

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011168.D
 Acq On : 08 Jul 2019 19:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 09 06:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170276	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	140225	48.08	ug/l	0.00
Spiked Amount						
			Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	110259	47.74	ug/l	0.00
Spiked Amount						
			Recovery	=	95.48%	
50) Toluene-d8	10.32	98	443334	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	165298	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77660	44.864	ug/l	97
3) Chloromethane	2.21	50	103198	46.267	ug/l	97
4) Vinyl Chloride	2.36	62	133019	45.564	ug/l	97
5) Bromomethane	2.77	94	69640	47.472	ug/l	97
6) Chloroethane	2.92	64	73847	46.963	ug/l	98
7) Trichlorofluoromethane	3.25	101	43577	42.017	ug/l	97
8) Diethyl Ether	3.67	74	69881	48.697	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117148	47.157	ug/l	100
10) Methyl Iodide	4.28	142	166202	48.644	ug/l	99
11) Tert butyl alcohol	5.17	59	52031	240.972	ug/l	96
12) 1,1-Dichloroethene	4.04	96	122858	47.649	ug/l	96
13) Acrolein	3.89	56	43168	251.069	ug/l	99
14) Allyl chloride	4.66	41	212802	45.260	ug/l	99
15) Acrylonitrile	5.36	53	177791	243.270	ug/l	99
16) Acetone	4.12	43	167755	239.062	ug/l	97
17) Carbon Disulfide	4.38	76	368722	47.170	ug/l	99
18) Methyl Acetate	4.66	43	92789	46.397	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190043	48.576	ug/l	98
20) Methylene Chloride	4.92	84	134081	48.435	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	129697	48.409	ug/l	97
22) Diisopropyl ether	6.31	45	500082	49.451	ug/l	98
23) Vinyl Acetate	6.25	43	1624648	259.592	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258819	48.739	ug/l	100
25) 2-Butanone	7.17	43	272282	247.188	ug/l	98
26) 2,2-Dichloropropane	7.16	77	126422	45.799	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141535	48.973	ug/l	99
28) Bromochloromethane	7.51	49	119703	49.575	ug/l	99
29) Tetrahydrofuran	7.52	42	180045	249.275	ug/l	99
30) Chloroform	7.67	83	236312	48.052	ug/l	100
31) Cyclohexane	7.95	56	260365	46.087	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177279	47.388	ug/l	99
36) 1,1-Dichloropropene	8.08	75	193128	46.802	ug/l	100
37) Ethyl Acetate	7.25	43	120639	48.659	ug/l	100
38) Carbon Tetrachloride	8.06	117	167091	47.766	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	240650	48.116	ug/l	99
40) Benzene	8.32	78	544793	47.772	ug/l	98
41) Methacrylonitrile	7.48	41	75990	53.590	ug/l	89
42) 1,2-Dichloroethane	8.40	62	177392	47.952	ug/l	100
43) Isopropyl Acetate	8.42	43	228417	48.798	ug/l	99
44) Trichloroethene	9.09	130	131432	47.893	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149342	48.360	ug/l	100
46) Dibromomethane	9.46	93	70657	48.707	ug/l	99
47) Bromodichloromethane	9.64	83	178826	48.178	ug/l	100
48) Methyl methacrylate	9.43	41	110284	48.973	ug/l	98
49) 1,4-Dioxane	9.44	88	24010	991.573	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	606328	247.970	ug/l	100
52) Toluene	10.38	92	333797	48.252	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192550	48.735	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	226590	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	100385	48.778	ug/l	98
56) Ethyl methacrylate	10.65	69	156845	50.058	ug/l	98
57) 1,3-Dichloropropane	10.93	76	187833	48.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	384806	264.914	ug/l	98
59) 2-Hexanone	10.97	43	420106	247.745	ug/l	100
60) Dibromochloromethane	11.13	129	111457	49.389	ug/l	99
61) 1,2-Dibromoethane	11.23	107	95212	48.842	ug/l	99
64) Tetrachloroethene	10.86	164	110387	47.261	ug/l	97
65) Chlorobenzene	11.66	112	337602	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121256	48.936	ug/l	98
67) Ethyl Benzene	11.73	91	650173	48.261	ug/l	99
68) m/p-Xylenes	11.84	106	476409	97.730	ug/l	99
69) o-Xylene	12.16	106	224204	48.798	ug/l	99
70) Styrene	12.18	104	389850	49.165	ug/l	99
71) Bromoform	12.35	173	62363	47.337	ug/l #	100
73) Isopropylbenzene	12.46	105	611059	48.006	ug/l	99
74) N-amyl acetate	12.27	43	220137	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125177	47.975	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	164641	83.669	ug/l #	100
77) Bromobenzene	12.75	156	137268	48.054	ug/l	99
78) n-propylbenzene	12.80	91	755457	48.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	427567	47.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525656	48.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40534	46.591	ug/l	99
82) 4-Chlorotoluene	12.99	91	449920	47.873	ug/l	100
83) tert-Butylbenzene	13.21	119	439554	48.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	525182	48.367	ug/l	100
85) sec-Butylbenzene	13.38	105	626386	48.134	ug/l	100
86) p-Isopropyltoluene	13.50	119	569258	48.772	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	264490	48.124	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	264311	47.758	ug/l	99
89) n-Butylbenzene	13.82	91	575223	49.402	ug/l	100
90) Hexachloroethane	14.09	117	100949	47.330	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240033	48.141	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21778	47.056	ug/l	99

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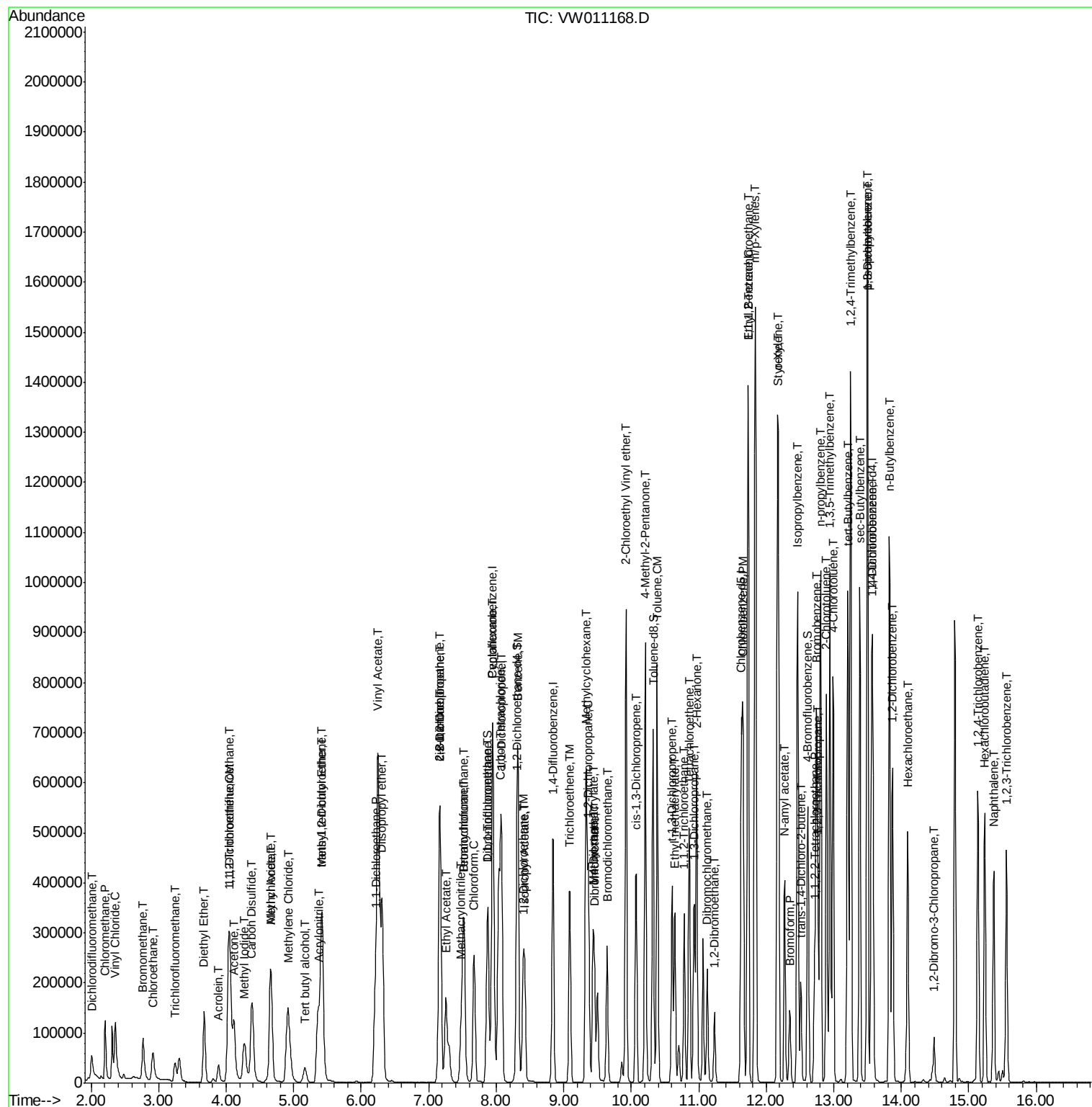
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172981	50.369	ug/l	99
94) Hexachlorobutadiene	15.24	225	100695	47.758	ug/l	98
95) Naphthalene	15.37	128	346264	52.615	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154793	51.071	ug/l	99

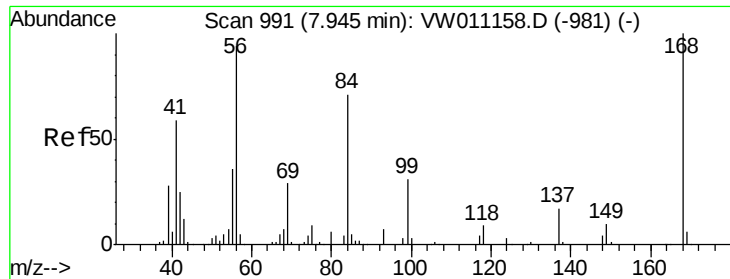
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

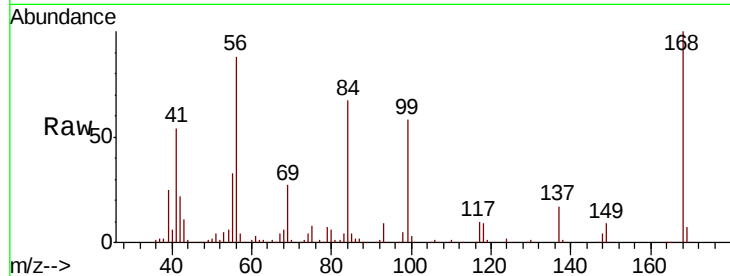
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 232099

Ion Ratio Lower Upper

168 100

99 58.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

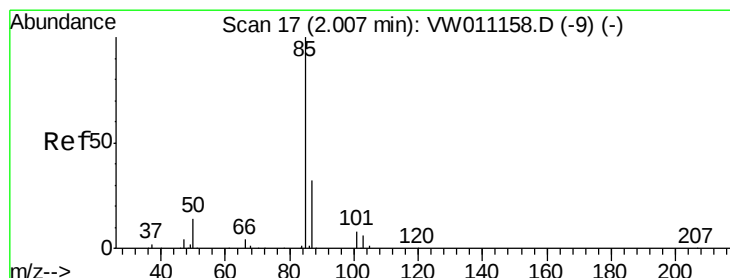
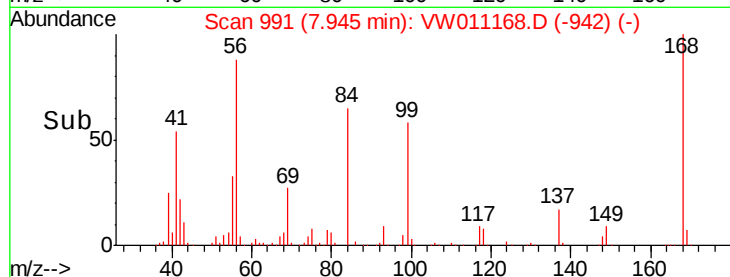
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 44.864 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011168.D

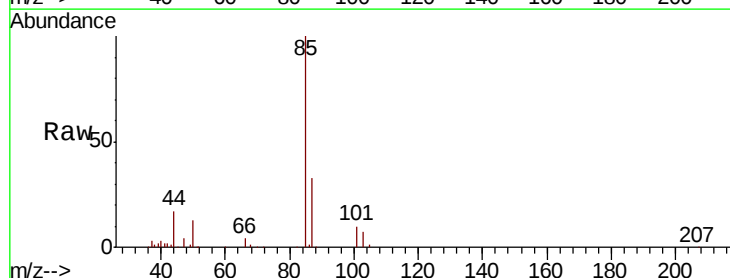
Acq: 08 Jul 2019 19:01

Tgt Ion: 85 Resp: 77660

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

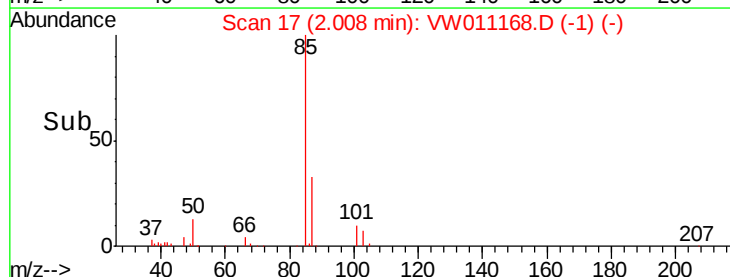
15000

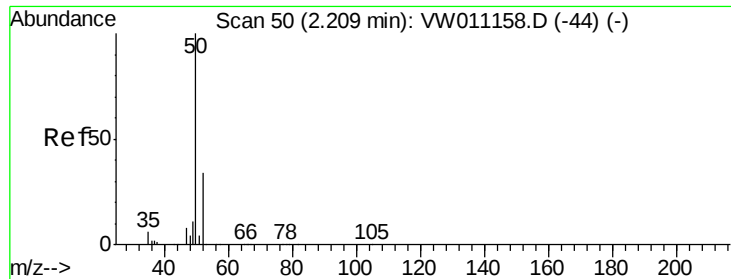
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 46.267 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

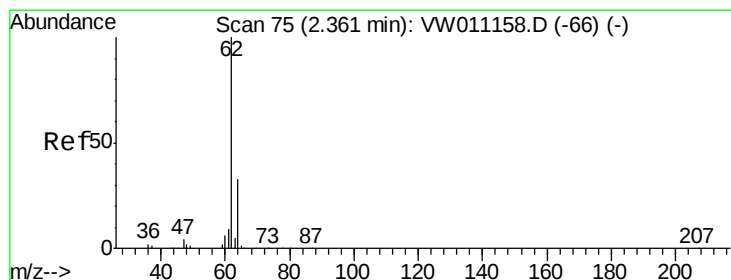
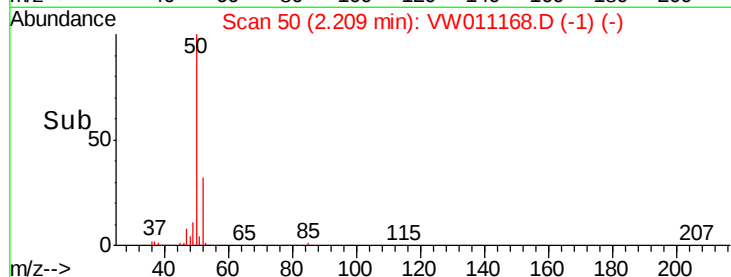
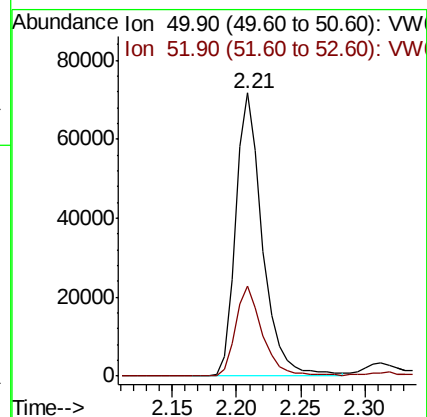
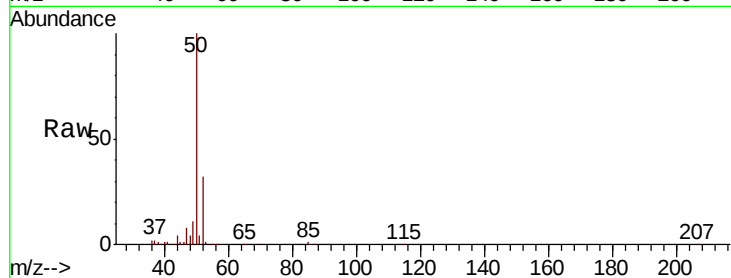
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 103198

Ion Ratio Lower Upper

50 100

52 31.9 26.9 40.3



#4

Vinyl Chloride

Concen: 45.564 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011168.D

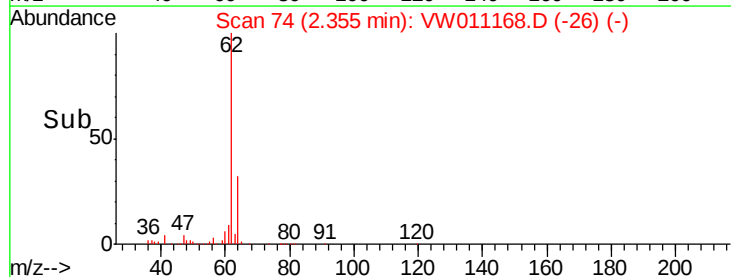
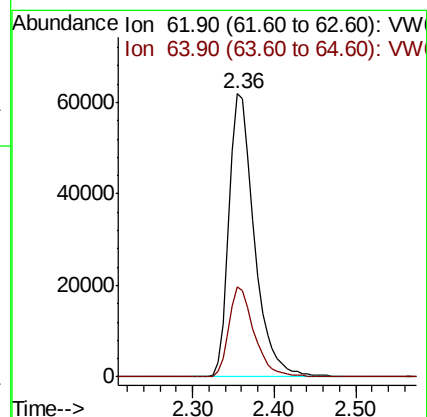
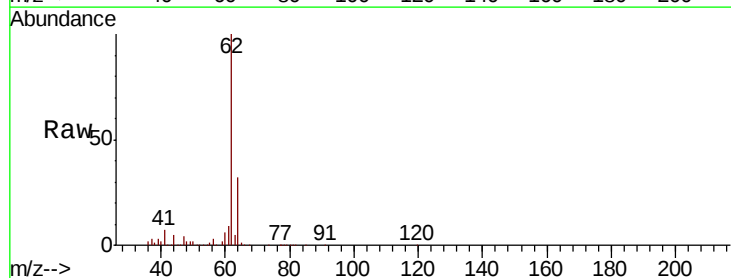
Acq: 08 Jul 2019 19:01

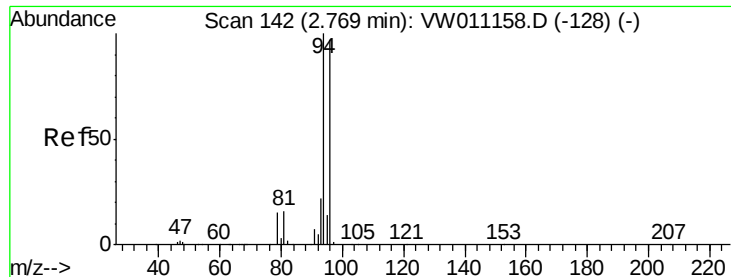
Tgt Ion: 62 Resp: 133019

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 47.472 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

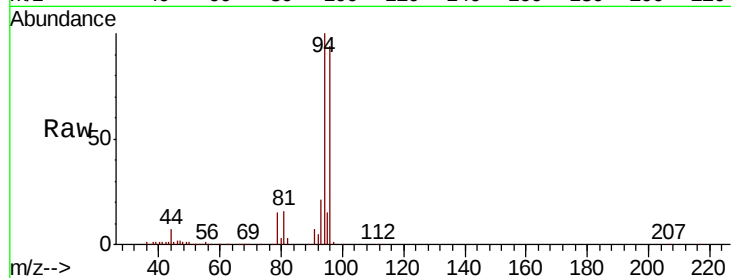
ClientSampleId :

Tot Ion: 94 Resp: 69640

Ion Ratio Lower Upper

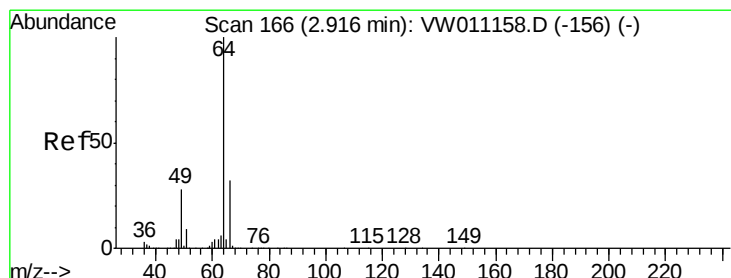
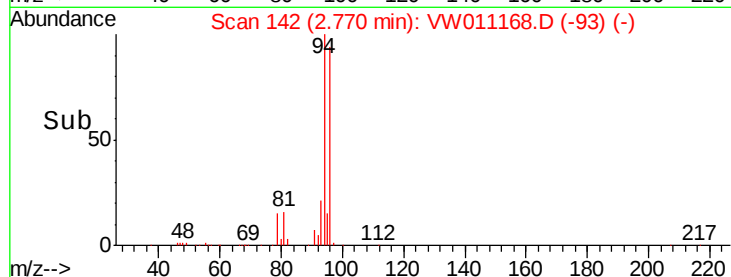
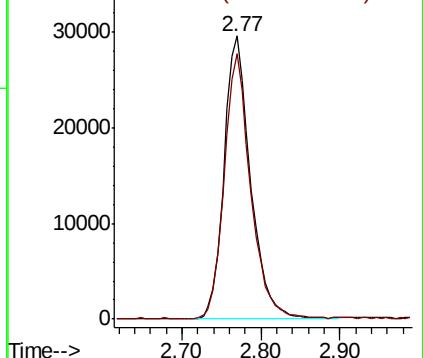
94 100

96 93.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.963 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011168.D

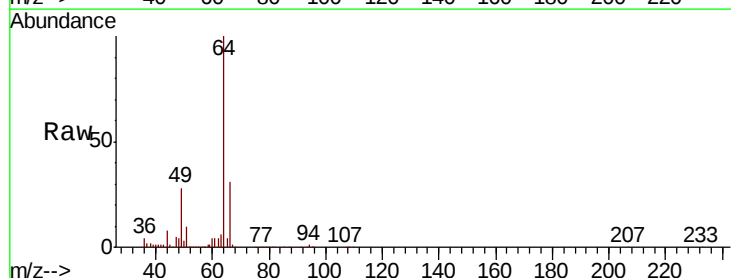
Acq: 08 Jul 2019 19:01

Tgt Ion: 64 Resp: 73847

Ion Ratio Lower Upper

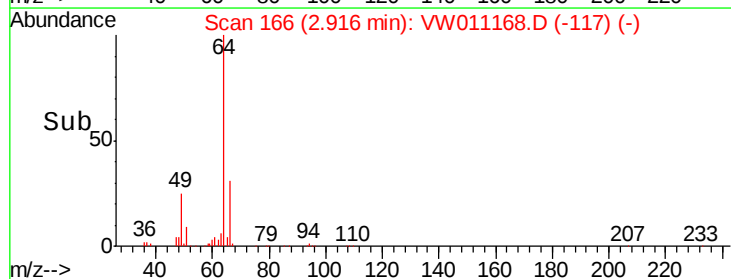
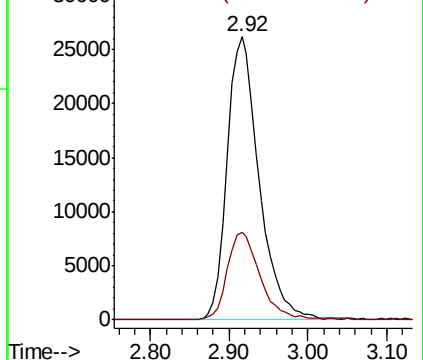
64 100

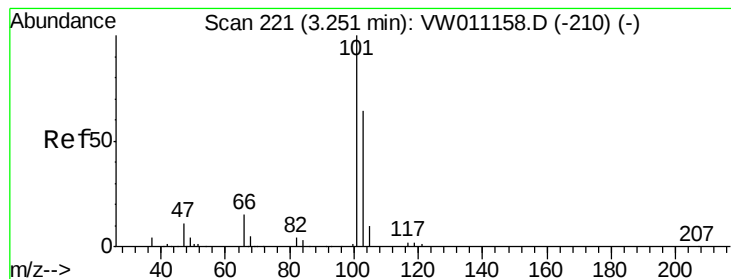
66 31.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



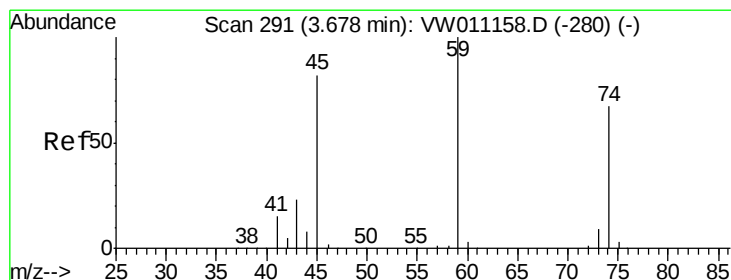
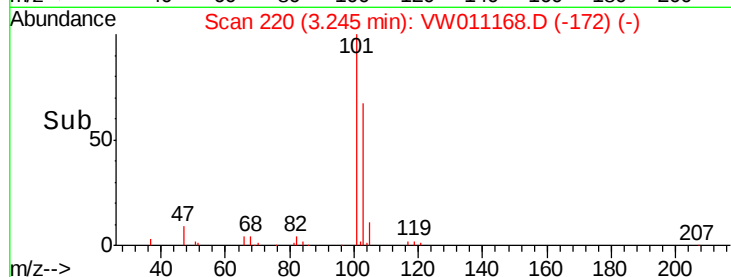
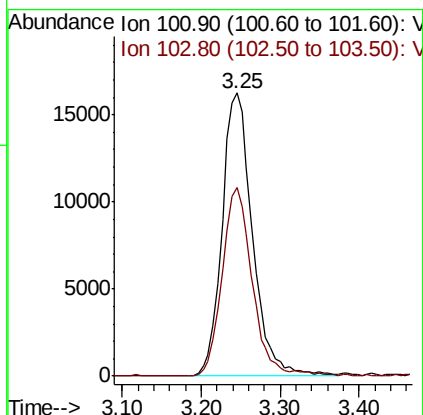
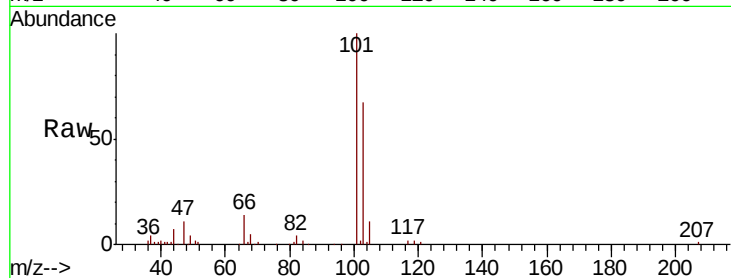


#7

Trichlorofluoromethane
 Concen: 42.017 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampled :

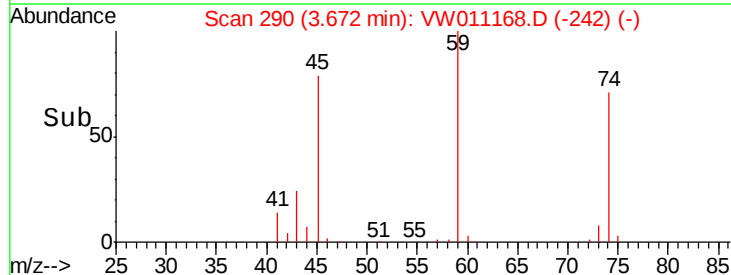
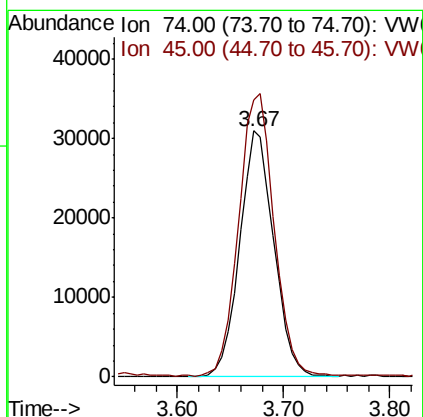
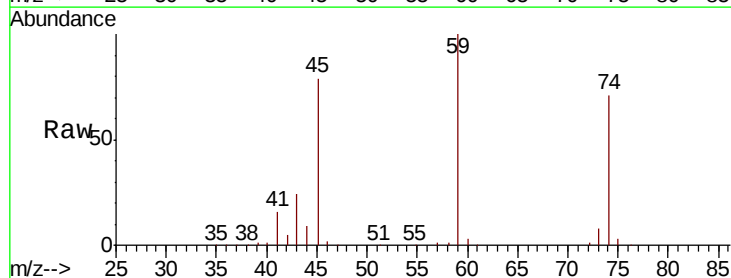
Tot Ion:101 Resp: 43577
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.3 76.9

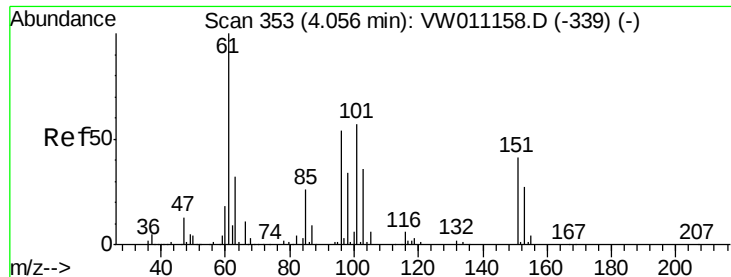


#8

Diethyl Ether
 Concen: 48.697 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 74 Resp: 69881
 Ion Ratio Lower Upper
 74 100
 45 118.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.157 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

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ClientSampleId :

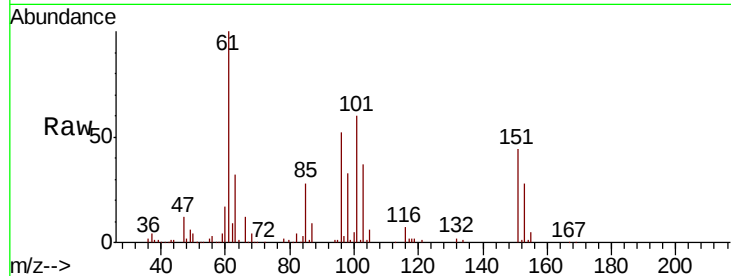
Tot Ion:101 Resp: 117148

Ion Ratio Lower Upper

101 100

85 45.7 36.5 54.7

151 74.0 59.1 88.7

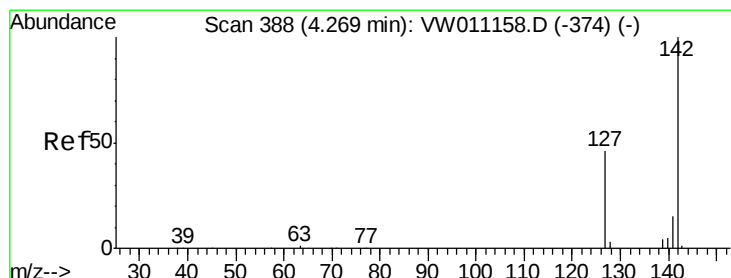
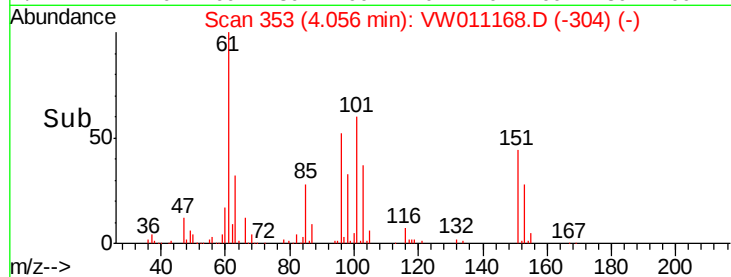
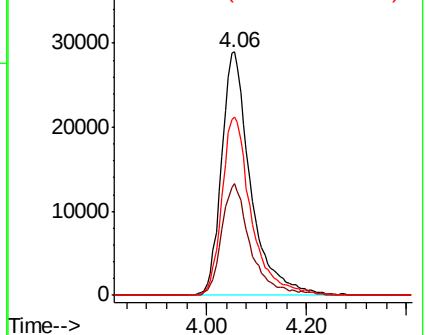


Abundance

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: 48.644 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

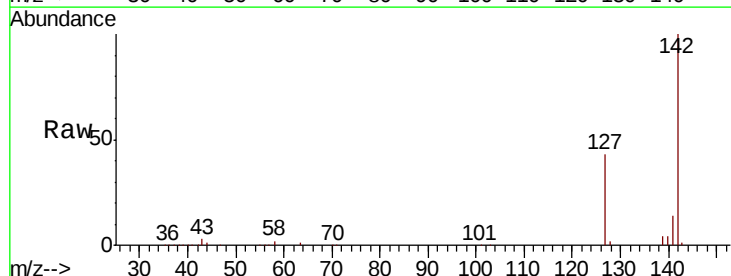
Tgt Ion:142 Resp: 166202

Ion Ratio Lower Upper

142 100

127 44.0 35.7 53.5

141 14.5 11.5 17.3

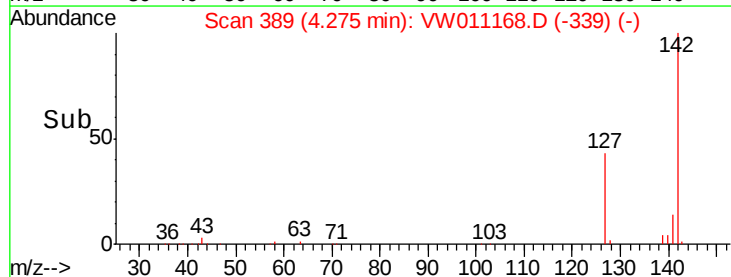
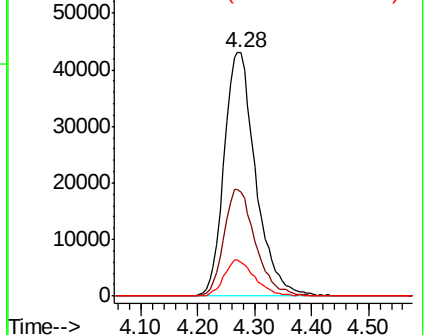


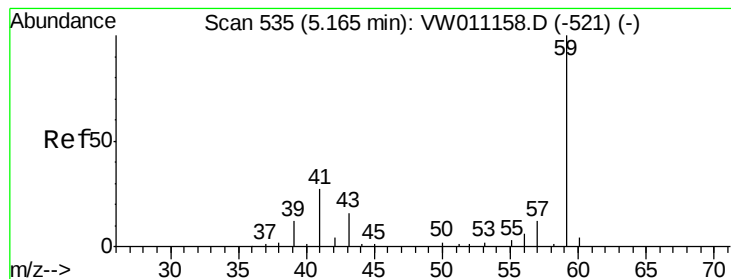
Abundance

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



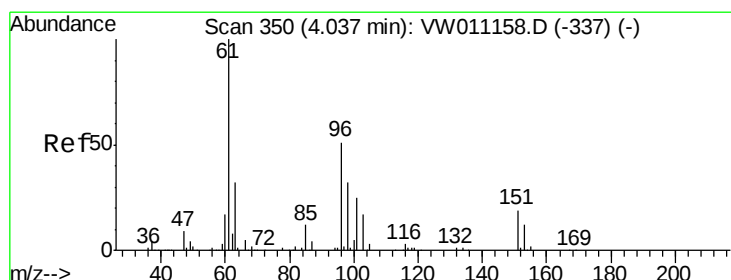
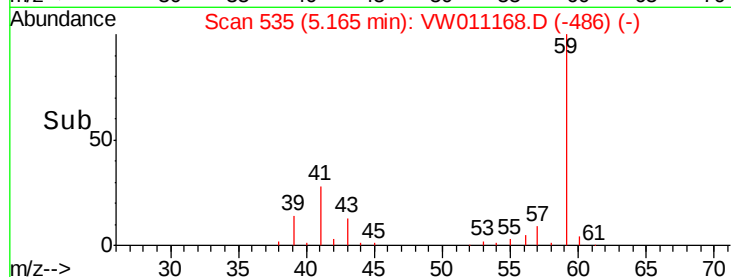
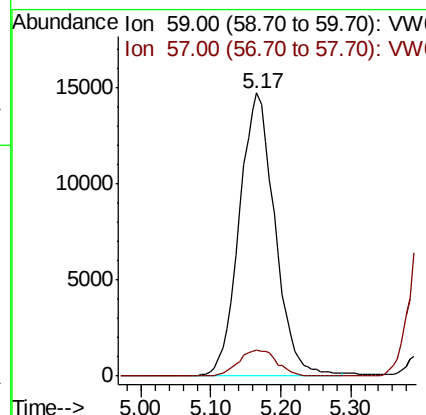
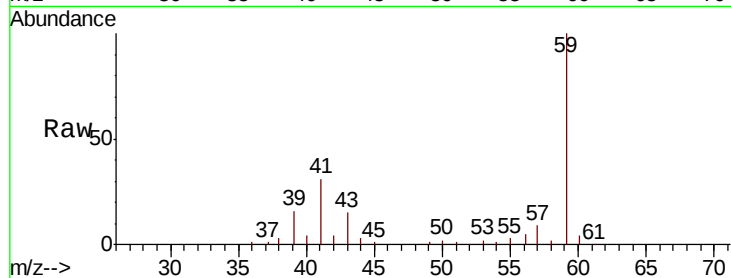


#11

Tert butyl alcohol
Concen: 240.972 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :

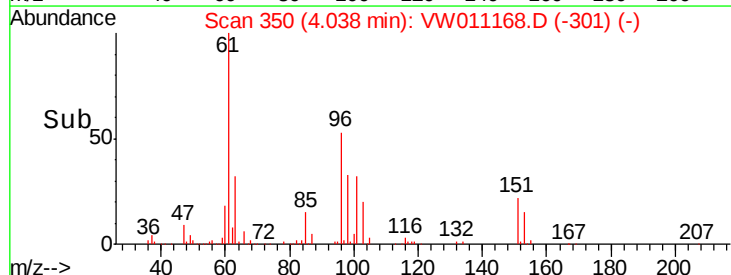
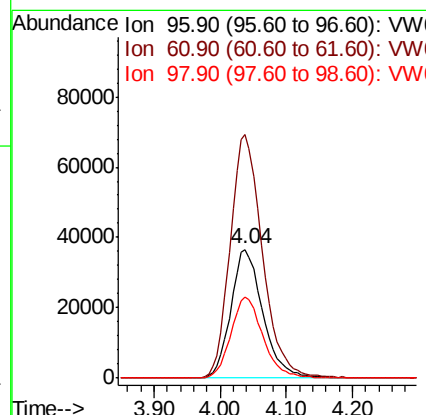
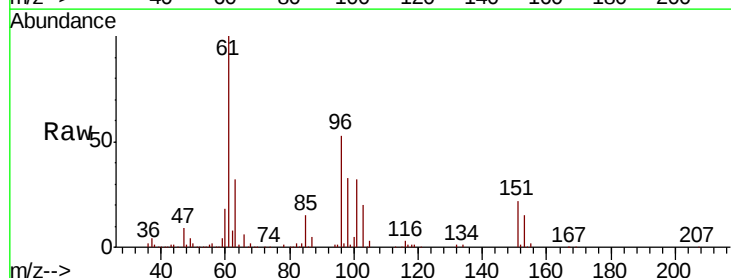
Tot Ion: 59 Resp: 52031
Ion Ratio Lower Upper
59 100
57 10.0 9.0 13.6

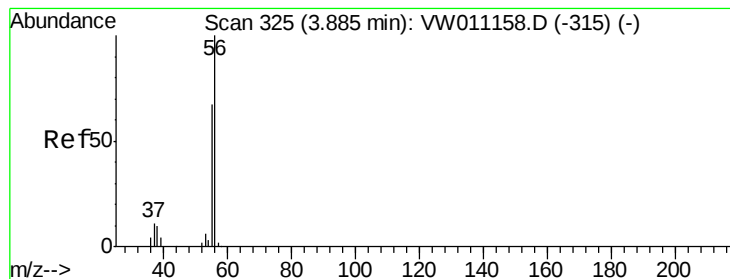


#12

1,1-Dichloroethene
Concen: 47.649 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 96 Resp: 122858
Ion Ratio Lower Upper
96 100
61 189.2 157.7 236.5
98 63.0 50.9 76.3





#13

Acrolein

Concen: 251.069 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

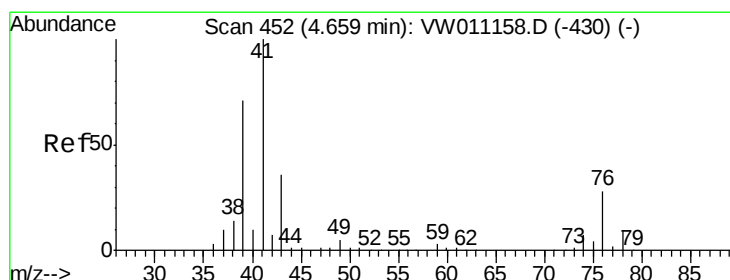
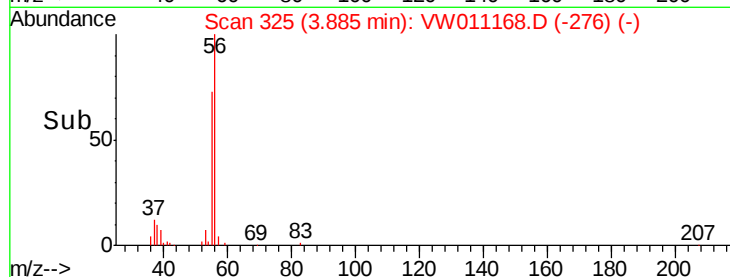
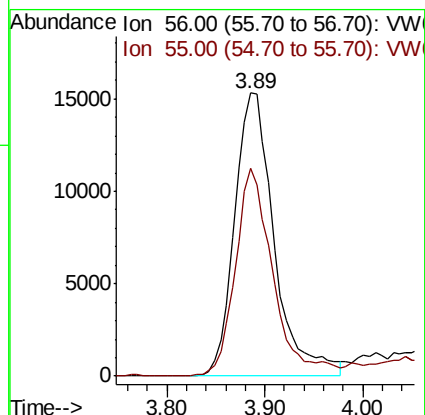
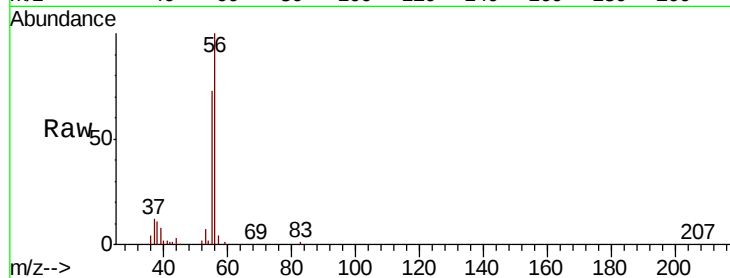
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 43168

Ion Ratio Lower Upper

56 100

55 69.7 56.4 84.6



#14

Allyl chloride

Concen: 45.260 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

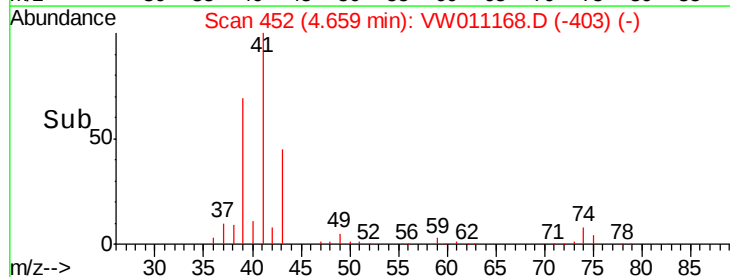
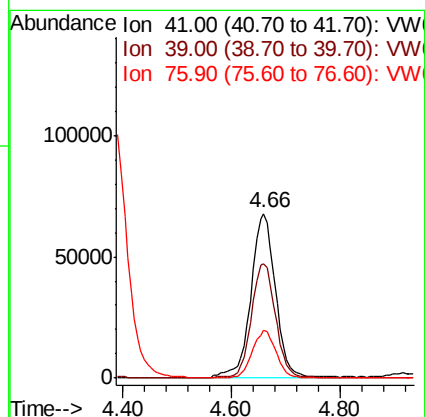
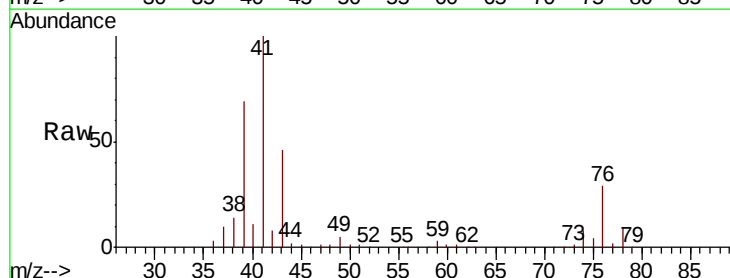
Tgt Ion: 41 Resp: 212802

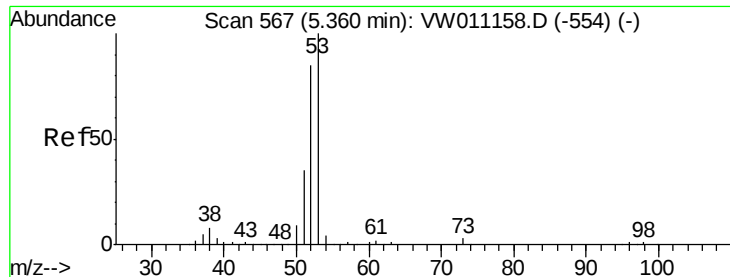
Ion Ratio Lower Upper

41 100

39 68.3 55.1 82.7

76 28.0 22.5 33.7





#15

Acrylonitrile

Concen: 243.270 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

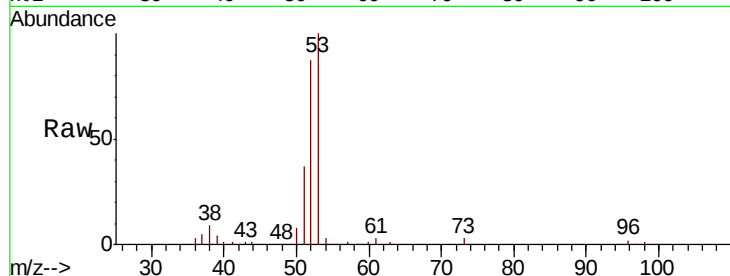
Tot Ion: 53 Resp: 177791

Ion Ratio Lower Upper

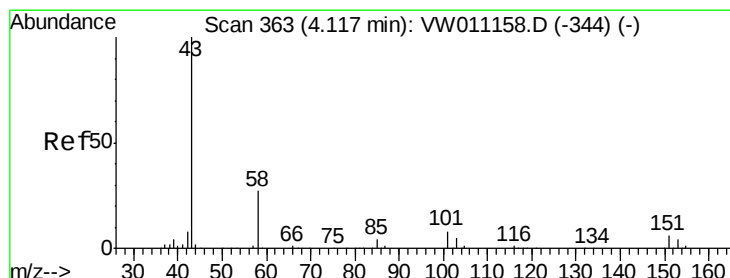
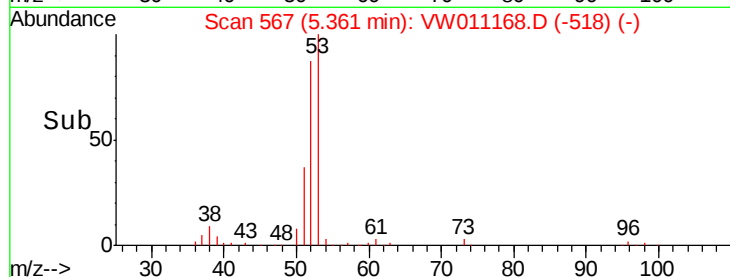
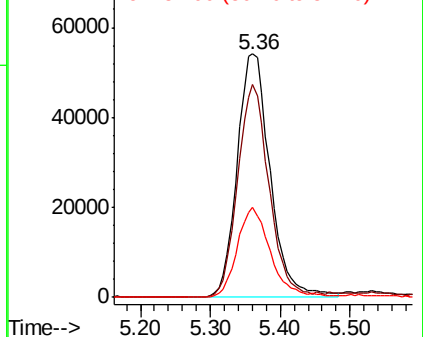
53 100

52 83.4 66.2 99.4

51 36.9 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: 239.062 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011168.D

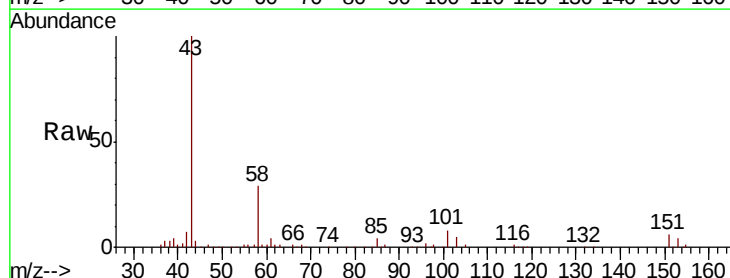
Acq: 08 Jul 2019 19:01

Tgt Ion: 43 Resp: 167755

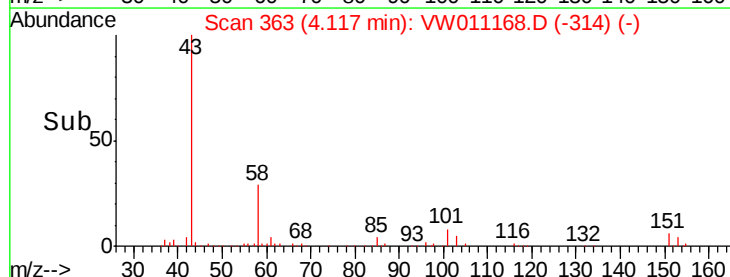
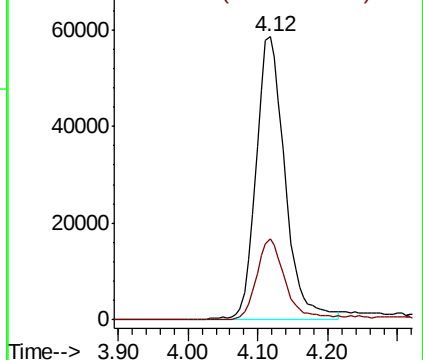
Ion Ratio Lower Upper

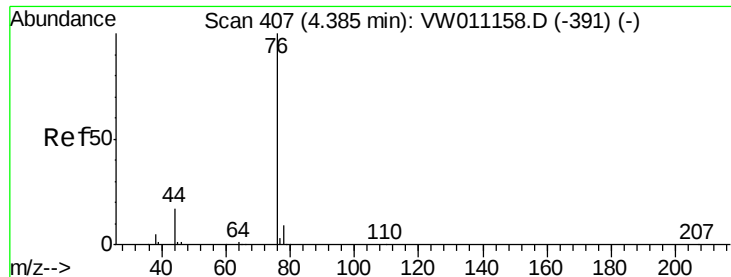
43 100

58 28.7 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: 47.170 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

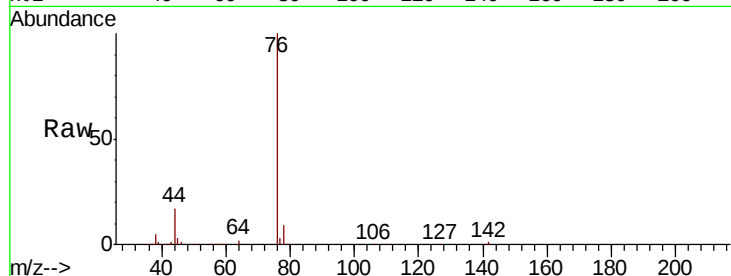
ClientSampleId :

Tot Ion: 76 Resp: 368722

Ion Ratio Lower Upper

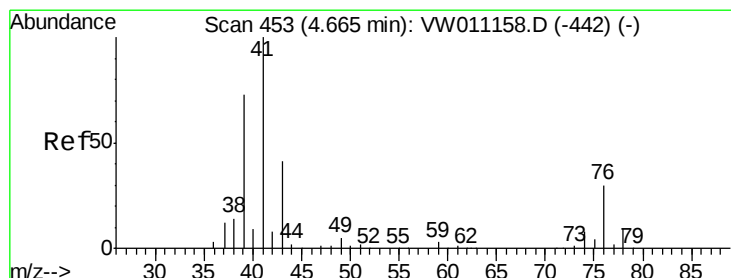
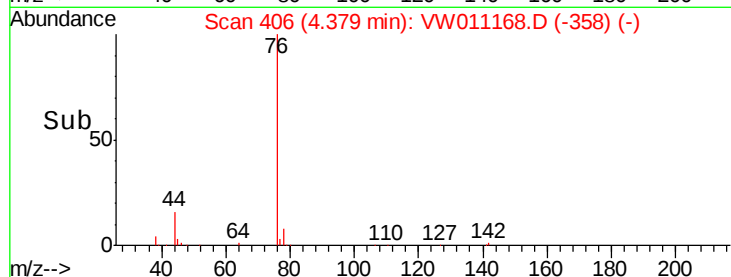
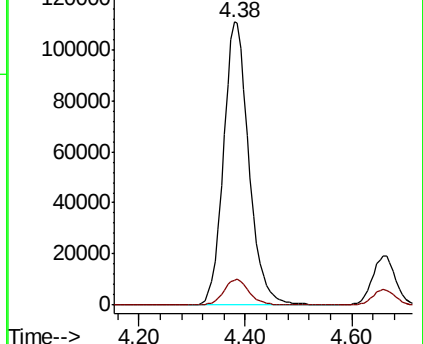
76 100

78 8.6 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: 46.397 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011168.D

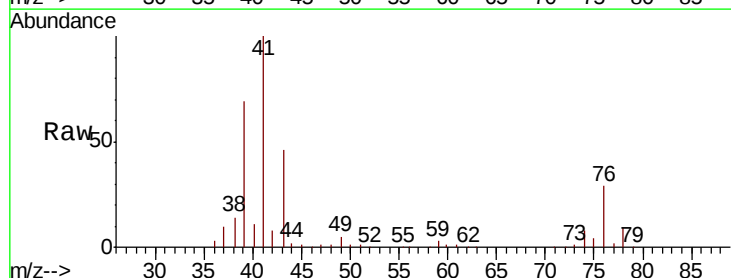
Acq: 08 Jul 2019 19:01

Tgt Ion: 43 Resp: 92789

Ion Ratio Lower Upper

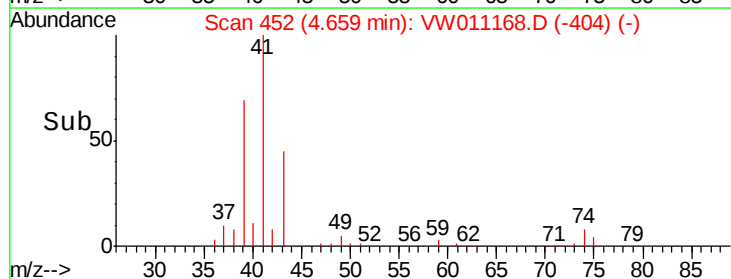
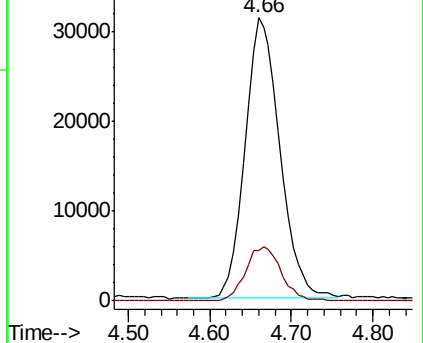
43 100

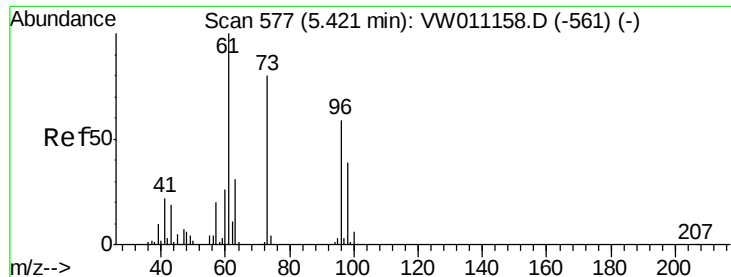
74 19.7 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

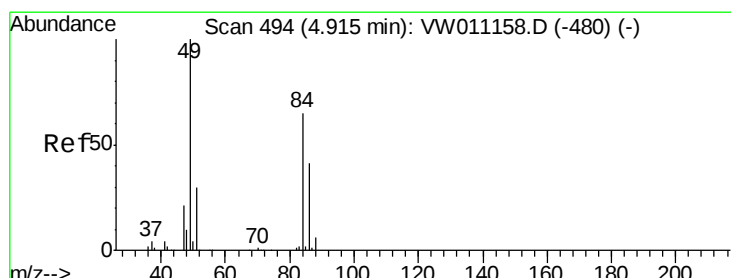
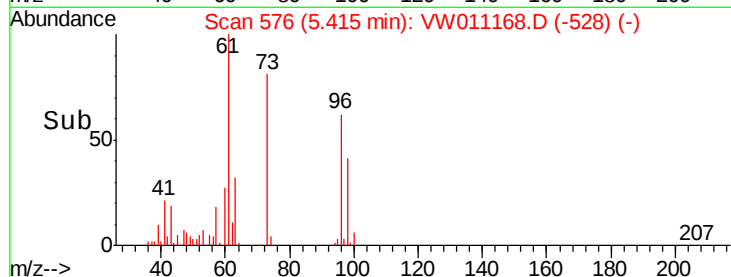
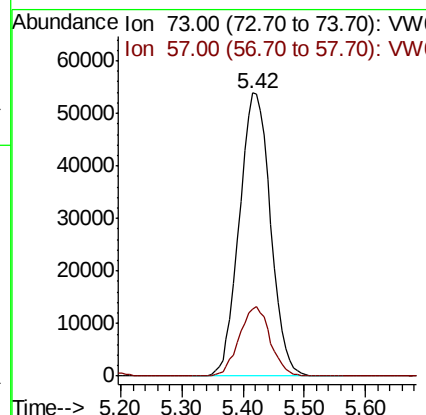
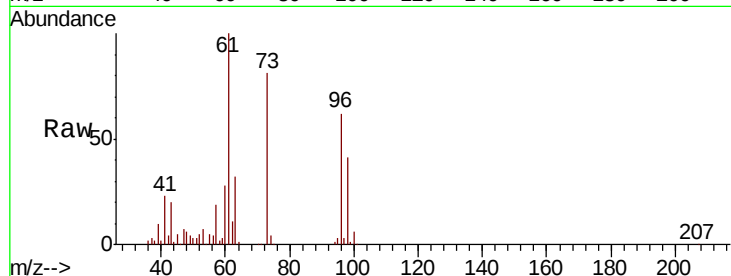




#19
Methyl tert-butyl Ether
Concen: 48.576 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

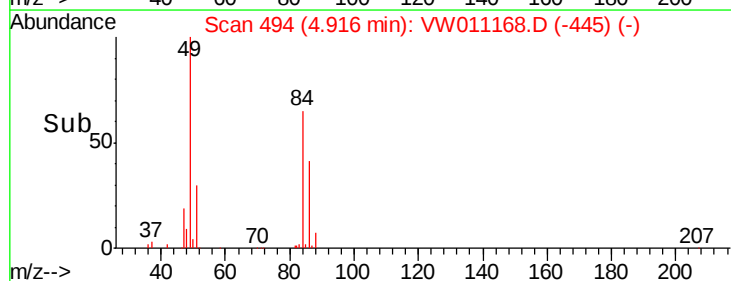
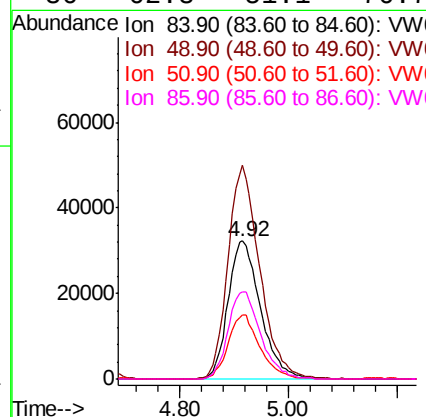
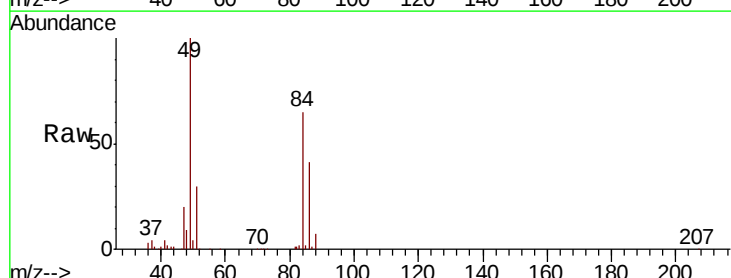
Instrument :
MSVOA_W
ClientSampled :

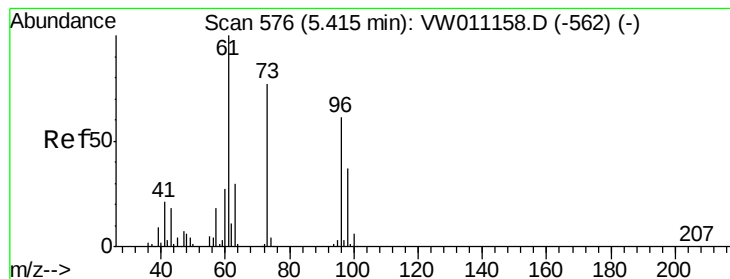
Tot Ion: 73 Resp: 190043
Ion Ratio Lower Upper
73 100
57 23.5 19.7 29.5



#20
Methylene Chloride
Concen: 48.435 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 84 Resp: 134081
Ion Ratio Lower Upper
84 100
49 154.6 123.8 185.6
51 46.5 37.4 56.2
86 62.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.409 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :

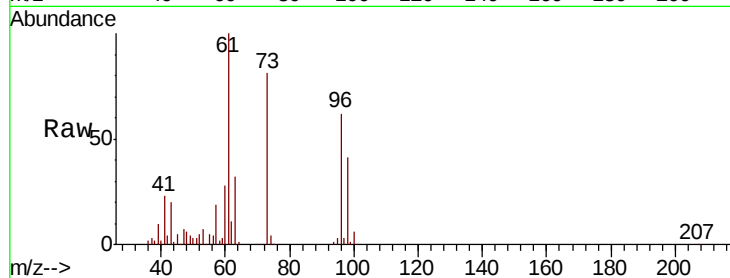
Tot Ion: 96 Resp: 129697

Ion Ratio Lower Upper

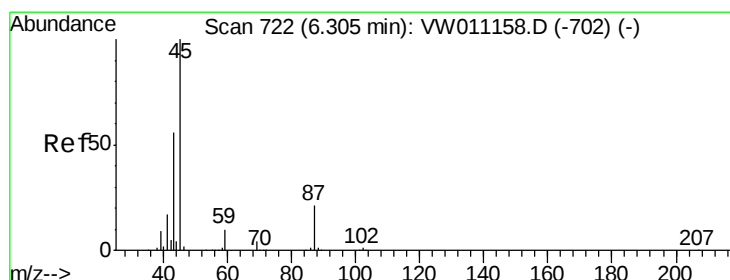
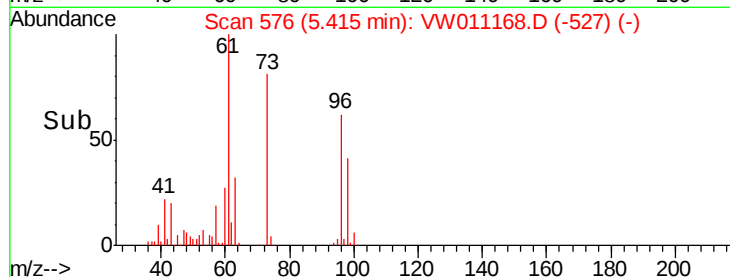
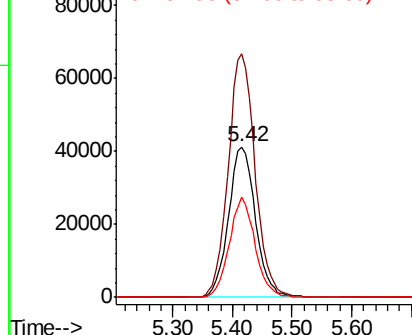
96 100

61 161.7 132.2 198.2

98 66.2 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: 49.451 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion: 45 Resp: 500082

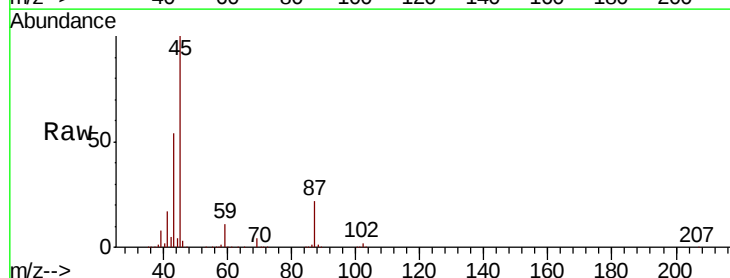
Ion Ratio Lower Upper

45 100

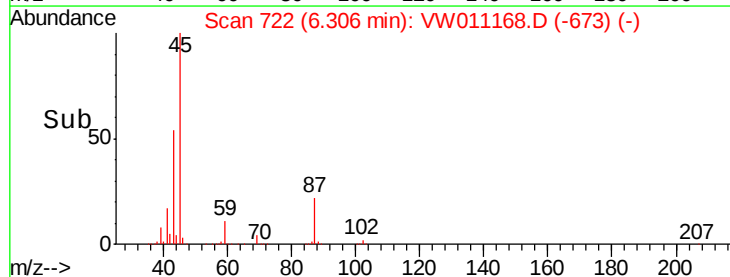
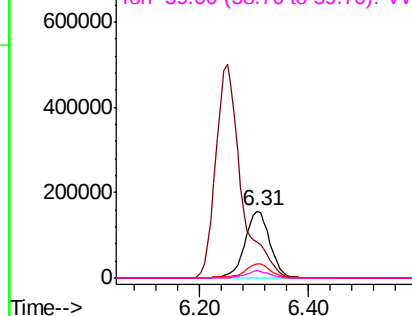
43 53.8 44.6 66.8

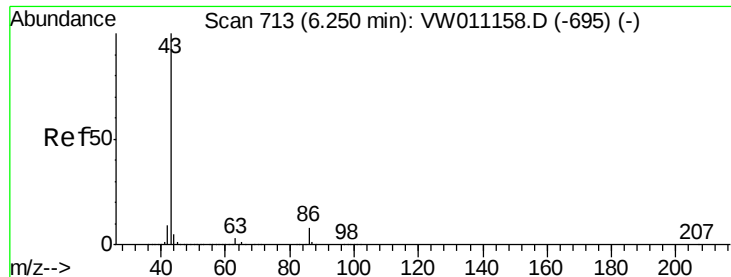
87 21.6 17.3 25.9

59 10.6 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: 259.592 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

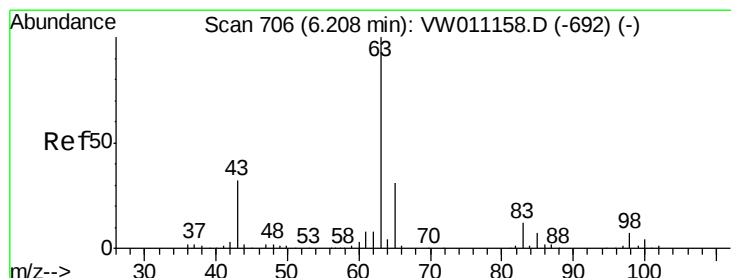
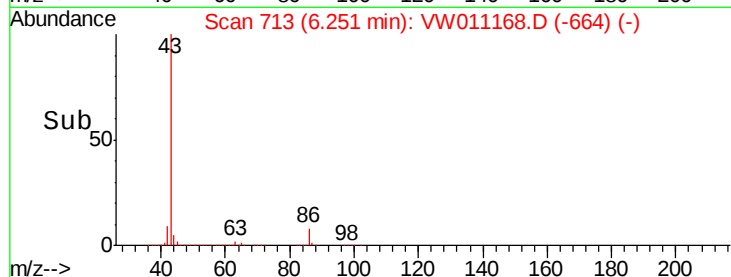
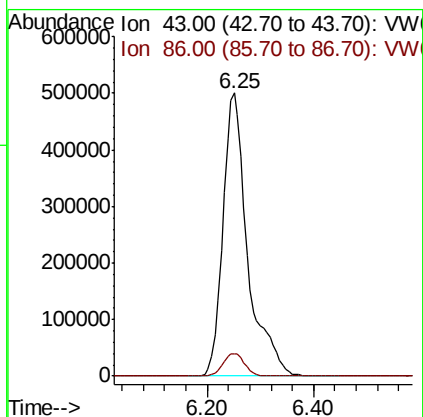
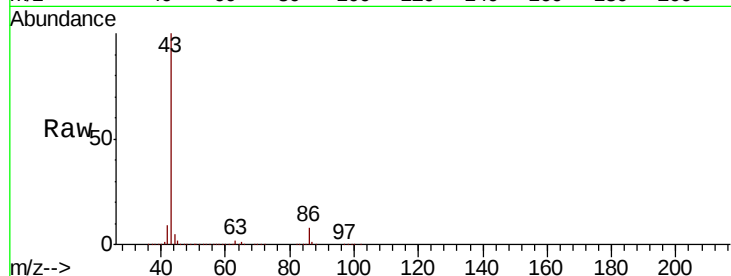
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1624648

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 48.739 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

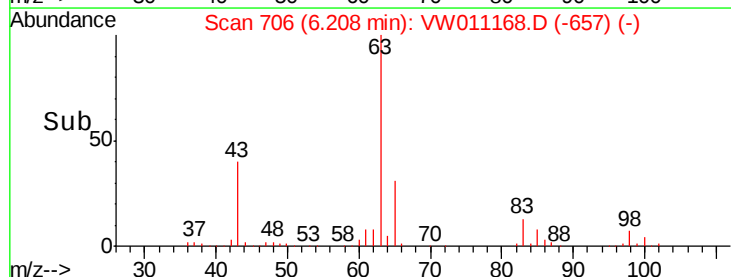
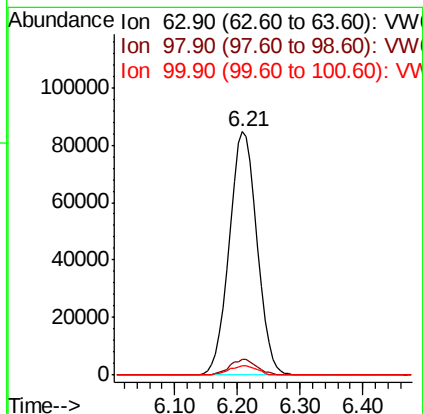
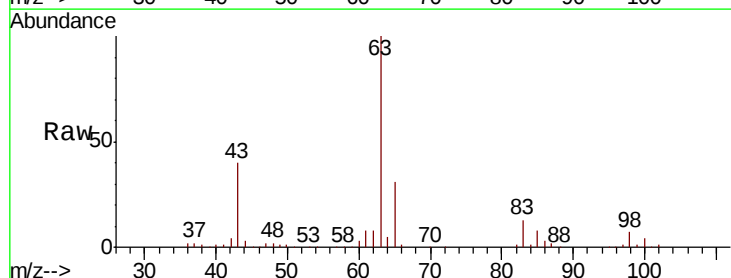
Tgt Ion: 63 Resp: 258819

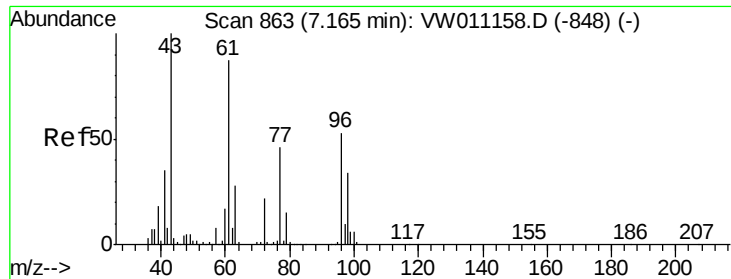
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 247.188 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

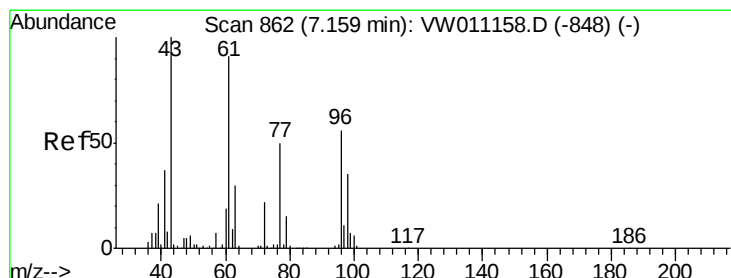
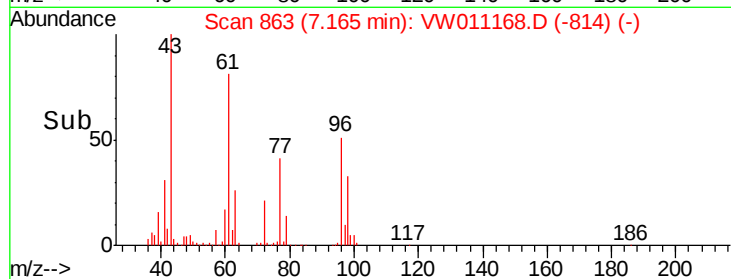
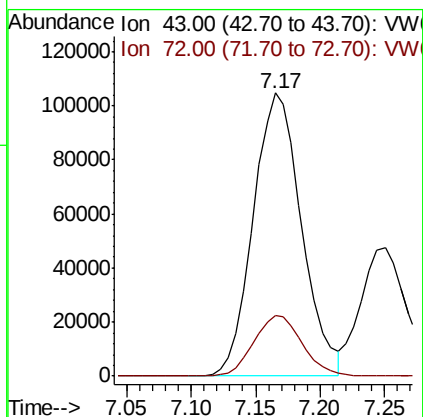
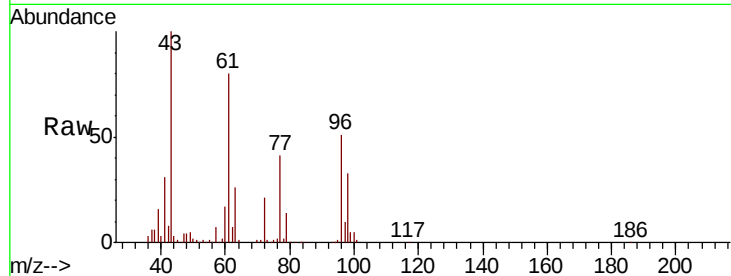
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 272282

Ion Ratio Lower Upper

43 100

72 21.3 17.6 26.4



#26

2,2-Dichloropropane

Concen: 45.799 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011168.D

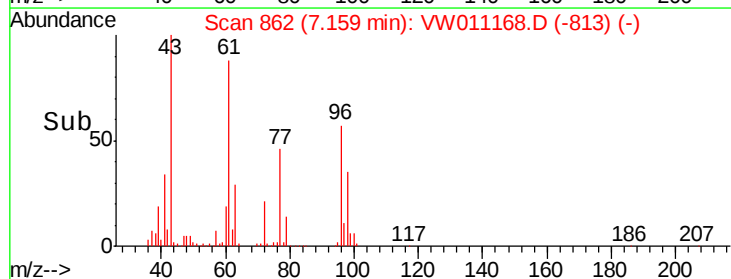
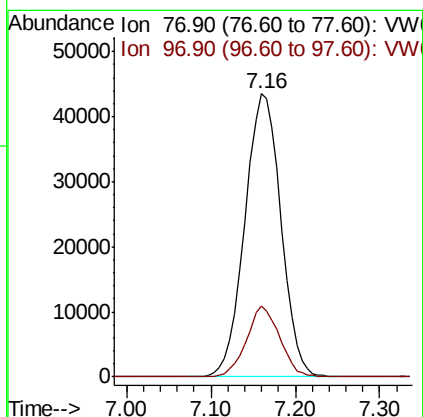
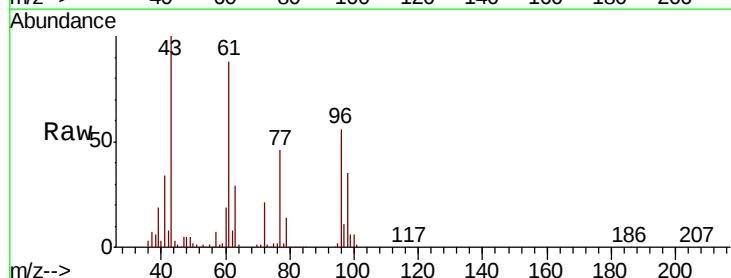
Acq: 08 Jul 2019 19:01

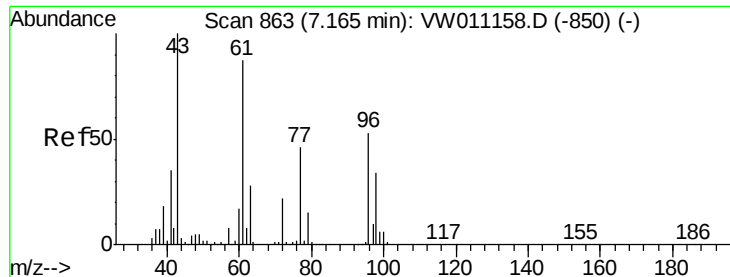
Tgt Ion: 77 Resp: 126422

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



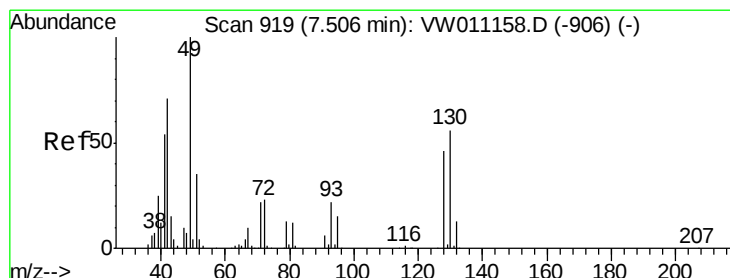
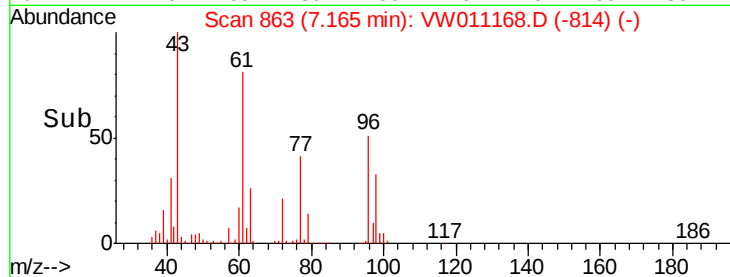
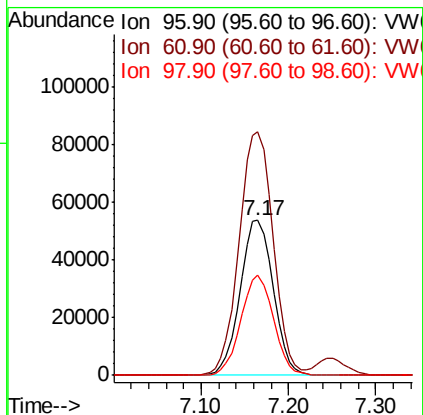
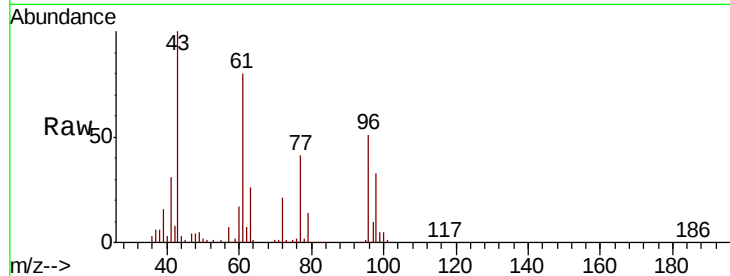


#27

cis-1,2-Dichloroethene
Concen: 48.973 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampled :

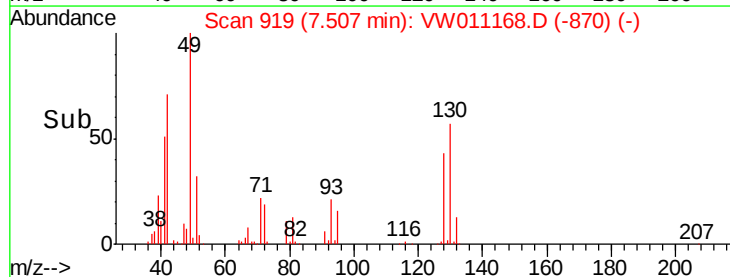
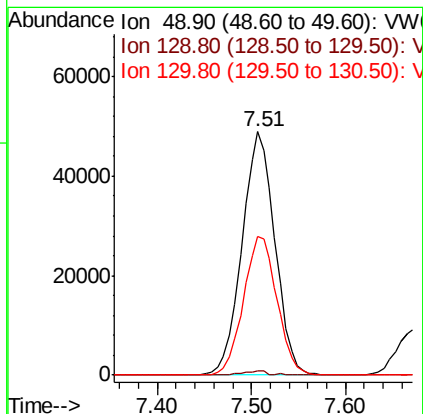
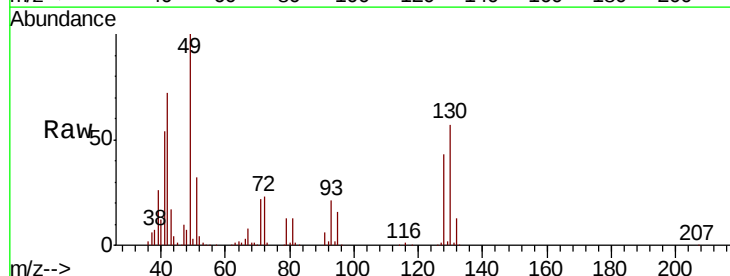
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	325.6
98	63.7	0.0	128.2

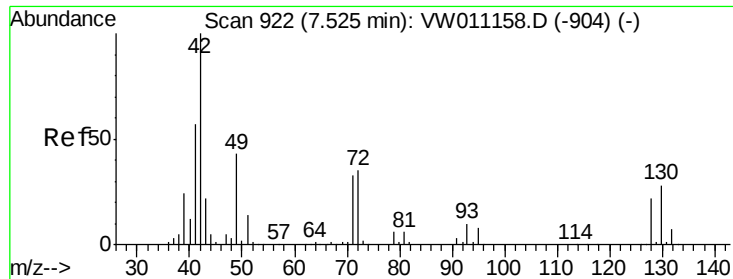


#28

Bromochloromethane
Concen: 49.575 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	58.0	45.8	68.8

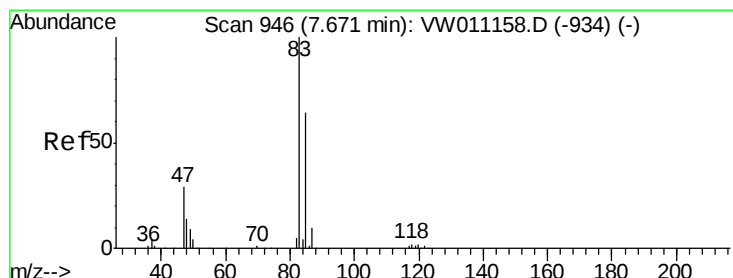
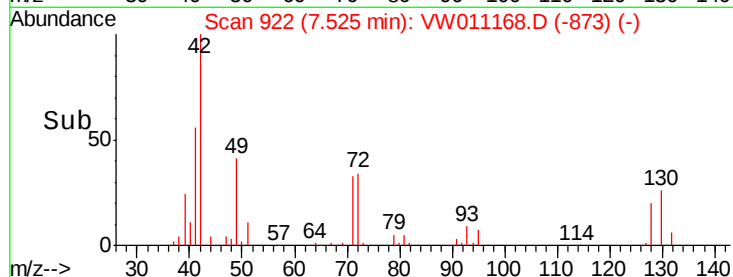
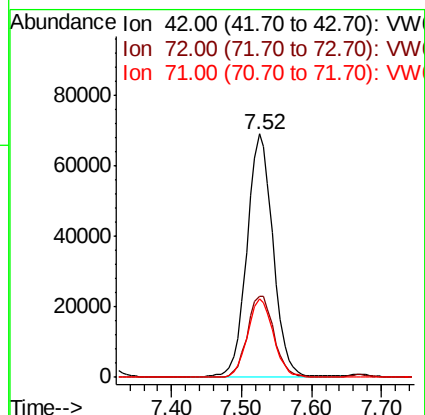
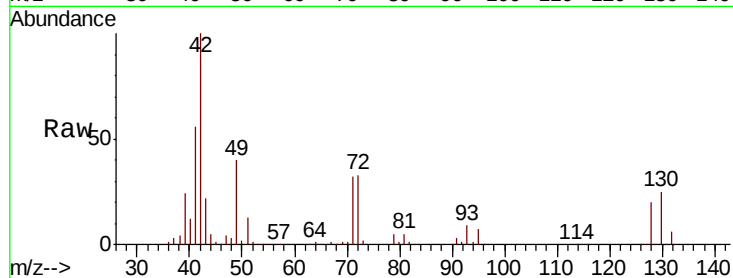




#29
Tetrahydrofuran
Concen: 249.275 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

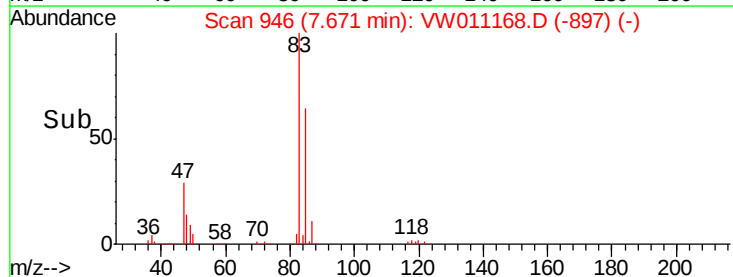
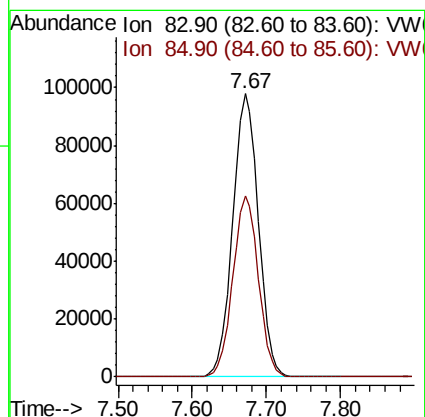
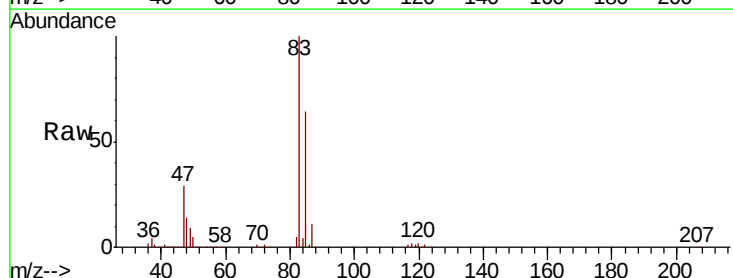
Instrument :
MSVOA_W
ClientSampled :

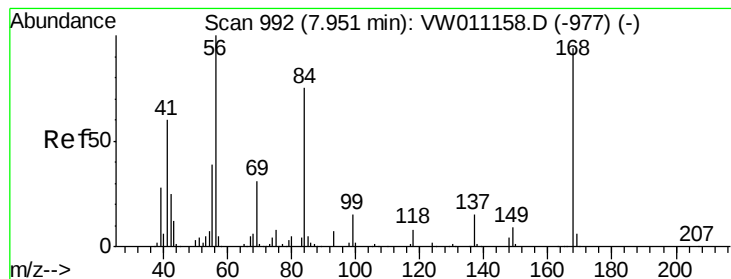
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.4	41.2
71	31.7	25.9	38.9



#30
Chloroform
Concen: 48.052 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





#31

Cyclohexane

Concen: 46.087 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampled :

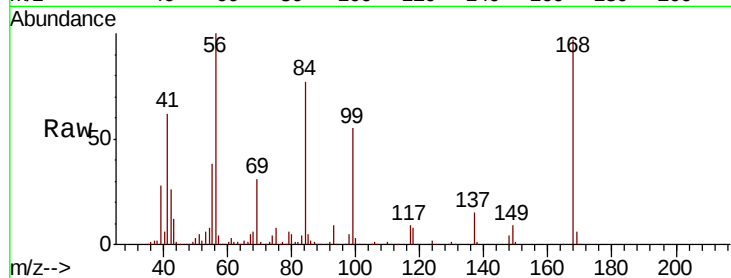
Tot Ion: 56 Resp: 260365

Ion Ratio Lower Upper

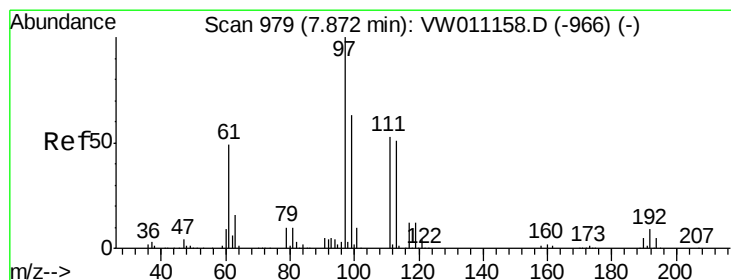
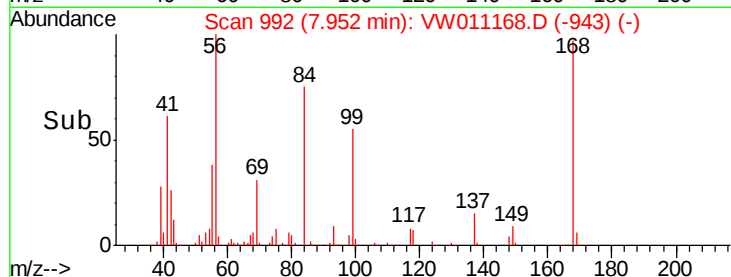
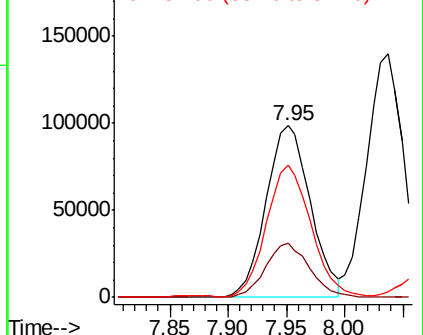
56 100

69 31.3 24.6 36.8

84 75.5 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: 47.388 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

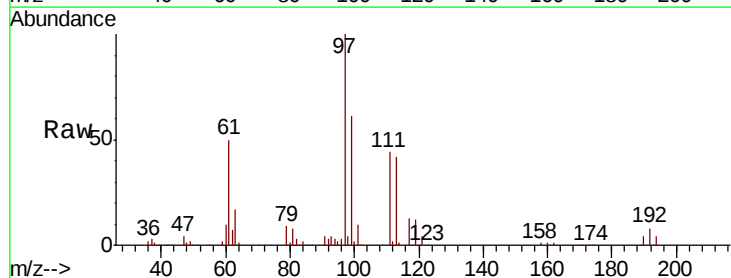
Tgt Ion: 97 Resp: 177279

Ion Ratio Lower Upper

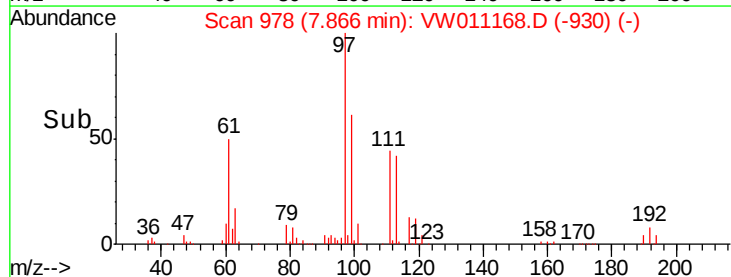
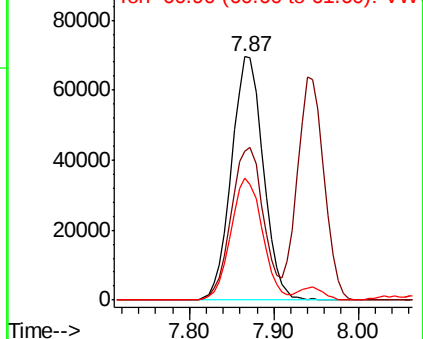
97 100

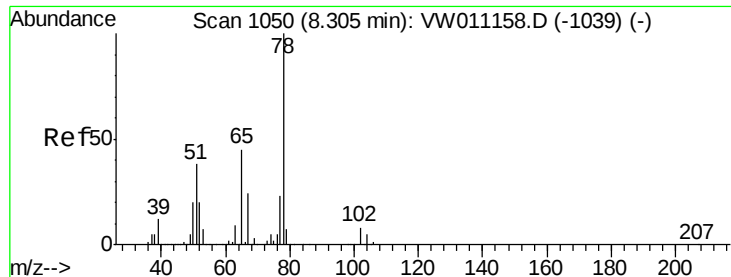
99 64.3 51.0 76.4

61 50.1 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

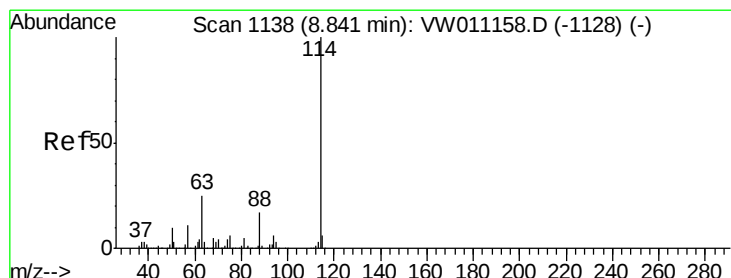
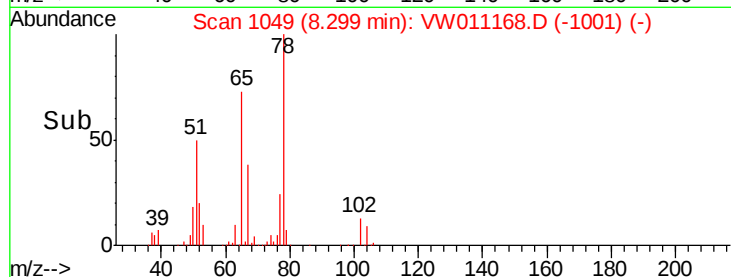
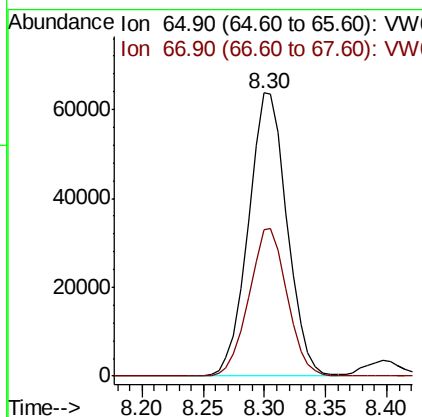
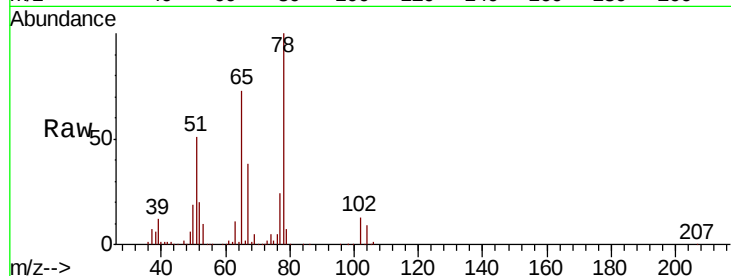




#33
 1,2-Dichloroethane-d4
 Concen: 48.081 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

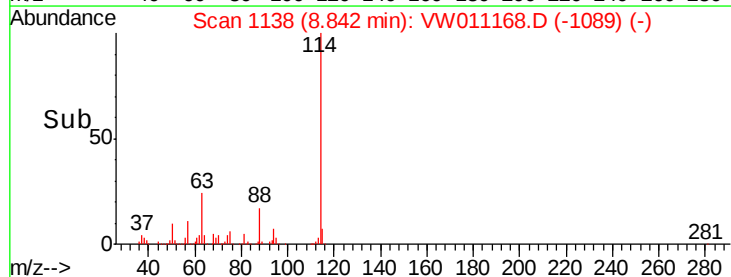
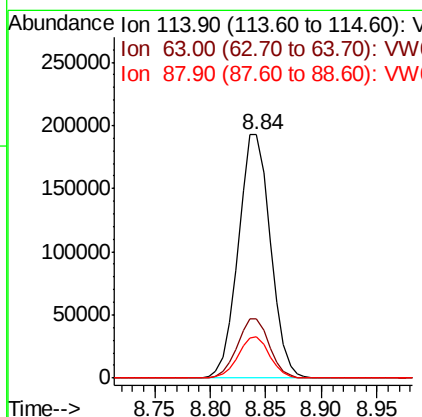
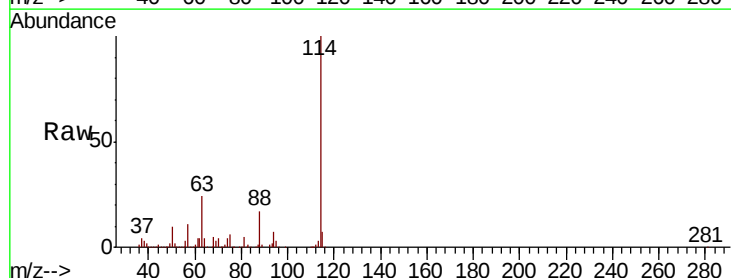
Instrument :
 MSVOA_W
 ClientSampleId :

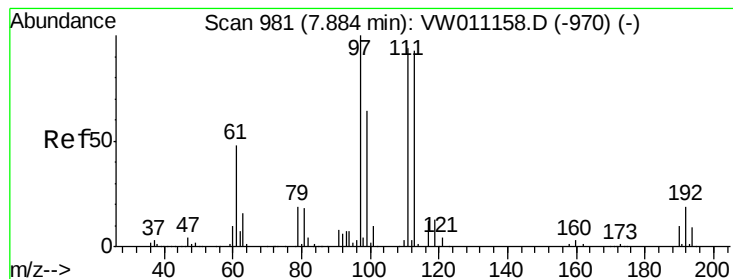
Tot Ion: 65 Resp: 140225
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 114 Resp: 387496
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.738 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

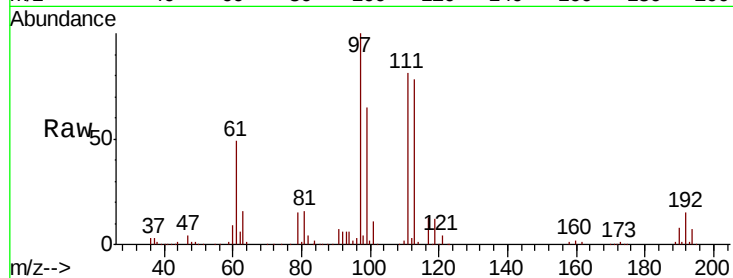
Tot Ion:113 Resp: 110259

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

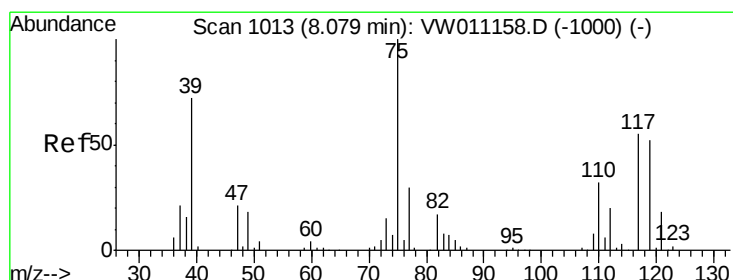
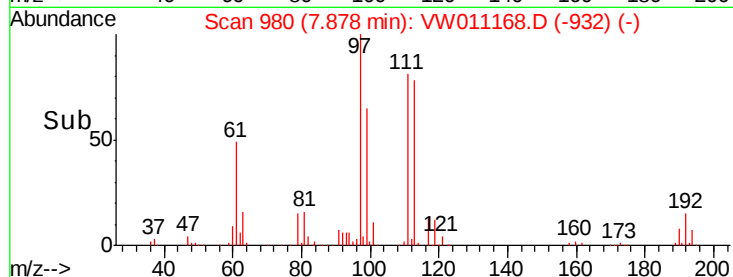
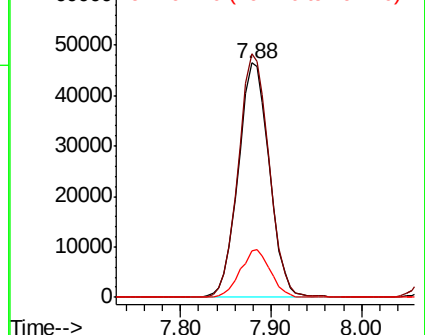
192 19.7 15.8 23.8



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: 46.802 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

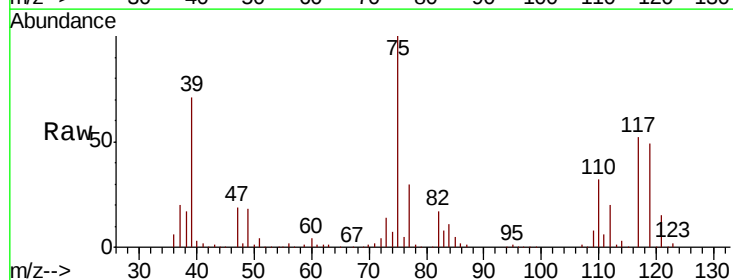
Tgt Ion: 75 Resp: 193128

Ion Ratio Lower Upper

75 100

110 31.8 15.9 47.6

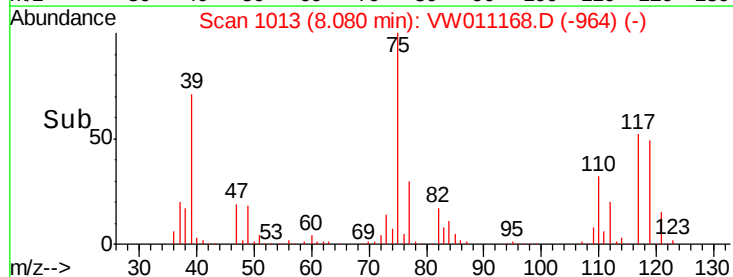
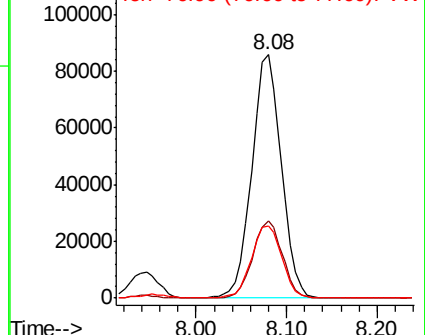
77 30.9 24.6 36.8

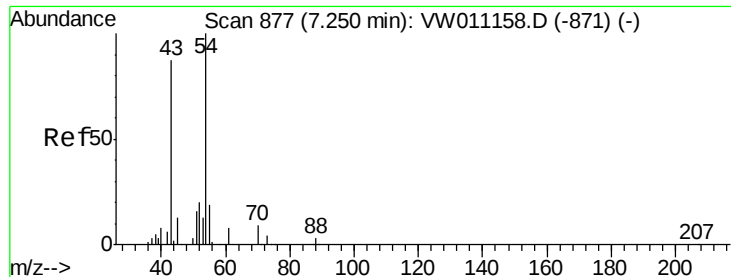


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

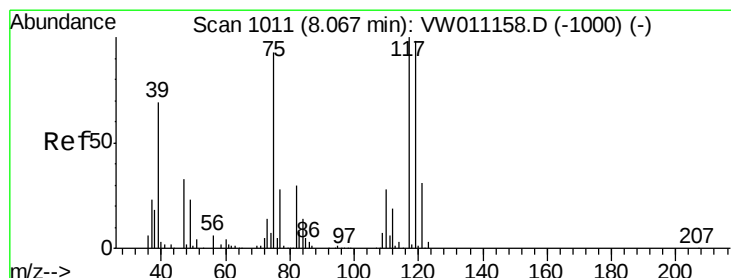
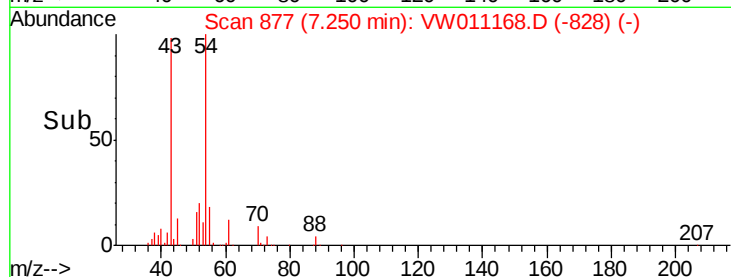
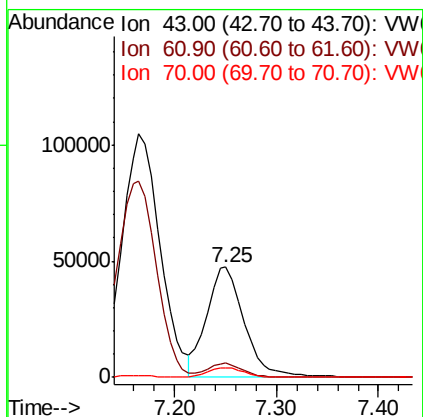
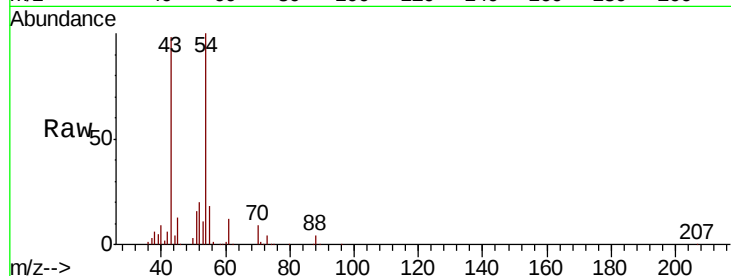




#37
Ethyl Acetate
Concen: 48.659 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

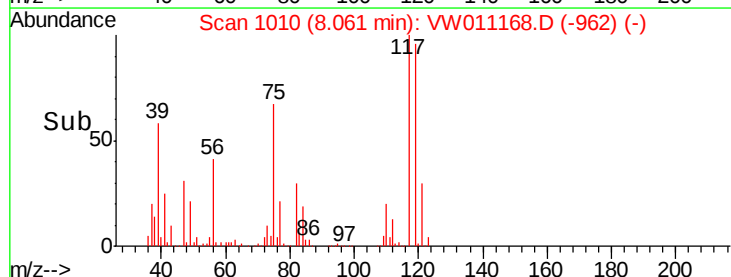
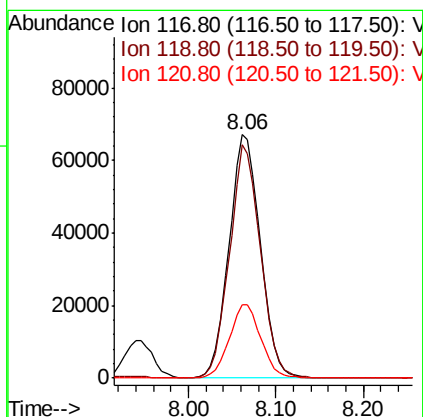
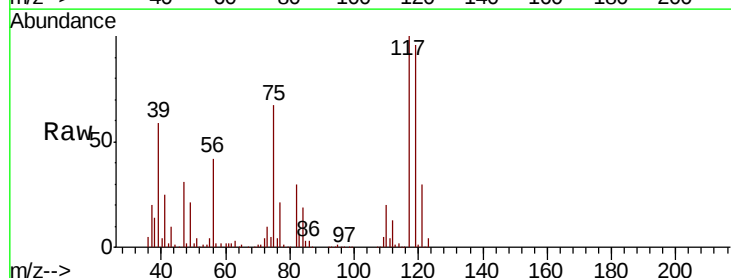
Instrument :
MSVOA_W
ClientSampleId :

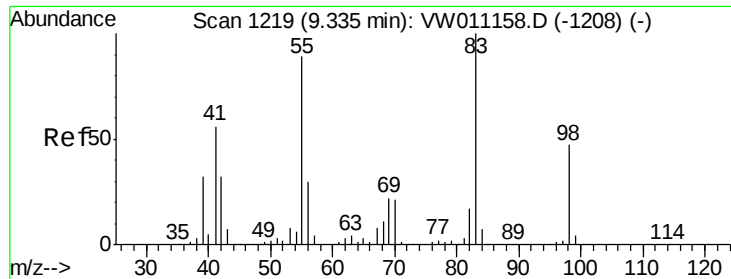
Tot Ion: 43 Resp: 120639
Ion Ratio Lower Upper
43 100
61 12.0 9.5 14.3
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.766 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 117 Resp: 167091
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1
121 30.2 25.1 37.7

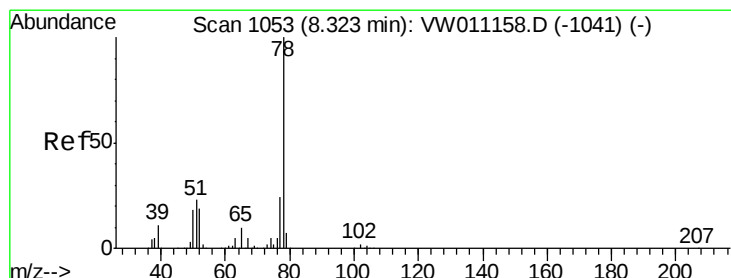
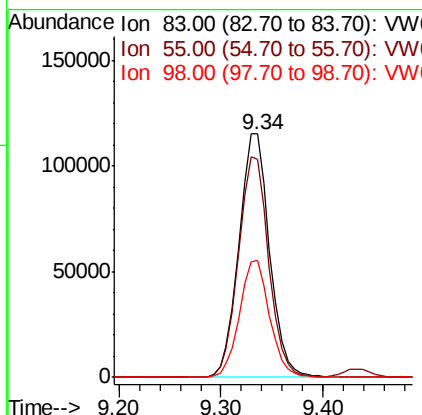
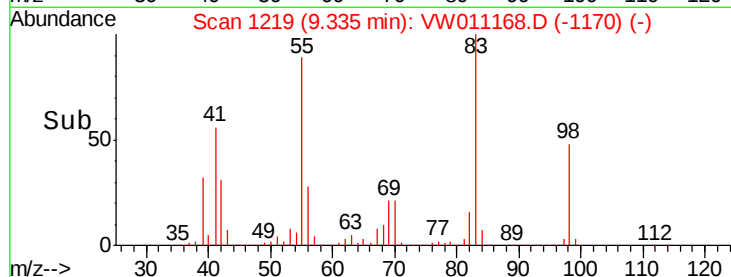
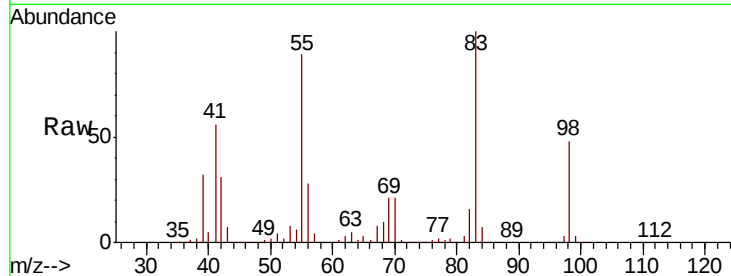




#39
Methvlcvclohexane
Concen: 48.116 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

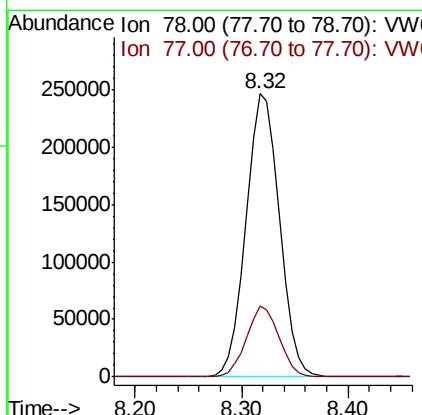
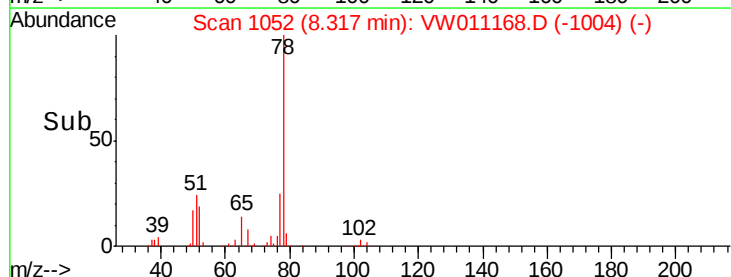
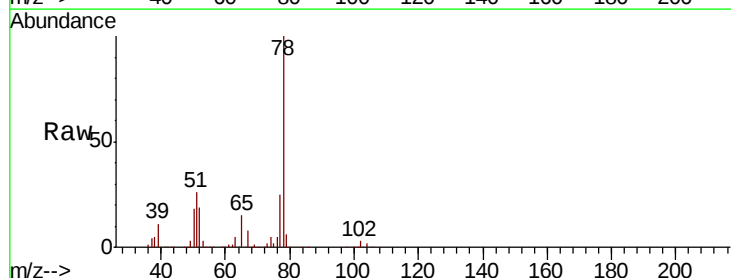
Instrument :
MSVOA_W
ClientSampled :

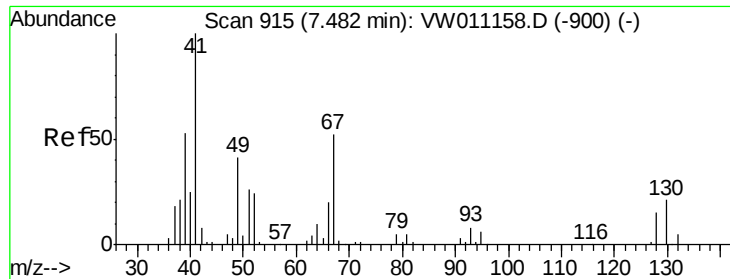
Tot Ion: 83 Resp: 240650
Ion Ratio Lower Upper
83 100
55 89.3 71.2 106.8
98 48.2 37.5 56.3



#40
Benzene
Concen: 47.772 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 78 Resp: 544793
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

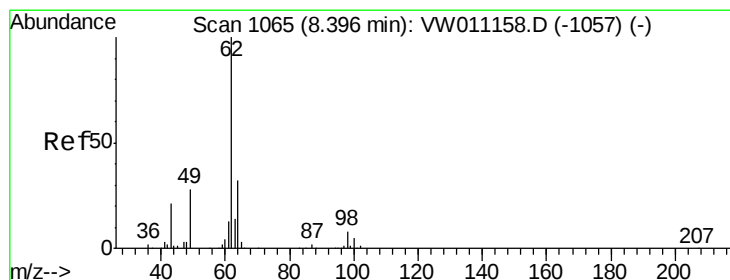
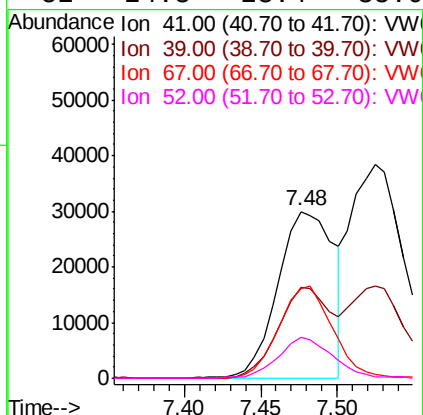
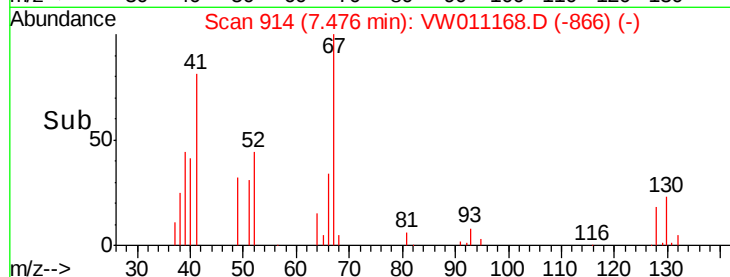
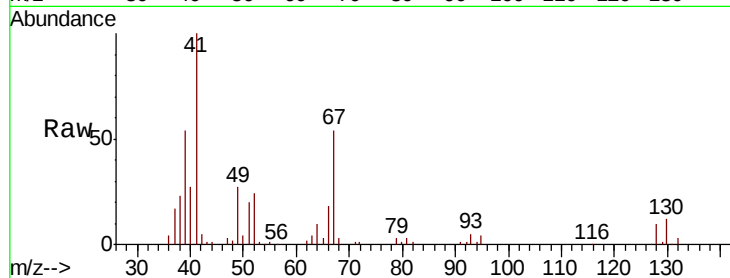




#41
Methacrylonitrile
Concen: 53.590 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

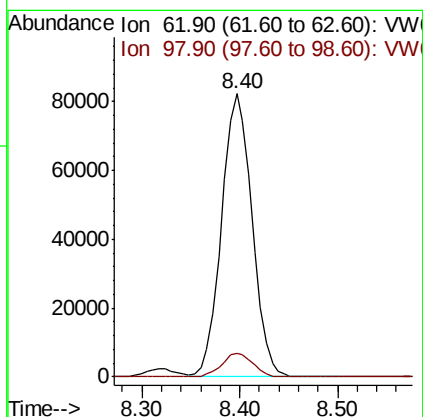
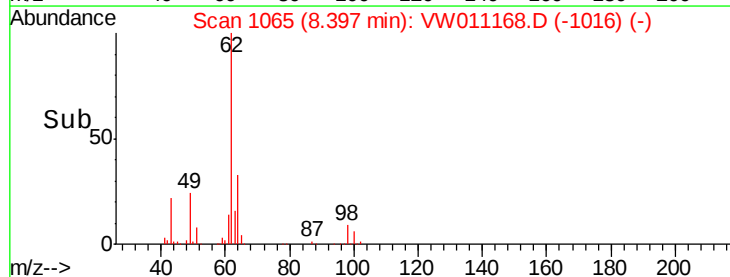
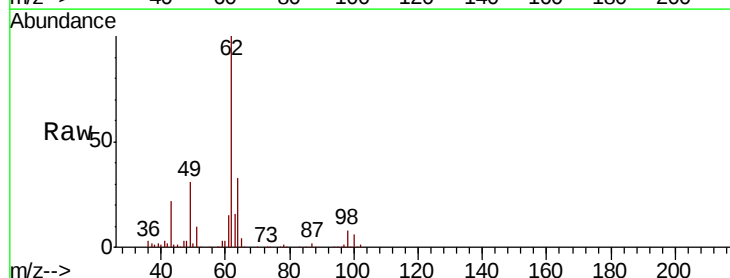
Instrument :
MSVOA_W
ClientSampleId :

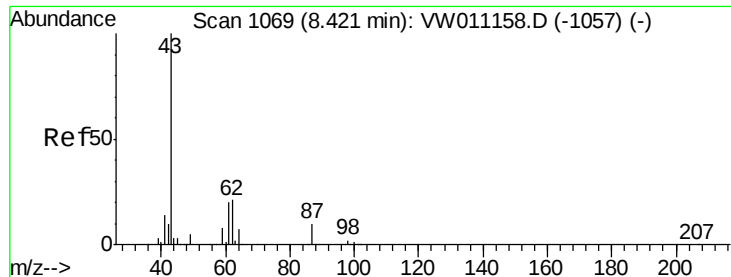
Tot Ion: 41 Resp: 75990
Ion Ratio Lower Upper
41 100
39 51.4 48.0 72.0
67 53.6 49.7 74.5
52 24.3 23.4 35.0



#42
1,2-Dichloroethane
Concen: 47.952 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 62 Resp: 177392
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.8





#43

Isopropyl Acetate

Concen: 48.798 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

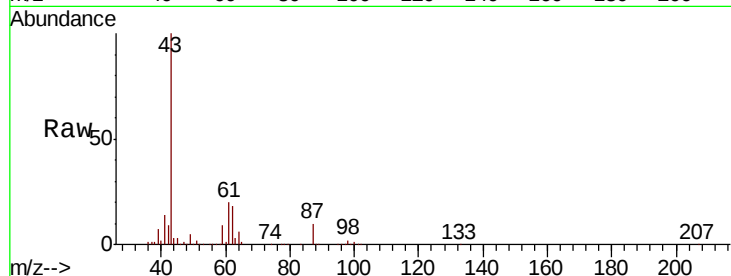
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 228417

Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.7	31.1
87	10.1	8.1	12.1

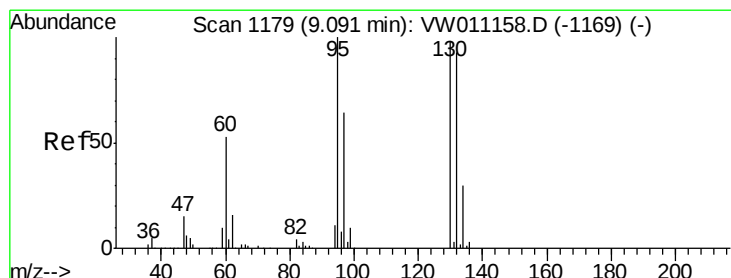
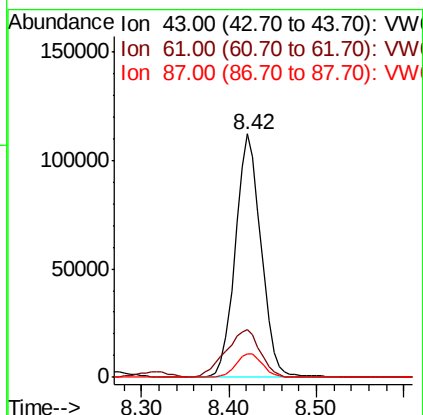
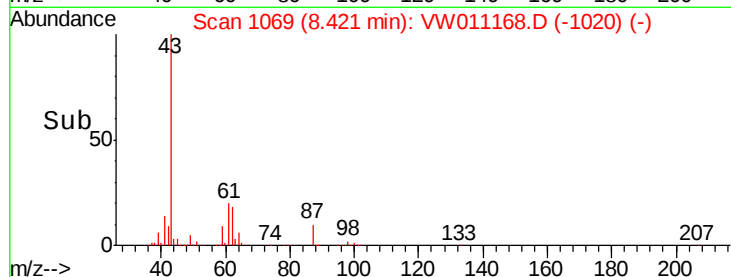


Abundance

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: 47.893 ug/l

RT: 9.09 min Scan# 1178

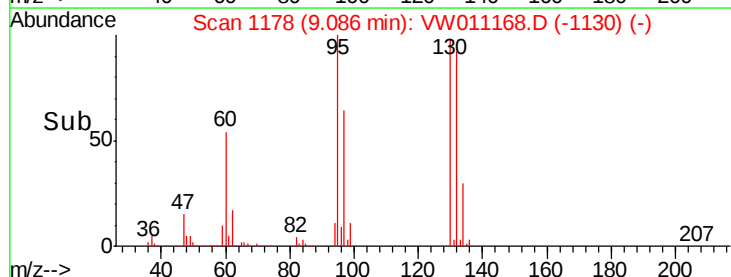
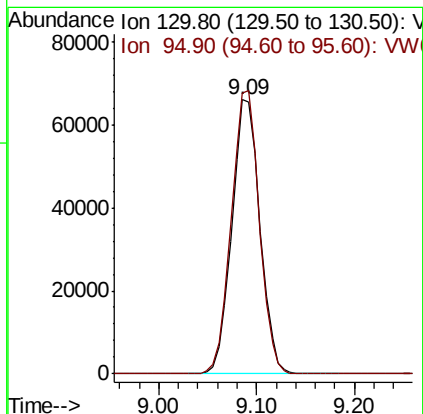
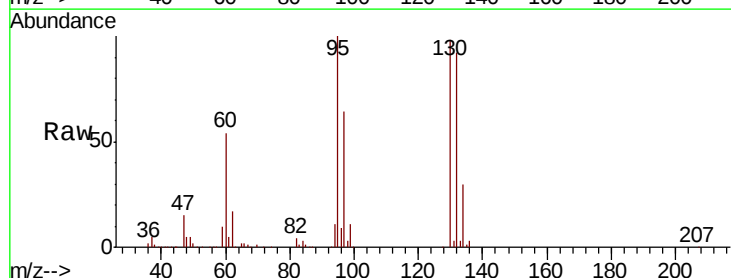
Delta R.T. -0.01 min

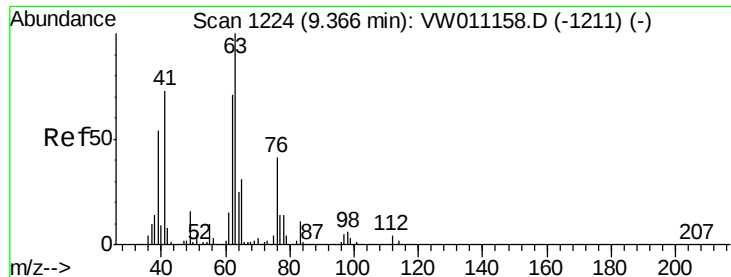
Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion: 130 Resp: 131432

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.6

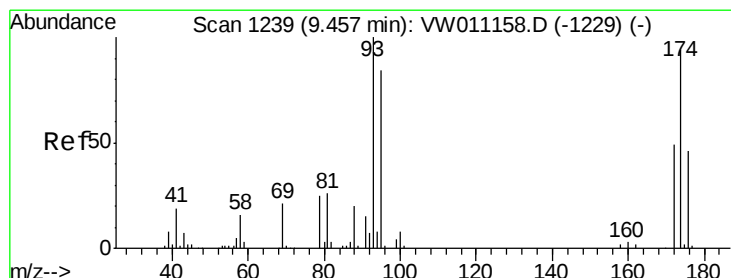
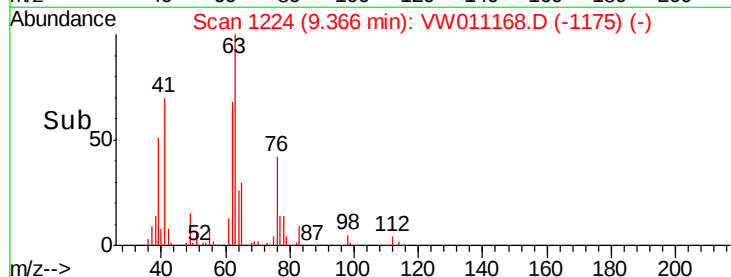
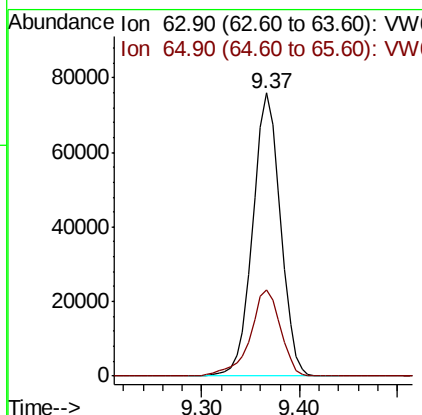
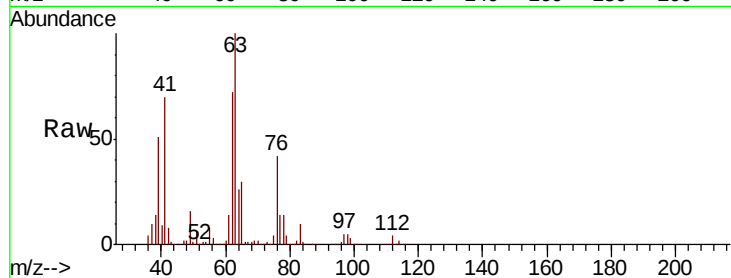




#45
 1,2-Dichloropropane
 Concen: 48.360 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

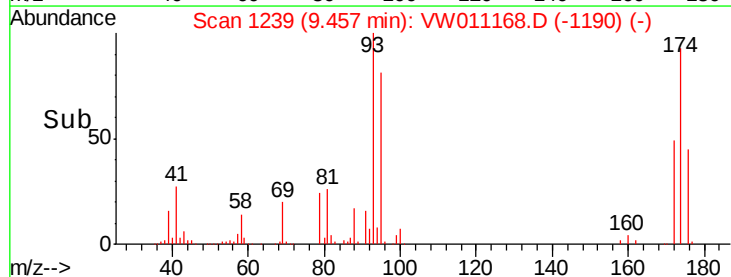
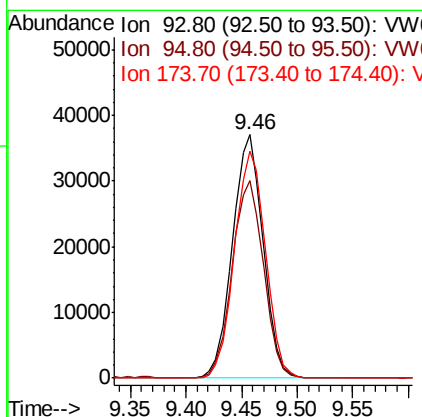
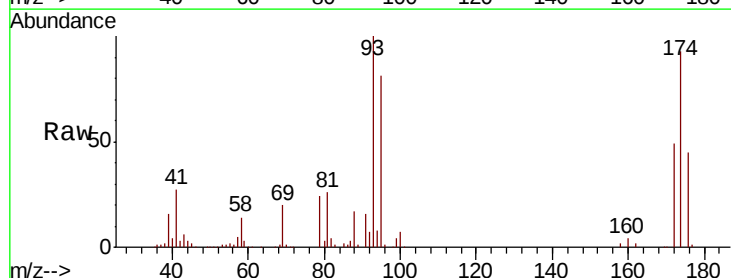
Instrument :
 MSVOA_W
 ClientSampleId :

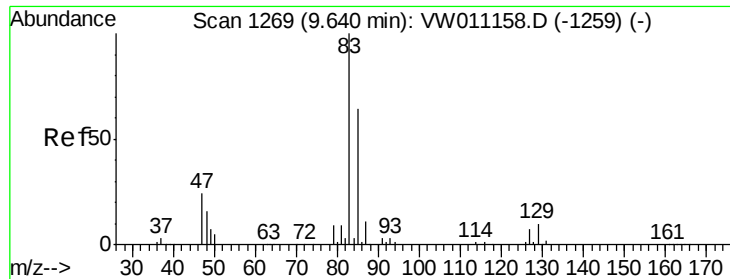
Tot Ion: 63 Resp: 149342
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6



#46
 Dibromomethane
 Concen: 48.707 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 93 Resp: 70657
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.2 100.8
 174 94.4 76.3 114.5

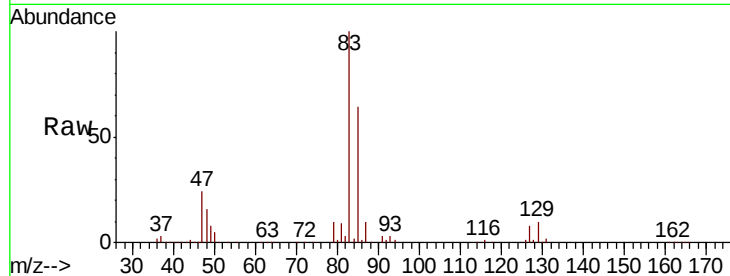




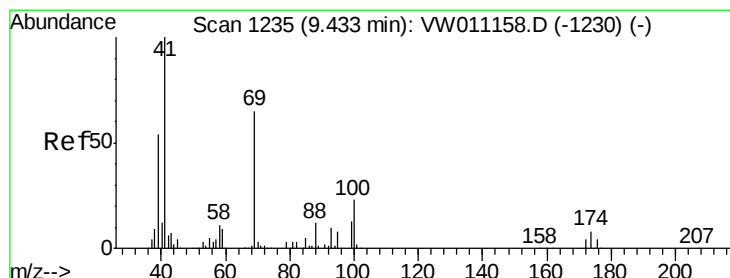
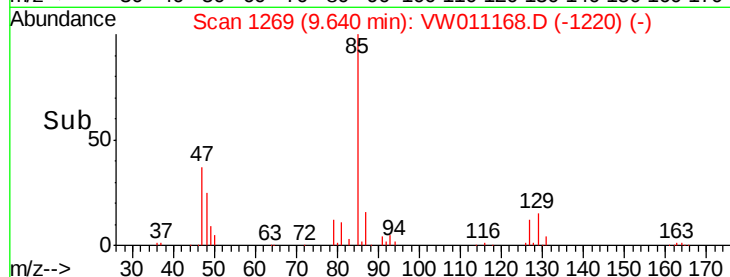
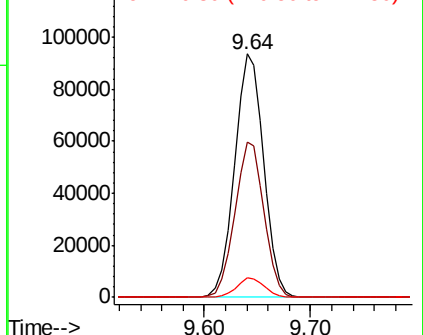
#47
Bromodichloromethane
Concen: 48.178 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	83	Resp	178826
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.0	76.4
127	7.8	6.0	9.0

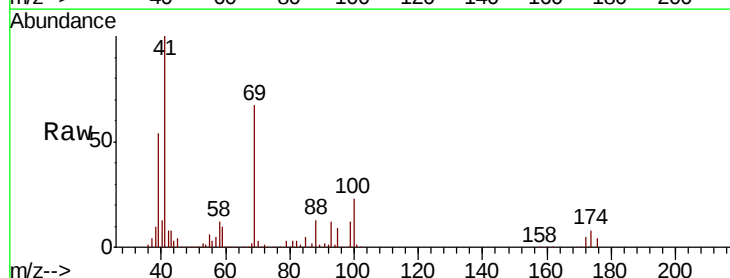


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

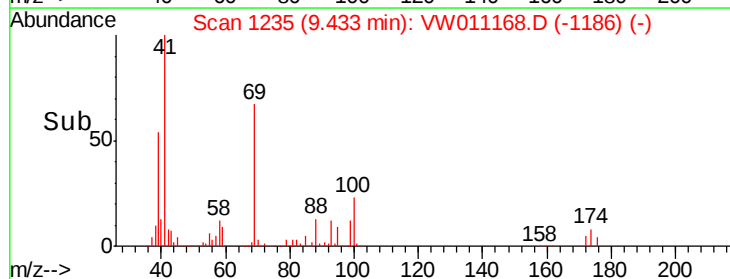
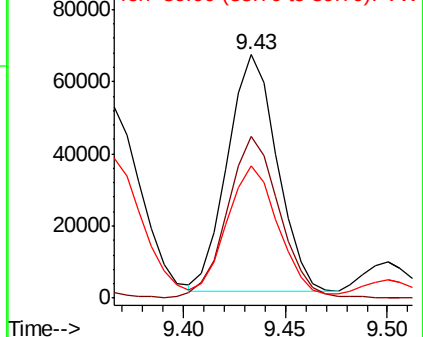


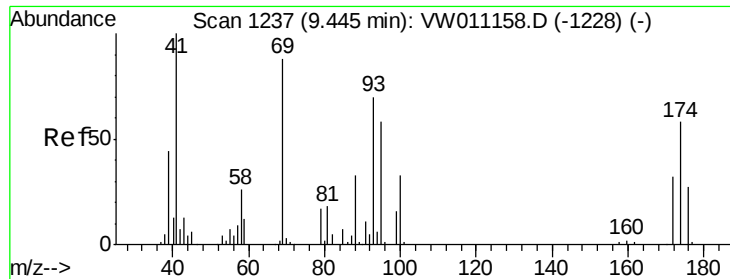
#48
Methyl methacrylate
Concen: 48.973 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	41	Resp	110284
Ion Ratio	Lower	Upper	
41	100		
69	72.6	56.0	84.0
39	54.6	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

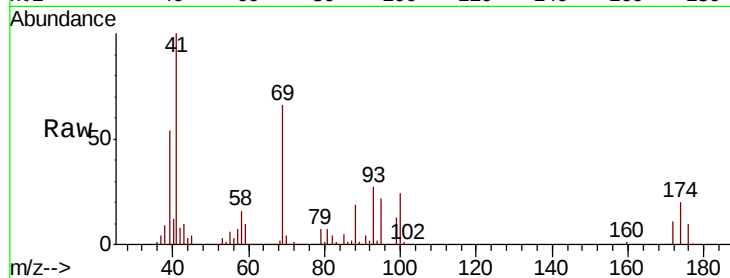




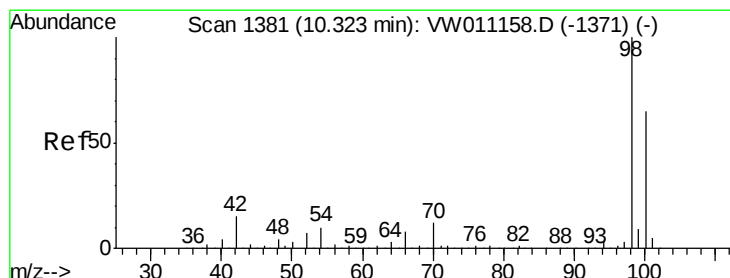
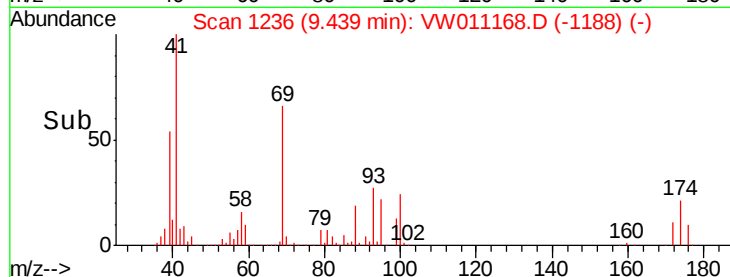
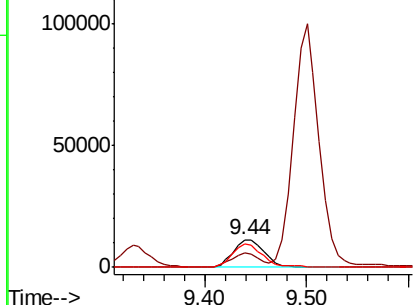
#49
1,4-Dioxane
Concen: 991.573 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 24010
Ion Ratio Lower Upper
88 100
43 46.3 33.4 50.0
58 85.2 64.5 96.7

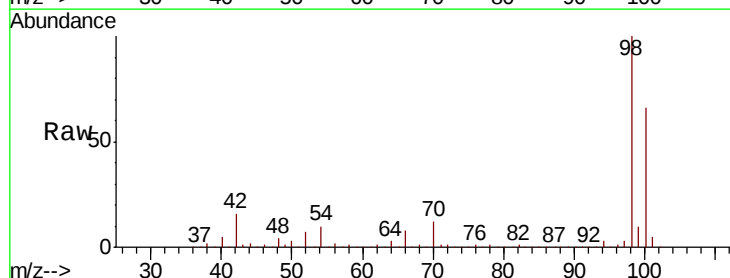


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

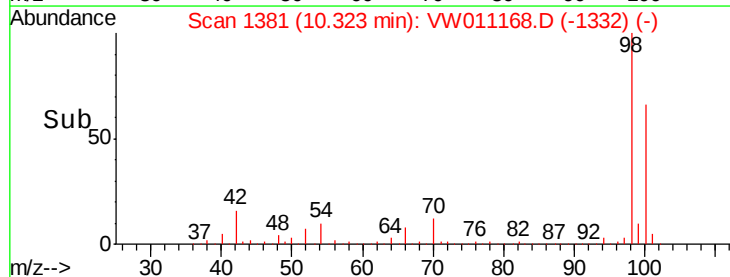
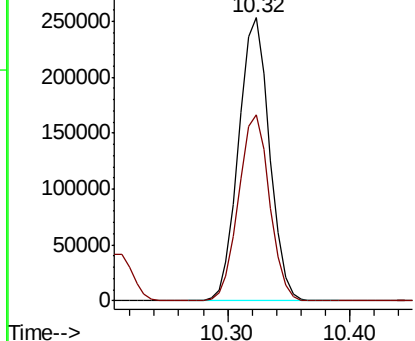


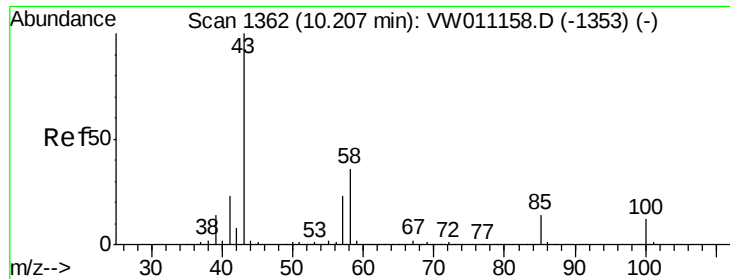
#50
Toluene-d8
Concen: 47.487 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 98 Resp: 443334
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



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

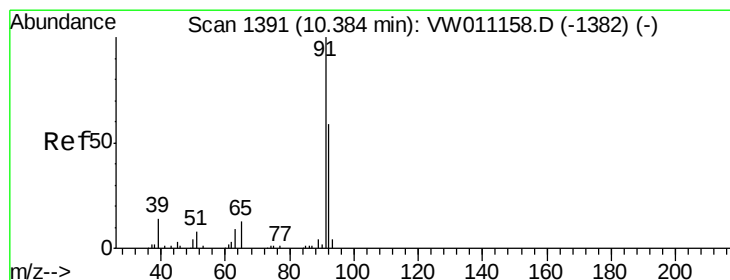
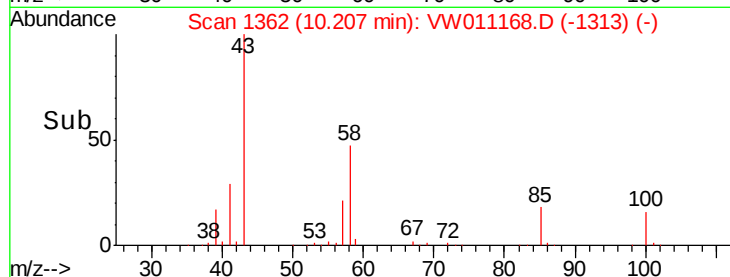
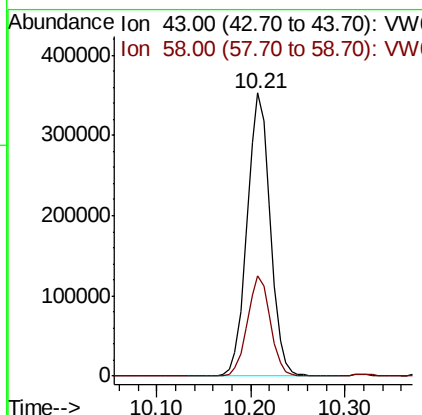
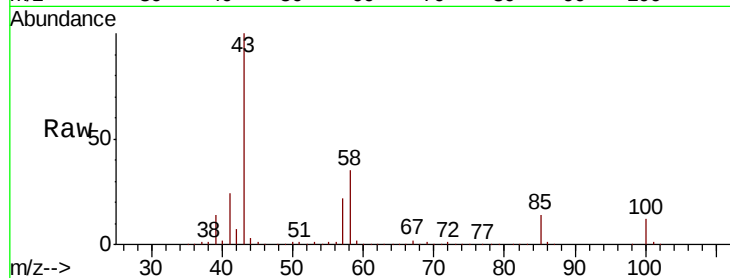




#51
4-Methyl-2-Pentanone
Concen: 247.970 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

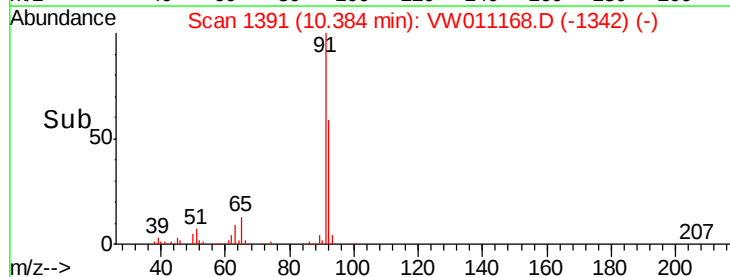
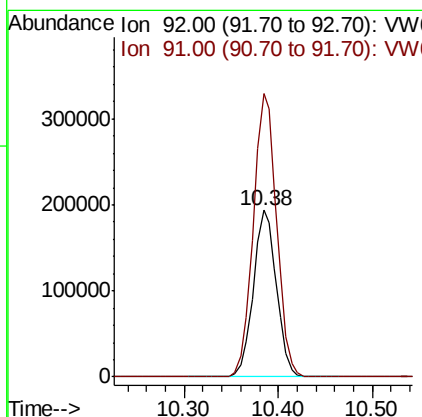
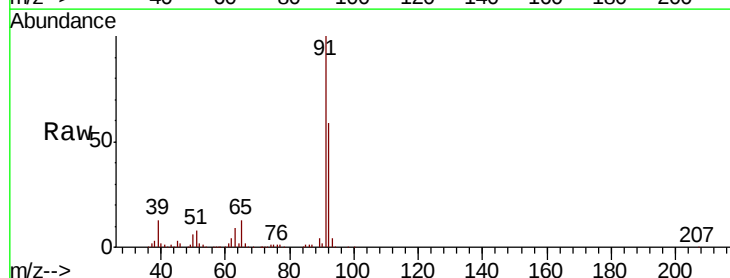
Instrument :
MSVOA_W
ClientSampled :

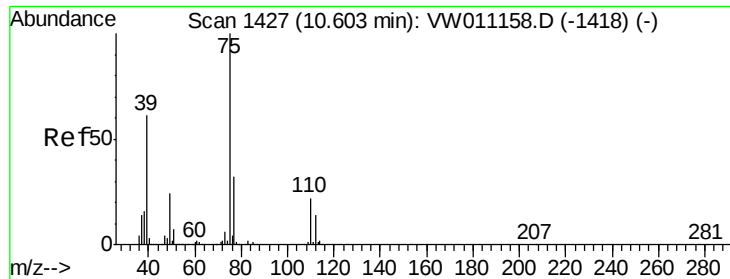
Tot Ion: 43 Resp: 606328
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.2



#52
Toluene
Concen: 48.252 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 92 Resp: 333797
Ion Ratio Lower Upper
92 100
91 172.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.735 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

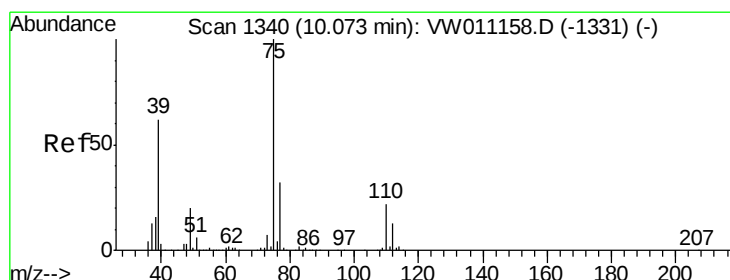
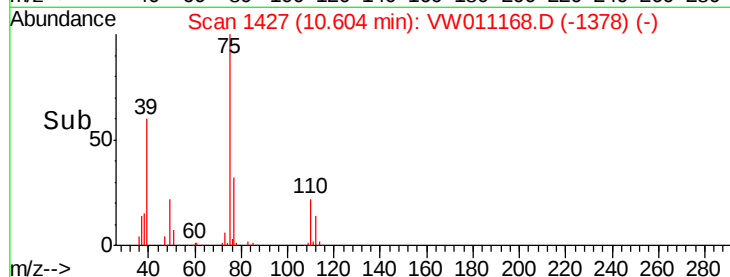
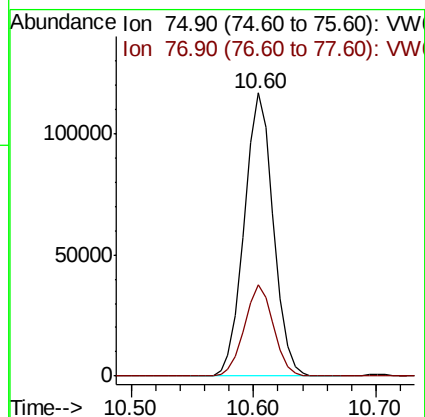
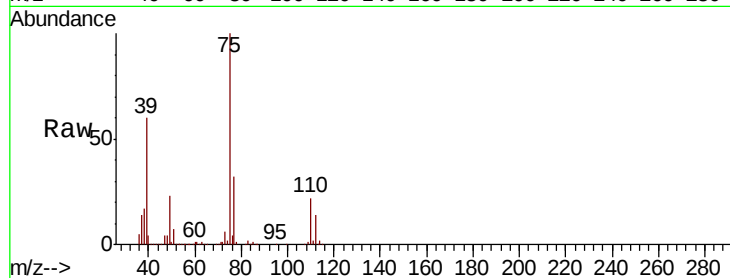
ClientSampleId :

Tot Ion: 75 Resp: 192550

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 48.724 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

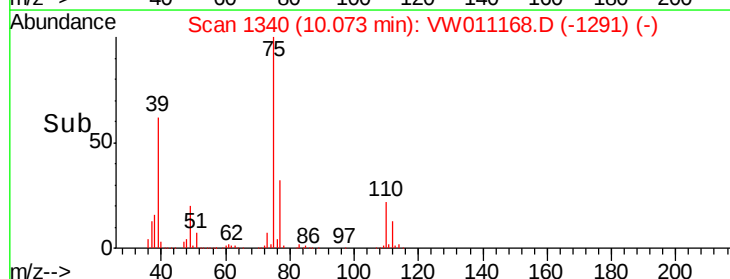
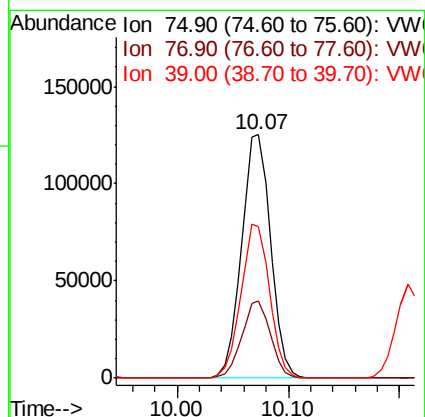
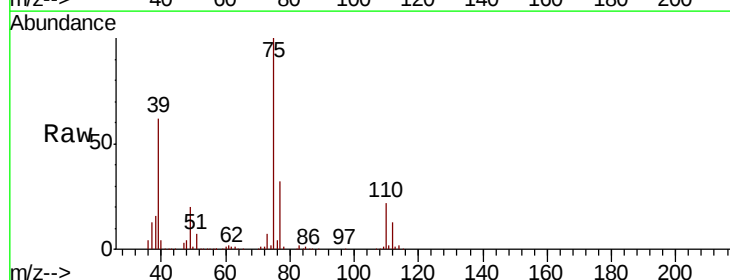
Tgt Ion: 75 Resp: 226590

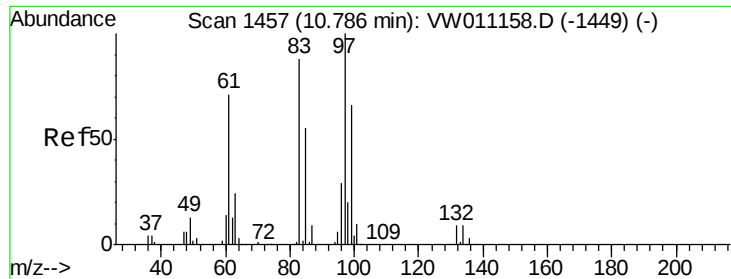
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 62.0 49.8 74.8

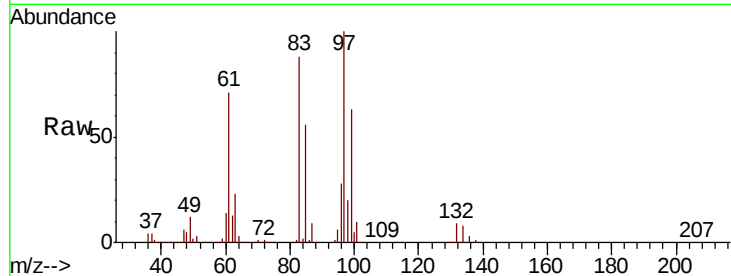




#55
 1,1,2-Trichloroethane
 Concen: 48.778 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.4
85	55.7	44.2	66.2
99	62.9	52.6	79.0



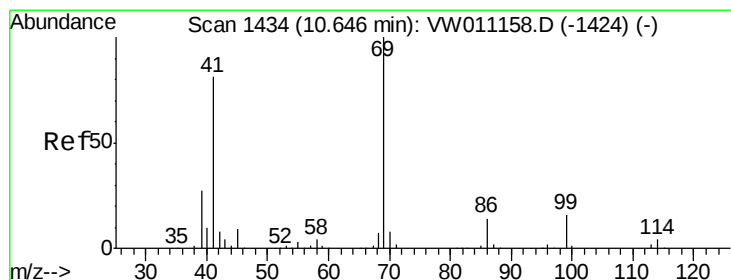
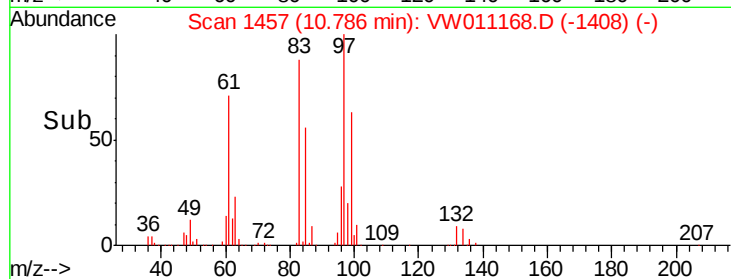
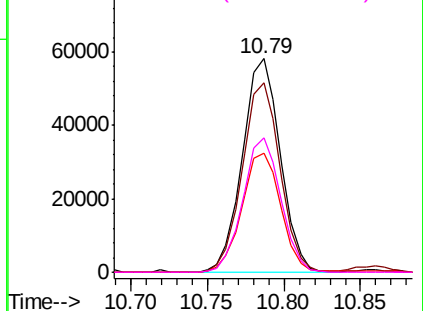
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

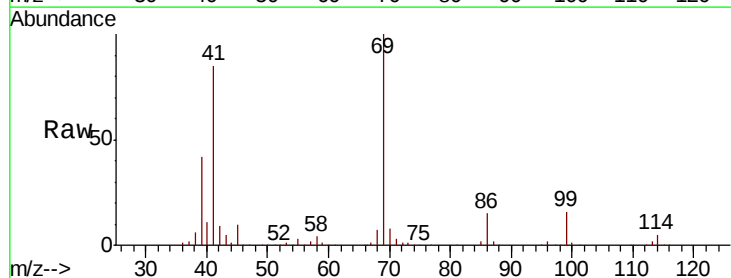
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 50.058 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.5	99.7
39	39.1	32.5	48.7

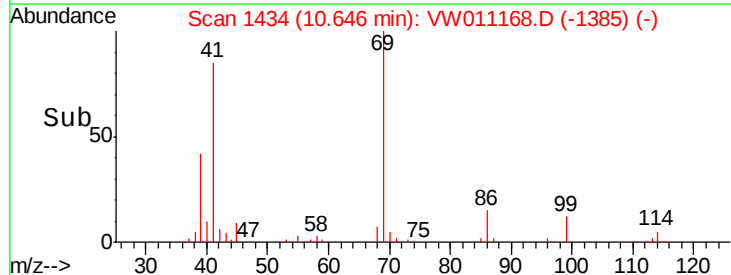
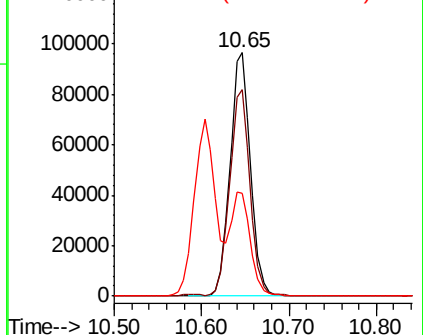


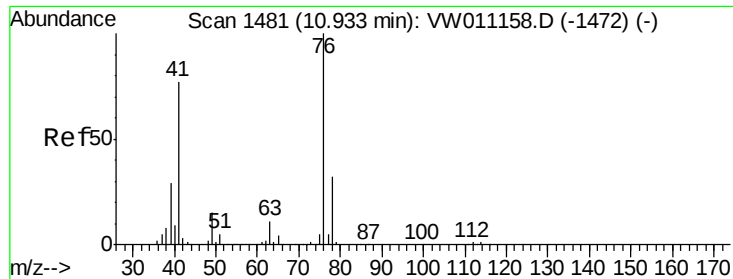
Abundance

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

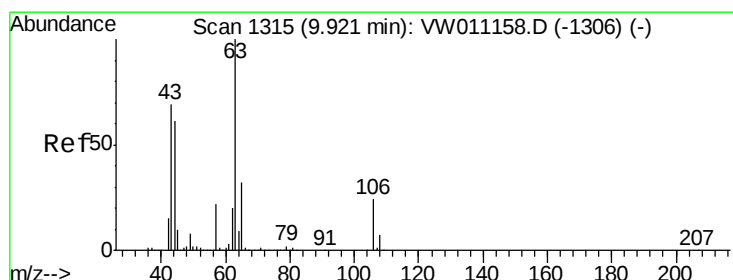
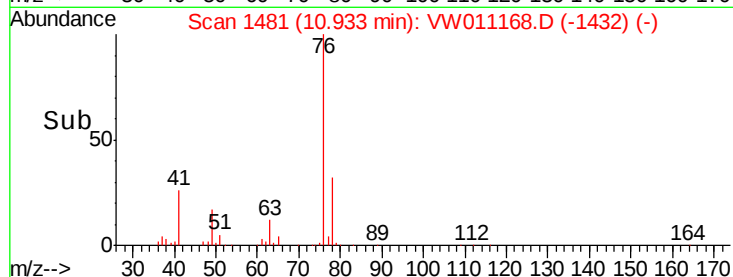
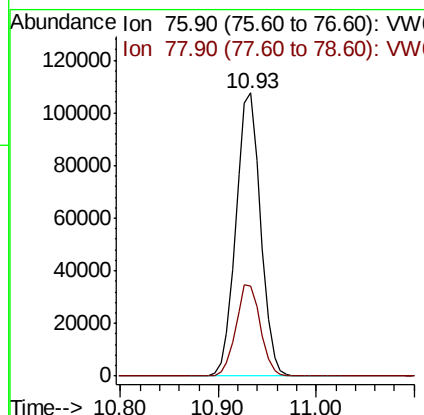
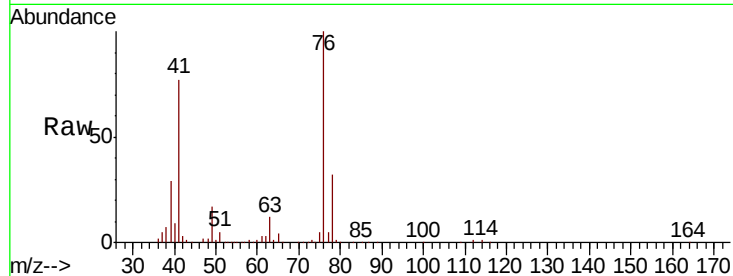




#57
 1,3-Dichloropropane
 Concen: 48.266 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

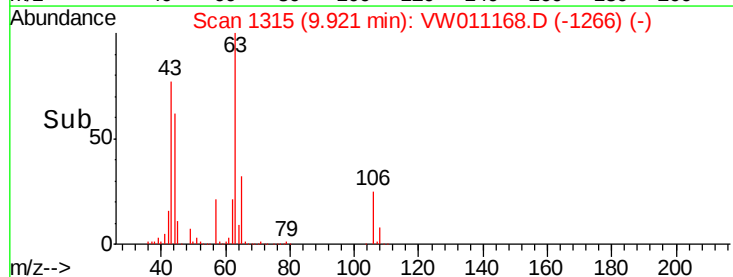
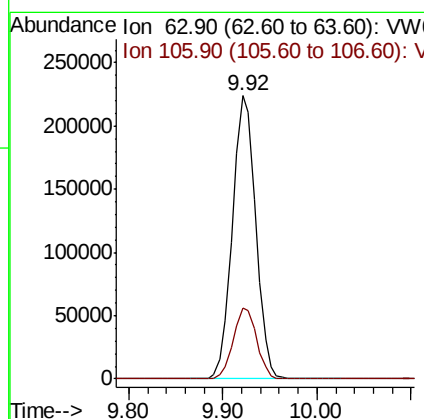
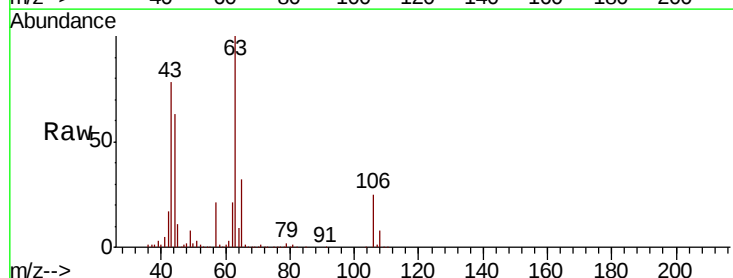
Instrument :
 MSVOA_W
 ClientSampled :

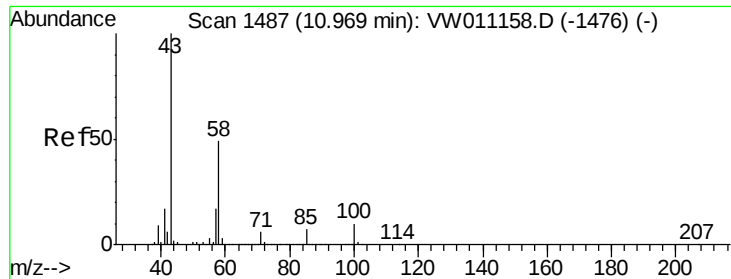
Tot Ion: 76 Resp: 187833
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.914 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 63 Resp: 384806
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.0

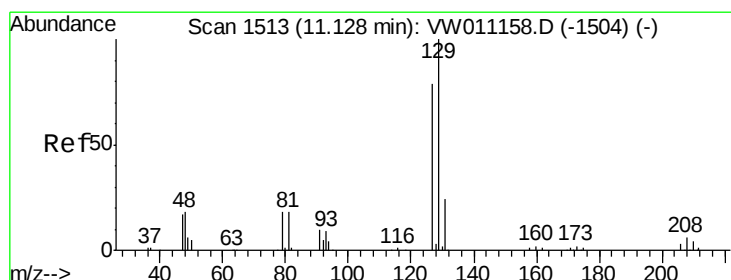
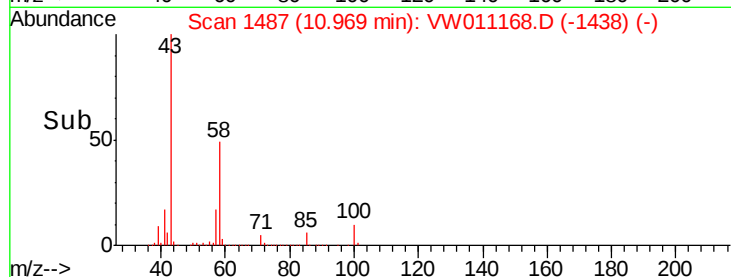
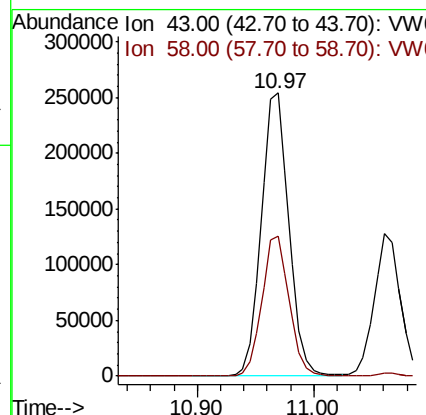
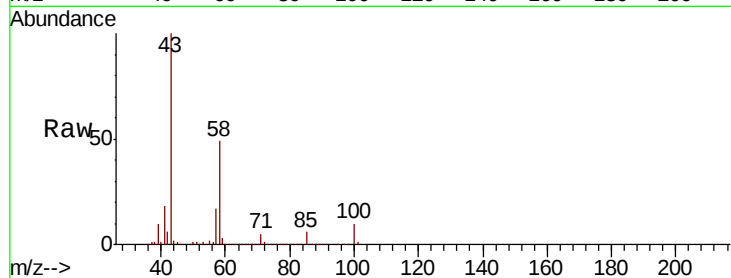




#59
2-Hexanone
Concen: 247.745 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

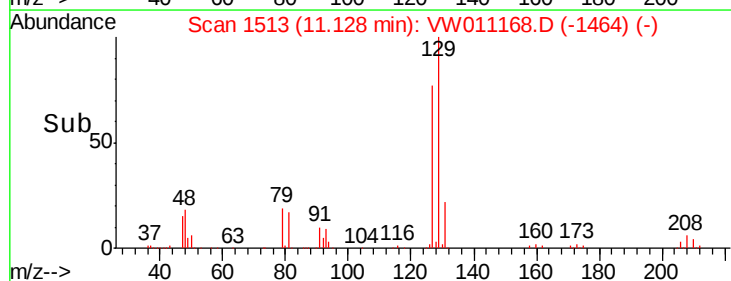
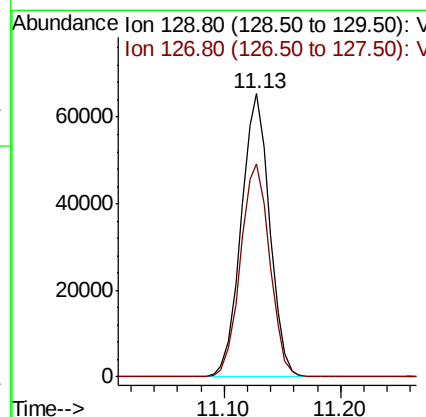
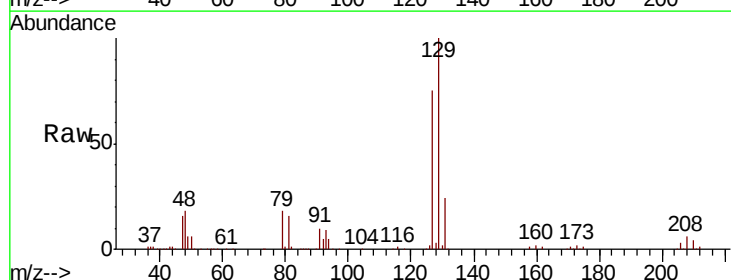
Instrument :
MSVOA_W
ClientSampled :

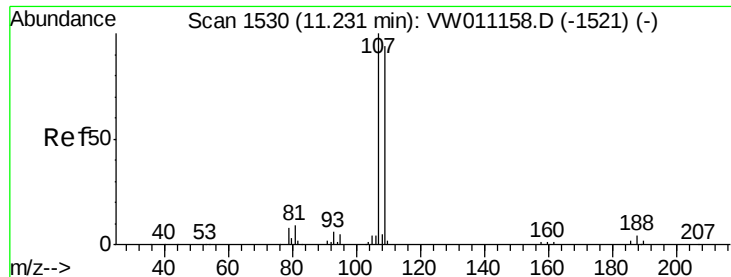
Tot Ion: 43 Resp: 420106
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4



#60
Dibromochloromethane
Concen: 49.389 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 129 Resp: 111457
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

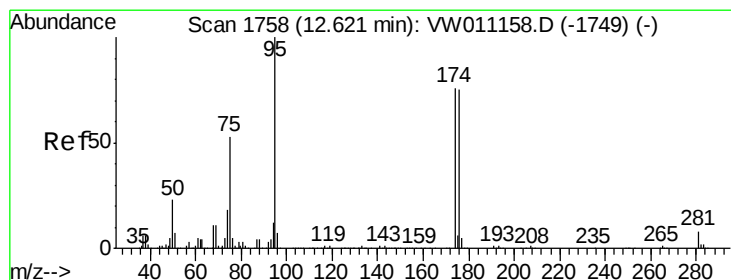
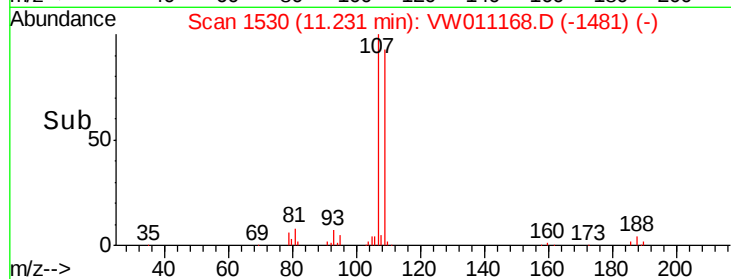
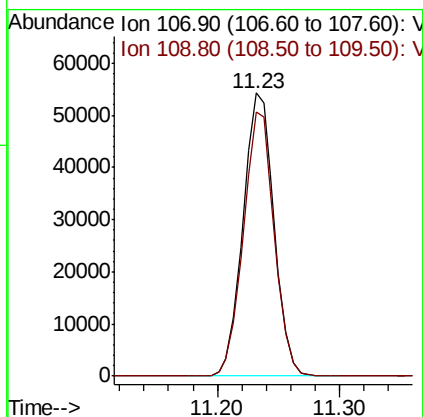
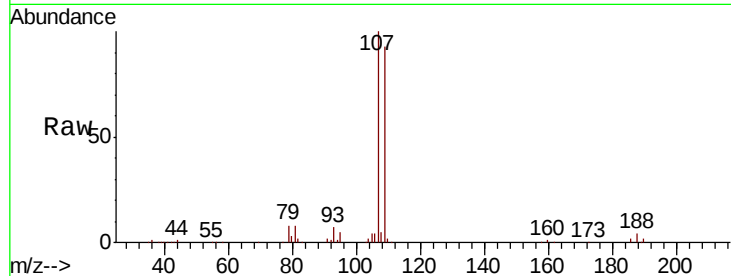




#61
 1,2-Dibromoethane
 Concen: 48.842 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

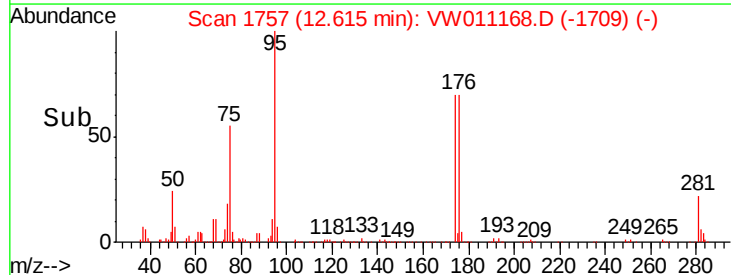
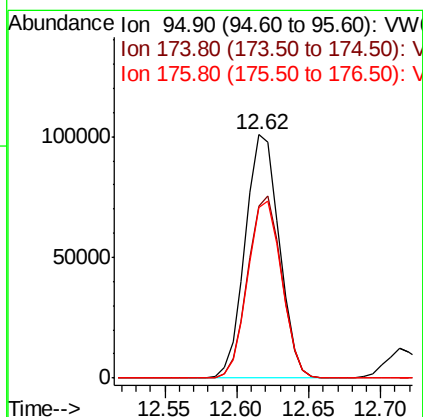
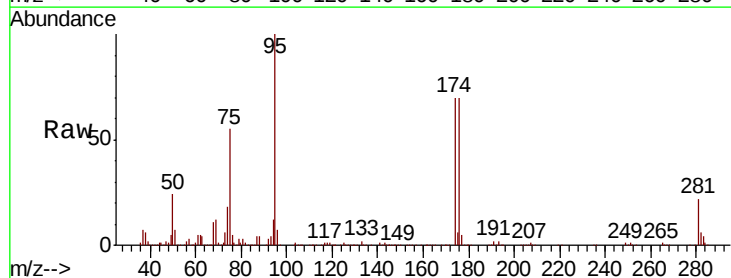
Instrument :
 MSVOA_W
 ClientSampled :

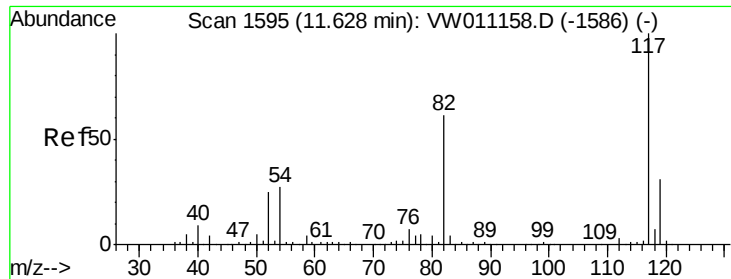
Tot Ion: 107 Resp: 95212
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.305 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 95 Resp: 165298
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 147.6
 176 72.5 0.0 144.6

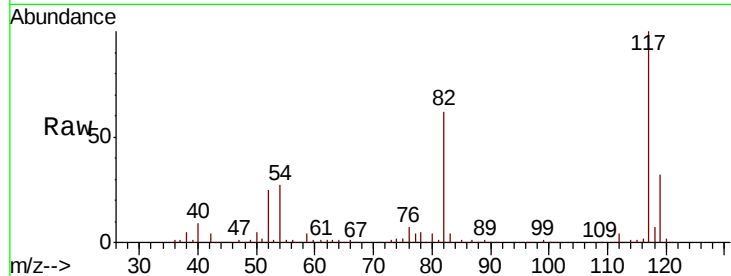




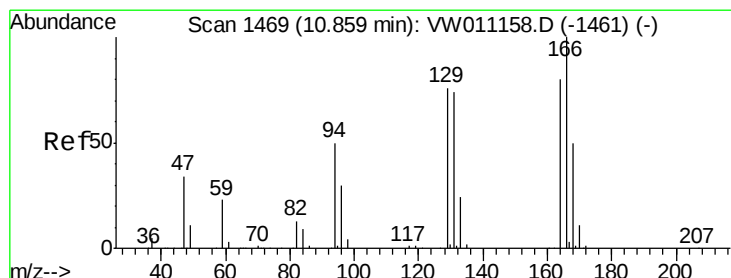
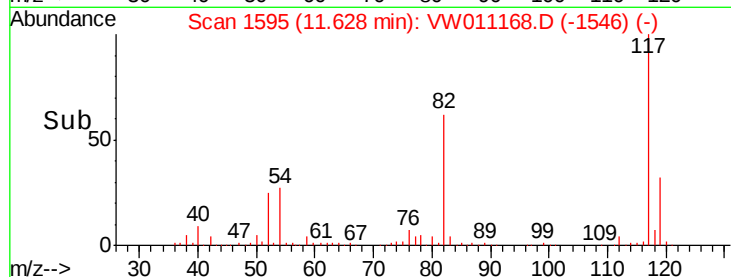
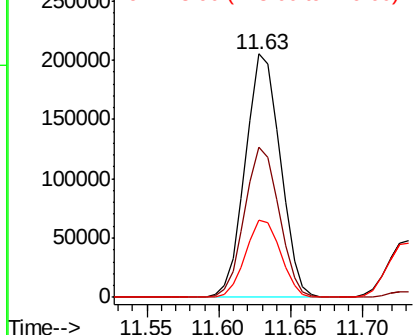
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 346138
Ion Ratio Lower Upper
117 100
82 61.6 48.9 73.3
119 31.7 25.0 37.6

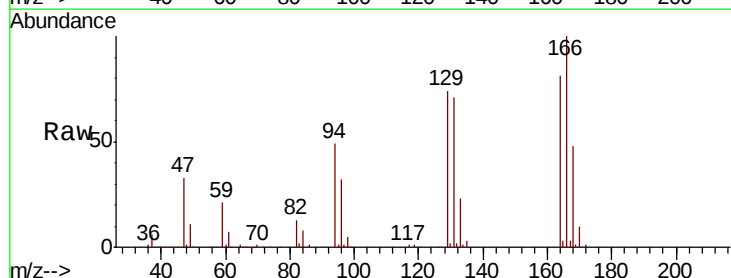


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

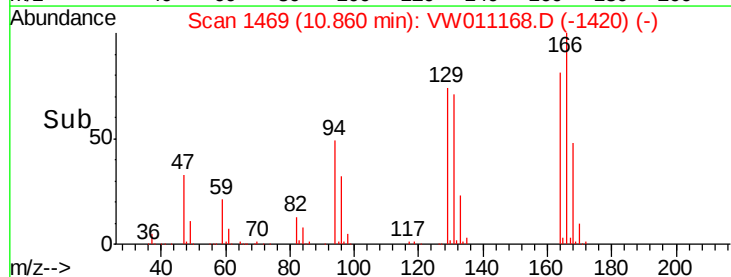
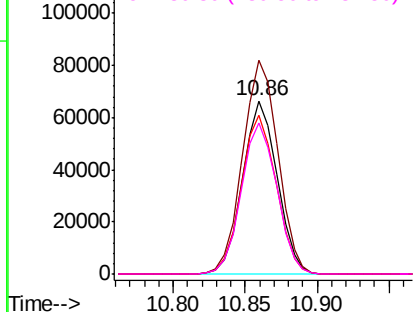


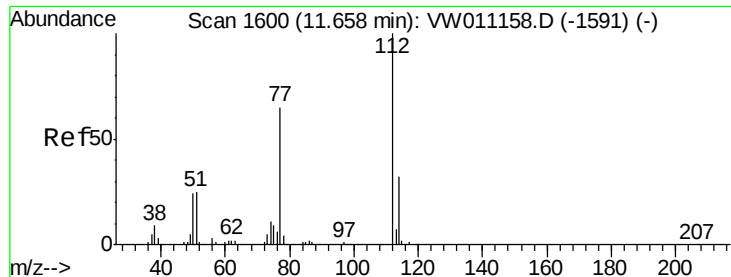
#64
Tetrachloroethene
Concen: 47.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:164 Resp: 110387
Ion Ratio Lower Upper
164 100
166 123.2 99.7 149.5
129 91.6 76.2 114.2
131 87.3 74.0 111.0



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

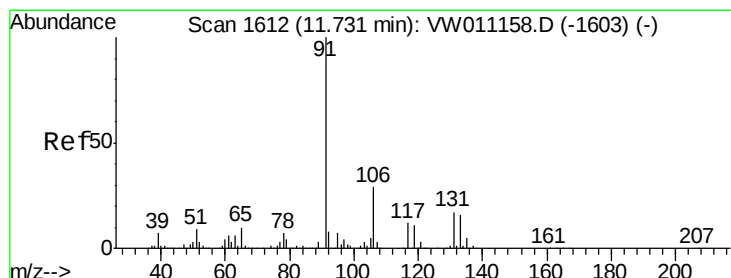
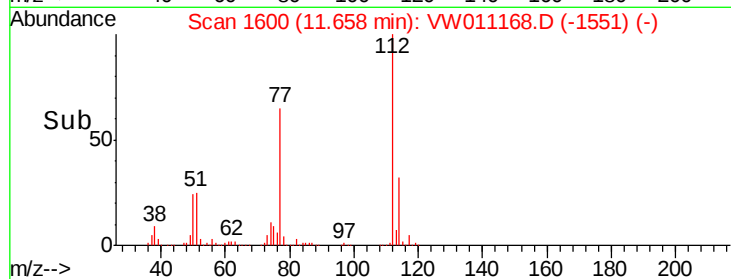
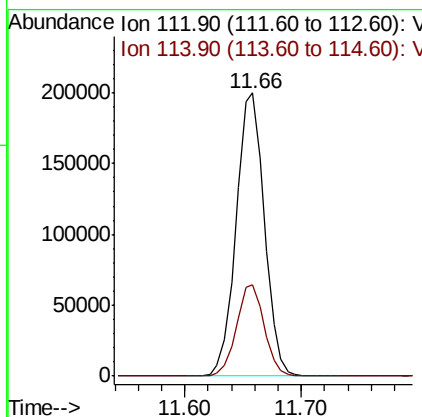
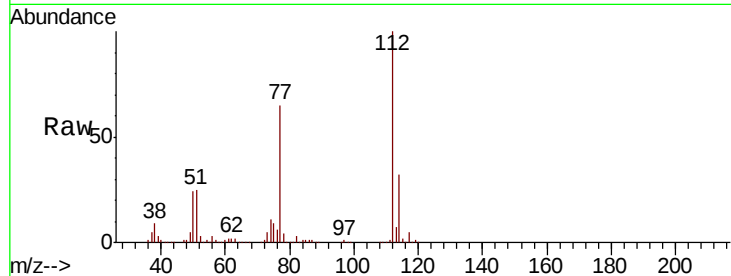




#65
Chlorobenzene
Concen: 47.973 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

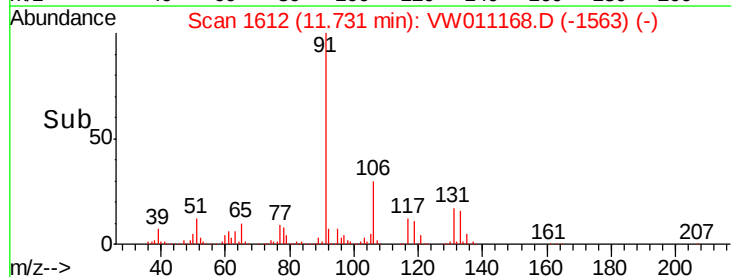
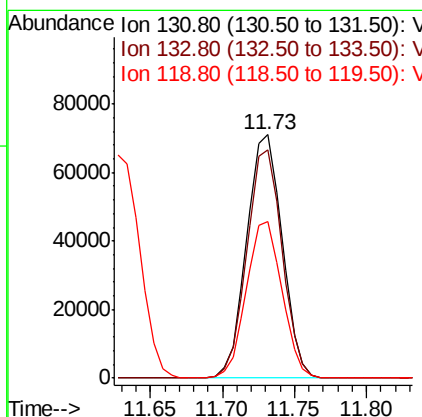
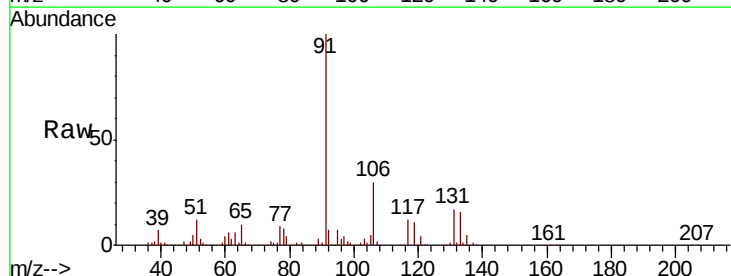
Instrument :
MSVOA_W
ClientSampleId :

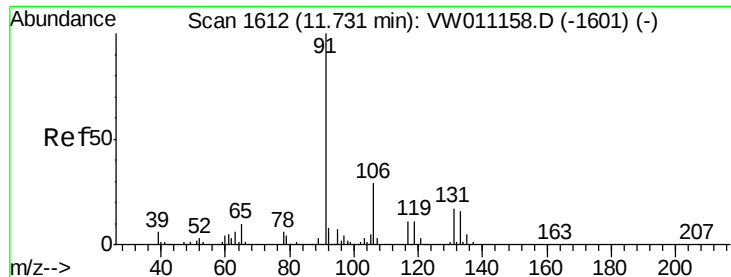
Tot Ion:112 Resp: 337602
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 48.936 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:131 Resp: 121256
Ion Ratio Lower Upper
131 100
133 93.2 47.9 143.8
119 64.5 33.1 99.2

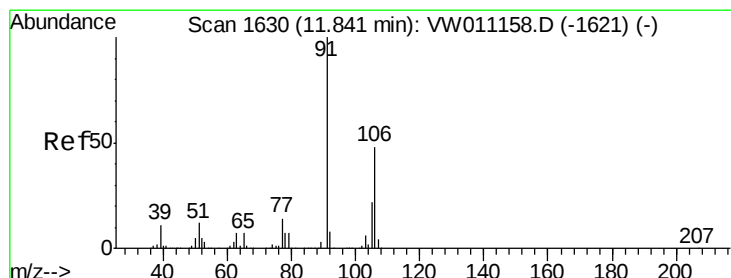
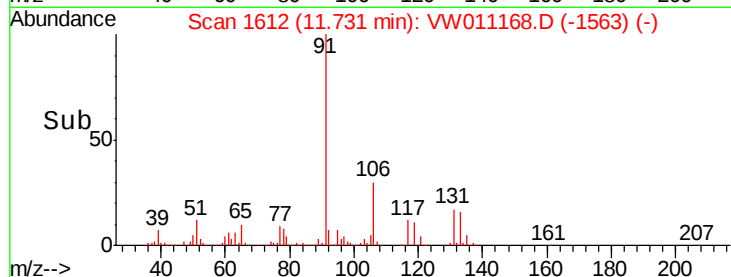
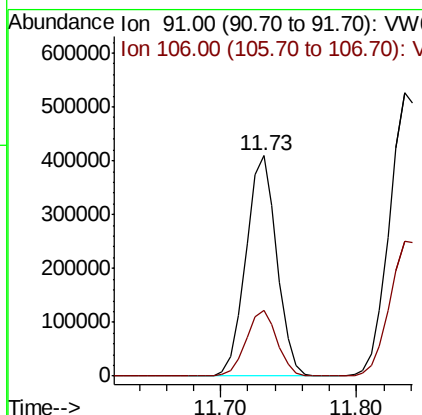
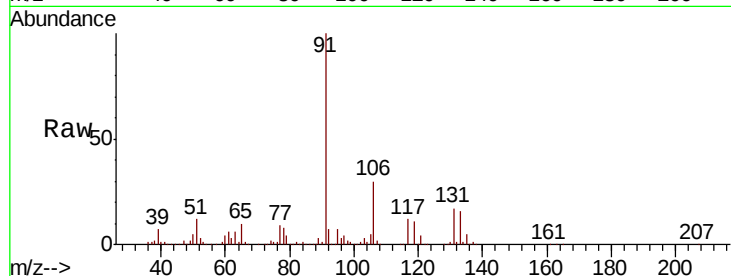




#67
Ethyl Benzene
Concen: 48.261 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

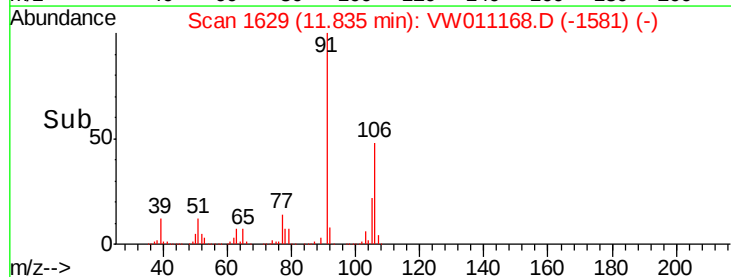
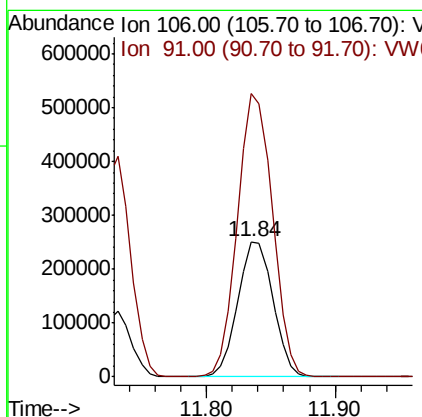
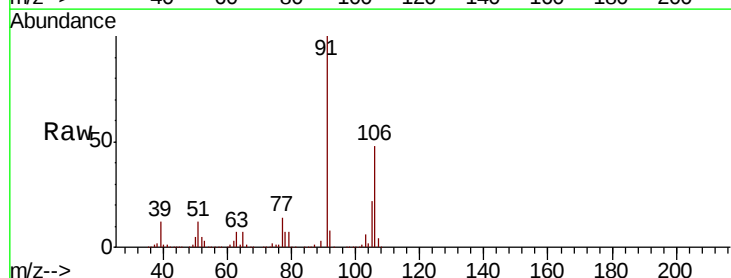
Instrument :
MSVOA_W
ClientSampled :

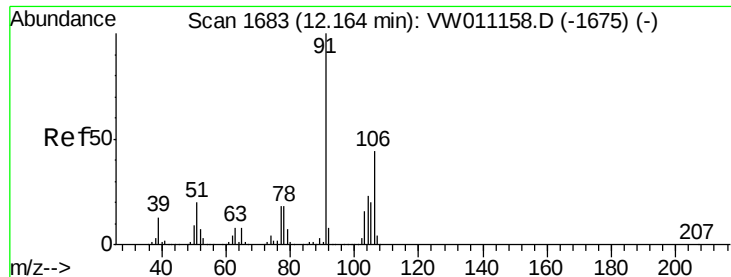
Tot Ion: 91 Resp: 650173
Ion Ratio Lower Upper
91 100
106 29.7 23.5 35.3



#68
m/p-Xylenes
Concen: 97.730 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 106 Resp: 476409
Ion Ratio Lower Upper
106 100
91 208.5 167.7 251.5

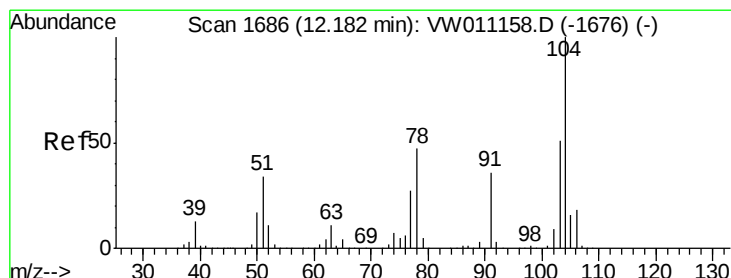
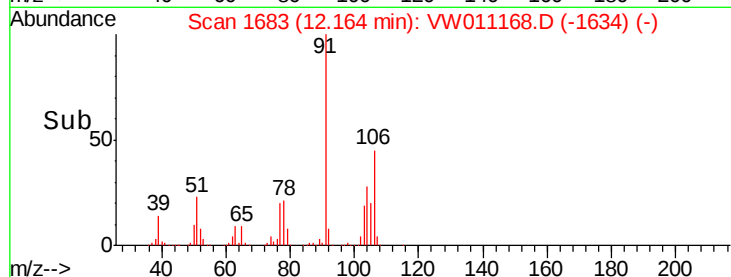
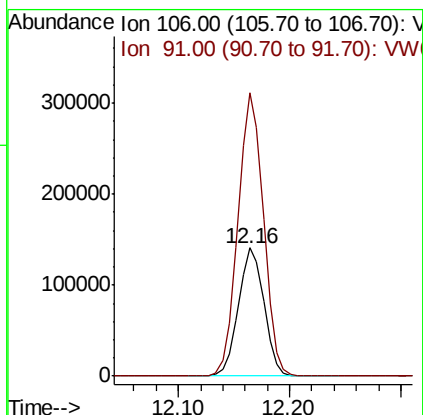
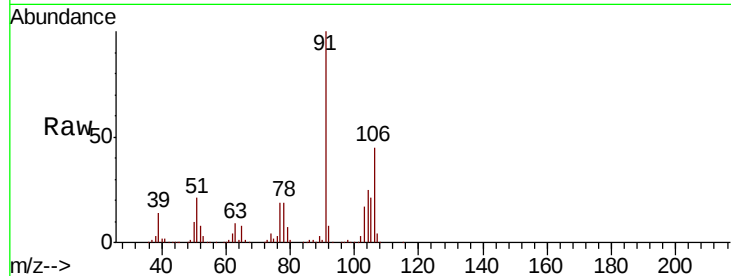




#69
o-Xylene
Concen: 48.798 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

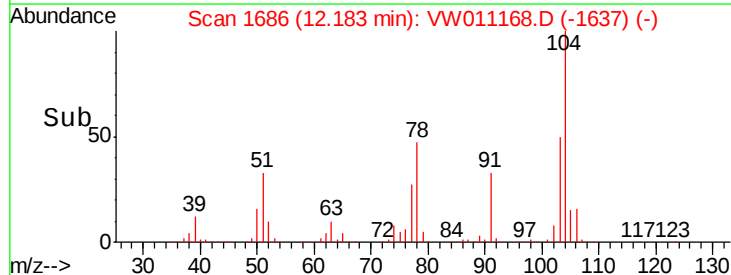
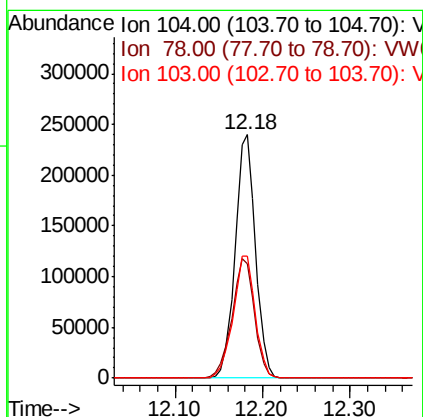
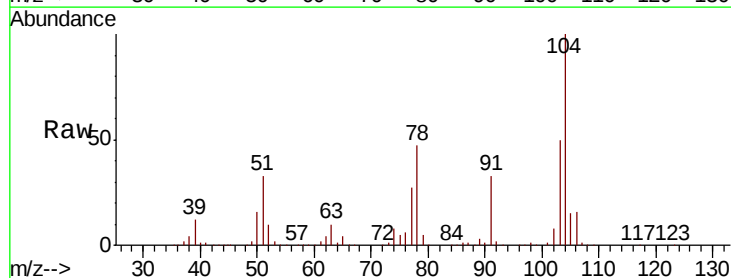
Instrument :
MSVOA_W
ClientSampleId :

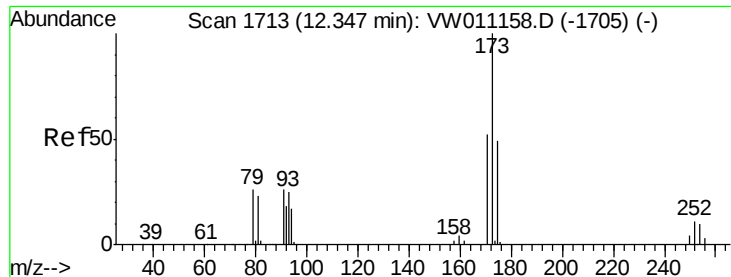
Tot Ion:106 Resp: 224204
Ion Ratio Lower Upper
106 100
91 220.0 110.7 332.1



#70
Styrene
Concen: 49.165 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:104 Resp: 389850
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.4 44.1 66.1





#71

Bromoform

Concen: 47.337 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampled :

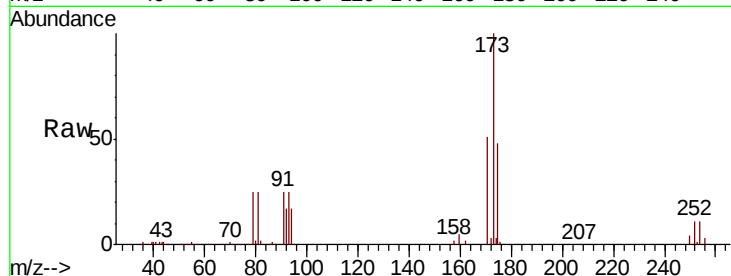
Tot Ion:173 Resp: 62363

Ion Ratio Lower Upper

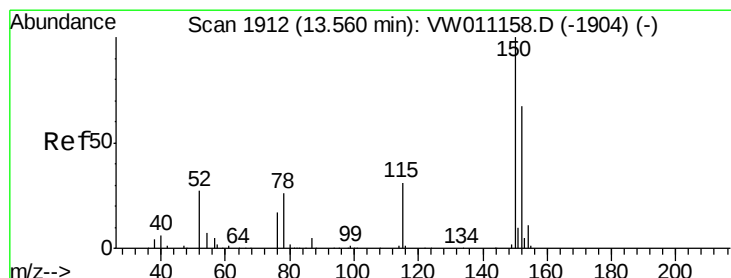
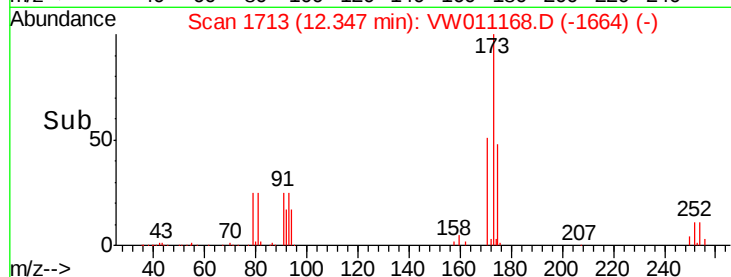
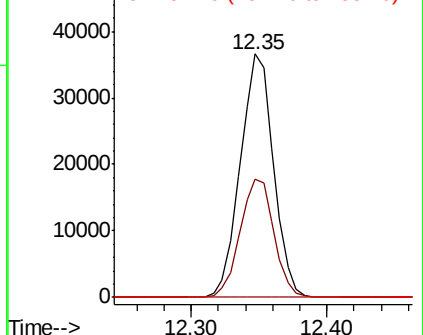
173 100

175 49.4 24.8 74.3

254 0.1 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: VW011168.D

Acq: 08 Jul 2019 19:01

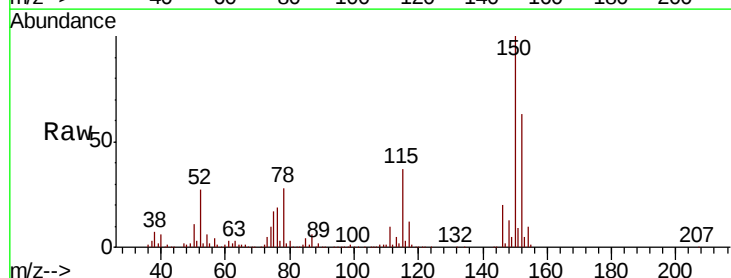
Tgt Ion:152 Resp: 170276

Ion Ratio Lower Upper

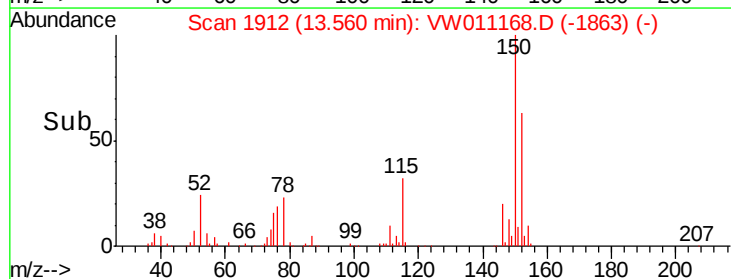
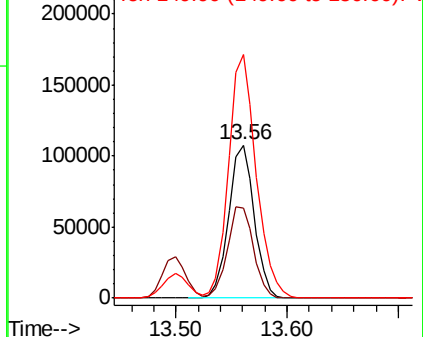
152 100

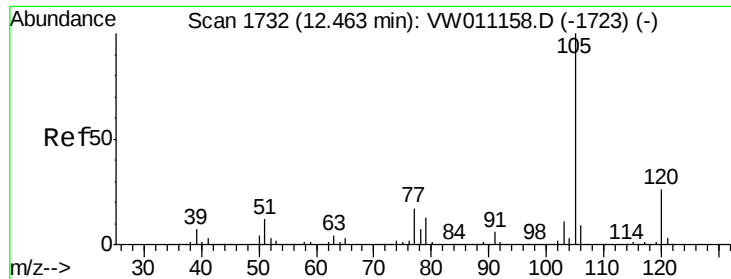
115 60.9 30.1 90.3

150 172.1 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: 48.006 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

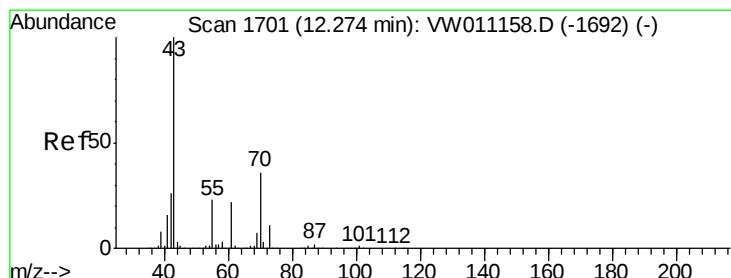
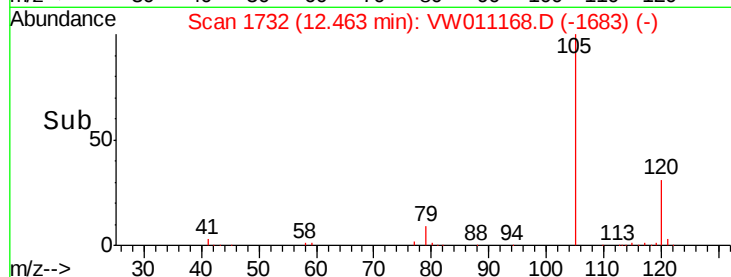
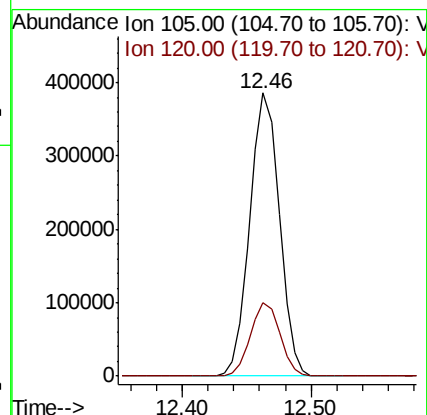
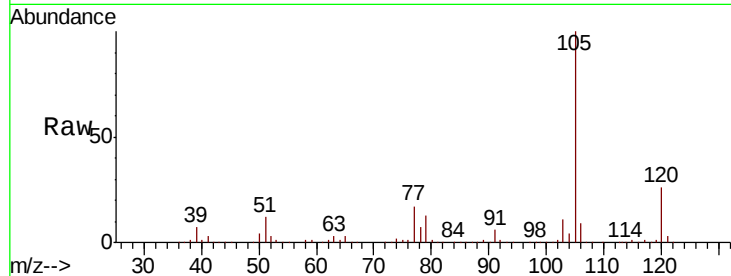
ClientSampleId :

Tot Ion:105 Resp: 611059

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 49.657 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion: 43 Resp: 220137

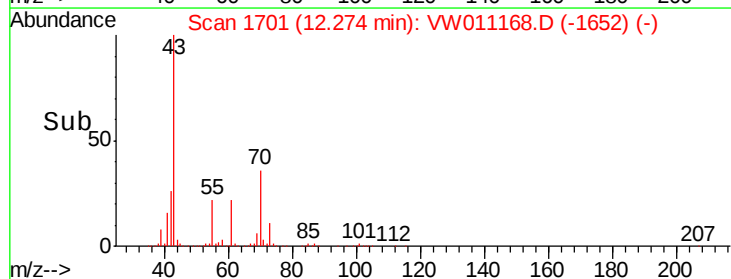
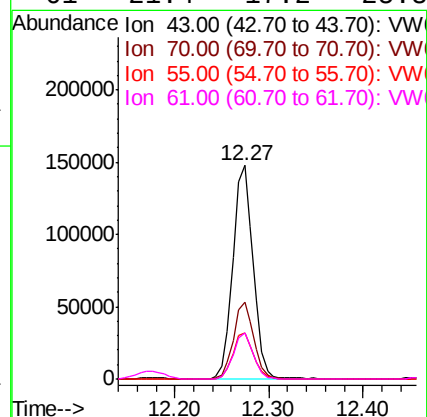
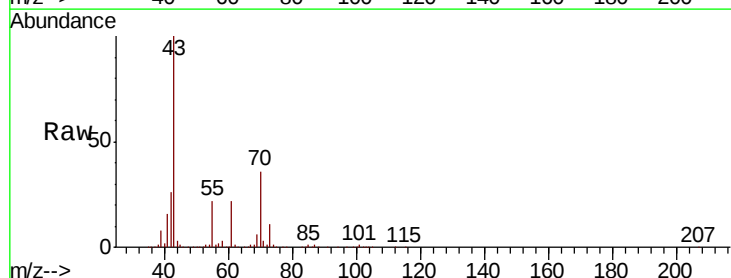
Ion Ratio Lower Upper

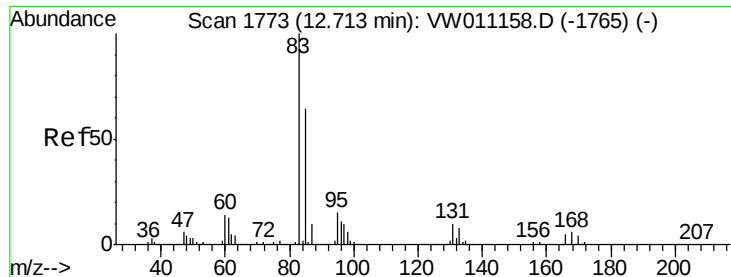
43 100

70 36.1 28.5 42.7

55 22.1 18.1 27.1

61 21.4 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.975 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

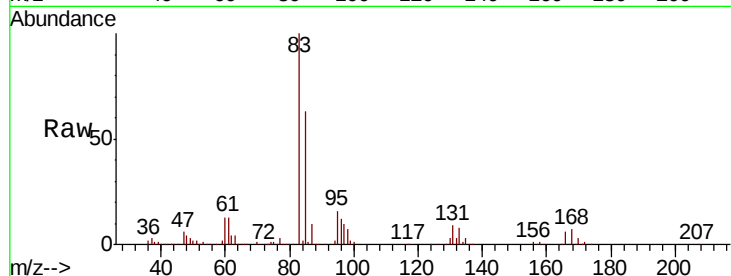
Tot Ion: 83 Resp: 125177

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

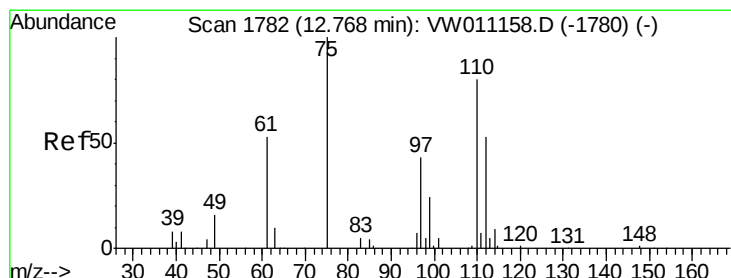
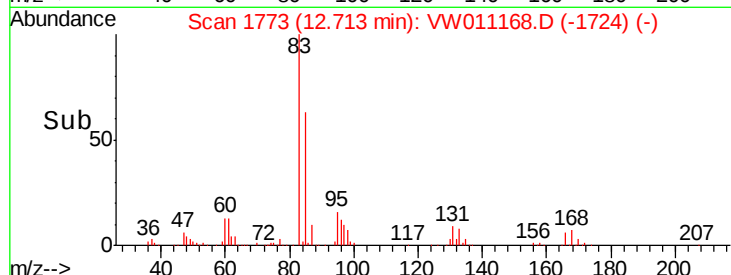
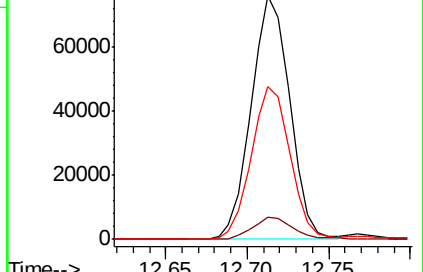
85 63.2 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 83.669 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011168.D

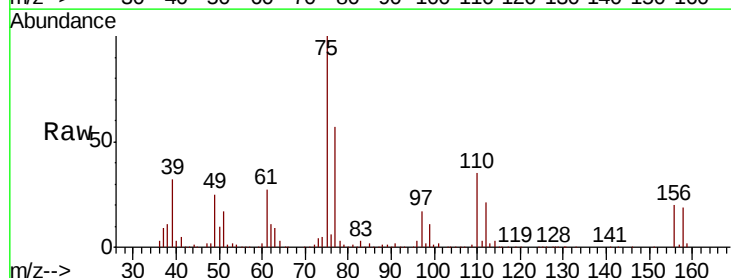
Acq: 08 Jul 2019 19:01

Tgt Ion: 75 Resp: 164641

Ion Ratio Lower Upper

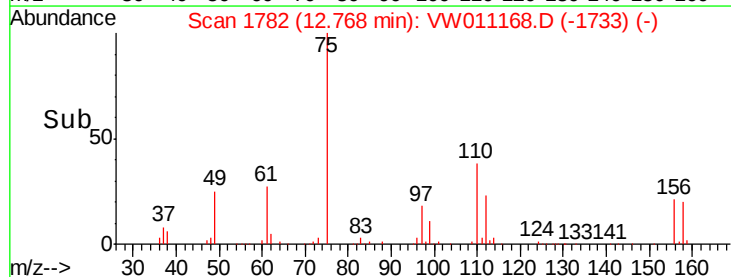
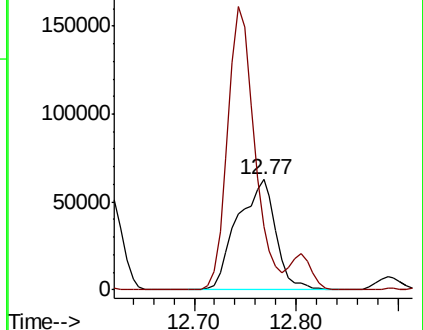
75 100

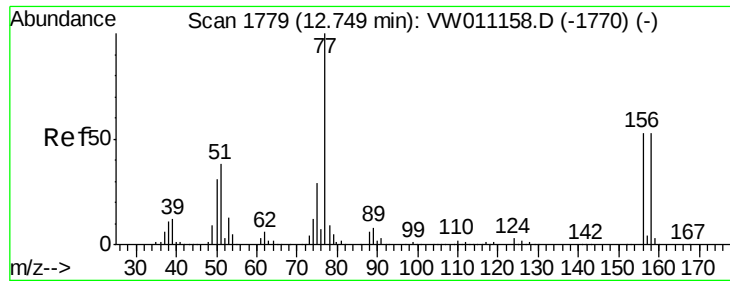
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.054 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

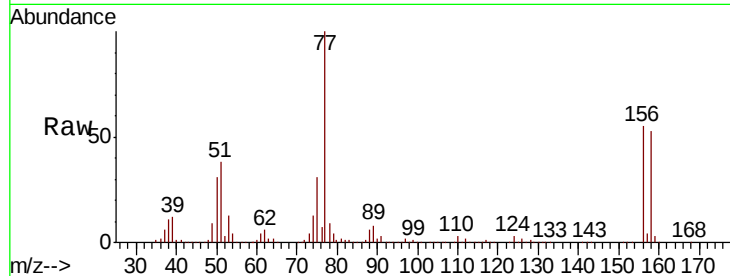
Tot Ion:156 Resp: 137268

Ion Ratio Lower Upper

156 100

77 215.9 109.0 327.0

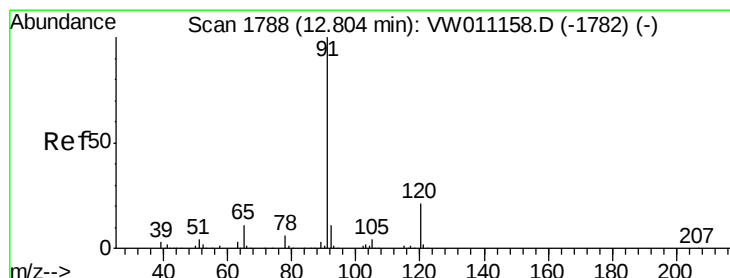
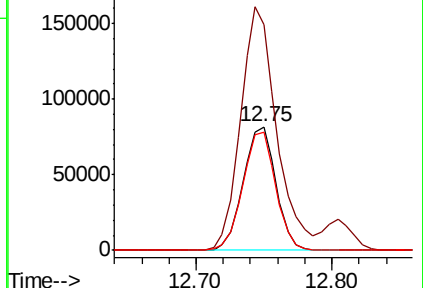
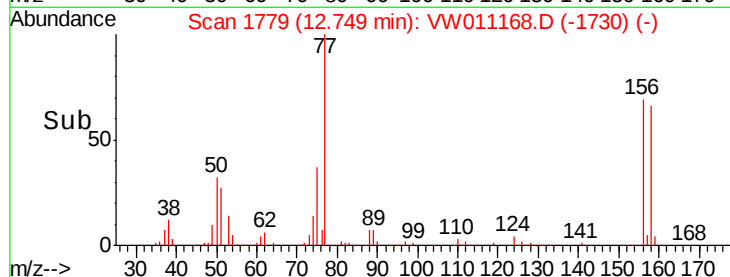
158 96.1 48.8 146.3



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: 48.180 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011168.D

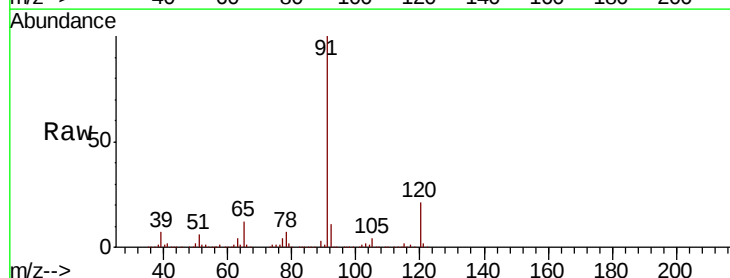
Acq: 08 Jul 2019 19:01

Tgt Ion: 91 Resp: 755457

Ion Ratio Lower Upper

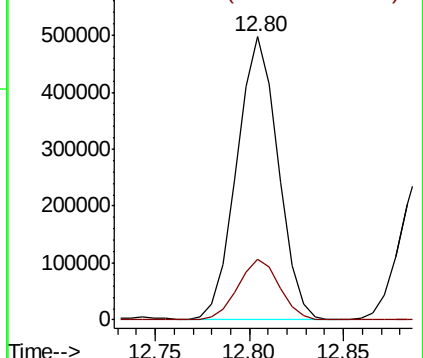
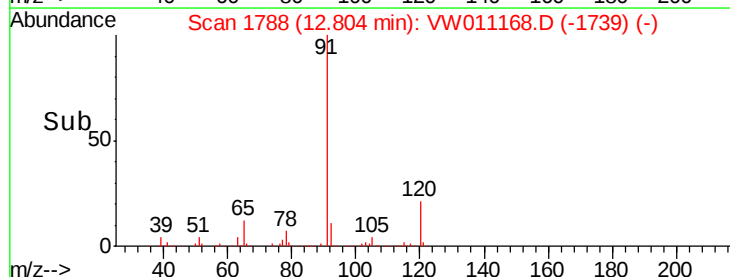
91 100

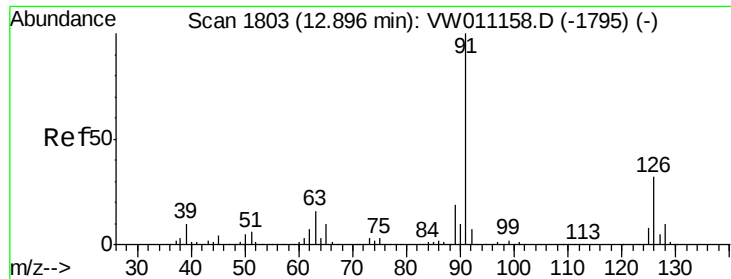
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

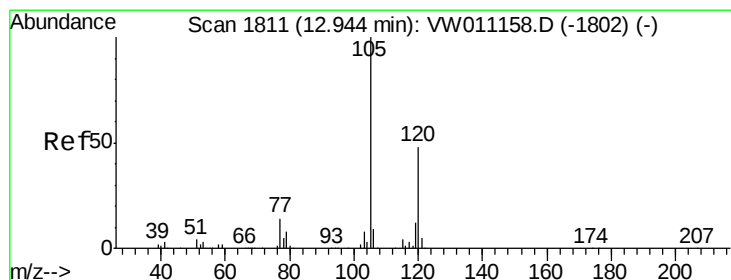
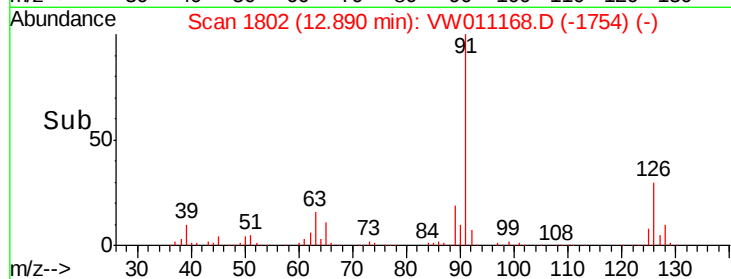
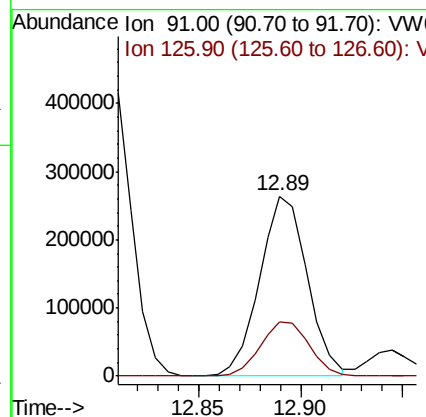
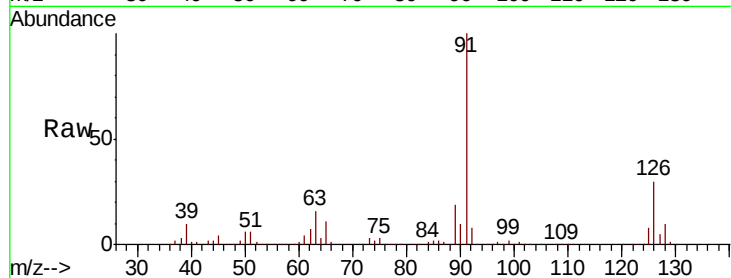




#79
 2-Chlorotoluene
 Concen: 47.386 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

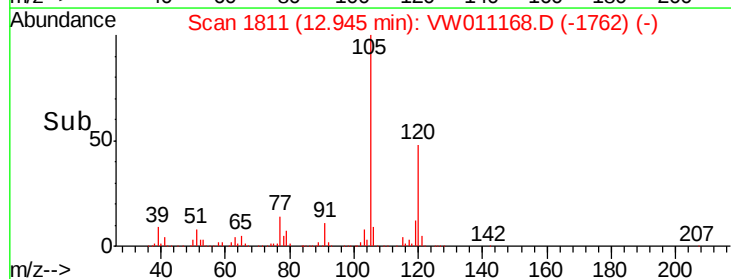
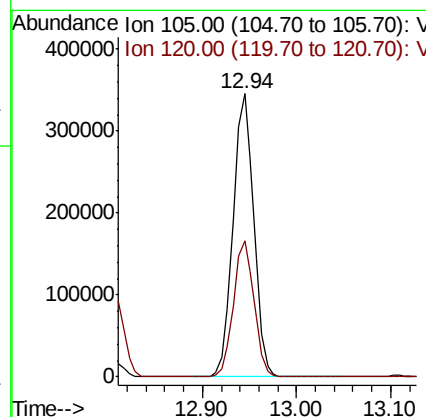
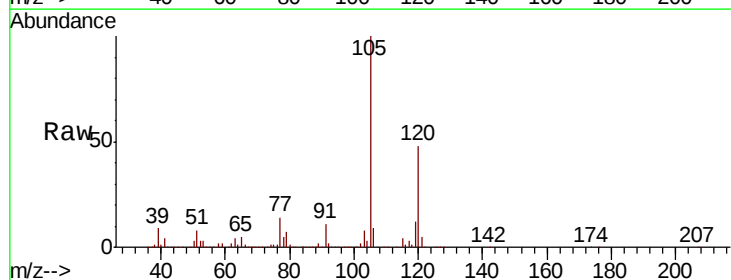
Instrument :
 MSVOA_W
 ClientSampleId :

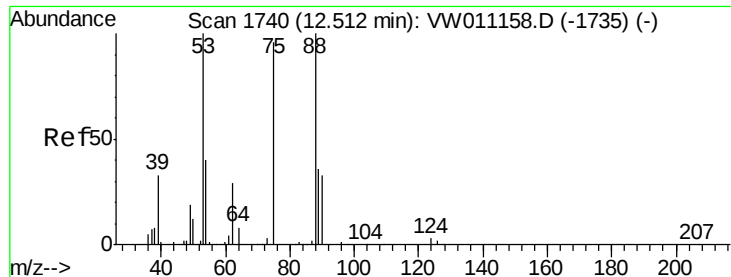
Tot Ion: 91 Resp: 427567
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.610 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion:105 Resp: 525656
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.591 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

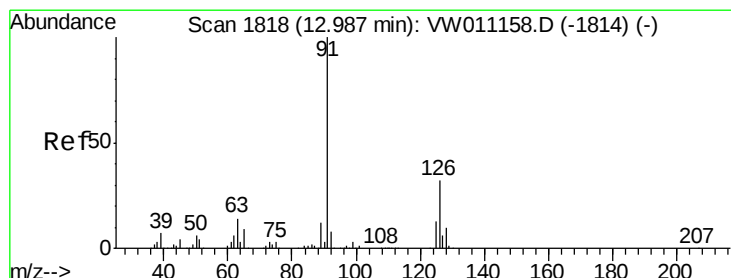
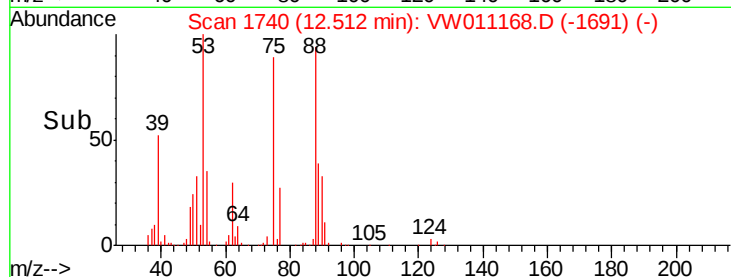
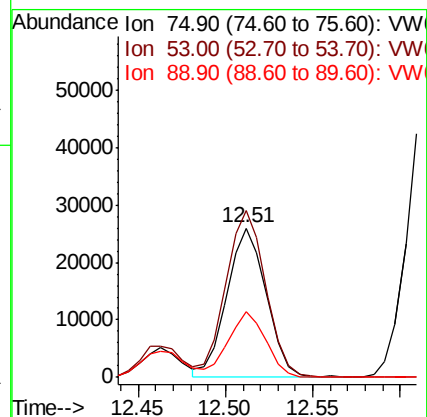
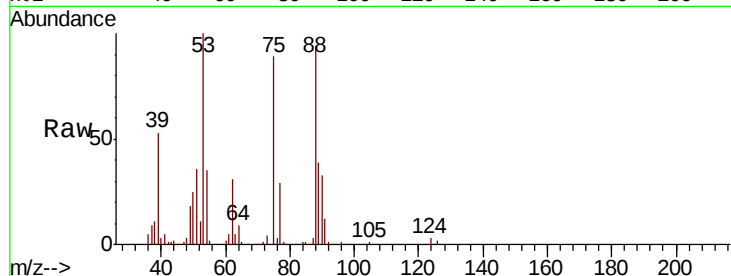
Tot Ion: 75 Resp: 40534

Ion Ratio Lower Upper

75 100

53 113.4 89.8 134.6

89 41.8 34.3 51.5



#82

4-Chlorotoluene

Concen: 47.873 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011168.D

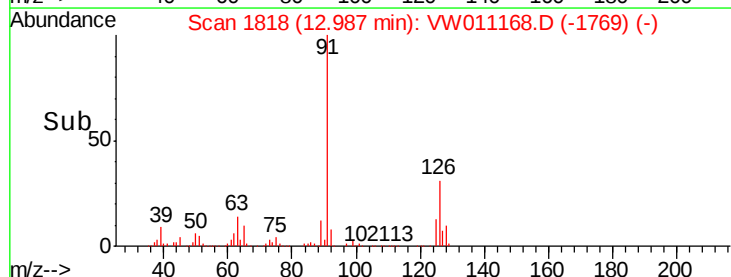
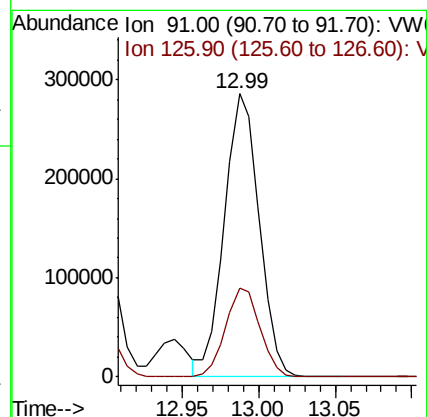
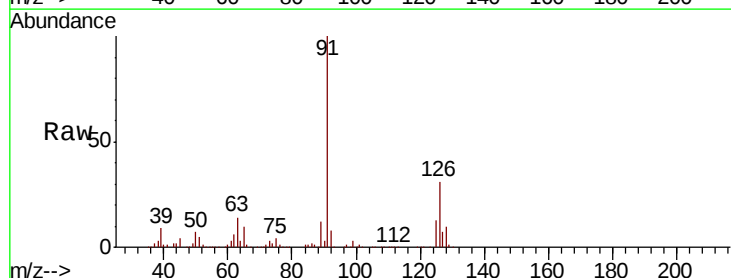
Acq: 08 Jul 2019 19:01

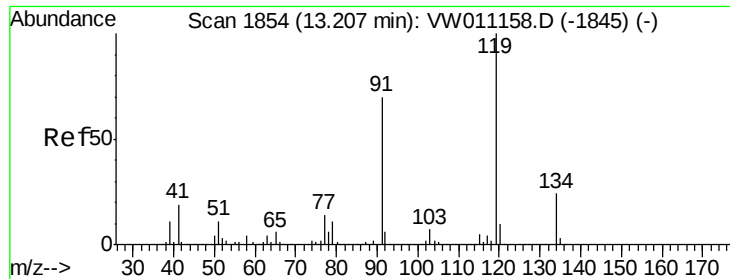
Tgt Ion: 91 Resp: 449920

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1

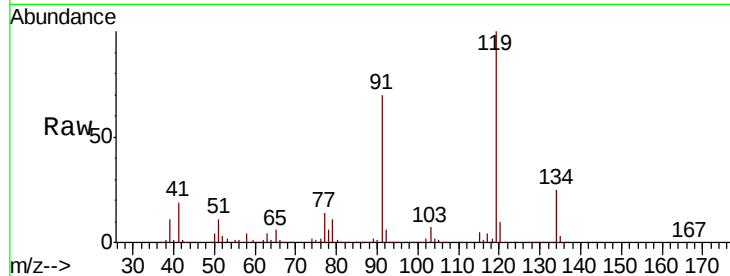




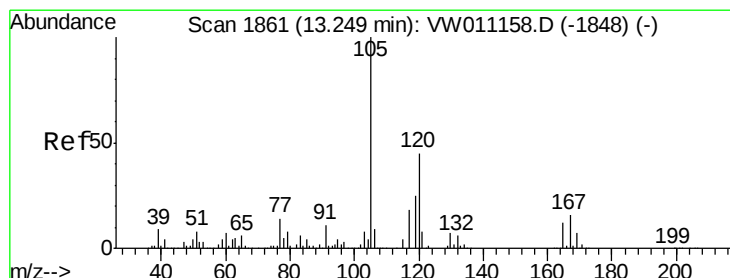
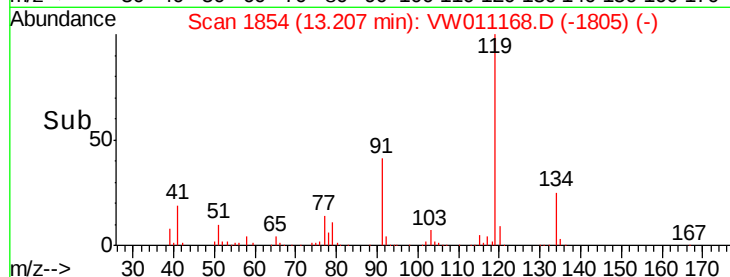
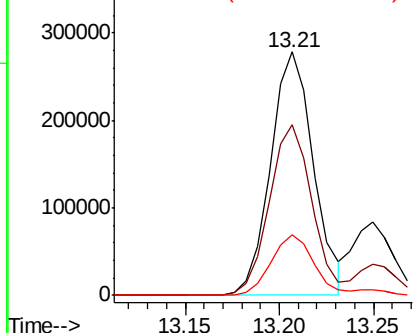
#83
tert-Butylbenzene
Concen: 48.739 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 439554
Ion Ratio Lower Upper
119 100
91 69.2 35.4 106.3
134 25.0 13.4 40.2

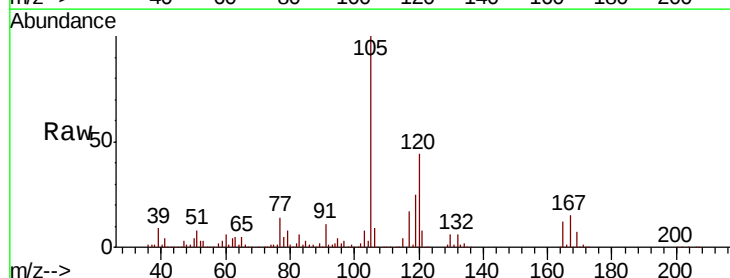


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

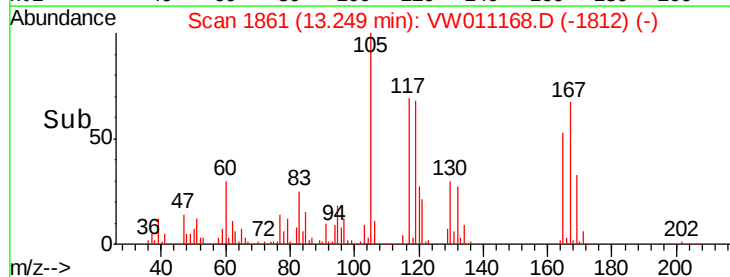
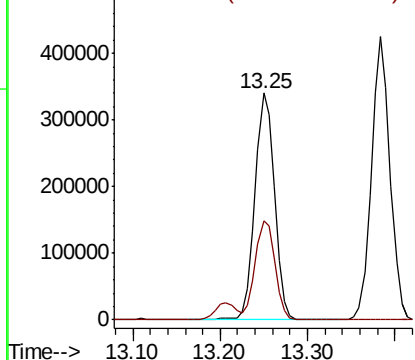


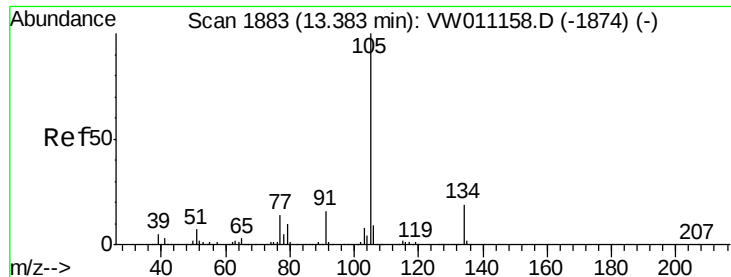
#84
1,2,4-Trimethylbenzene
Concen: 48.367 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:105 Resp: 525182
Ion Ratio Lower Upper
105 100
120 44.4 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: 48.134 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

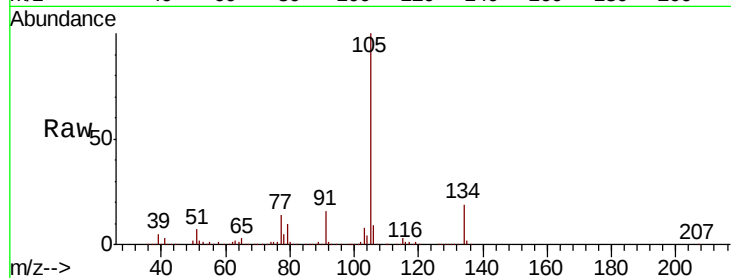
ClientSampleId :

Tot Ion:105 Resp: 626386

Ion Ratio Lower Upper

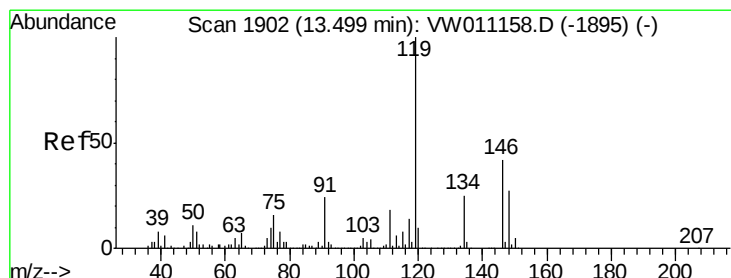
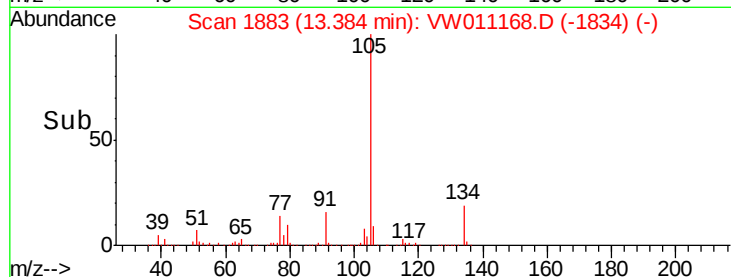
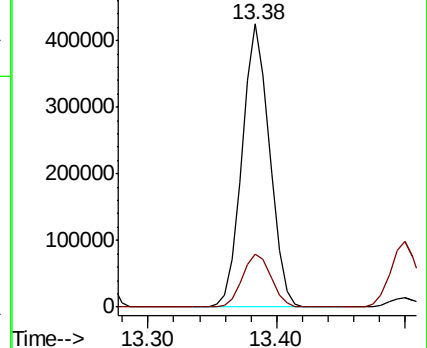
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.772 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

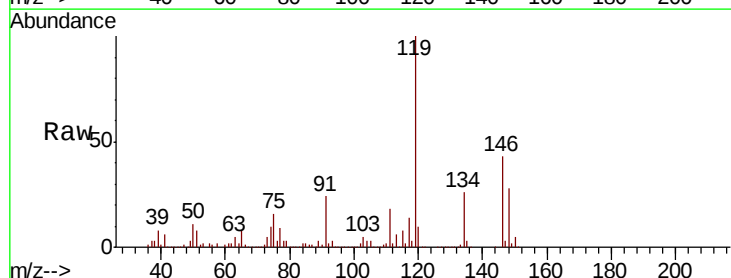
Tgt Ion:119 Resp: 569258

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

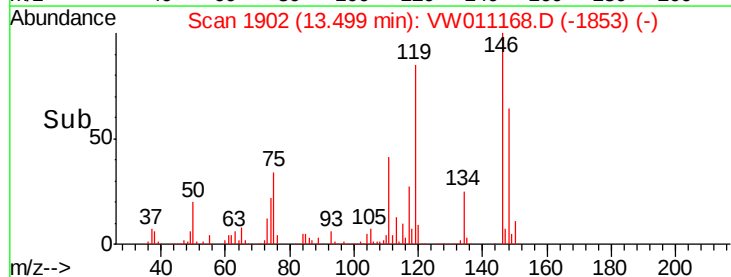
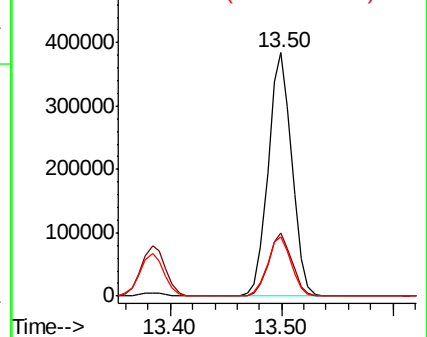
91 24.4 12.3 36.8

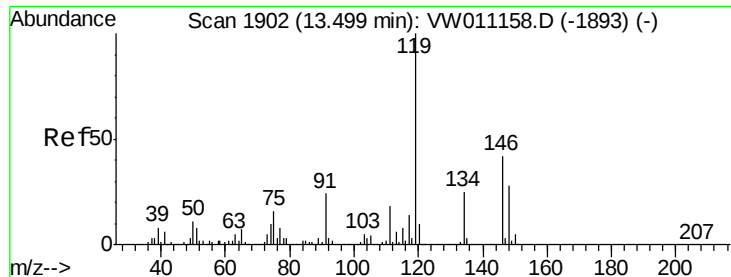


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

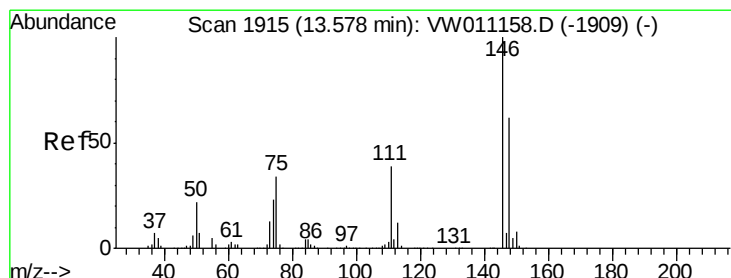
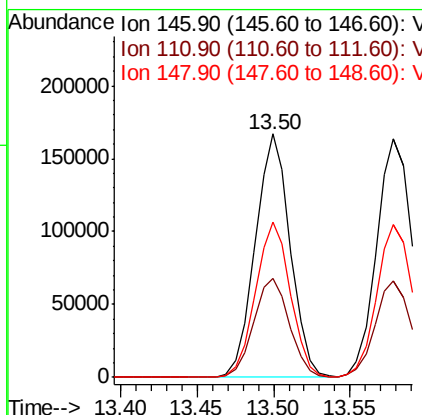
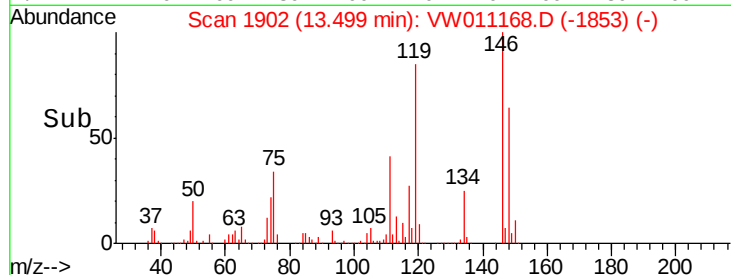
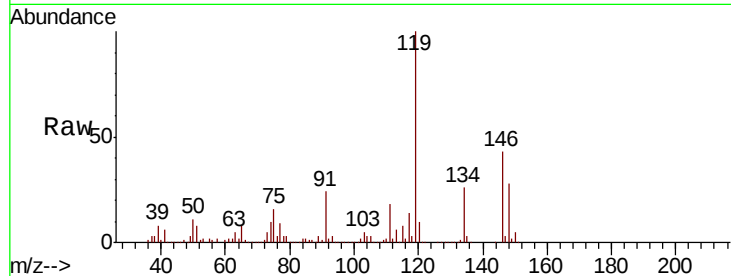




#87
 1,3-Dichlorobenzene
 Concen: 48.124 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

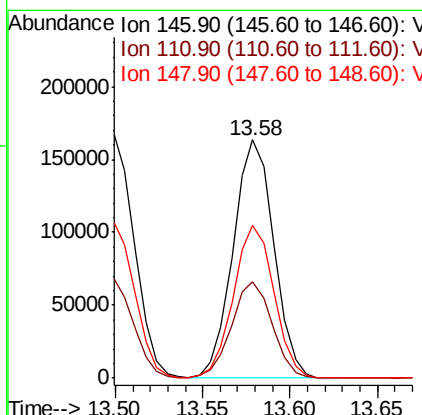
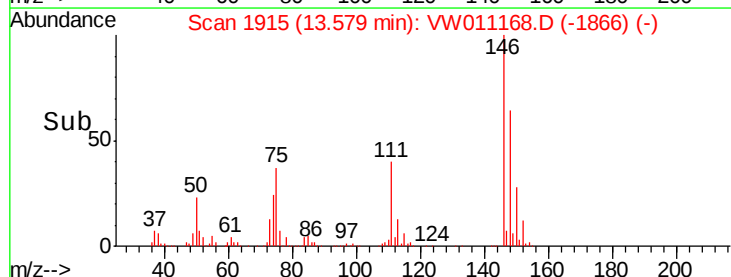
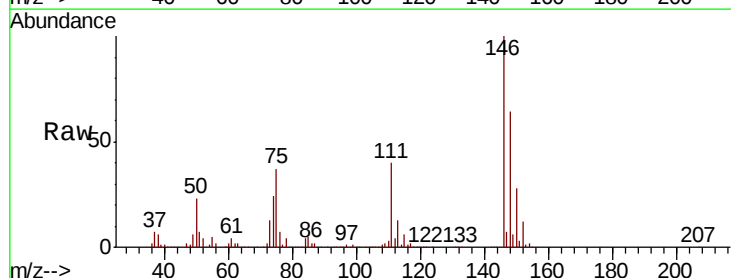
Instrument :
 MSVOA_W
 ClientSampleId :

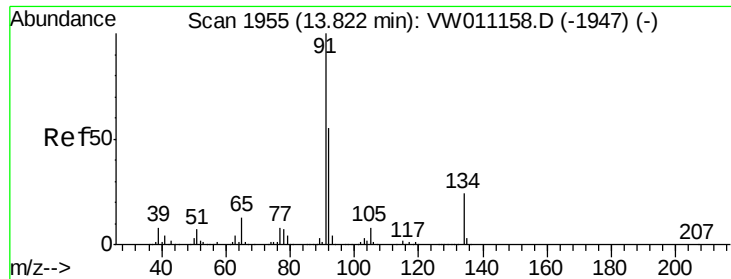
Tot Ion:146 Resp: 264490
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.1
 148 64.1 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 47.758 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion:146 Resp: 264311
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.7
 148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 49.402 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampled :

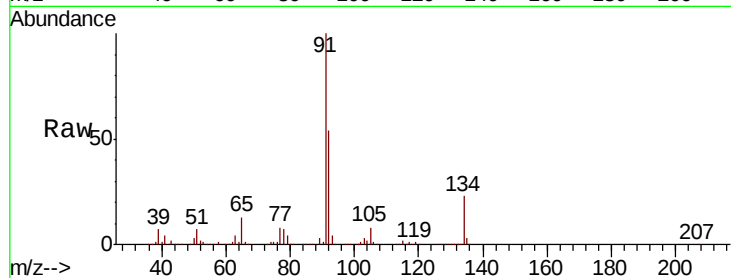
Tot Ion: 91 Resp: 575223

Ion Ratio Lower Upper

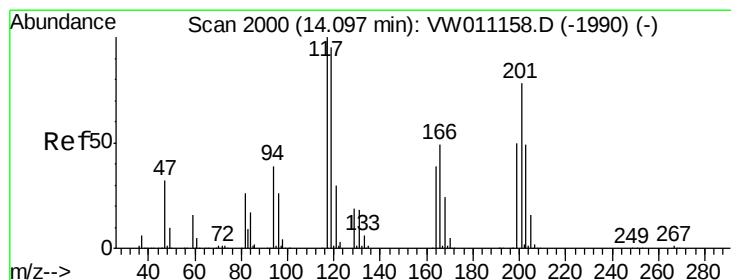
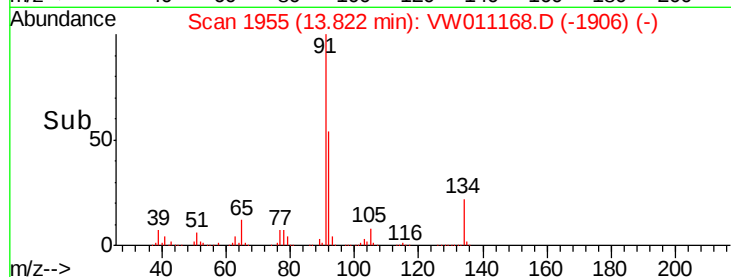
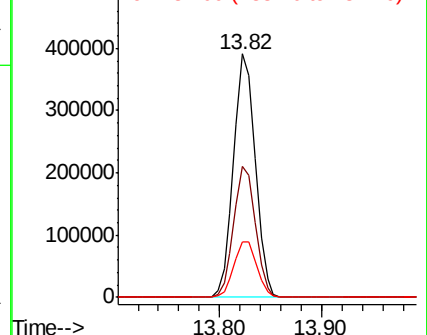
91 100

92 53.9 26.9 80.7

134 24.0 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: 47.330 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011168.D

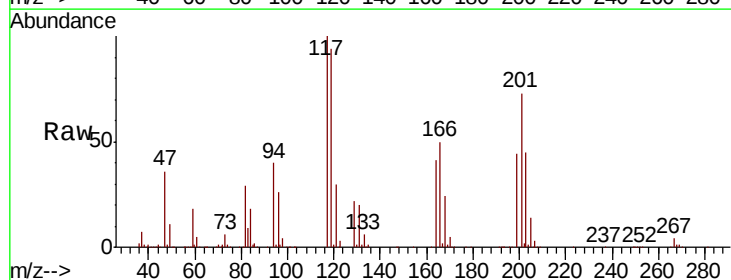
Acq: 08 Jul 2019 19:01

Tgt Ion: 117 Resp: 100949

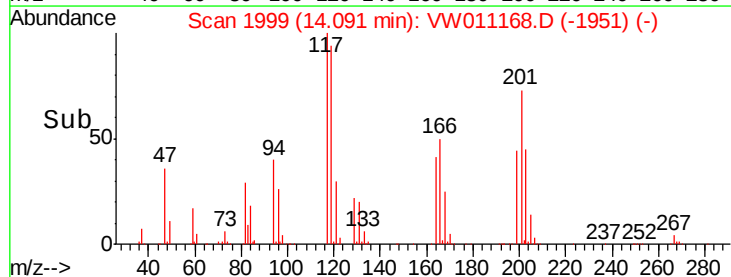
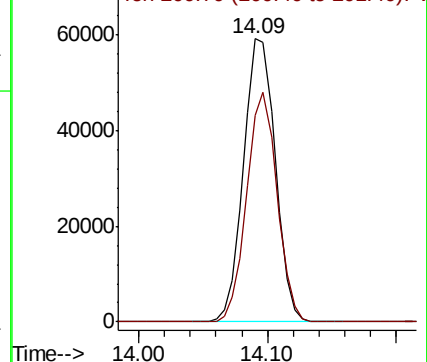
Ion Ratio Lower Upper

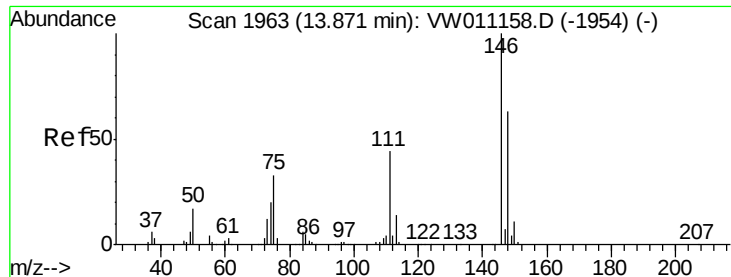
117 100

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: 48.141 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

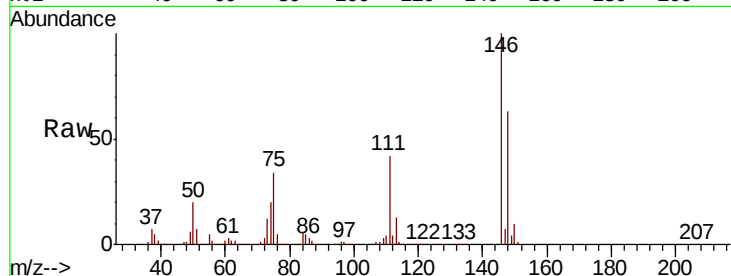
Tot Ion:146 Resp: 240033

Ion Ratio Lower Upper

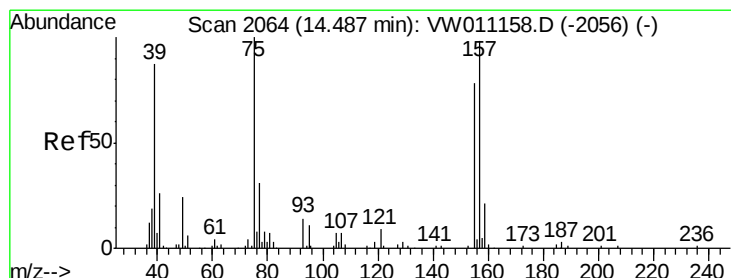
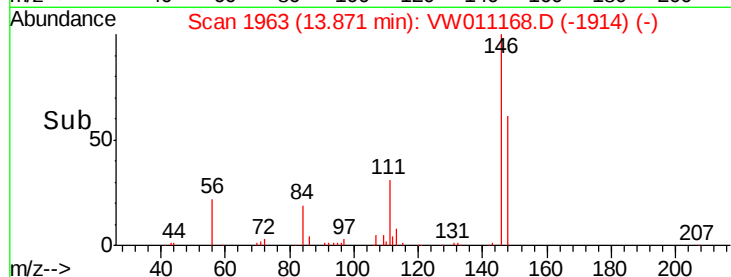
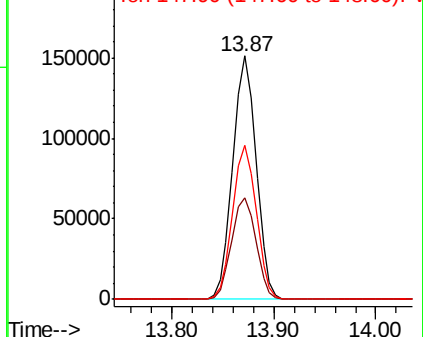
146 100

111 43.4 21.6 65.0

148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.056 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

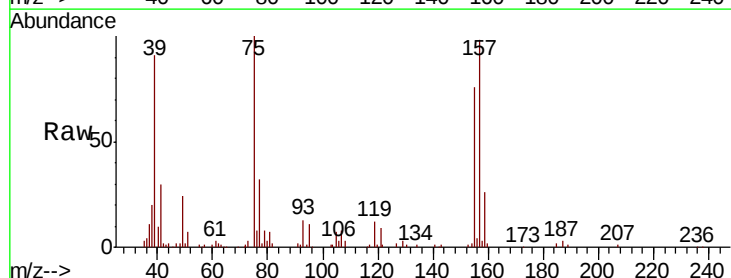
Tgt Ion: 75 Resp: 21778

Ion Ratio Lower Upper

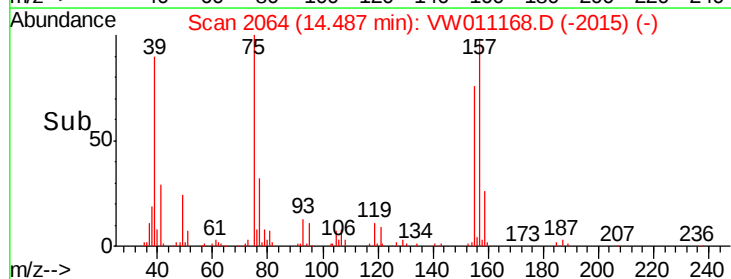
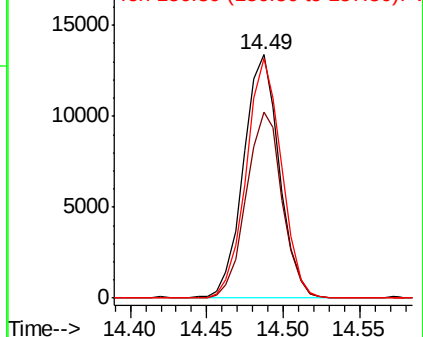
75 100

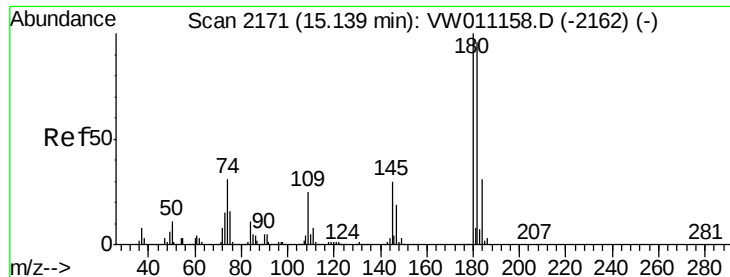
155 76.5 37.1 111.3

157 96.9 48.5 145.6



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

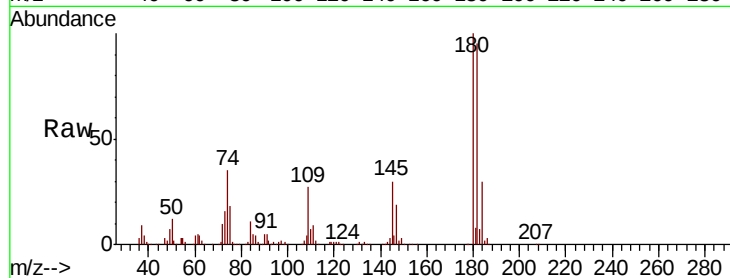




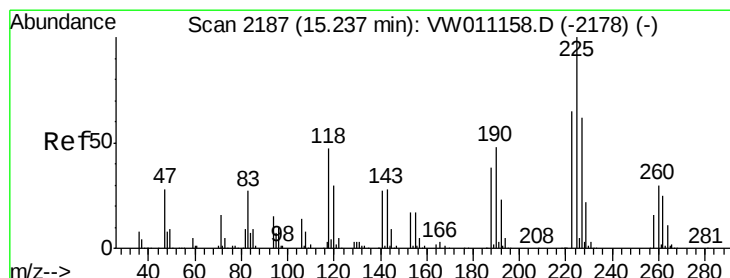
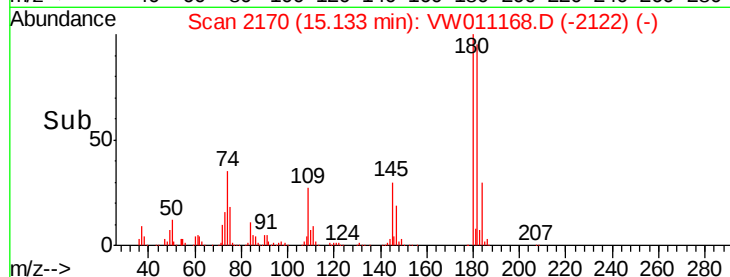
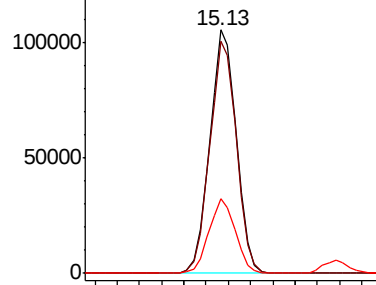
#93
 1,2,4-Trichlorobenzene
 Concen: 50.369 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	30.6	15.5	46.5

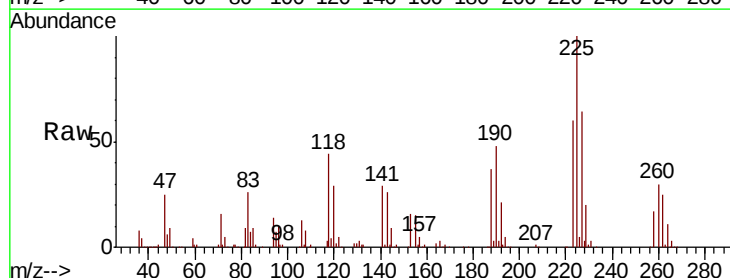


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

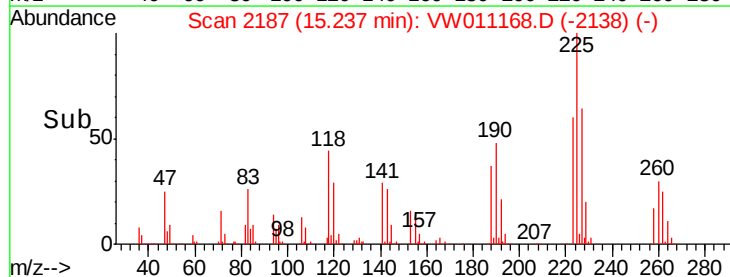
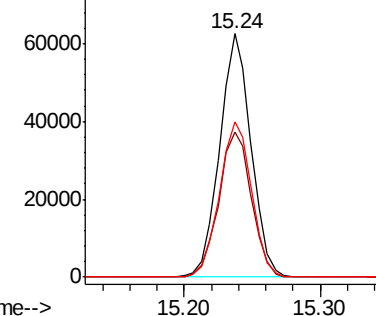


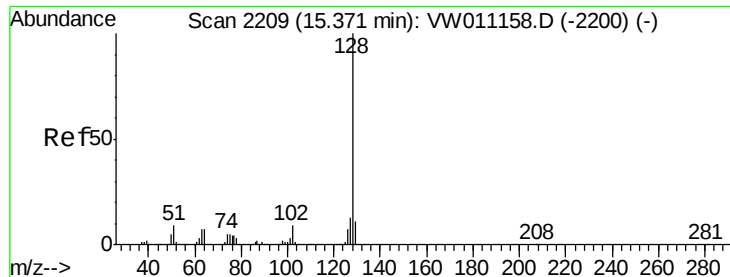
#94
 Hexachlorobutadiene
 Concen: 47.758 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	65.7	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

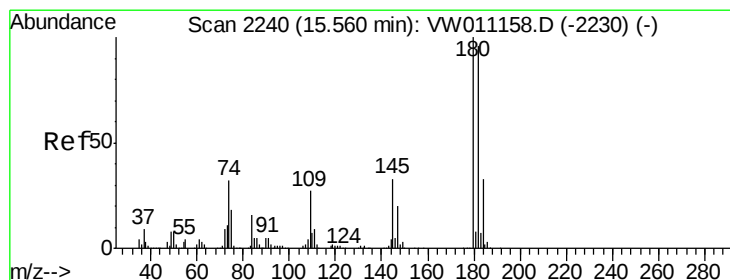
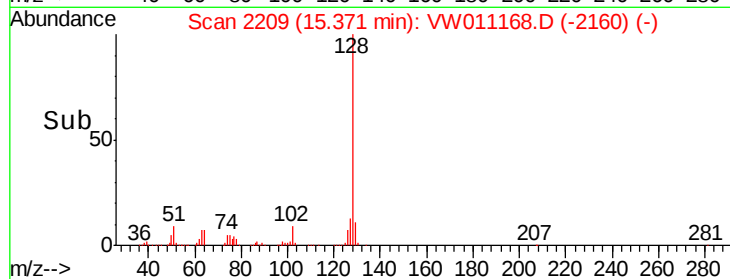
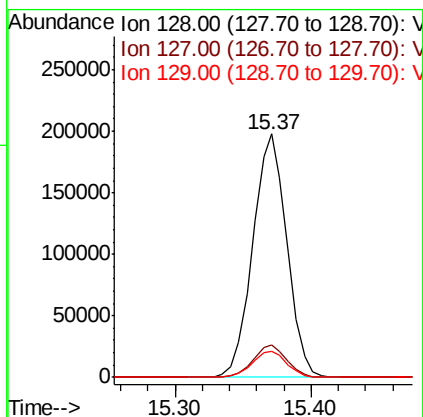
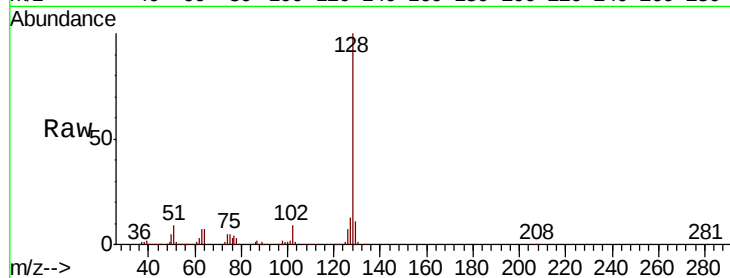




#95
Naphthalene
Concen: 52.615 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 346264
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.071 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:180 Resp: 154793
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.8
145 31.9 16.5 49.5

