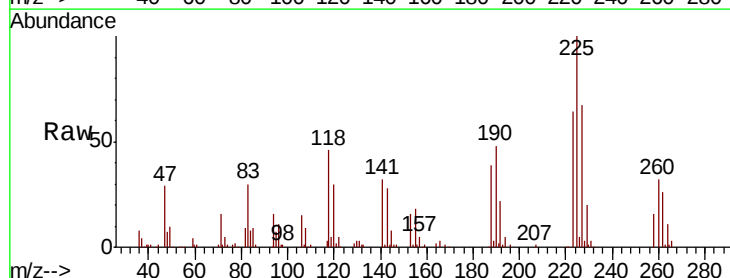
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.818 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.6	95.0
227	63.2	32.0	96.0

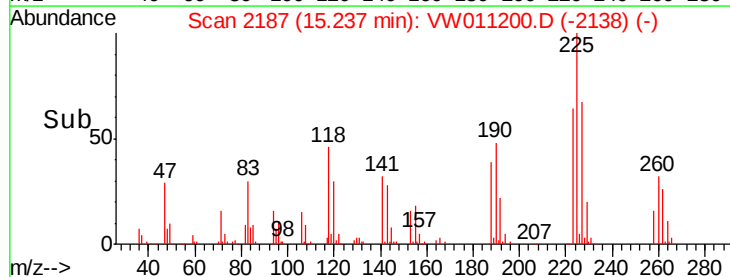
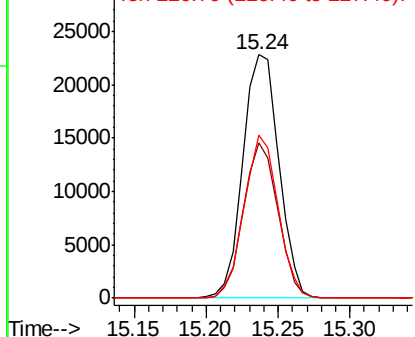


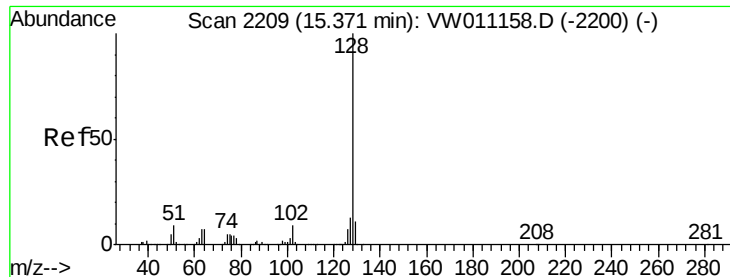
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

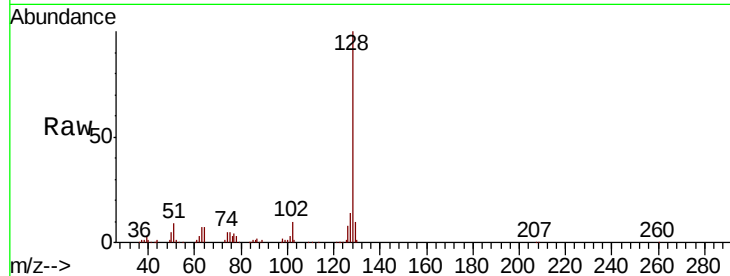




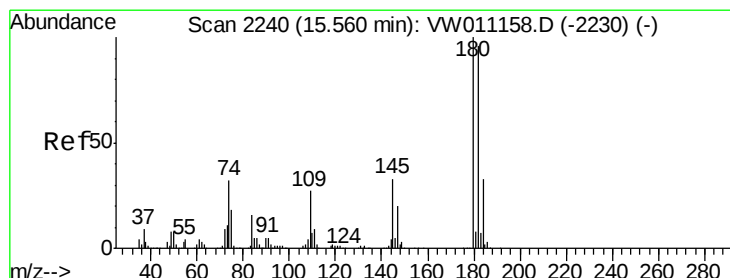
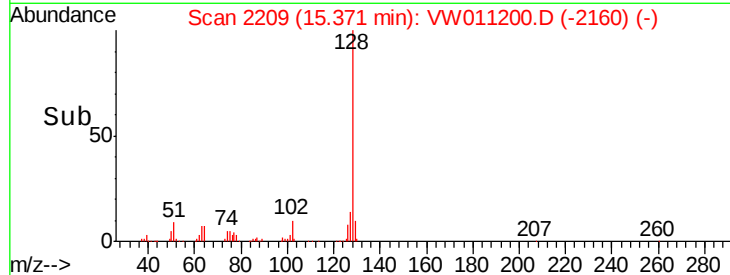
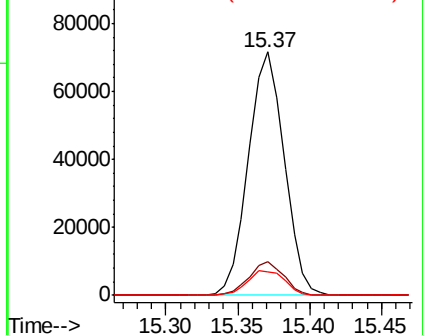
#95
Naphthalene
Concen: 20.856 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion:128 Resp: 123670
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.7 8.7 13.1

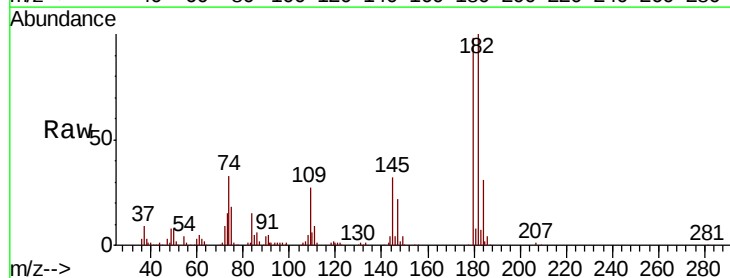


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.672 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:180 Resp: 59186
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 32.6 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

