

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\
 Data File : VW011708.D
 Acq On : 05 Aug 2019 14:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 06 08:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137325	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	7.88	113	112383	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.32	98	464606	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.62	95	162733	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	67396	49.663	ug/l 95
3) Chloromethane	2.21	50	107407	45.643	ug/l 99
4) Vinyl Chloride	2.36	62	143326	50.591	ug/l 99
5) Bromomethane	2.78	94	74653	47.606	ug/l 100
6) Chloroethane	2.92	64	75911	46.908	ug/l 96
7) Trichlorofluoromethane	3.25	101	76947	60.773	ug/l 99
8) Diethyl Ether	3.68	74	70659	49.220	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	130968	54.528	ug/l 99
10) Methyl Iodide	4.27	142	169658	49.984	ug/l 100
11) Tert butyl alcohol	5.23	59	41874	199.311	ug/l # 87
12) 1,1-Dichloroethene	4.04	96	132398	52.208	ug/l 98
13) Acrolein	3.90	56	49203	245.246	ug/l 98
14) Allyl chloride	4.66	41	285624	52.955	ug/l 100
15) Acrylonitrile	5.37	53	165058	230.329	ug/l 99
16) Acetone	4.15	43	192451	216.376	ug/l 100
17) Carbon Disulfide	4.38	76	411177	51.804	ug/l 100
18) Methyl Acetate	4.67	43	87985	44.035	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	200103	49.724	ug/l 96
20) Methylene Chloride	4.92	84	143246	46.699	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	142059	51.959	ug/l 96
22) Diisopropyl ether	6.31	45	509999	50.151	ug/l 98
23) Vinyl Acetate	6.25	43	1604787	251.145	ug/l 100
24) 1,1-Dichloroethane	6.21	63	280516	51.506	ug/l 99
25) 2-Butanone	7.18	43	254222	218.434	ug/l 99
26) 2,2-Dichloropropane	7.16	77	162347	48.470	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	149857	49.802	ug/l 99
28) Bromochloromethane	7.51	49	128256	53.055	ug/l # 99
29) Tetrahydrofuran	7.54	42	151399	227.578	ug/l 99
30) Chloroform	7.67	83	254205	50.592	ug/l 98
31) Cyclohexane	7.95	56	266075	50.894	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	207689	54.276	ug/l 100
36) 1,1-Dichloropropene	8.08	75	220078	55.391	ug/l 100
37) Ethyl Acetate	7.26	43	110337	48.269	ug/l 98
38) Carbon Tetrachloride	8.07	117	190304	55.950	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249544	57.039	ug/l	97
40) Benzene	8.32	78	585025	52.567	ug/l	99
41) Methacrylonitrile	7.48	41	70087	51.292	ug/l	94
42) 1,2-Dichloroethane	8.40	62	180073	51.680	ug/l	100
43) Isopropyl Acetate	8.42	43	210224	50.007	ug/l	100
44) Trichloroethene	9.09	130	143591	53.682	ug/l	99
45) 1,2-Dichloropropane	9.37	63	155523	52.228	ug/l	98
46) Dibromomethane	9.46	93	70357	51.767	ug/l	98
47) Bromodichloromethane	9.64	83	188572	52.893	ug/l	98
48) Methyl methacrylate	9.43	41	100920	49.975	ug/l	97
49) 1,4-Dioxane	9.48	88	17830	906.034	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	534140	244.272	ug/l	99
52) Toluene	10.38	92	359960	53.559	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	193643	51.996	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	232417	52.487	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98093	50.868	ug/l	97
56) Ethyl methacrylate	10.65	69	145340	51.505	ug/l	100
57) 1,3-Dichloropropane	10.93	76	185888	50.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	387292	302.281	ug/l	100
59) 2-Hexanone	10.97	43	378389	245.082	ug/l	99
60) Dibromochloromethane	11.13	129	112035	52.339	ug/l	100
61) 1,2-Dibromoethane	11.23	107	91499	50.139	ug/l	100
64) Tetrachloroethene	10.86	164	117455	54.659	ug/l	97
65) Chlorobenzene	11.66	112	353403	53.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	123572	53.466	ug/l	99
67) Ethyl Benzene	11.73	91	694088	54.925	ug/l	99
68) m/p-Xylenes	11.84	106	499113	108.604	ug/l	99
69) o-Xylene	12.16	106	231820	54.282	ug/l	99
70) Styrene	12.18	104	401171	54.330	ug/l	100
71) Bromoform	12.35	173	62576	53.102	ug/l #	98
73) Isopropylbenzene	12.46	105	656986	55.123	ug/l	100
74) N-amyl acetate	12.27	43	193816	51.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115453	51.499	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78081m	46.190	ug/l	
77) Bromobenzene	12.74	156	139887	53.101	ug/l	99
78) n-propylbenzene	12.80	91	803746	55.412	ug/l	100
79) 2-Chlorotoluene	12.89	91	450042	53.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	552457	55.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39760	54.206	ug/l	99
82) 4-Chlorotoluene	12.99	91	476741	54.376	ug/l	99
83) tert-Butylbenzene	13.21	119	468565	56.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	549647	54.614	ug/l	100
85) sec-Butylbenzene	13.38	105	666268	55.890	ug/l	100
86) p-Isopropyltoluene	13.50	119	605912	56.019	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	274846	53.209	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	272691	53.070	ug/l	100
89) n-Butylbenzene	13.82	91	610033	56.517	ug/l	99
90) Hexachloroethane	14.09	117	106240	55.548	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240910	52.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19548	51.133	ug/l	98

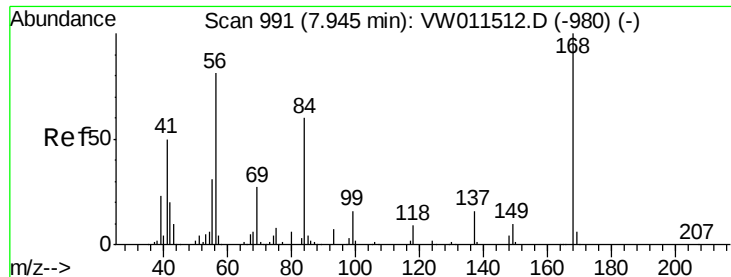
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172656	53.624	ug/l	99
94) Hexachlorobutadiene	15.24	225	112449	56.003	ug/l	97
95) Naphthalene	15.36	128	307440	48.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	150519	53.332	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

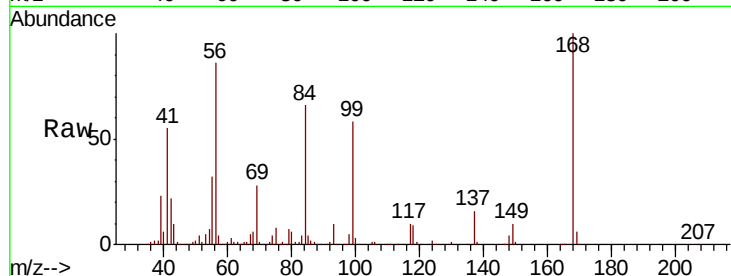
VSTDCCC050

Tot Ion:168 Resp: 243502

Ion Ratio Lower Upper

168 100

99 58.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

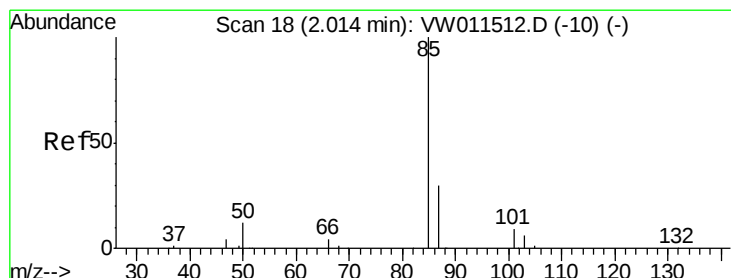
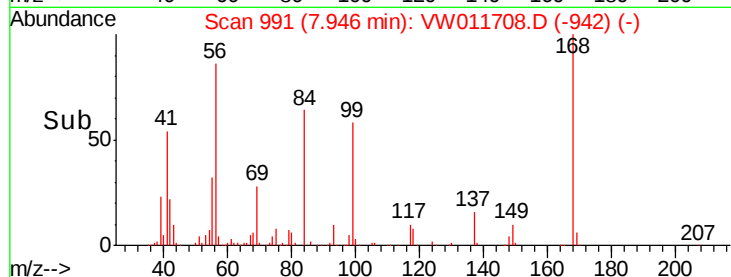
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 49.663 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011708.D

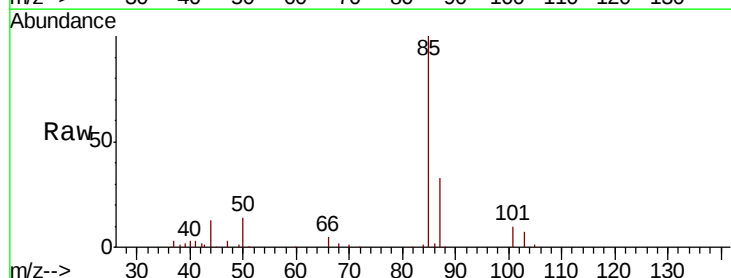
Acq: 05 Aug 2019 14:27

Tgt Ion: 85 Resp: 67396

Ion Ratio Lower Upper

85 100

87 33.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

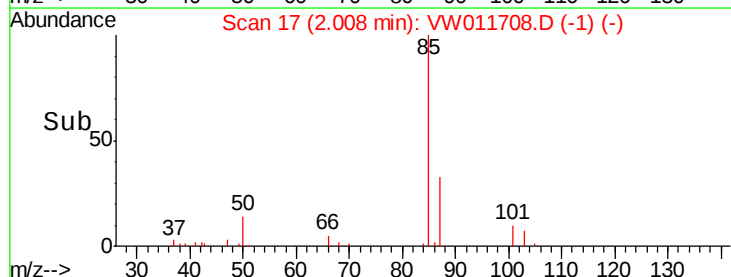
15000

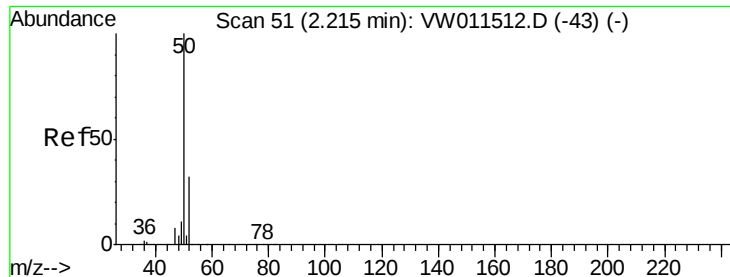
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 45.643 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

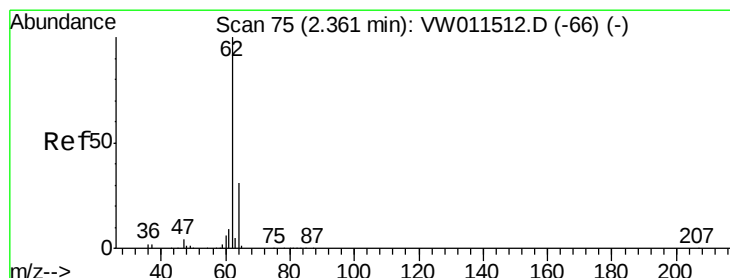
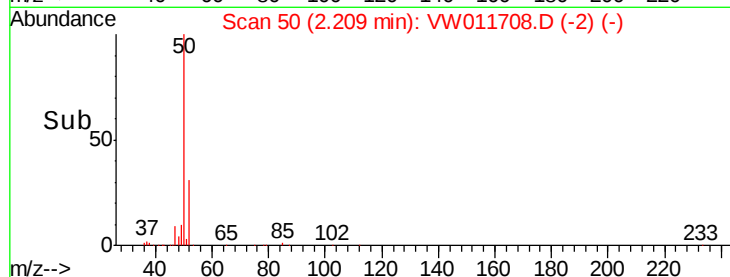
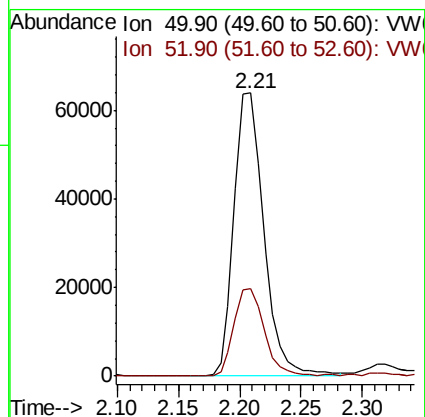
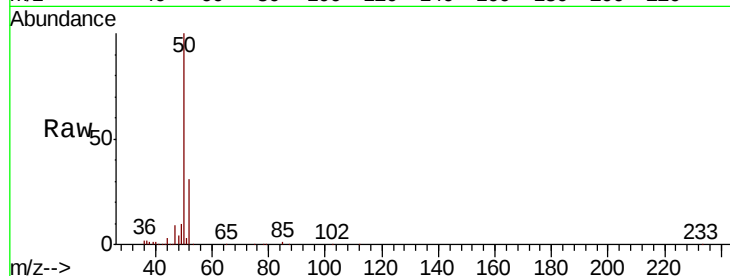
VSTDCCC050

Tot Ion: 50 Resp: 107407

Ion Ratio Lower Upper

50 100

52 31.2 25.4 38.2



#4

Vinyl Chloride

Concen: 50.591 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011708.D

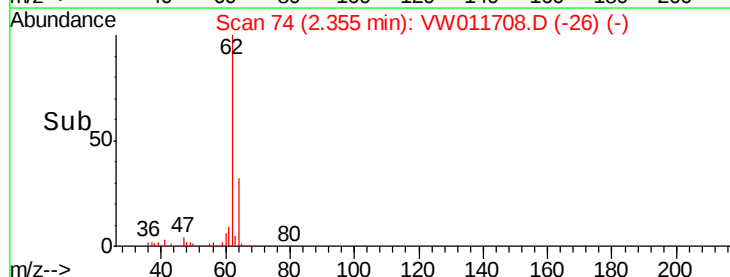
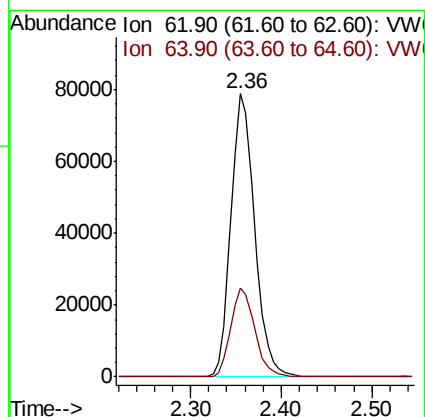
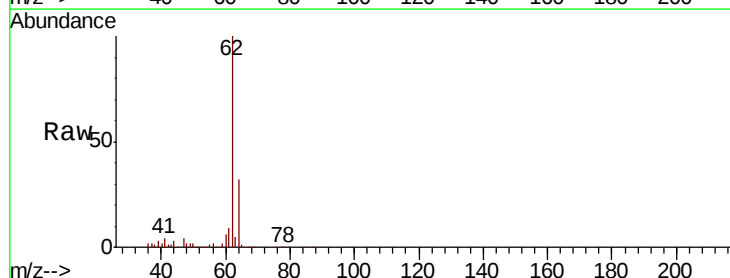
Acq: 05 Aug 2019 14:27

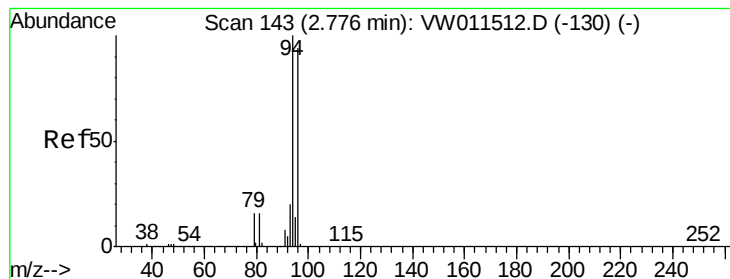
Tgt Ion: 62 Resp: 143326

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 47.606 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

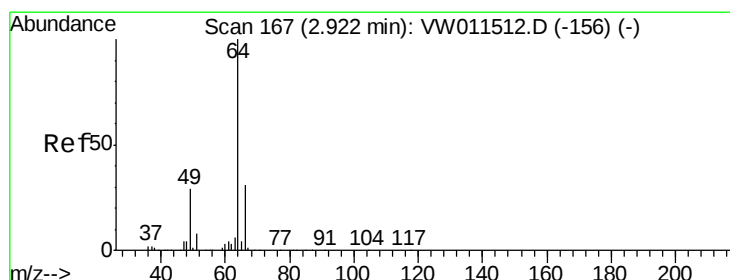
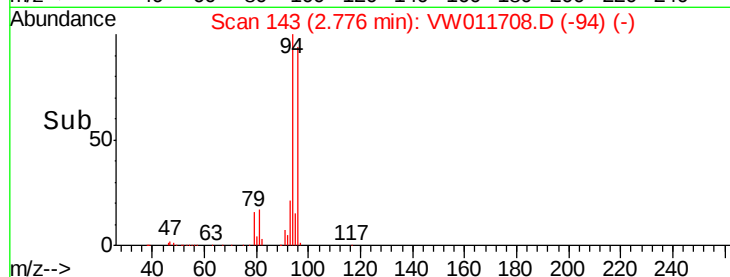
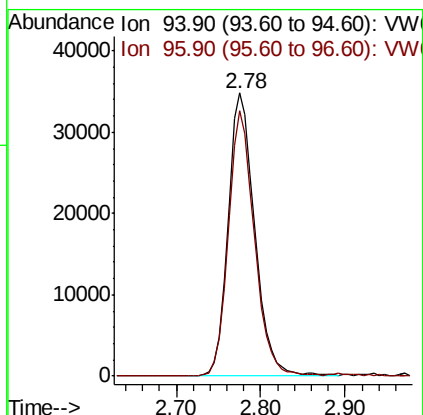
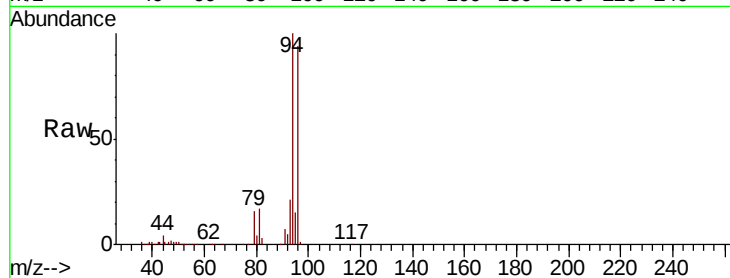
VSTDCCC050

Tot Ion: 94 Resp: 74653

Ion Ratio Lower Upper

94 100

96 93.7 75.0 112.6



#6

Chloroethane

Concen: 46.908 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011708.D

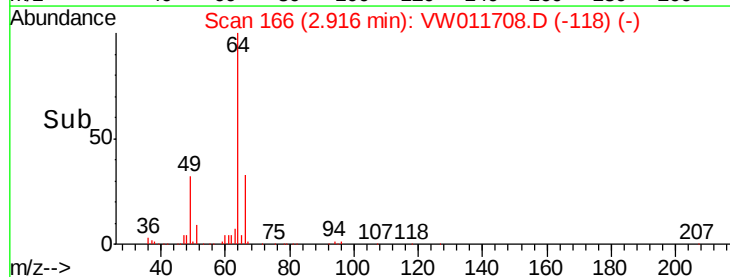
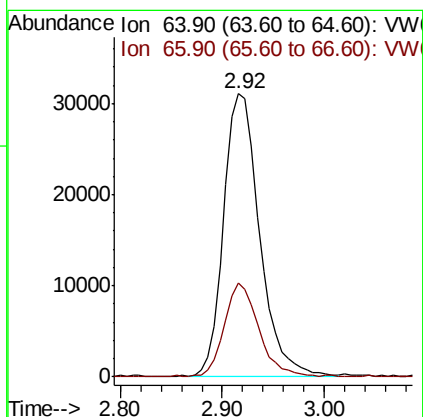
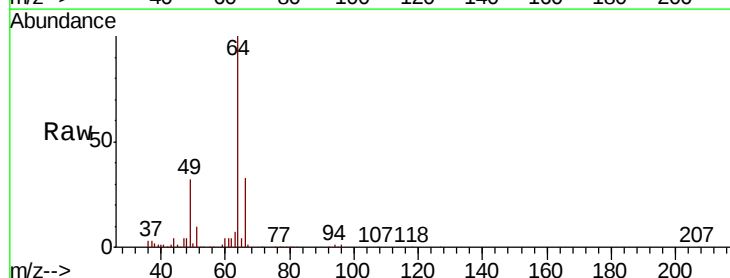
Acq: 05 Aug 2019 14:27

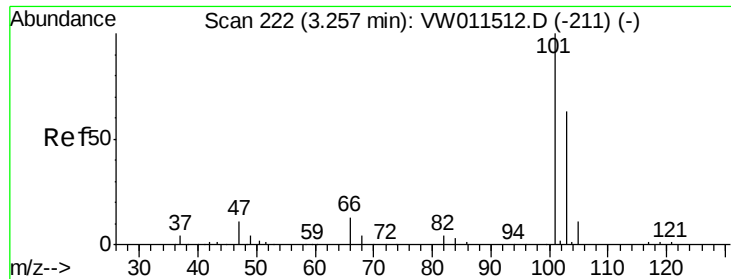
Tgt Ion: 64 Resp: 75911

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8



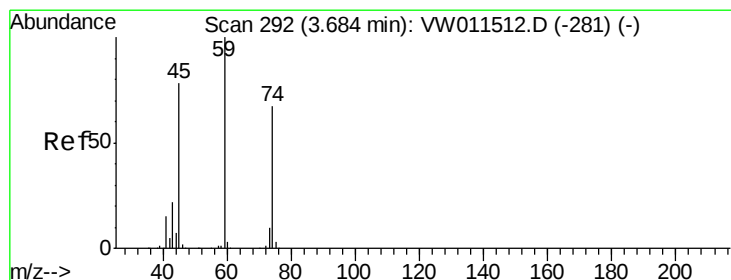
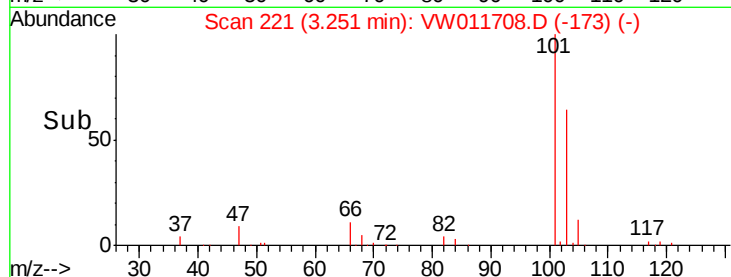
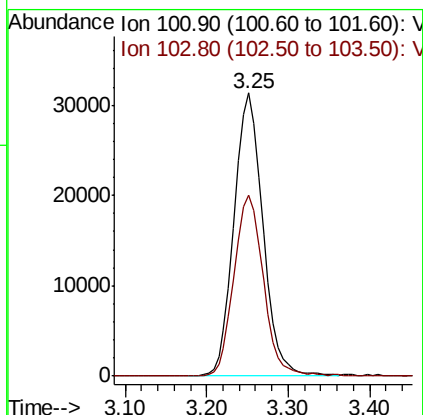
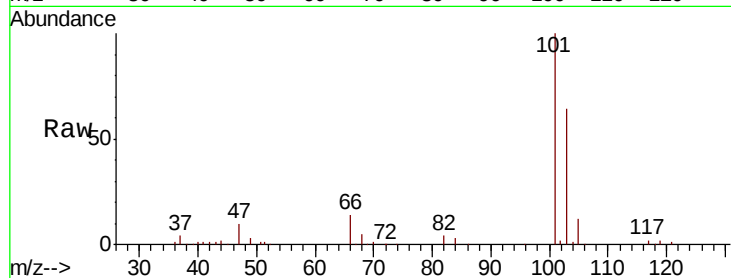


#7

Trichlorofluoromethane
 Concen: 60.773 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

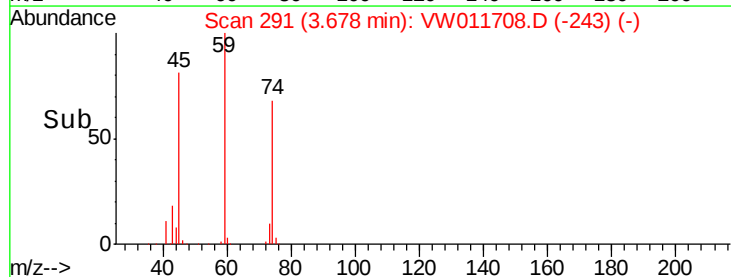
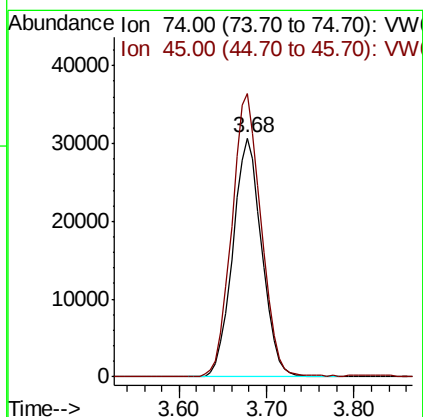
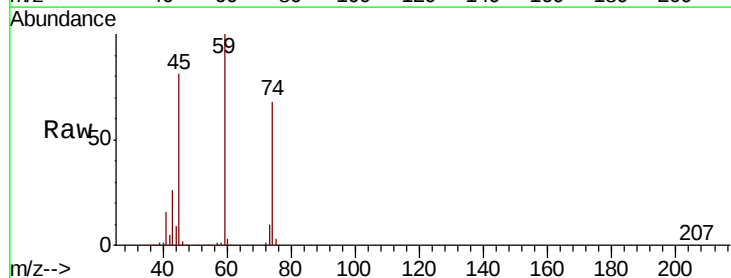
Tot Ion:101 Resp: 76947
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.2 75.4

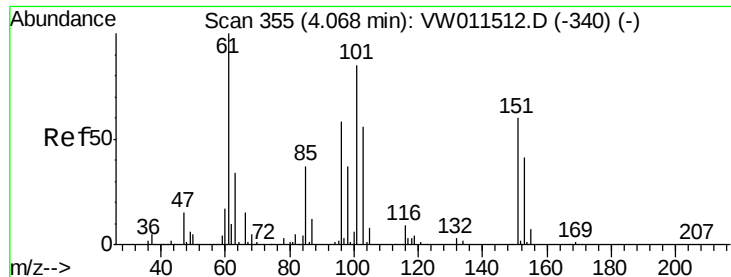


#8

Diethyl Ether
 Concen: 49.220 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 74 Resp: 70659
 Ion Ratio Lower Upper
 74 100
 45 120.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.528 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

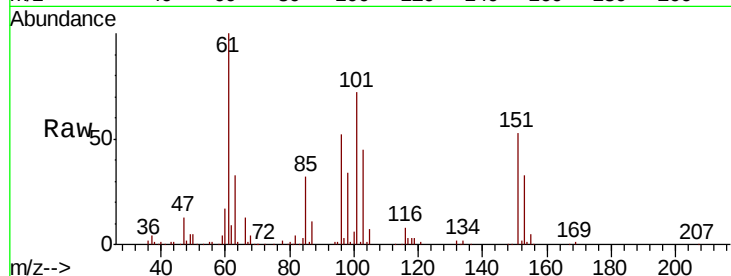
Tot Ion:101 Resp: 130968

Ion Ratio Lower Upper

101 100

85 44.4 36.6 54.8

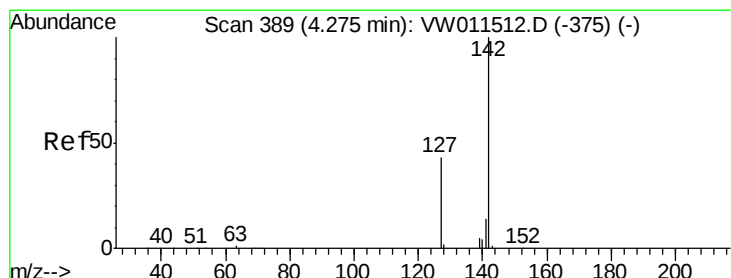
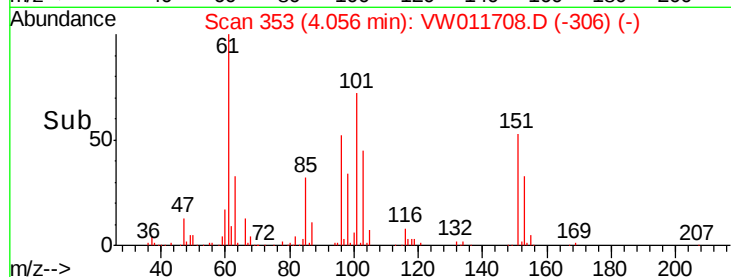
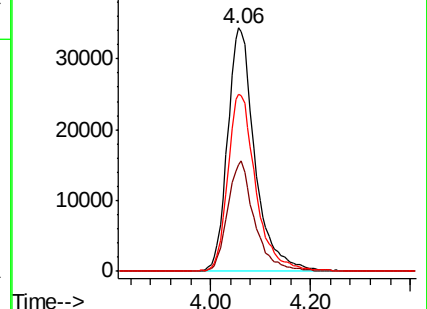
151 74.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.984 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

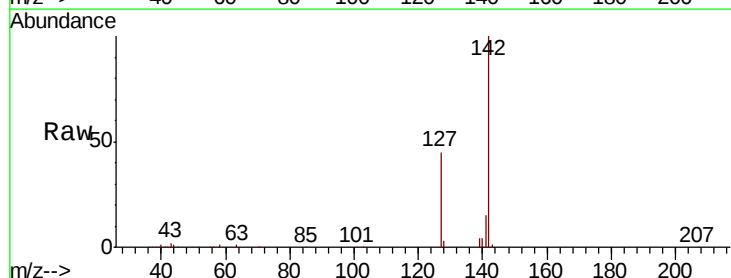
Tgt Ion:142 Resp: 169658

Ion Ratio Lower Upper

142 100

127 44.1 35.0 52.6

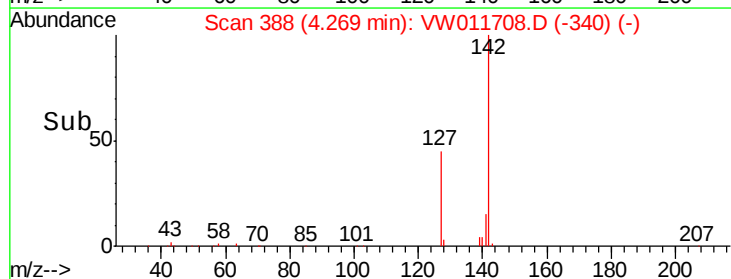
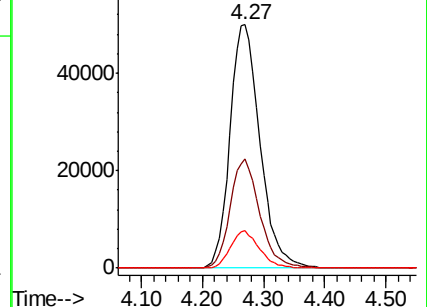
141 14.9 11.9 17.9

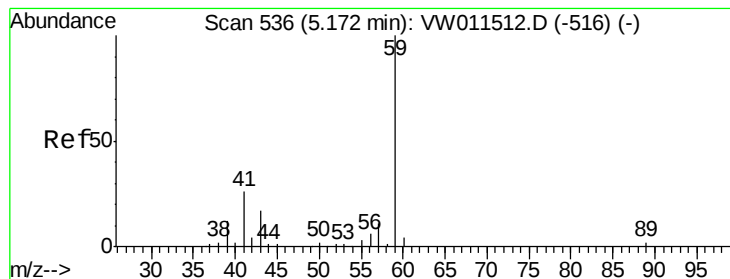


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



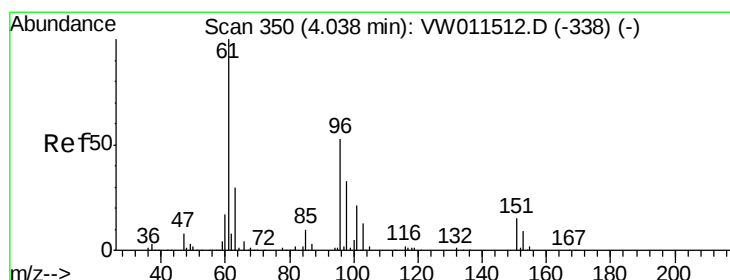
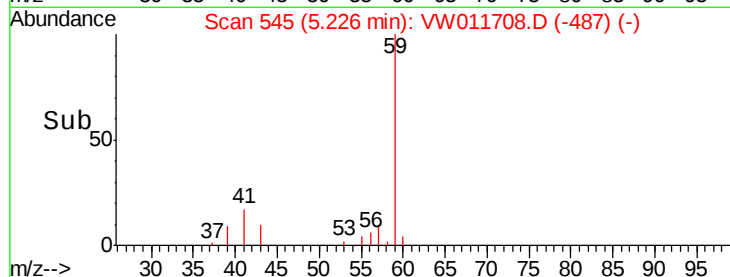
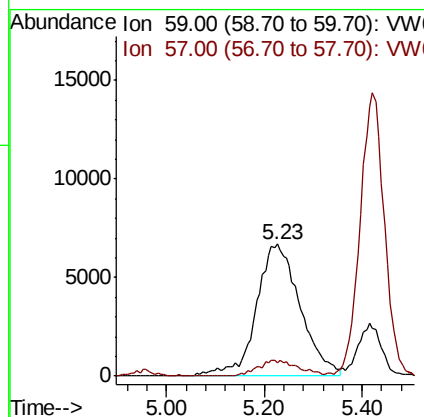
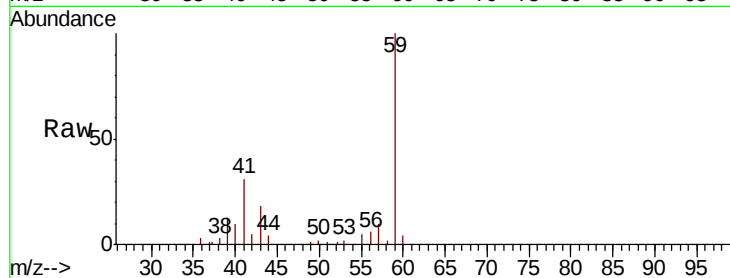


#11

Tert butyl alcohol
 Concen: 199.311 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. 0.06 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

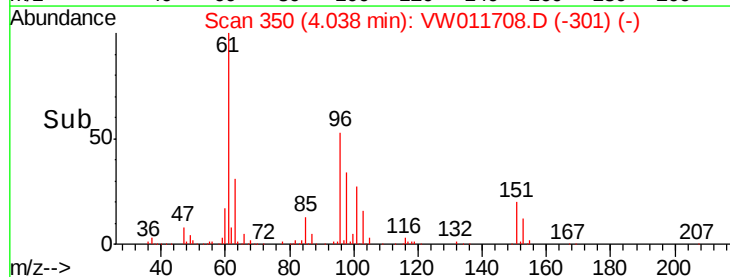
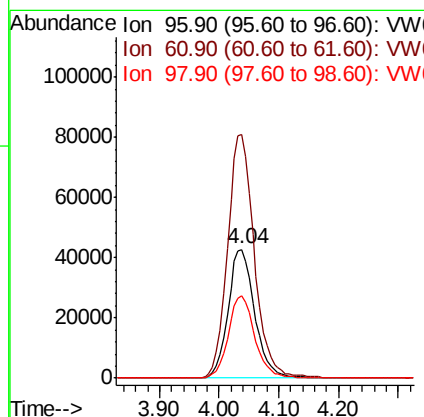
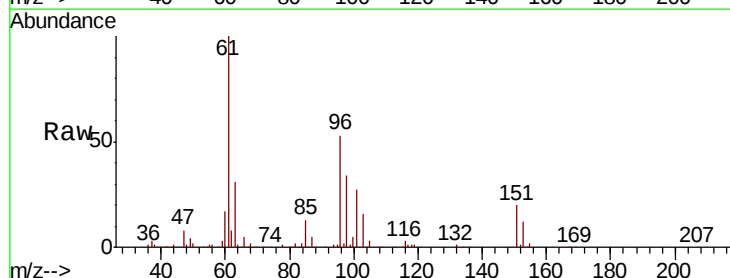
Tot Ion: 59 Resp: 41874
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.5 12.7#

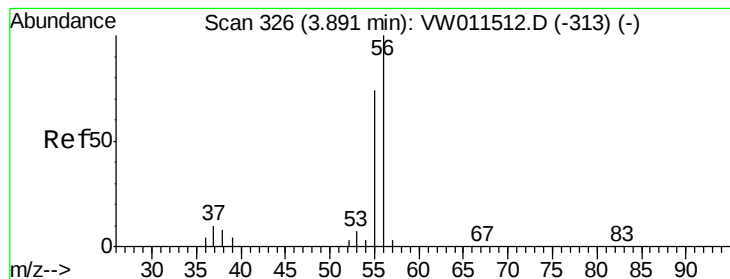


#12

1,1-Dichloroethene
 Concen: 52.208 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 96 Resp: 132398
 Ion Ratio Lower Upper
 96 100
 61 189.1 149.9 224.9
 98 63.6 49.1 73.7





#13

Acrolein

Concen: 245.246 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

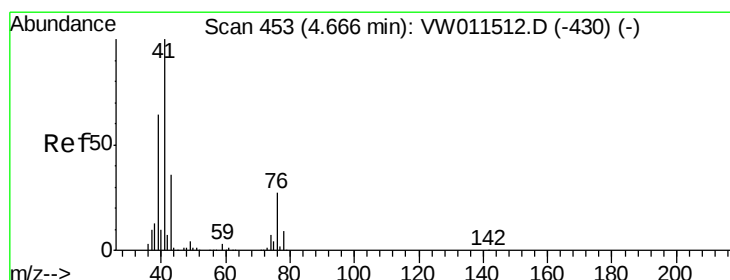
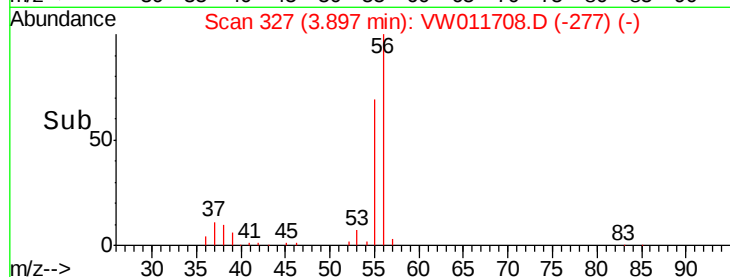
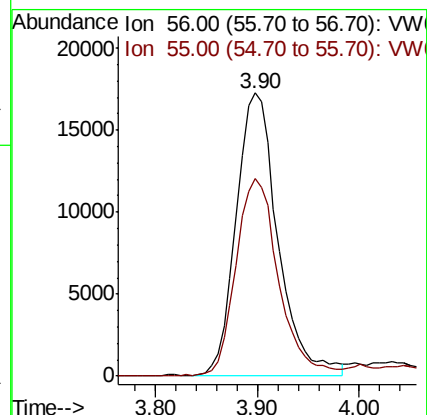
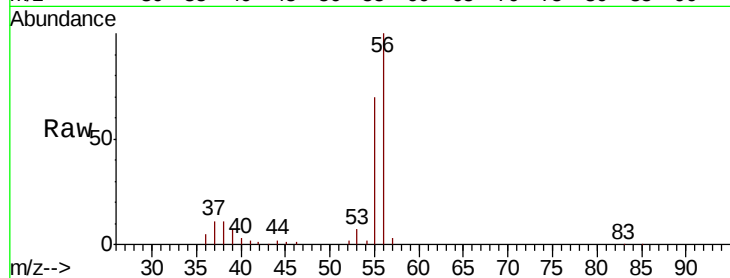
VSTDCCC050

Tot Ion: 56 Resp: 49203

Ion Ratio Lower Upper

56 100

55 71.7 56.0 84.0



#14

Allyl chloride

Concen: 52.955 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

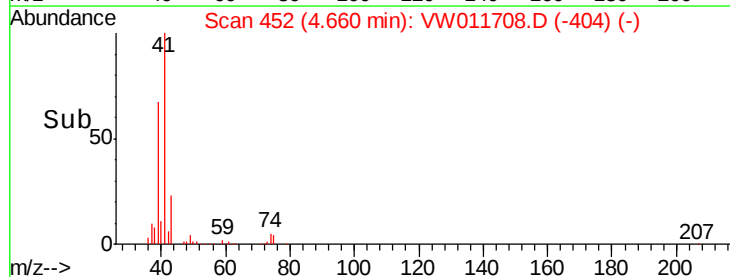
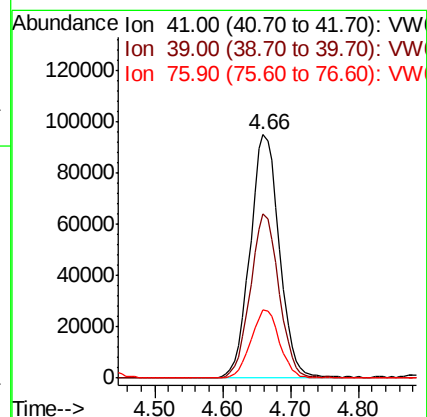
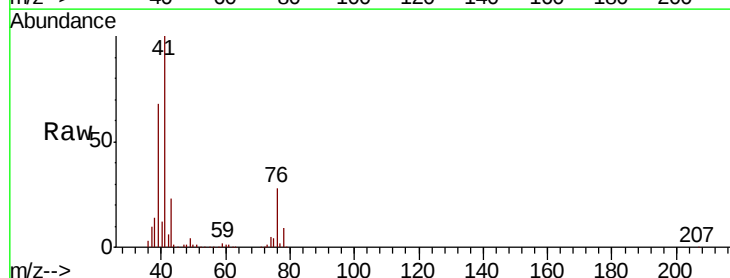
Tgt Ion: 41 Resp: 285624

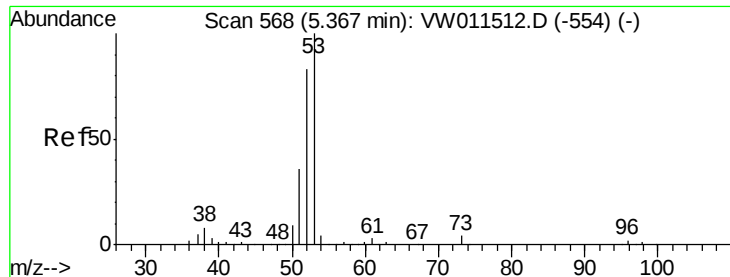
Ion Ratio Lower Upper

41 100

39 65.9 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 230.329 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

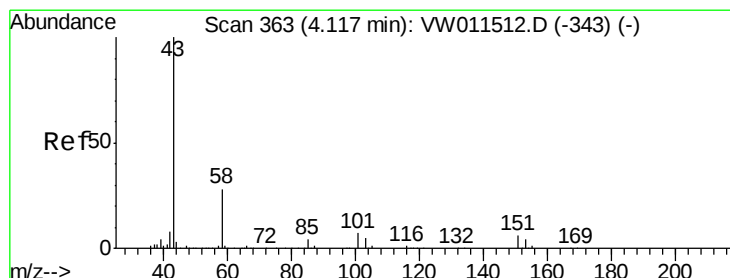
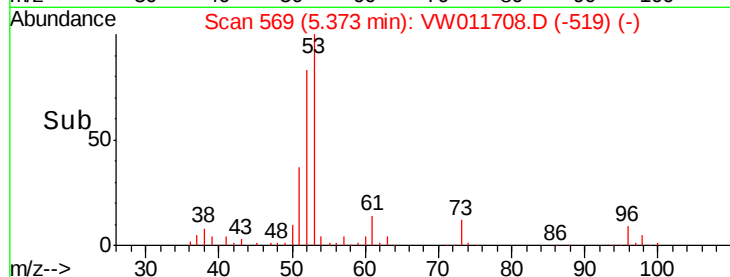
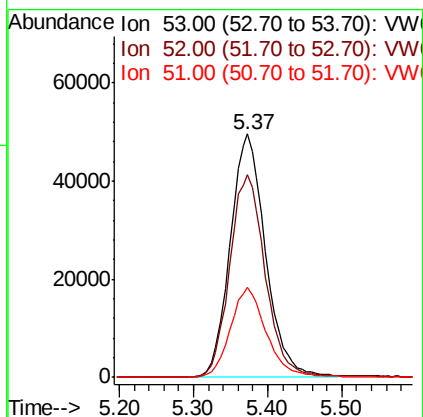
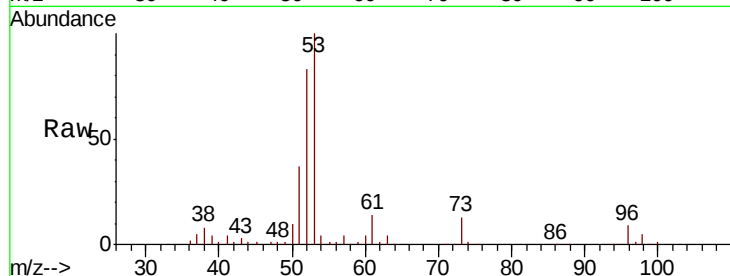
Tot Ion: 53 Resp: 165058

Ion Ratio Lower Upper

53 100

52 83.4 67.2 100.8

51 37.7 30.0 45.0



#16

Acetone

Concen: 216.376 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011708.D

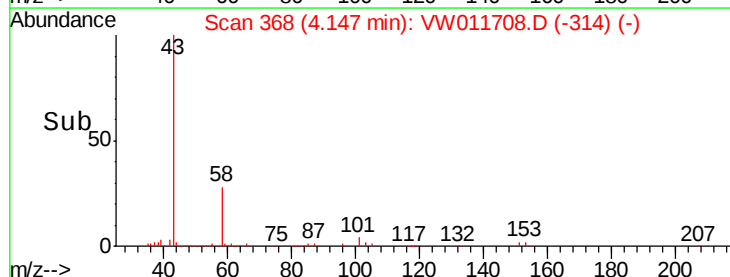
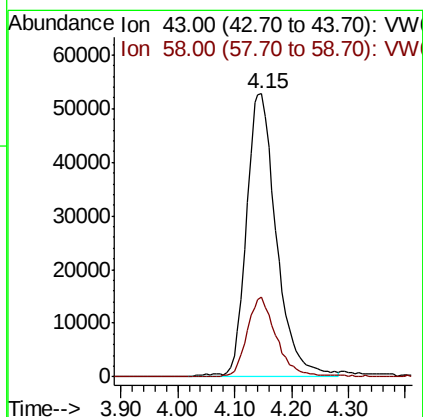
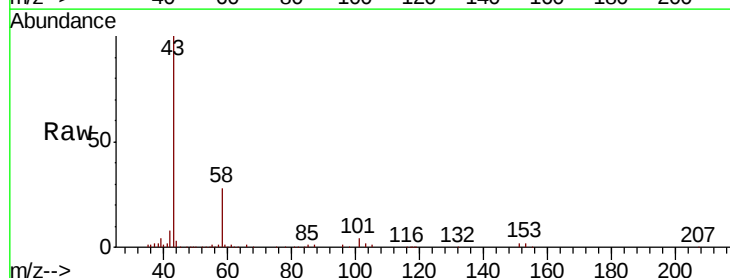
Acq: 05 Aug 2019 14:27

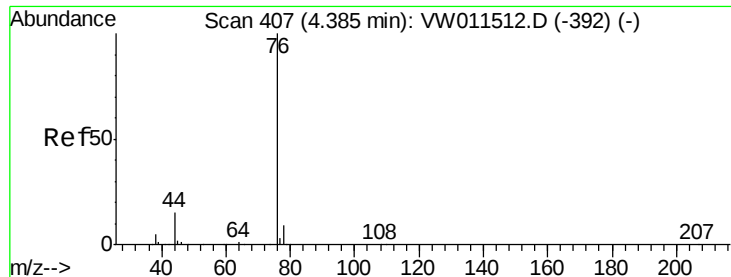
Tgt Ion: 43 Resp: 192451

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5

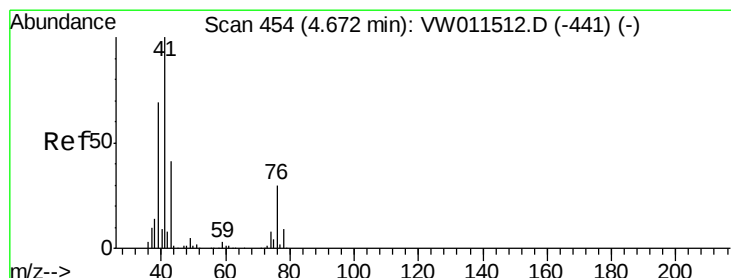
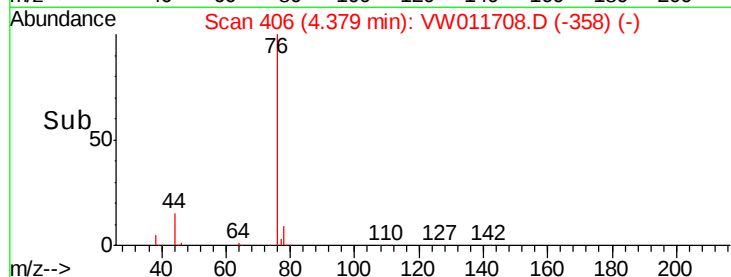
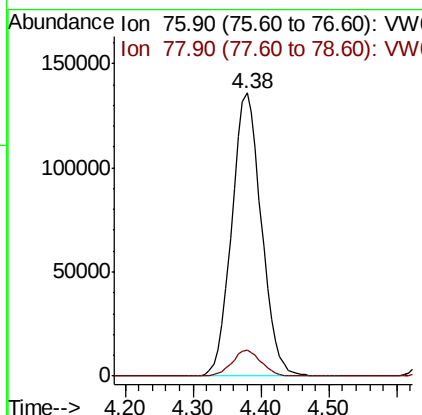
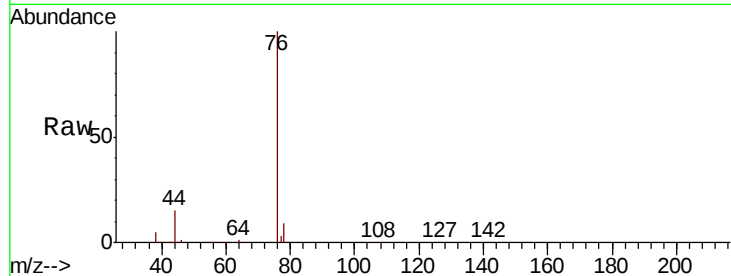




#17
Carbon Disulfide
Concen: 51.804 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

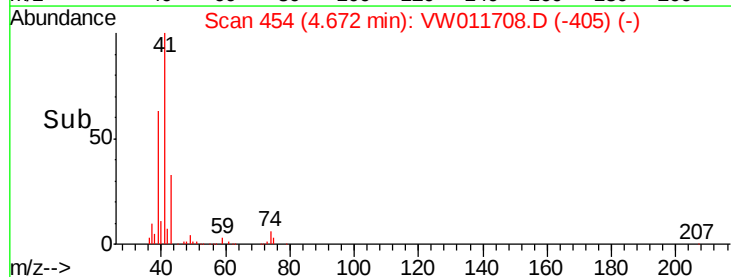
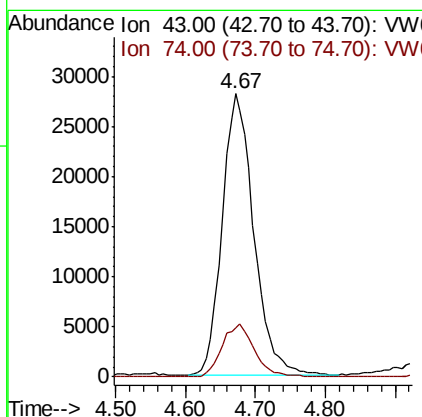
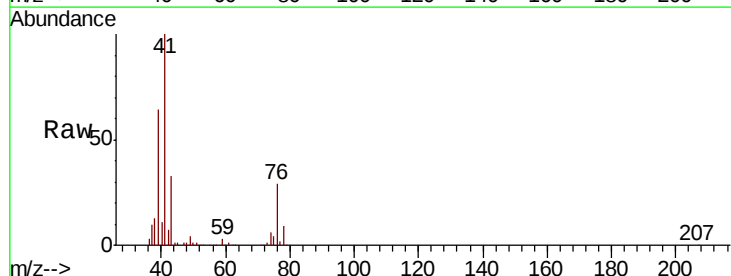
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

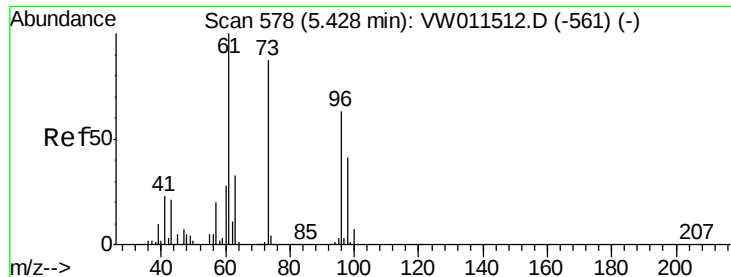
Tot Ion: 76 Resp: 411177
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 44.035 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 43 Resp: 87985
Ion Ratio Lower Upper
43 100
74 19.0 15.9 23.9

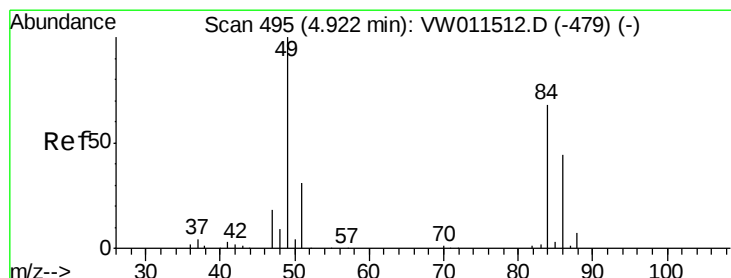
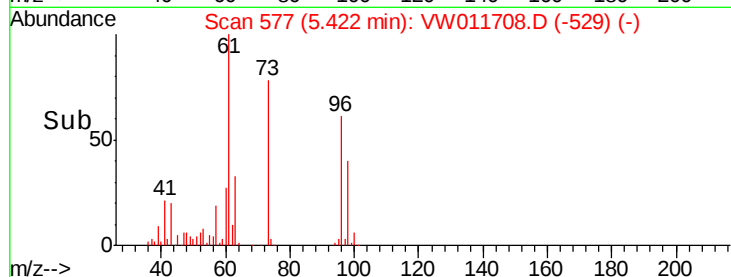
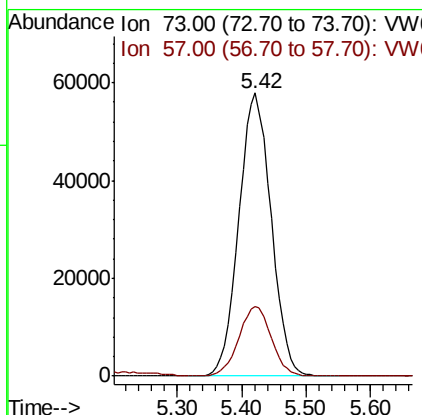
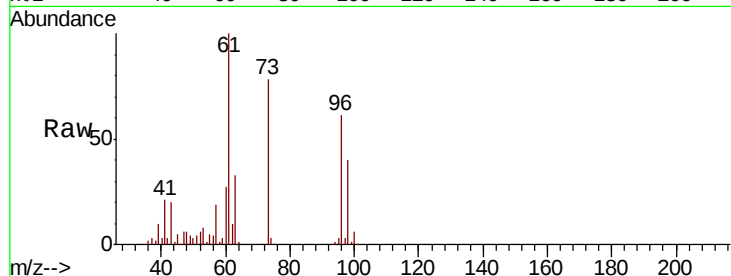




#19
Methyl tert-butyl Ether
Concen: 49.724 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

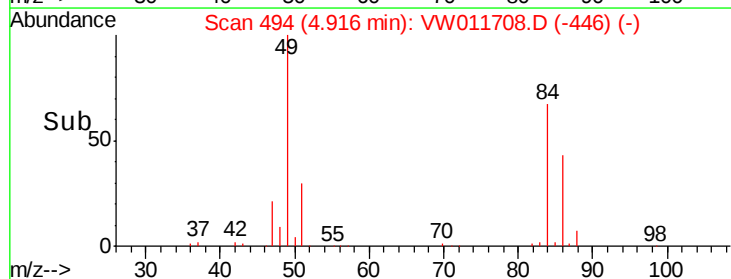
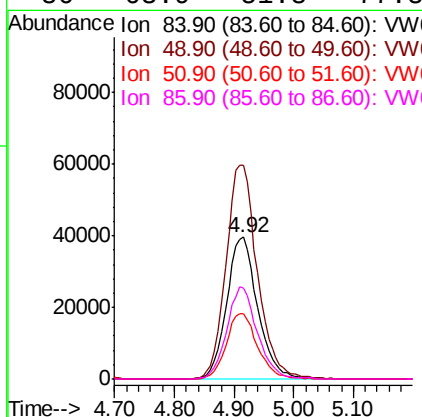
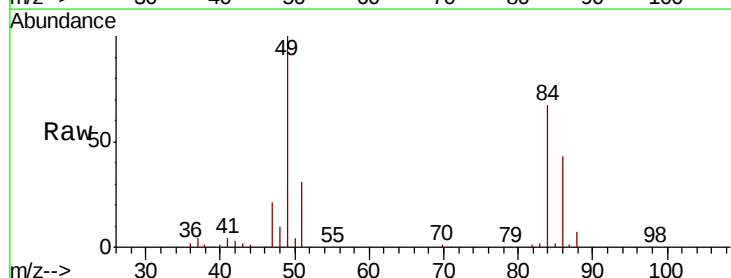
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

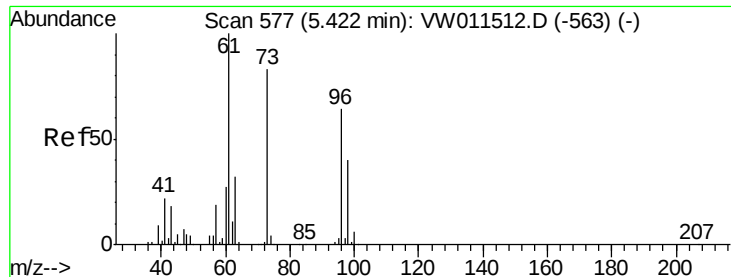
Tot Ion: 73 Resp: 200103
Ion Ratio Lower Upper
73 100
57 24.8 18.4 27.6



#20
Methylene Chloride
Concen: 46.699 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 84 Resp: 143246
Ion Ratio Lower Upper
84 100
49 150.3 117.8 176.6
51 45.9 37.0 55.4
86 63.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 51.959 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

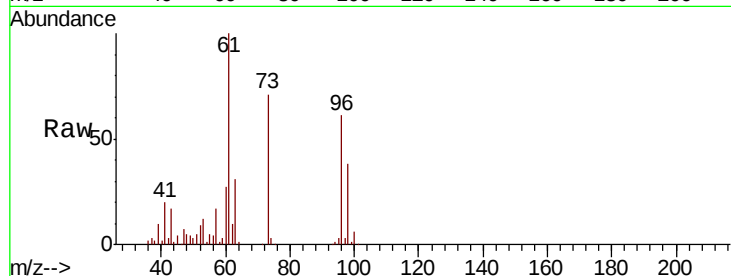
Tot Ion: 96 Resp: 142059

Ion Ratio Lower Upper

96 100

61 164.5 125.7 188.5

98 62.4 50.3 75.5

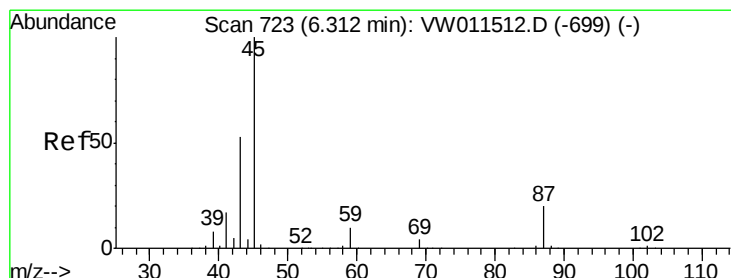
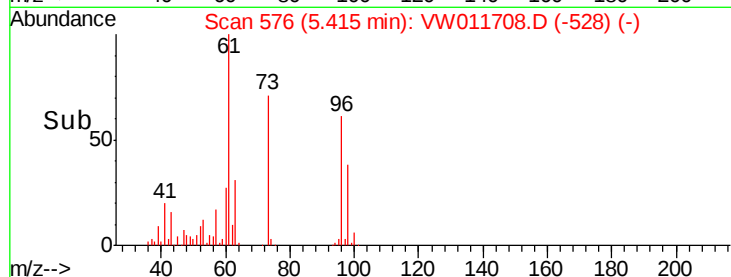
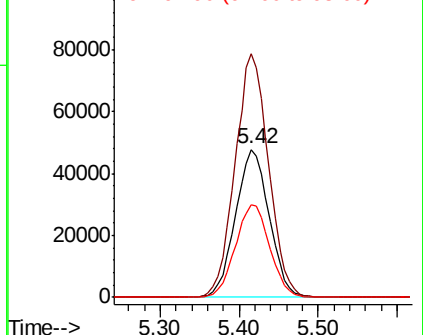


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.151 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Tgt Ion: 45 Resp: 509999

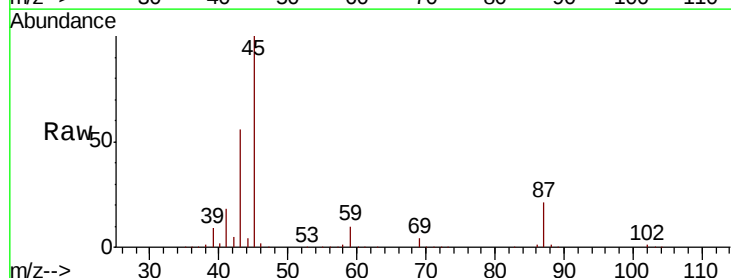
Ion Ratio Lower Upper

45 100

43 55.5 42.6 63.8

87 21.2 16.4 24.6

59 10.2 8.2 12.2



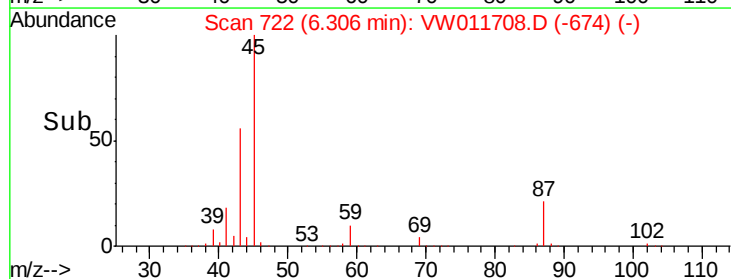
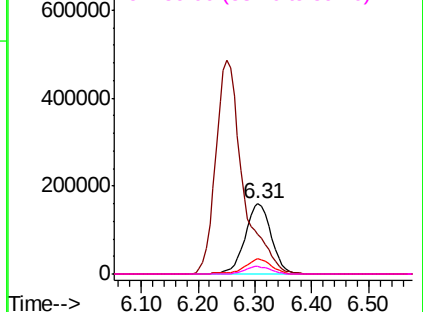
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

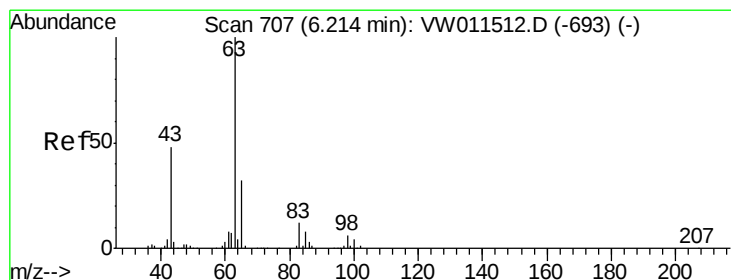
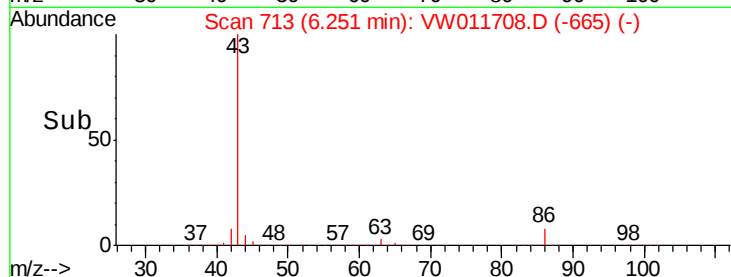
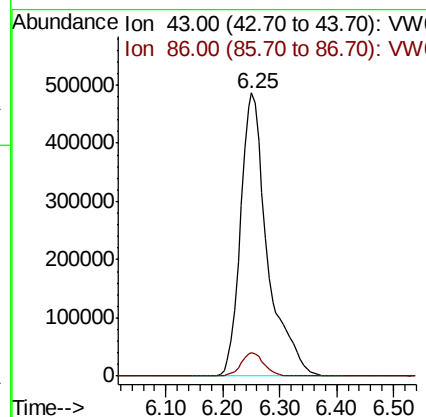
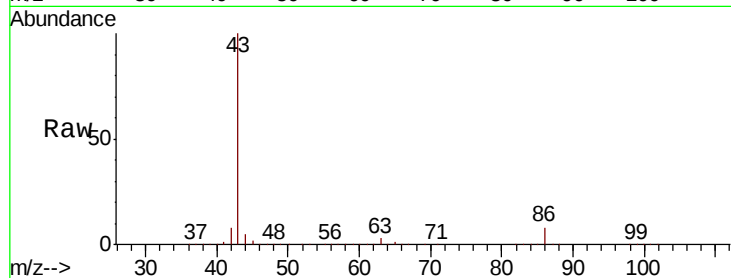




#23
 Vinyl Acetate
 Concen: 251.145 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

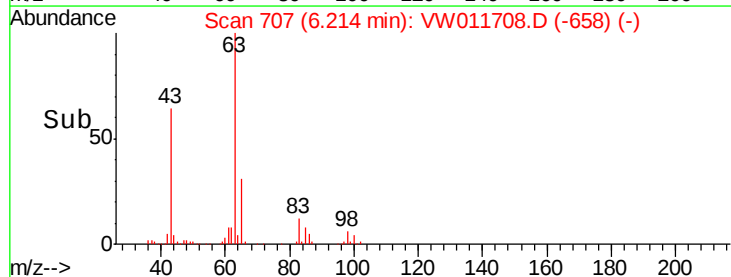
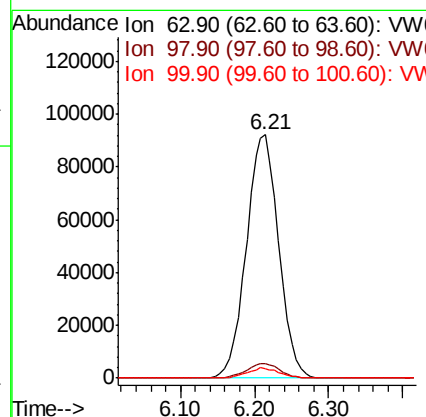
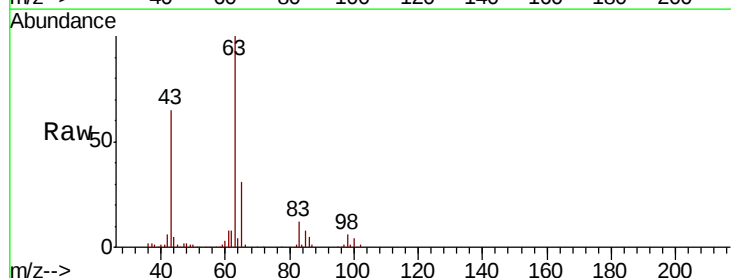
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

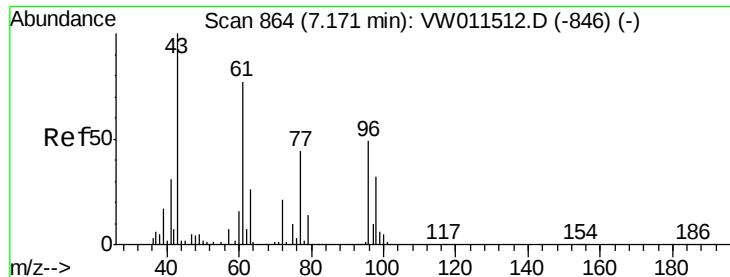
Tot Ion: 43 Resp: 1604787
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 51.506 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 63 Resp: 280516
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 218.434 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampled :

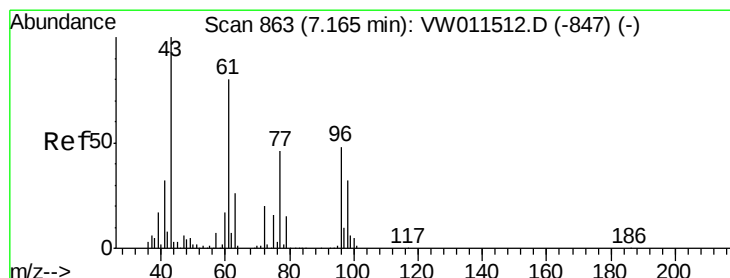
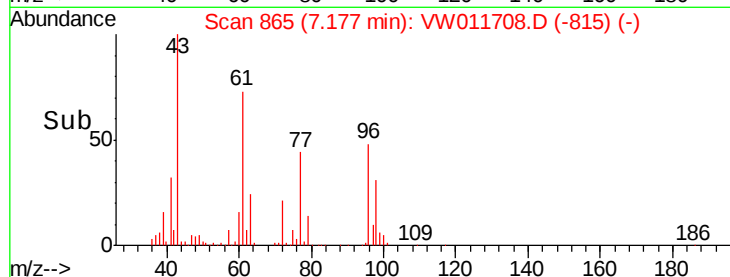
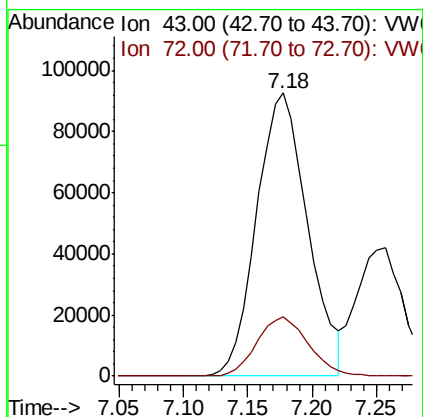
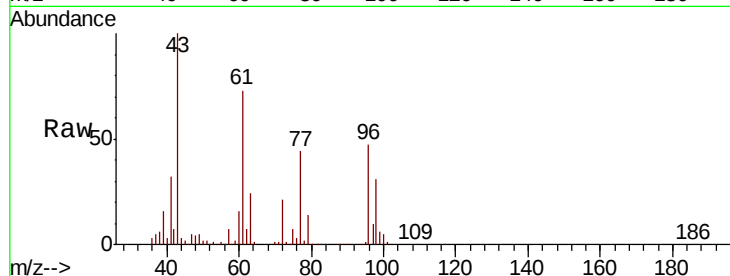
VSTDCCC050

Tot Ion: 43 Resp: 254222

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 48.470 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011708.D

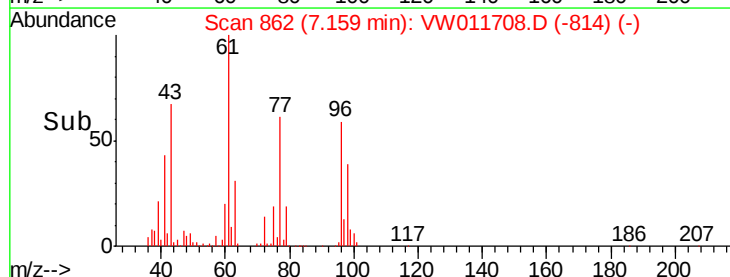
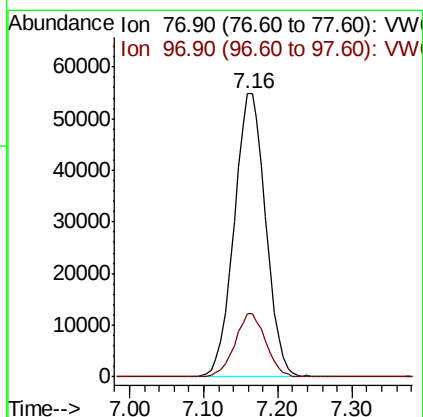
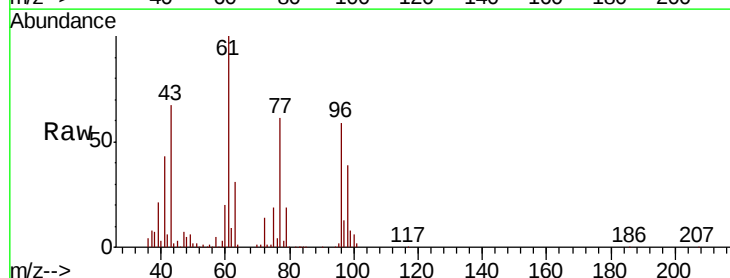
Acq: 05 Aug 2019 14:27

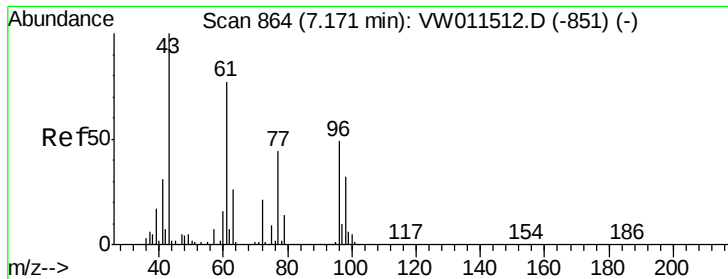
Tgt Ion: 77 Resp: 162347

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.4



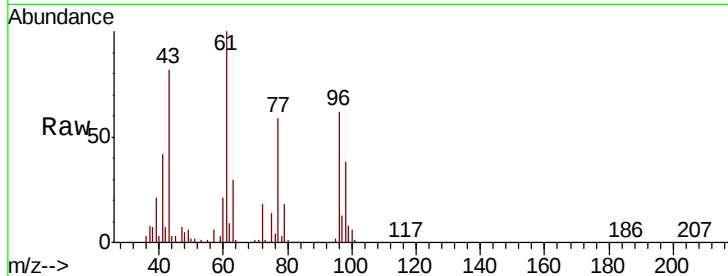


#27

cis-1,2-Dichloroethene
 Concen: 49.802 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	149857
Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	328.4
98	64.6	0.0	128.8

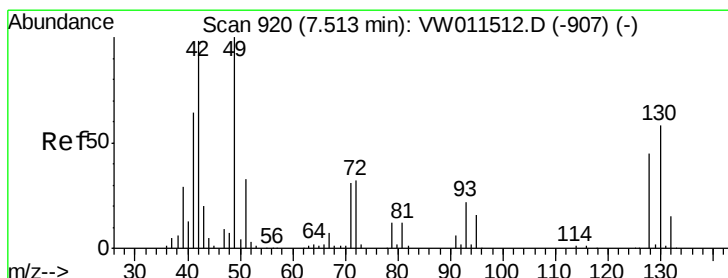
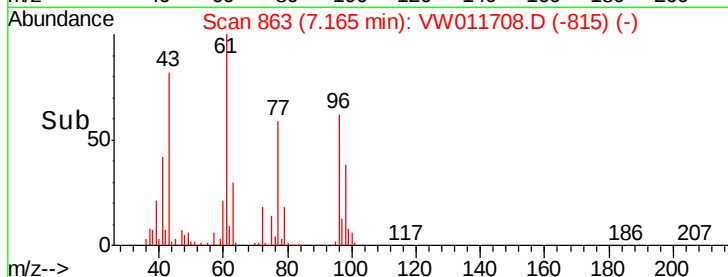
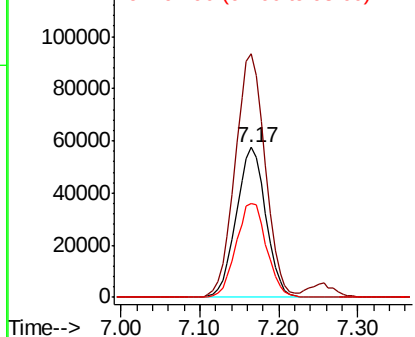


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

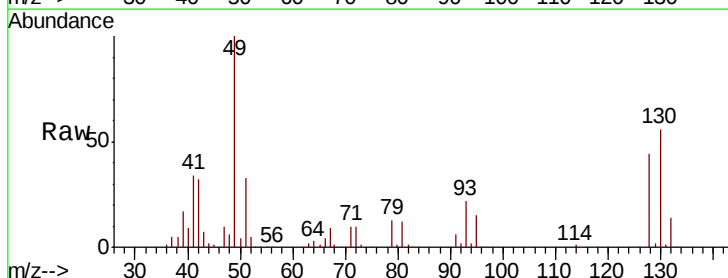
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 53.055 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion	49	Resp	128256
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.0#
130	56.9	46.3	69.5

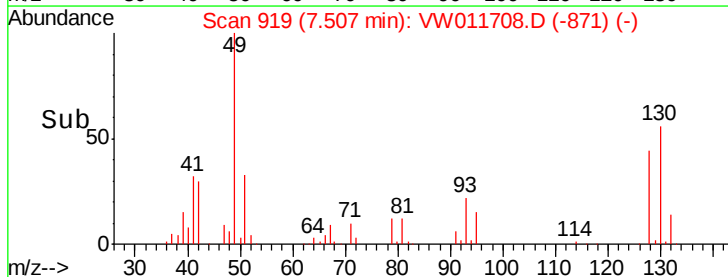
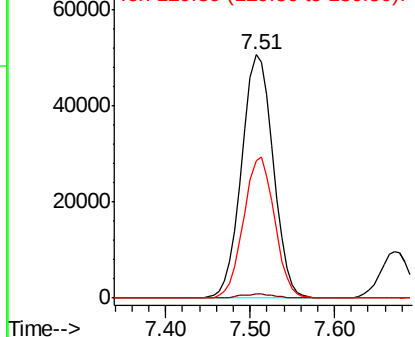


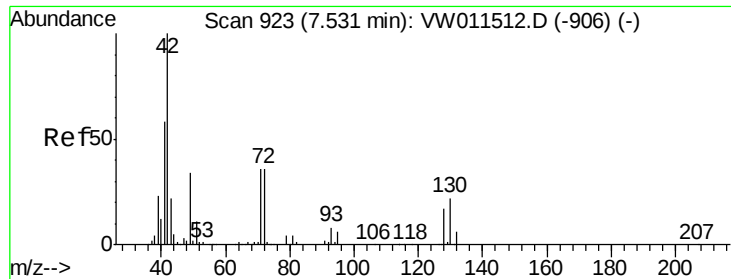
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

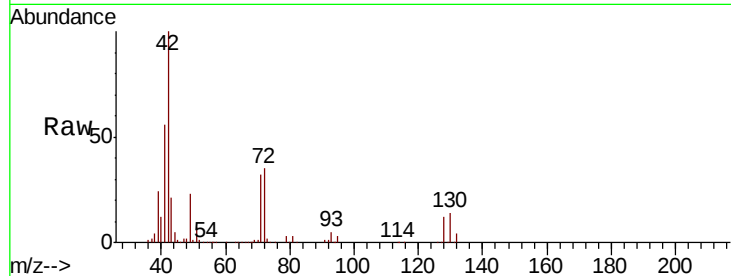




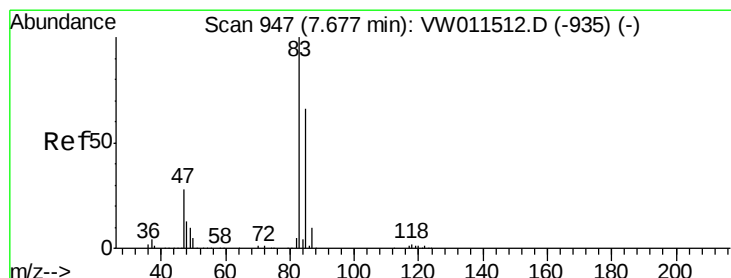
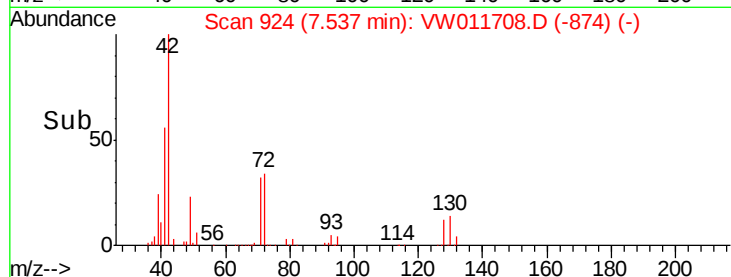
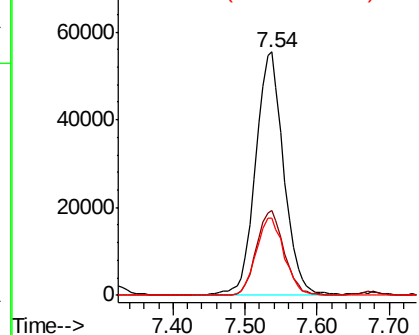
#29
Tetrahydrofuran
Concen: 227.578 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 151399
Ion Ratio Lower Upper
42 100
72 34.1 27.1 40.7
71 31.7 26.2 39.4

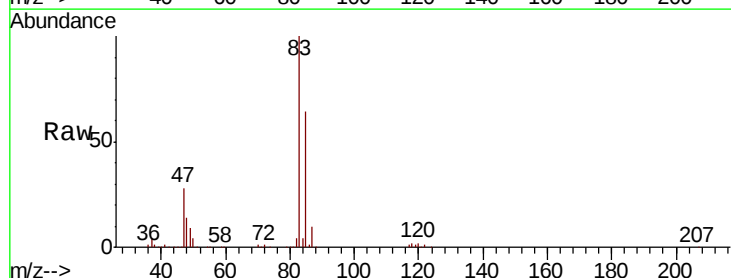


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

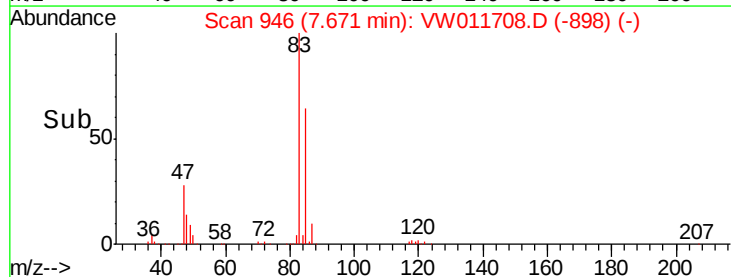
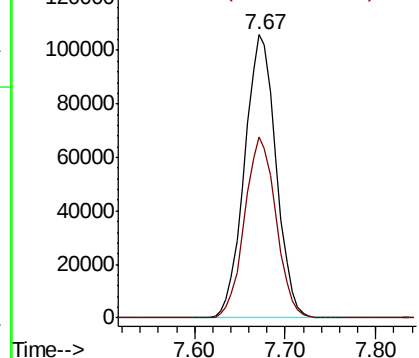


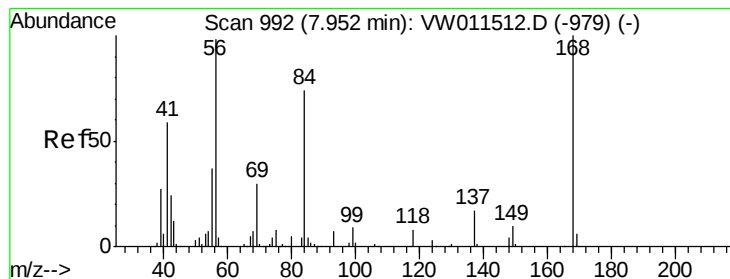
#30
Chloroform
Concen: 50.592 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 83 Resp: 254205
Ion Ratio Lower Upper
83 100
85 64.0 52.5 78.7



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





#31

Cyclohexane

Concen: 50.894 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

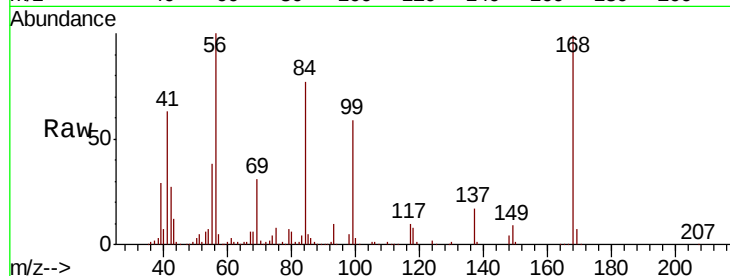
Tot Ion: 56 Resp: 266075

Ion Ratio Lower Upper

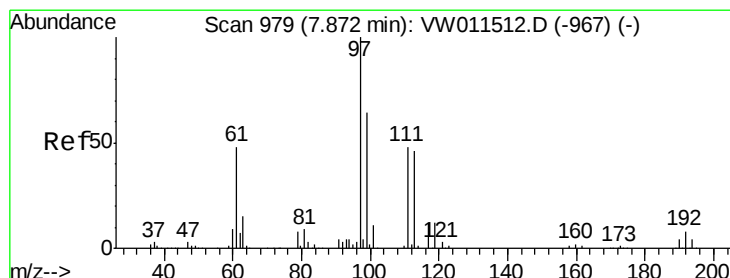
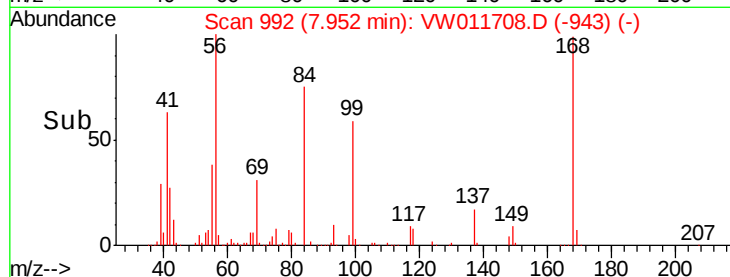
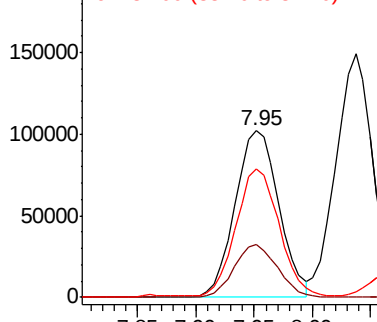
56 100

69 31.5 24.3 36.5

84 75.8 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 54.276 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

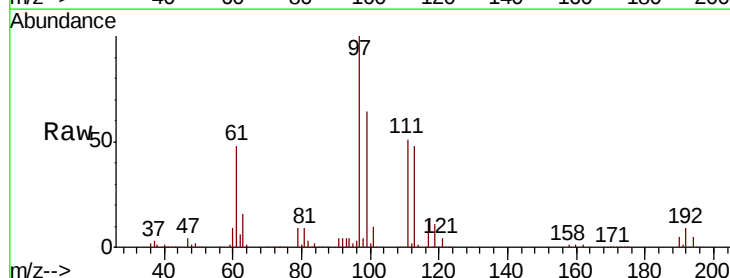
Tgt Ion: 97 Resp: 207689

Ion Ratio Lower Upper

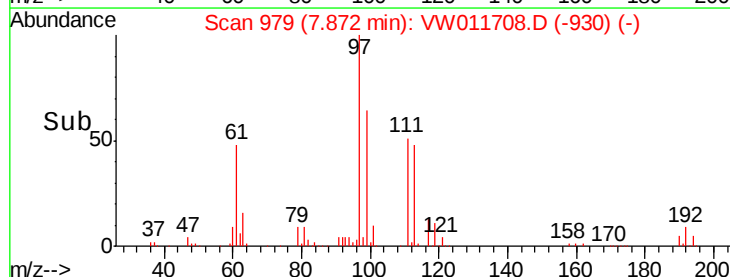
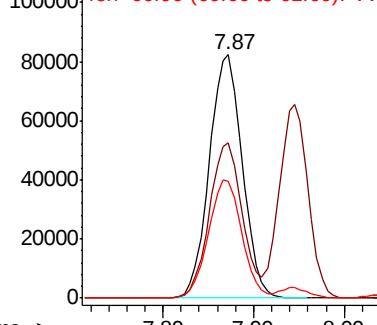
97 100

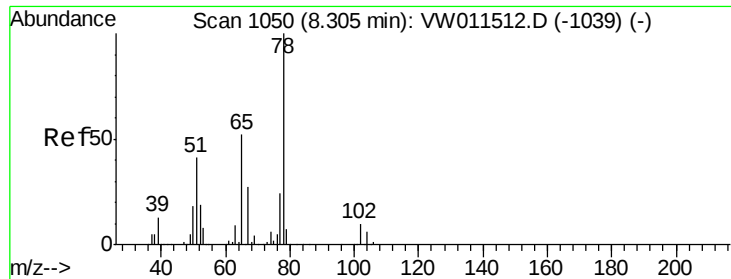
99 63.8 51.0 76.6

61 49.3 39.8 59.6



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

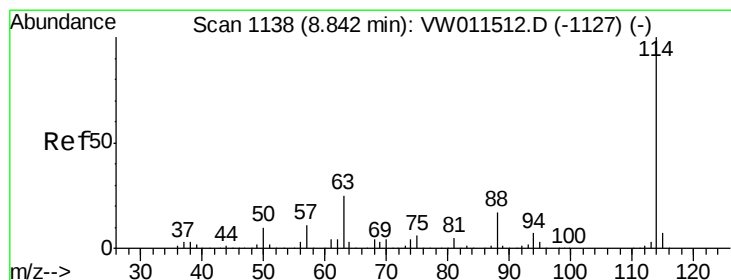
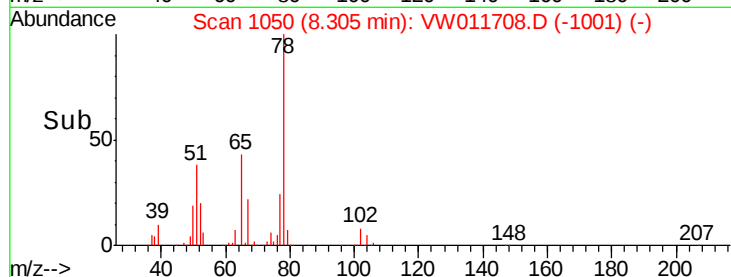
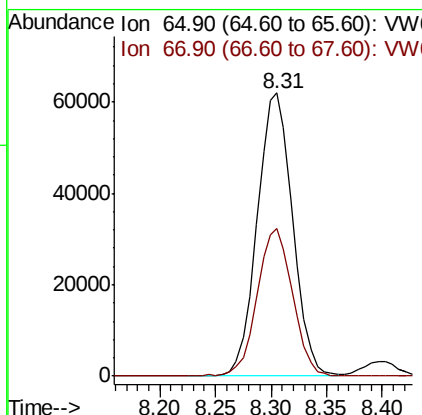
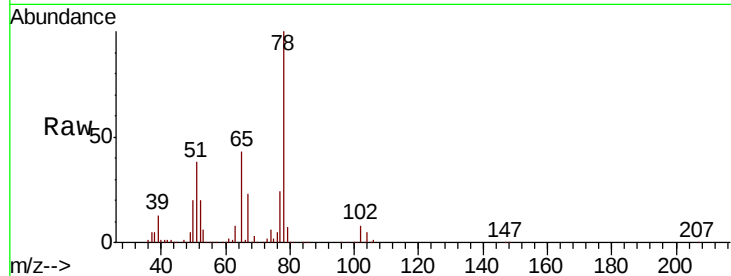




#33
 1,2-Dichloroethane-d4
 Concen: 49.113 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

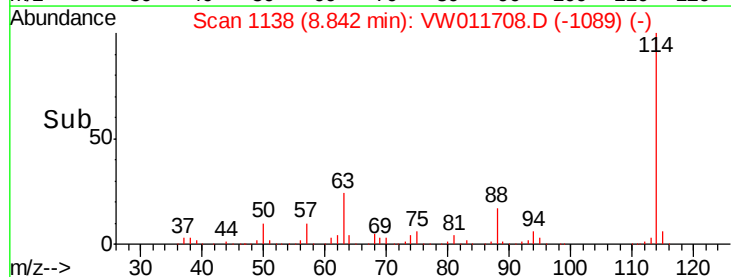
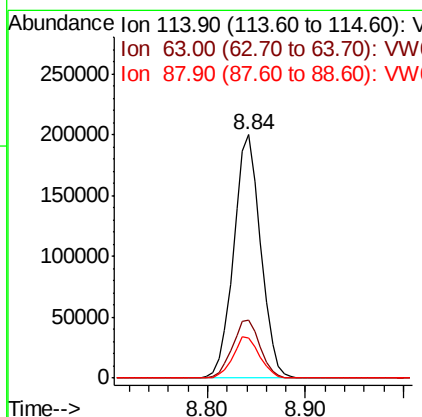
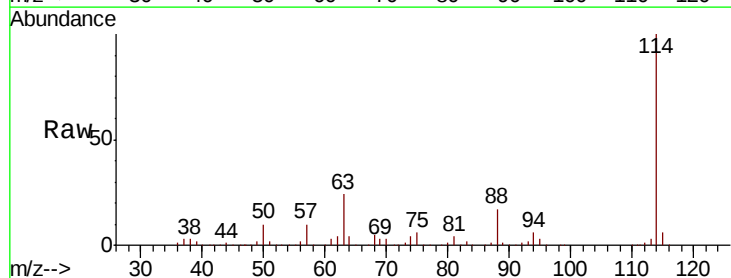
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

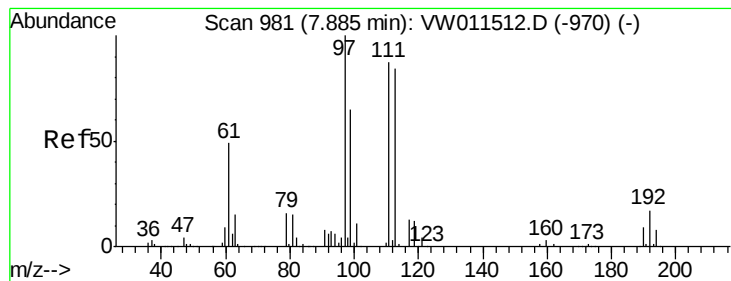
Tot Ion: 65 Resp: 137325
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 114 Resp: 382105
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.425 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

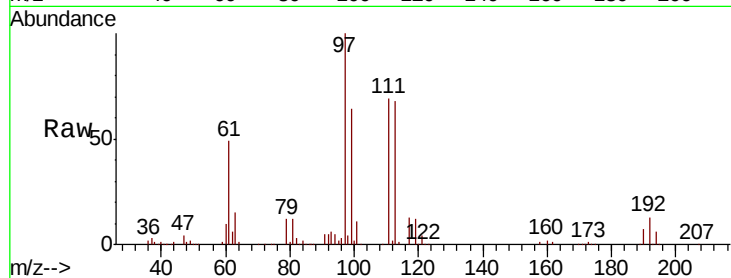
Tot Ion:113 Resp: 112383

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

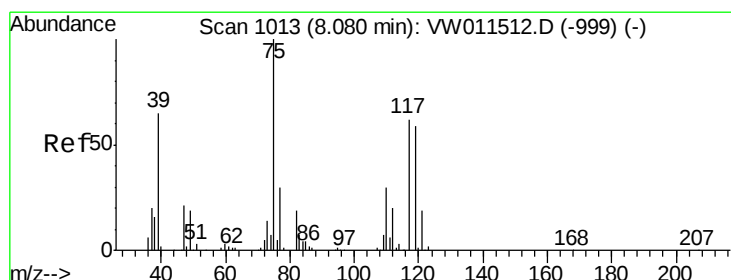
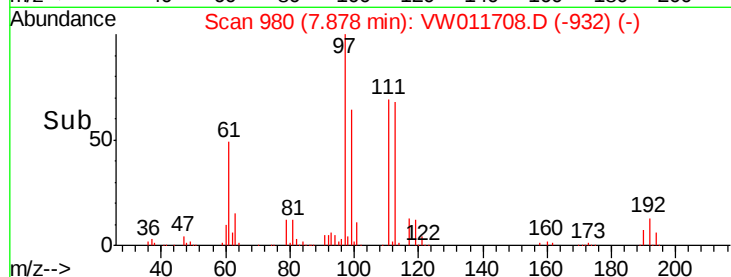
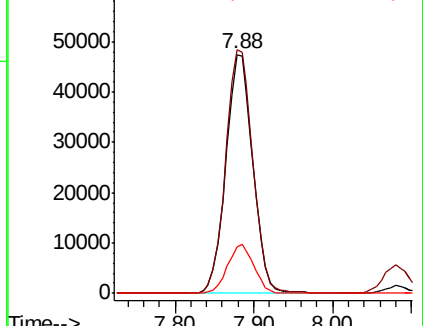
192 20.1 16.1 24.1



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: 55.391 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

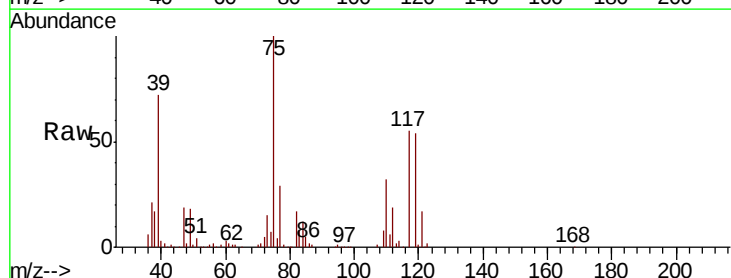
Tgt Ion: 75 Resp: 220078

Ion Ratio Lower Upper

75 100

110 31.2 15.6 46.8

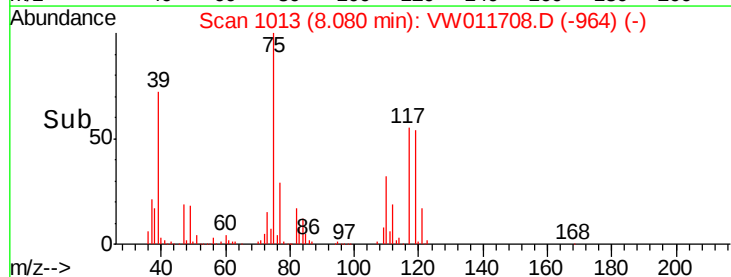
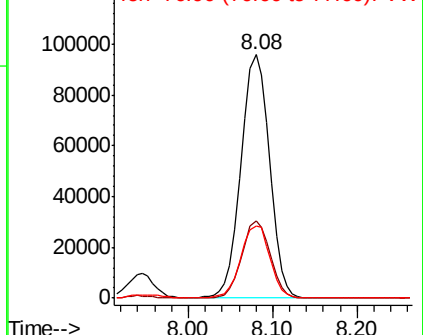
77 30.4 24.3 36.5

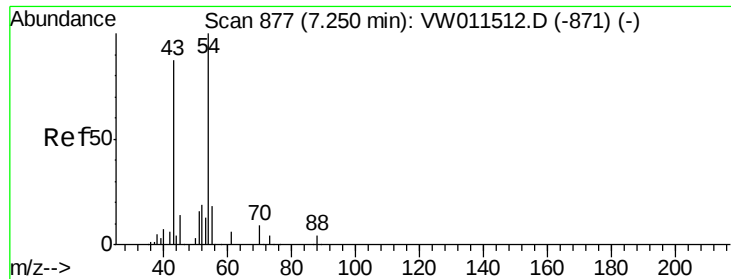


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

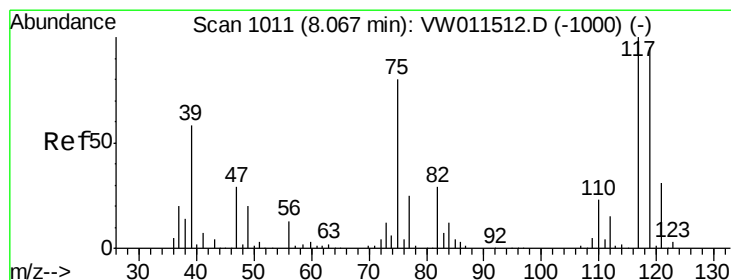
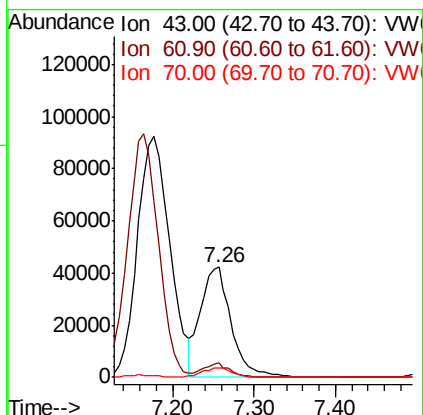
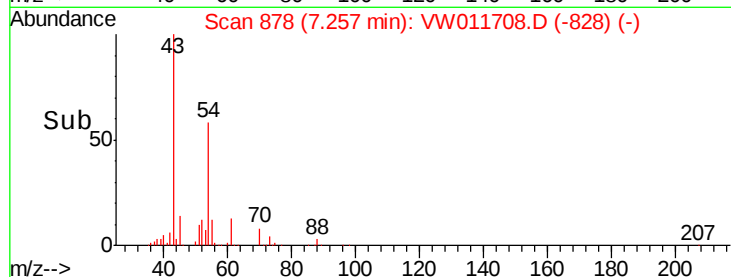
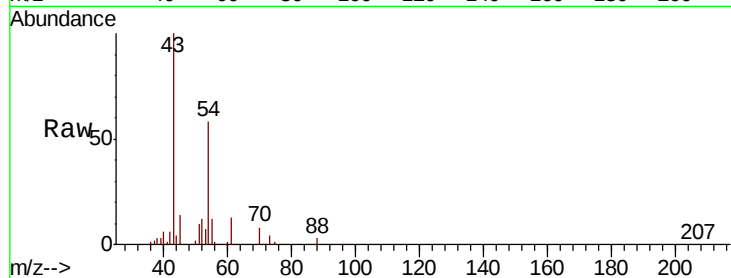




#37
Ethyl Acetate
Concen: 48.269 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

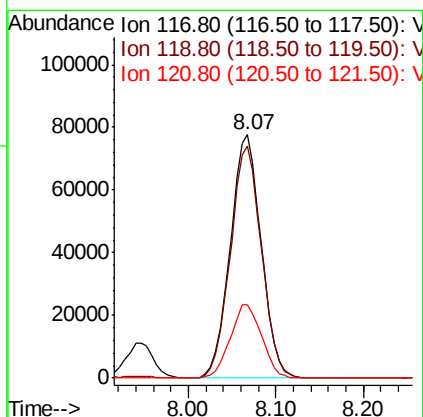
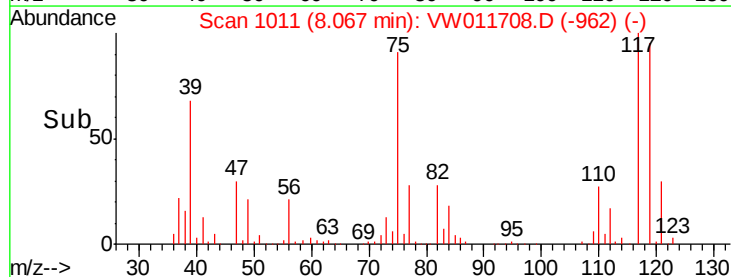
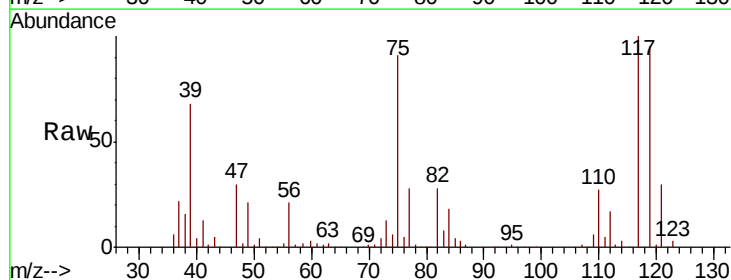
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

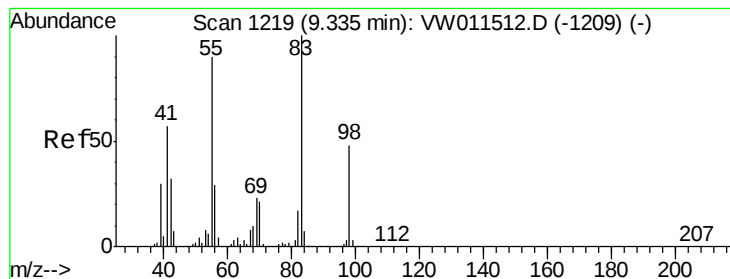
Tot Ion: 43 Resp: 110337
Ion Ratio Lower Upper
43 100
61 11.9 8.8 13.2
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 55.950 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 117 Resp: 190304
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.6
121 30.0 24.7 37.1





#39

Methvlcvclohexane

Concen: 57.039 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

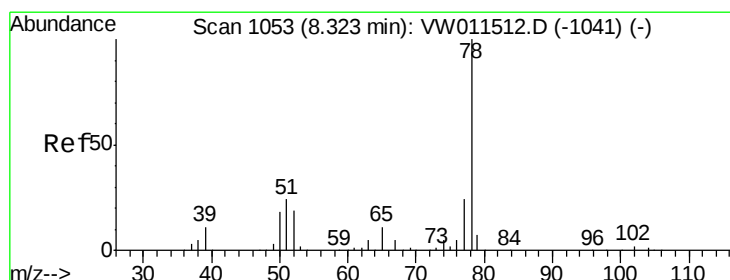
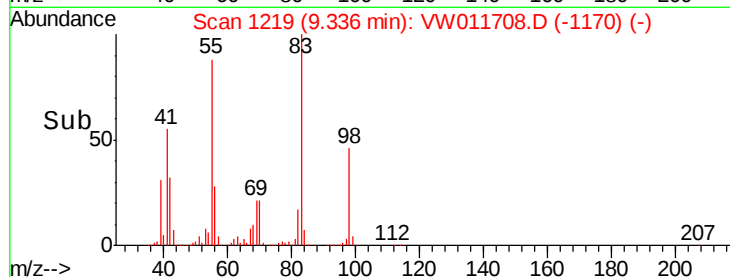
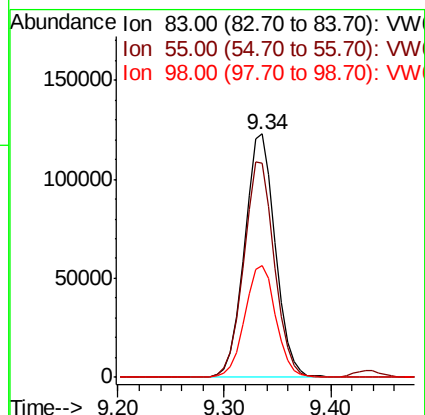
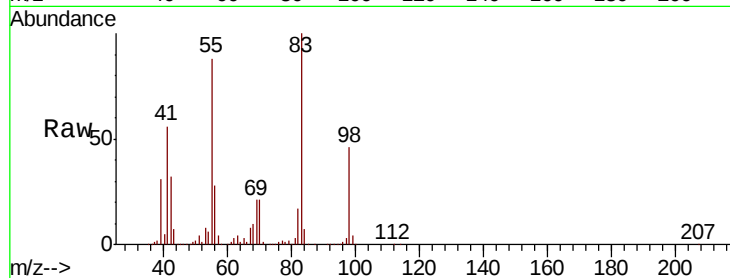
Tot Ion: 83 Resp: 249544

Ion Ratio Lower Upper

83 100

55 87.8 72.1 108.1

98 45.7 38.6 57.8



#40

Benzene

Concen: 52.567 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011708.D

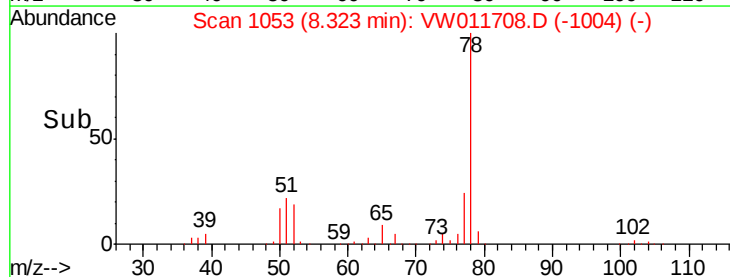
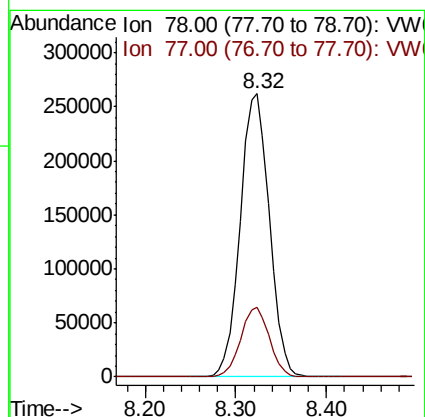
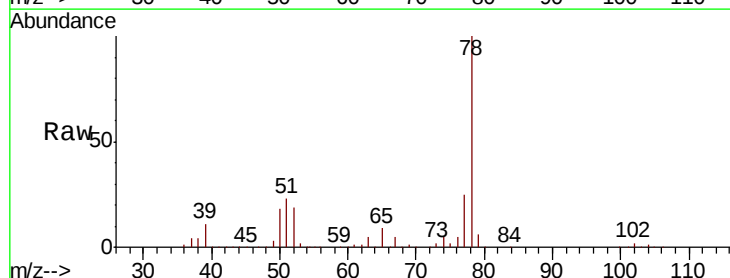
Acq: 05 Aug 2019 14:27

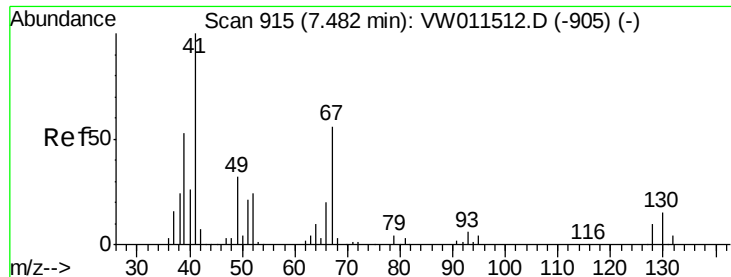
Tgt Ion: 78 Resp: 585025

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 51.292 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 70087

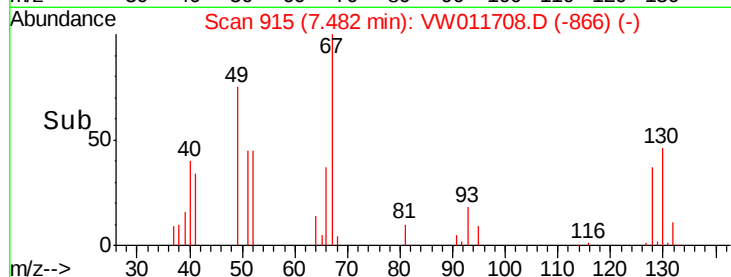
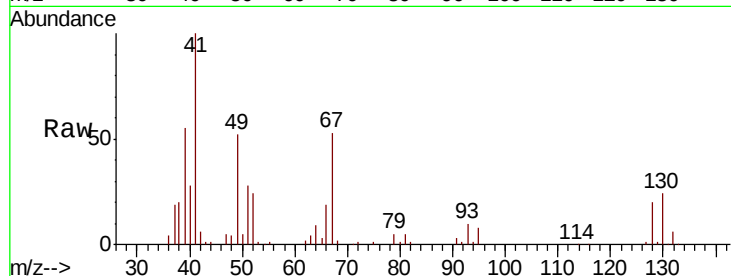
Ion Ratio Lower Upper

41 100

39 58.1 43.0 64.4

67 54.1 47.5 71.3

52 25.4 21.0 31.6

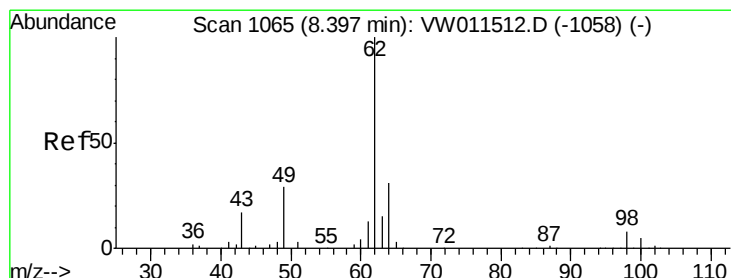
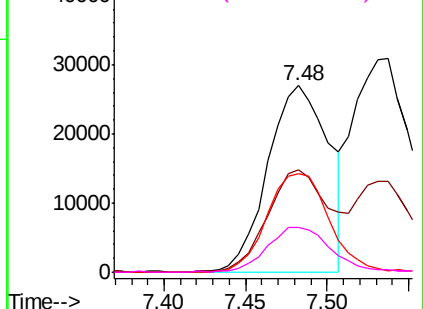


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.680 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011708.D

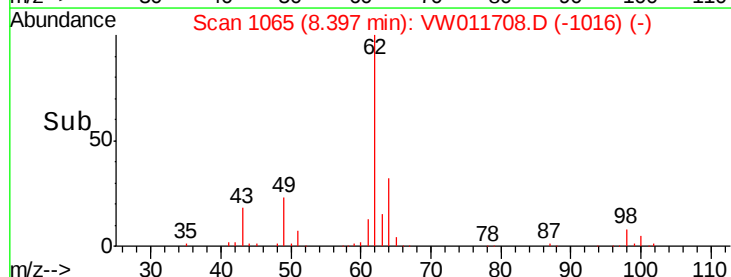
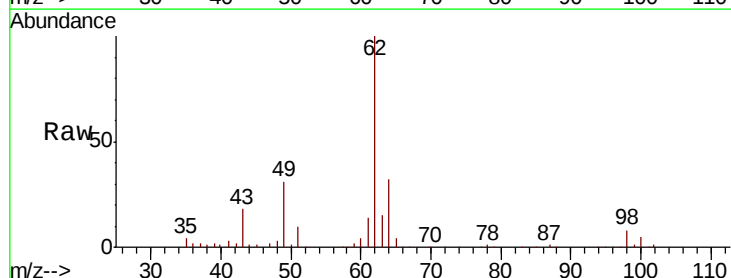
Acq: 05 Aug 2019 14:27

Tgt Ion: 62 Resp: 180073

Ion Ratio Lower Upper

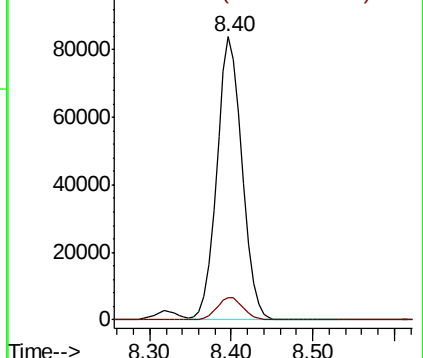
62 100

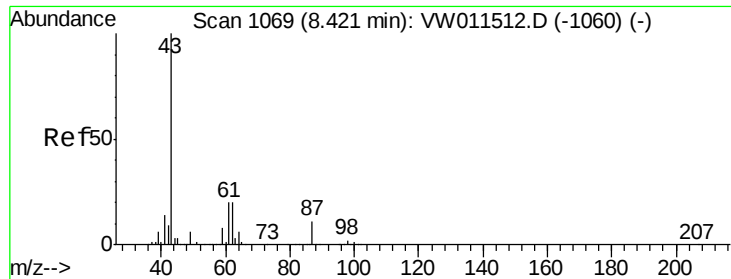
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



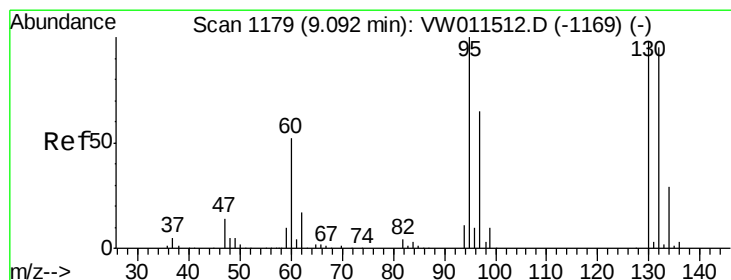
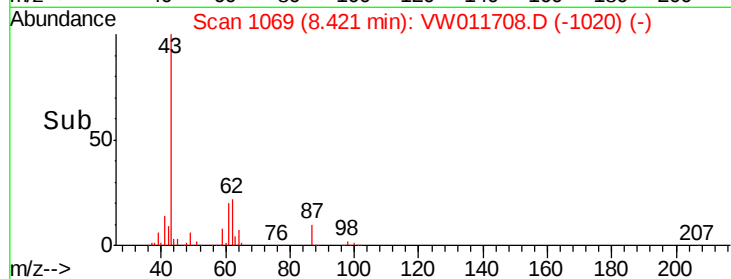
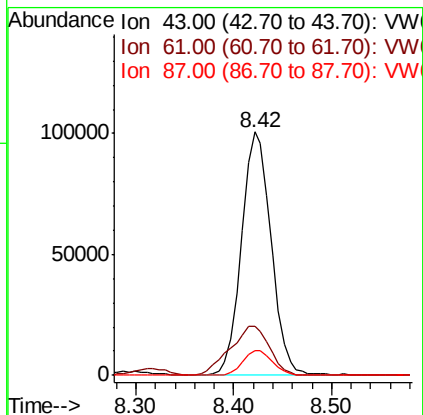
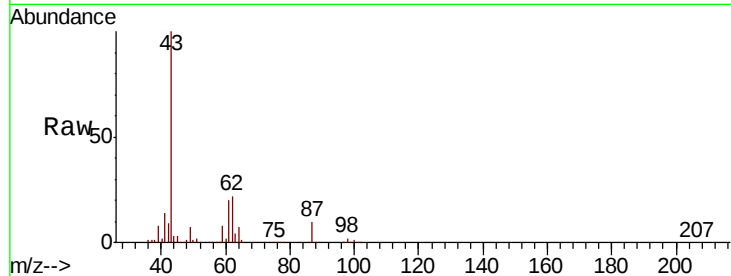


#43

Isopropyl Acetate
 Concen: 50.007 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

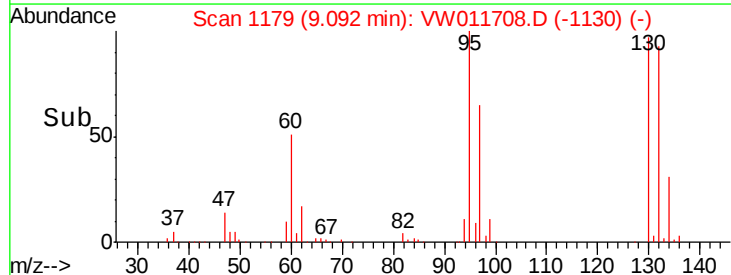
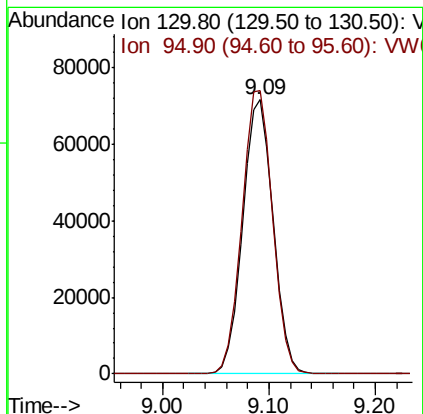
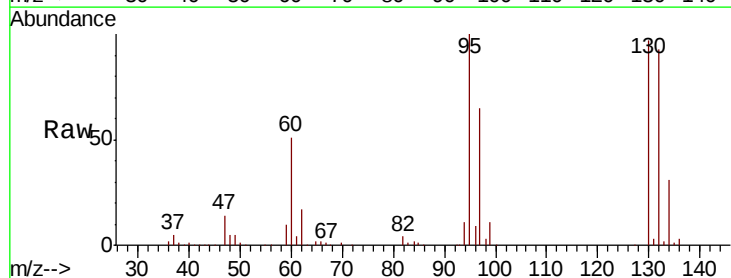
Tot Ion	43	Resp	210224
Ion Ratio	Lower	Upper	
43	100		
61	27.0	21.5	32.3
87	10.4	8.4	12.6

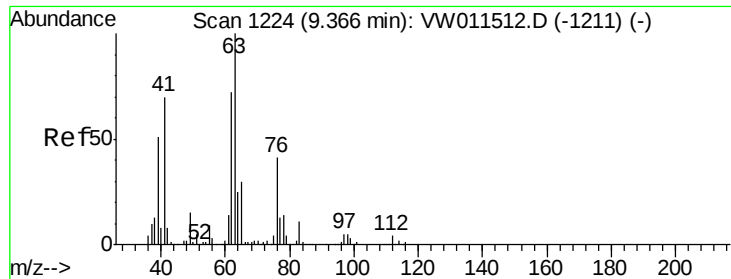


#44

Trichloroethene
 Concen: 53.682 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion	130	Resp	143591
Ion Ratio	Lower	Upper	
130	100		
95	103.3	0.0	204.8

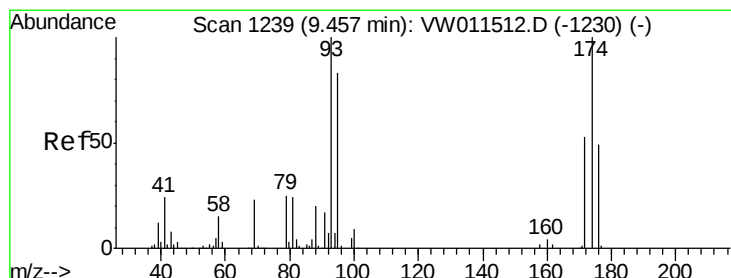
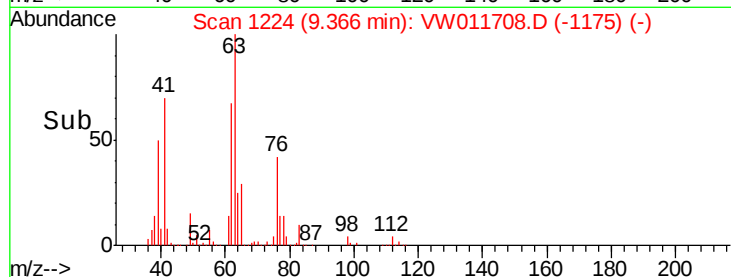
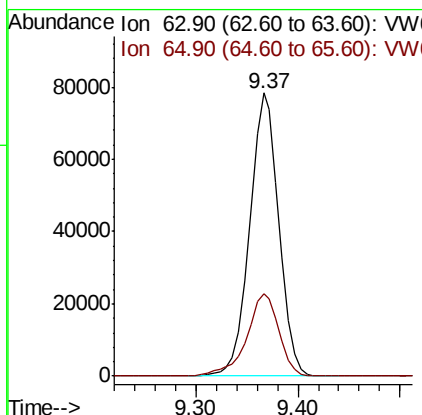
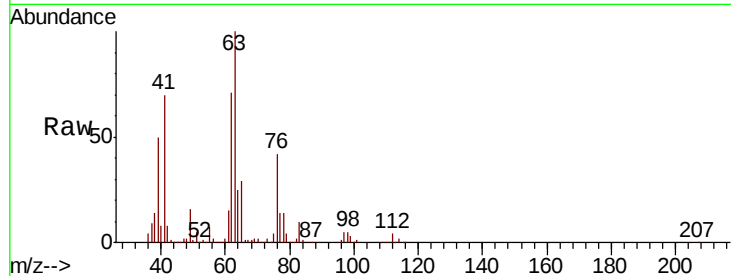




#45
 1,2-Dichloropropane
 Concen: 52.228 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

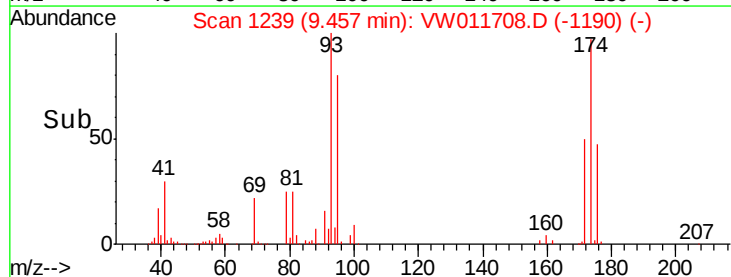
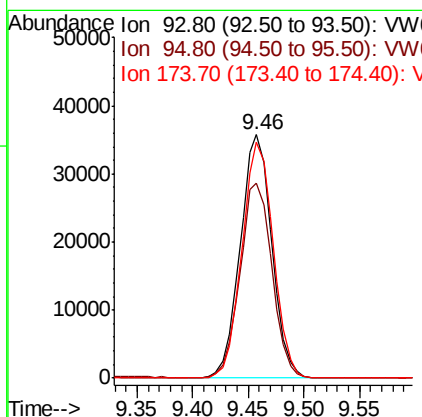
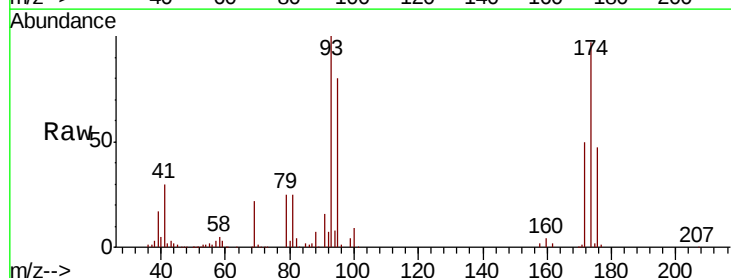
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

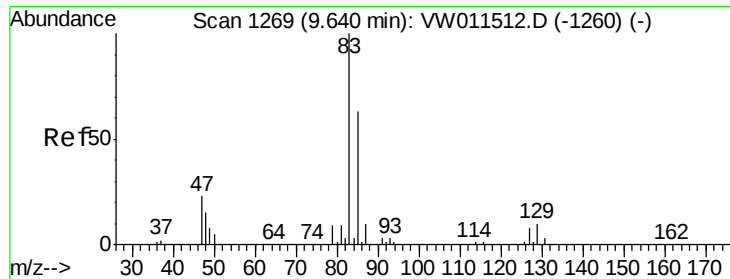
Tot Ion: 63 Resp: 15523
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.2 36.4



#46
 Dibromomethane
 Concen: 51.767 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 93 Resp: 70357
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.2 99.2
 174 96.2 78.2 117.4

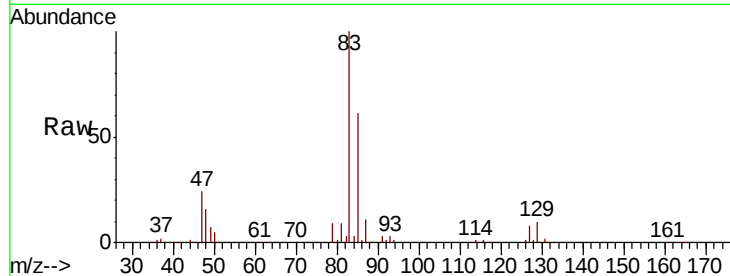




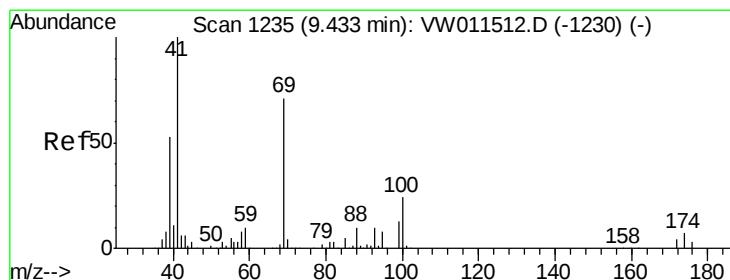
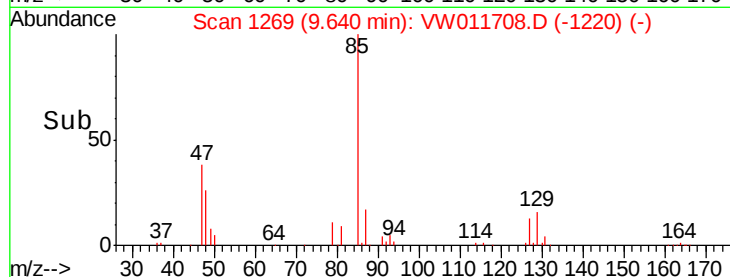
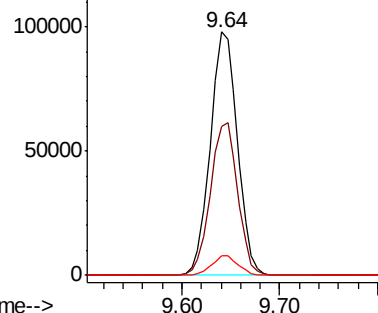
#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 188572
Ion Ratio Lower Upper
83 100
85 61.1 50.5 75.7
127 7.8 6.4 9.6

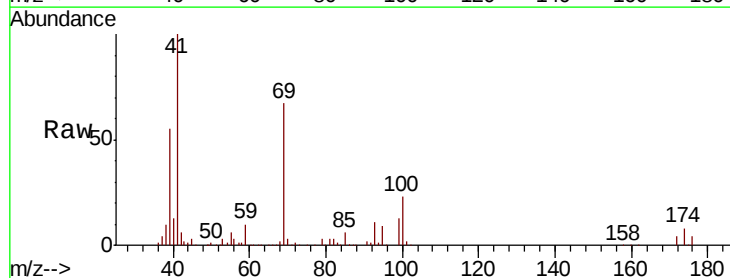


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

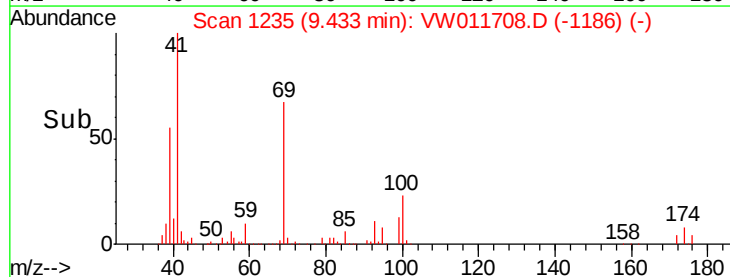
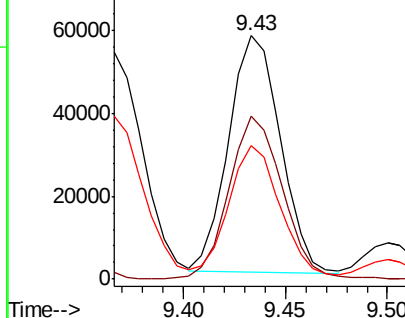


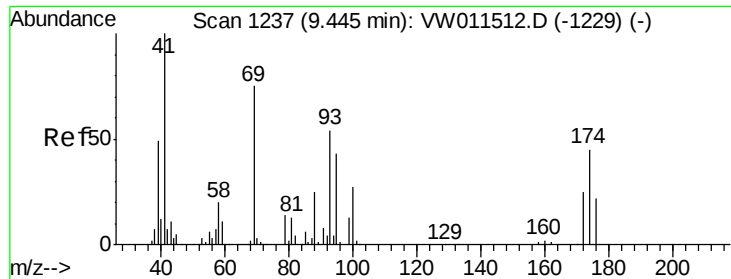
#48
Methyl methacrylate
Concen: 49.975 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 41 Resp: 100920
Ion Ratio Lower Upper
41 100
69 70.9 57.1 85.7
39 52.8 45.4 68.2



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





#49

1,4-Dioxane

Concen: 906.034 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.04 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

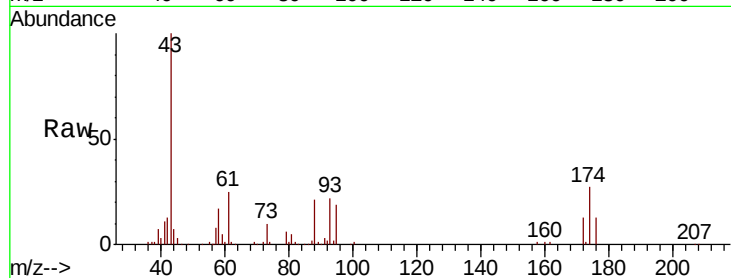
Tot Ion: 88 Resp: 17830

Ion Ratio Lower Upper

88 100

43 920.8 34.0 51.0#

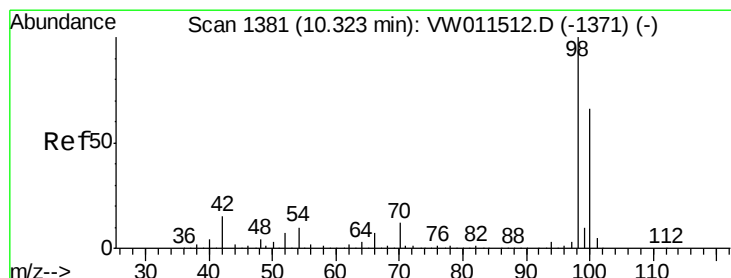
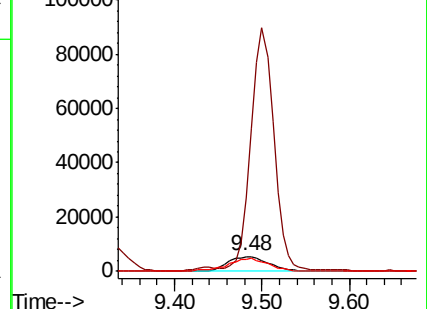
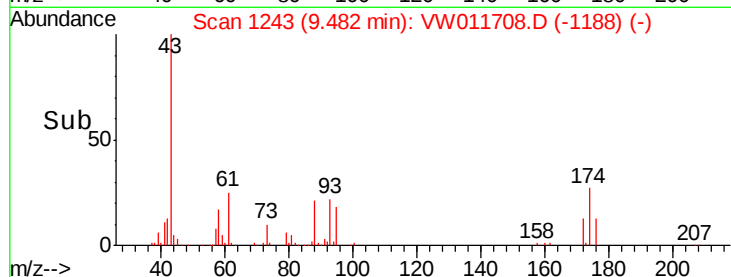
58 88.0 69.7 104.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.935 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011708.D

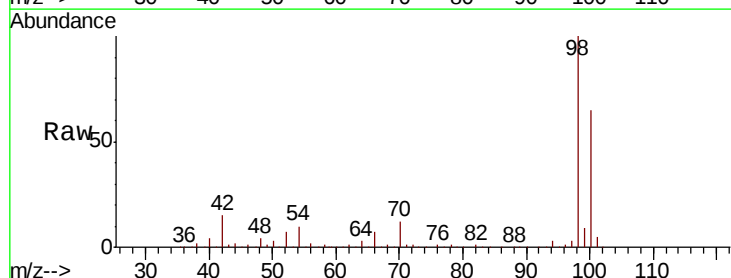
Acq: 05 Aug 2019 14:27

Tgt Ion: 98 Resp: 464606

Ion Ratio Lower Upper

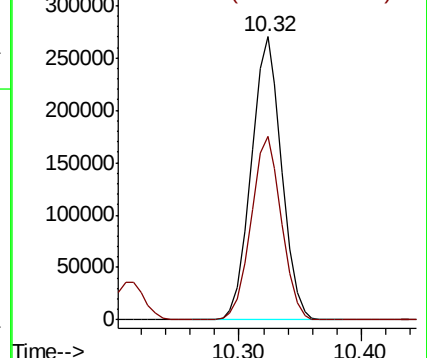
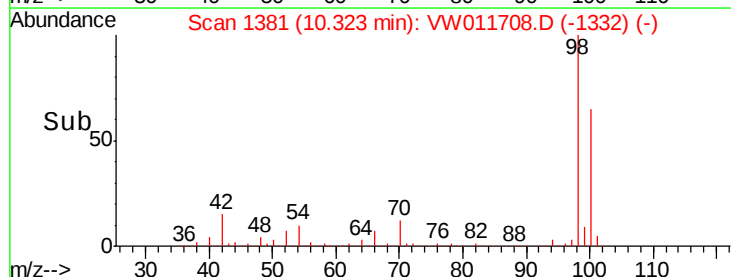
98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 244.272 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

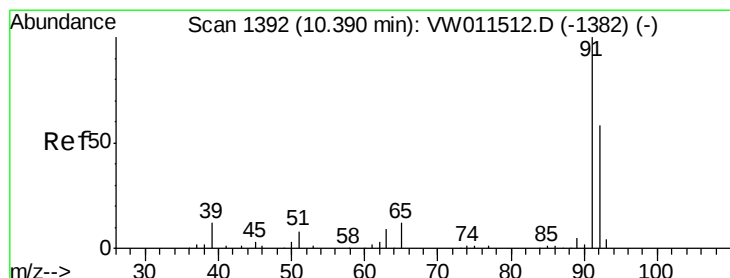
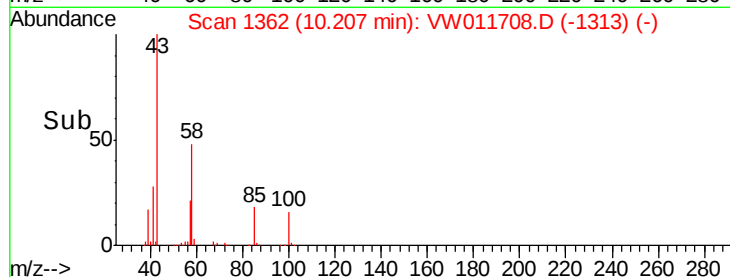
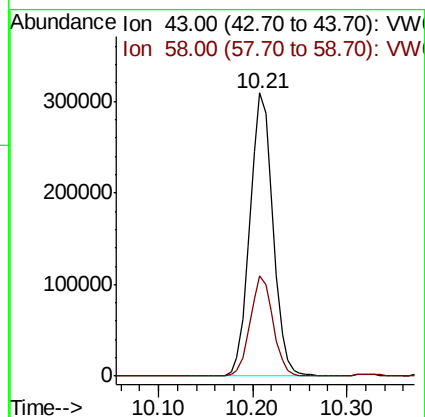
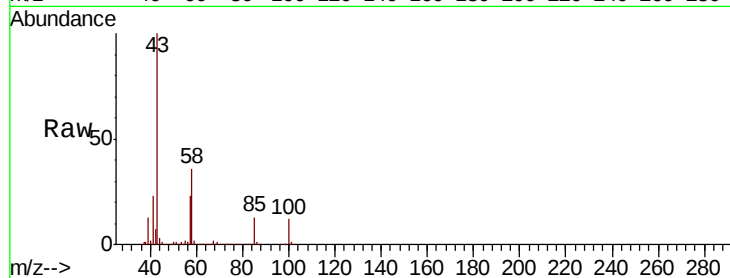
VSTDCCC050

Tot Ion: 43 Resp: 534140

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 53.559 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011708.D

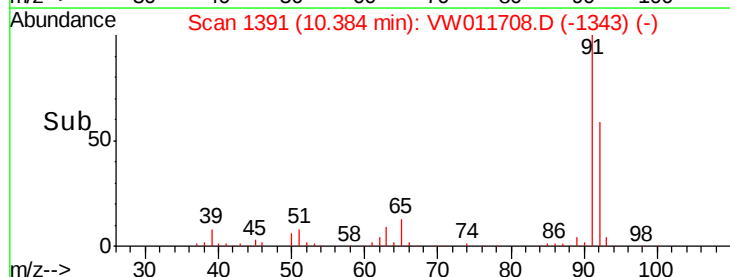
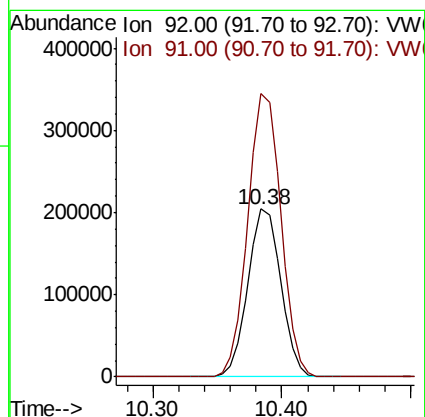
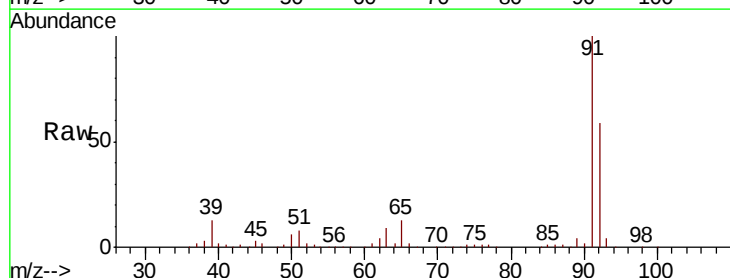
Acq: 05 Aug 2019 14:27

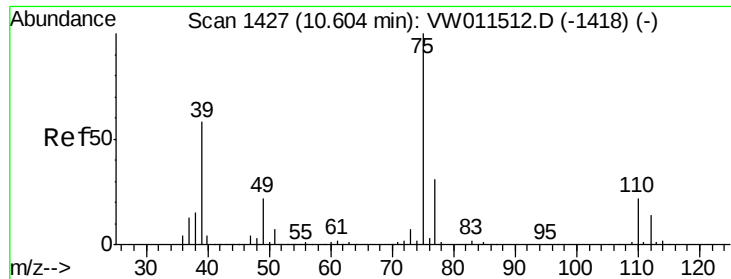
Tgt Ion: 92 Resp: 359960

Ion Ratio Lower Upper

92 100

91 170.4 136.7 205.1

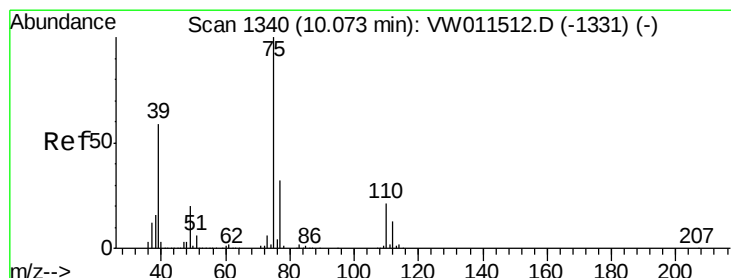
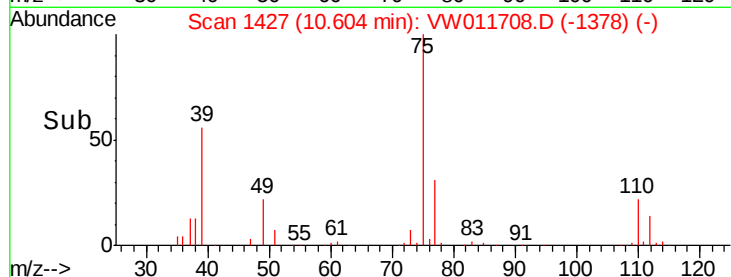
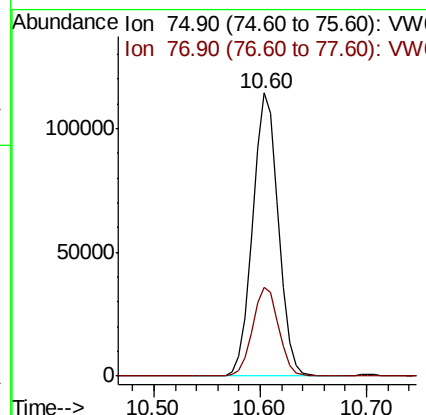
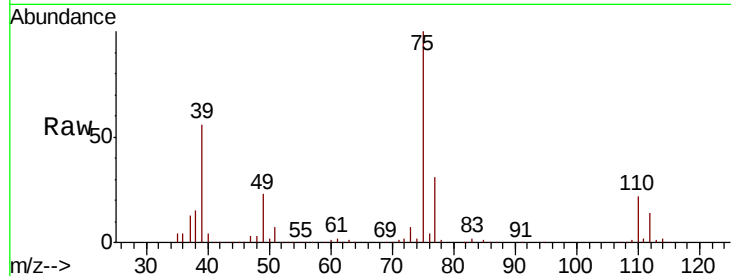




#53
t-1,3-Dichloropropene
Concen: 51.996 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

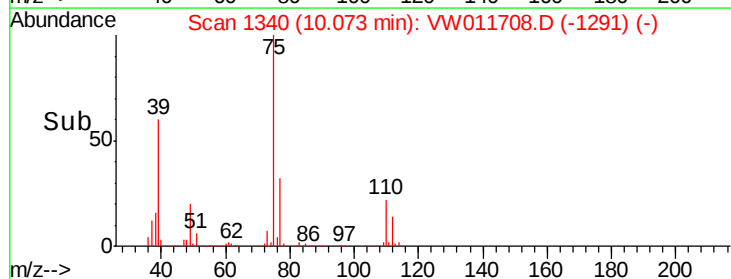
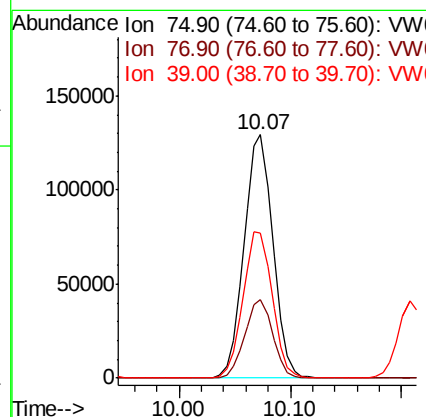
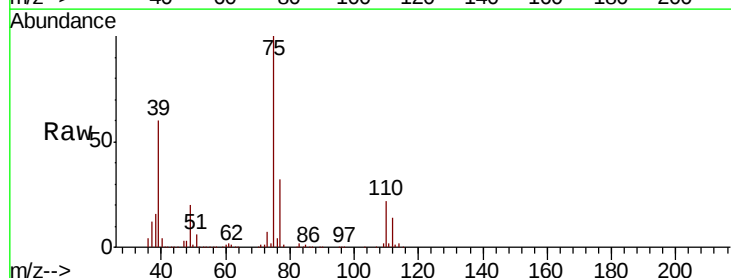
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

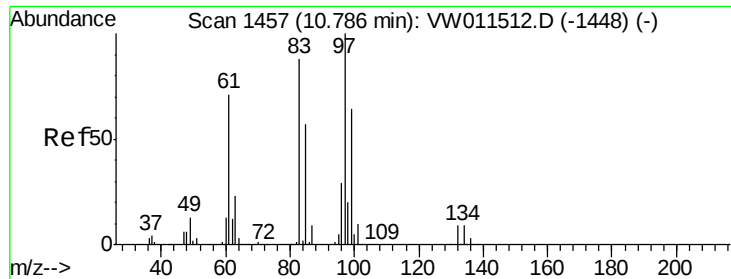
Tot Ion: 75 Resp: 193643
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 52.487 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 75 Resp: 232417
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 59.7 47.0 70.4

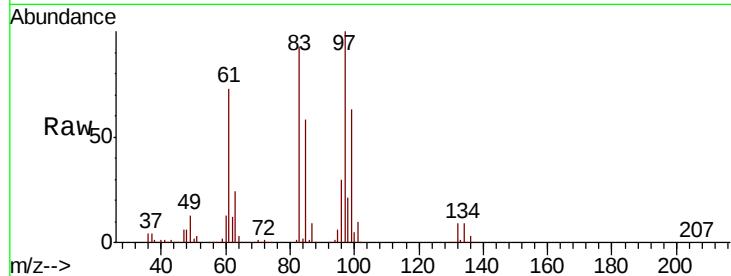




#55
 1,1,2-Trichloroethane
 Concen: 50.868 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	98093
Ion	Ratio	Lower	Upper
97	100		
83	92.6	70.5	105.7
85	58.5	45.8	68.6
99	63.4	51.0	76.4



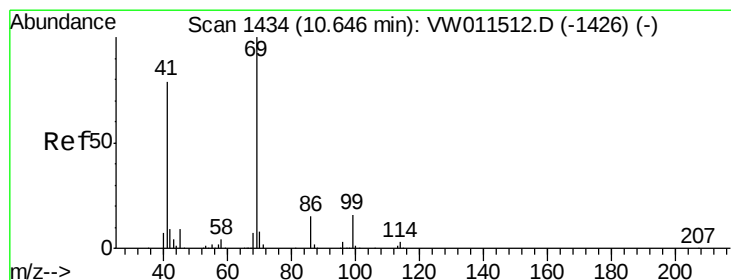
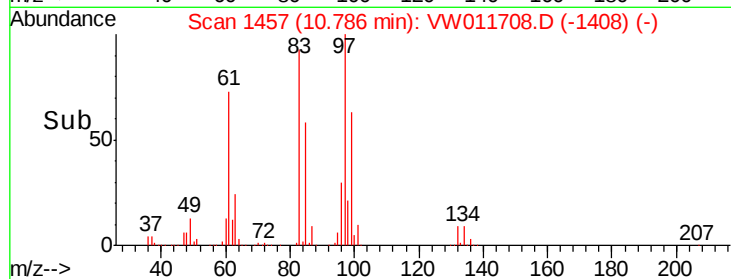
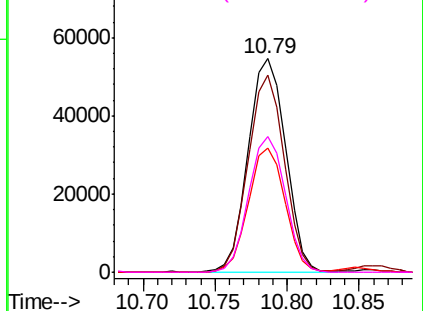
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

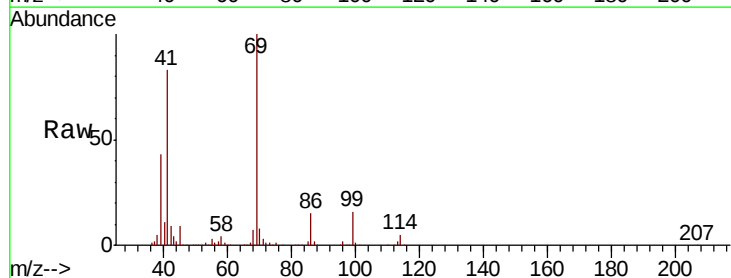
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 51.505 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion:	69	Resp:	145340
Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.6	99.8
39	38.3	30.3	45.5

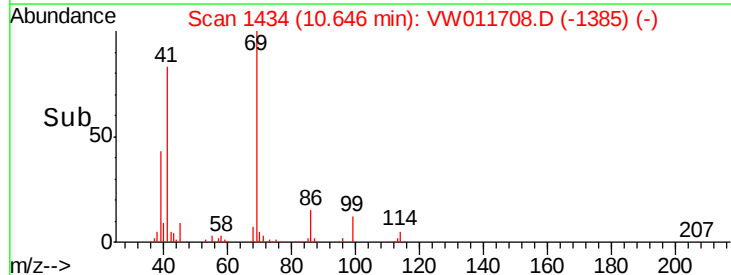
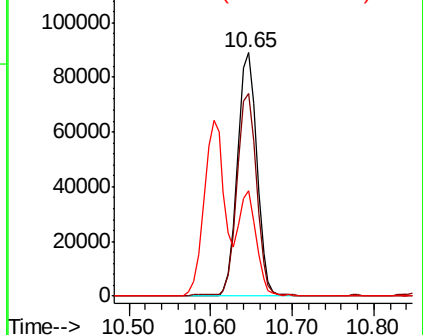


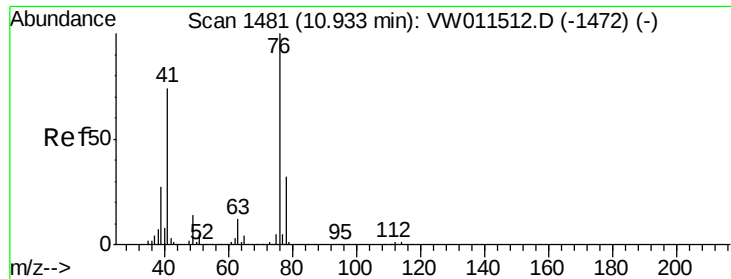
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

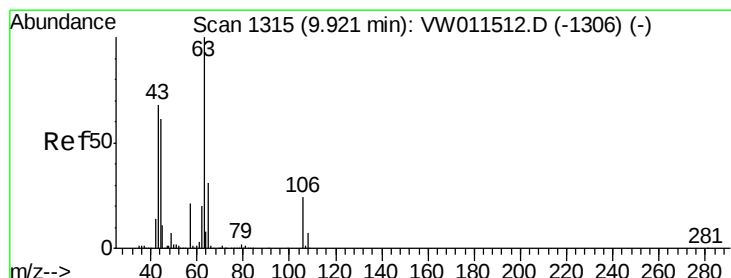
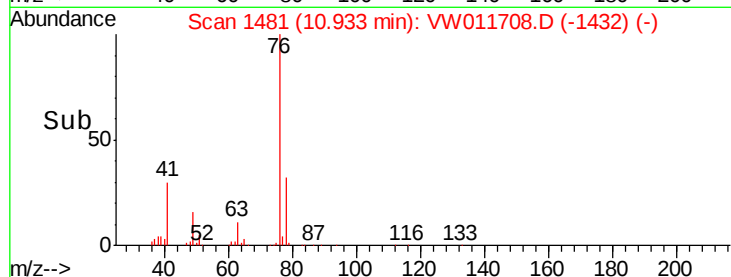
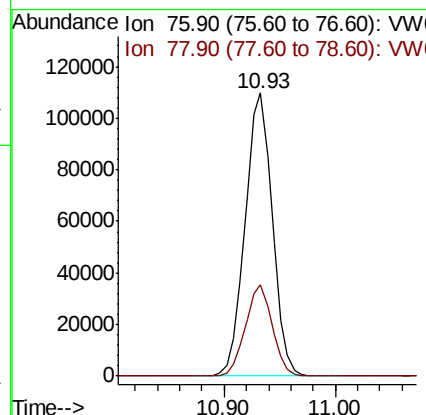
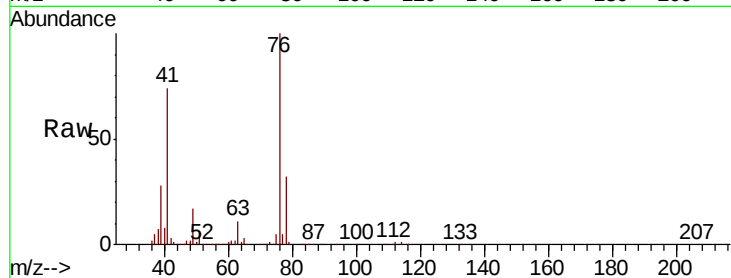




#57
 1,3-Dichloropropane
 Concen: 50.952 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

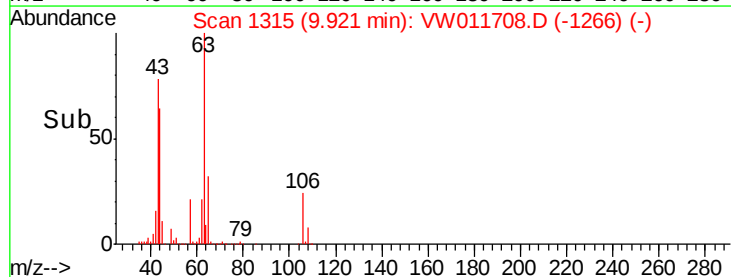
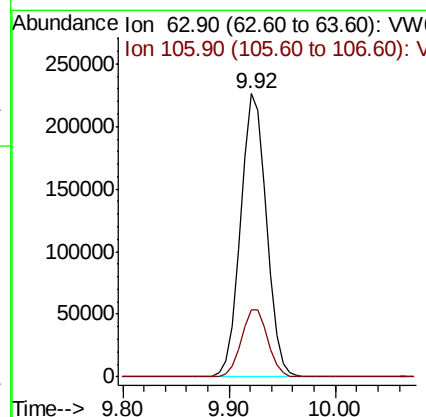
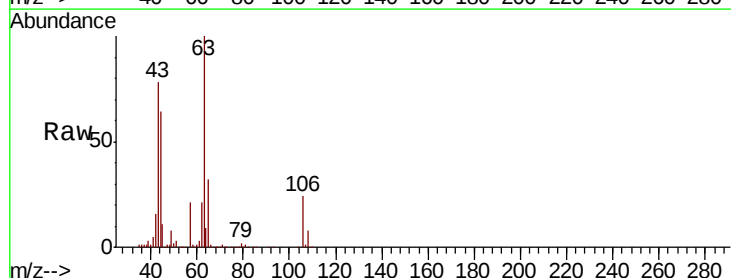
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 185888
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 302.281 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 63 Resp: 387292
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

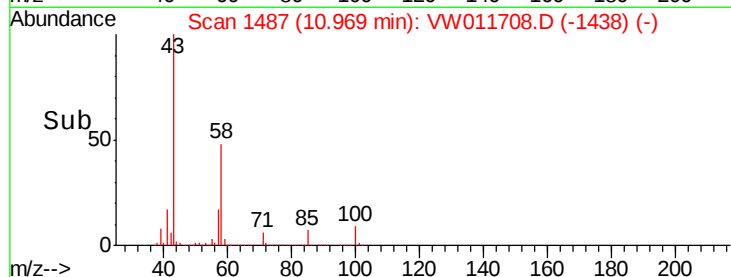
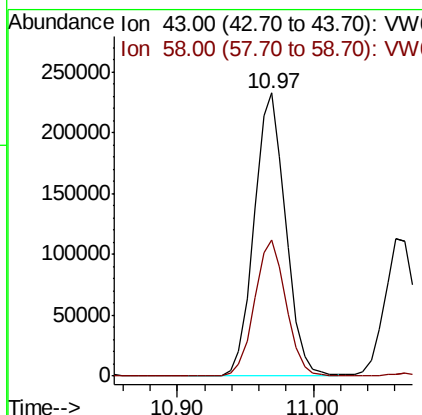
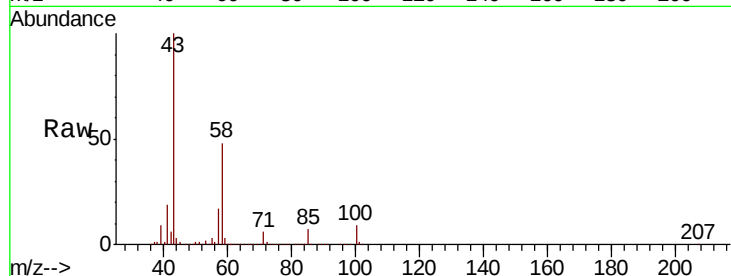




#59
2-Hexanone
Concen: 245.082 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

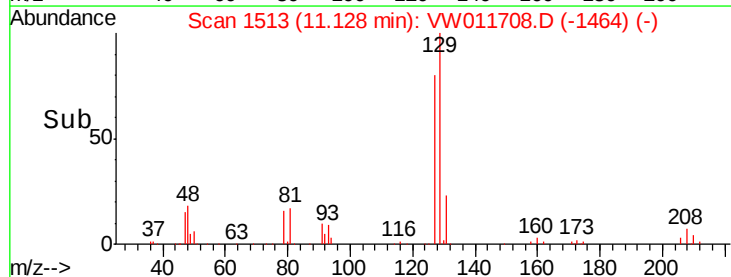
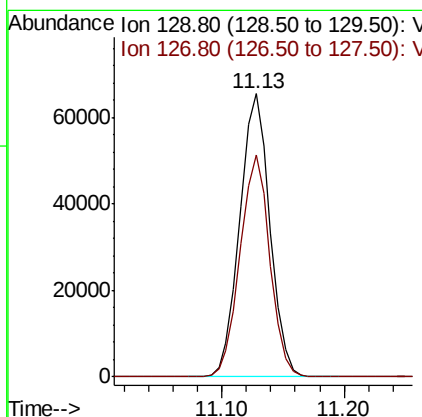
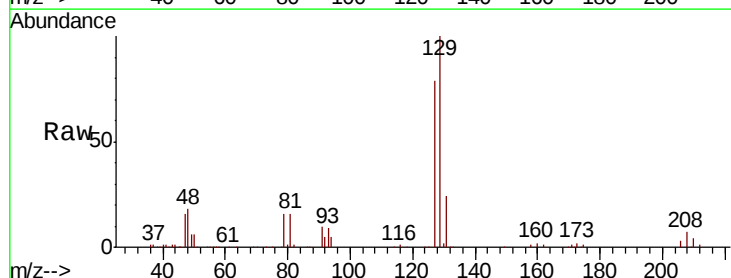
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

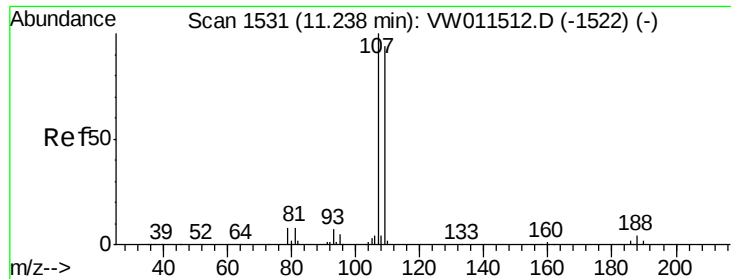
Tot Ion: 43 Resp: 378389
Ion Ratio Lower Upper
43 100
58 48.3 24.3 72.9



#60
Dibromochloromethane
Concen: 52.339 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 129 Resp: 112035
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7

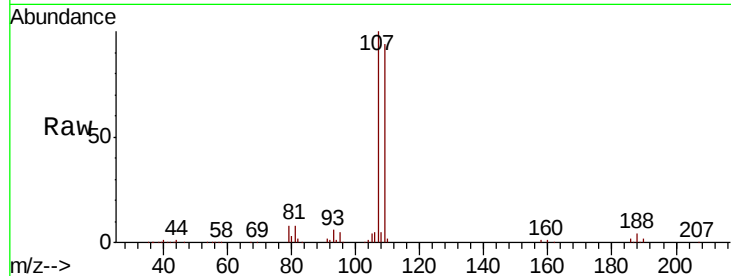




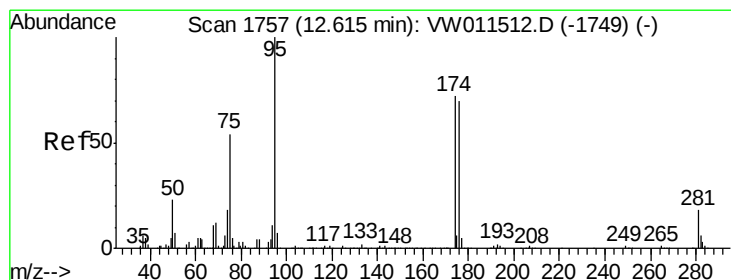
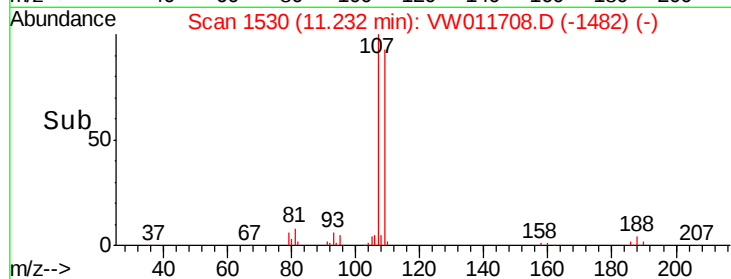
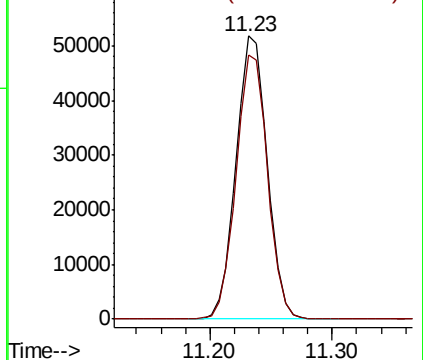
#61
 1,2-Dibromoethane
 Concen: 50.139 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 91499
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6

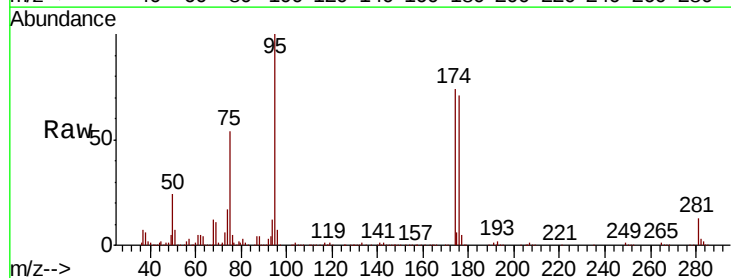


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

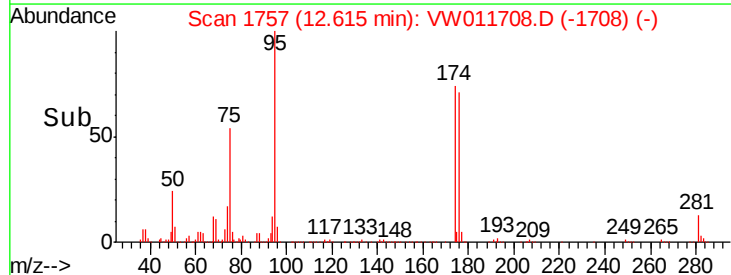
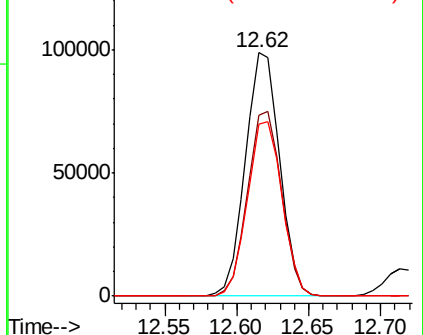


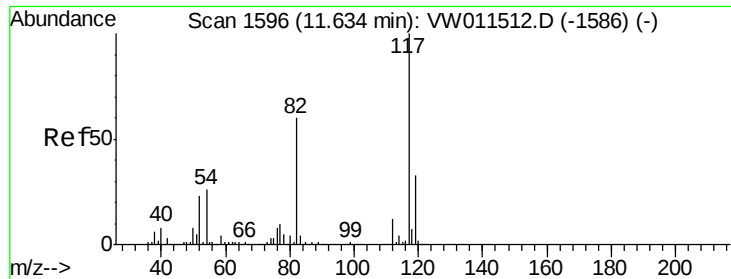
#62
 4-Bromofluorobenzene
 Concen: 52.006 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 95 Resp: 162733
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.2
 176 72.4 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

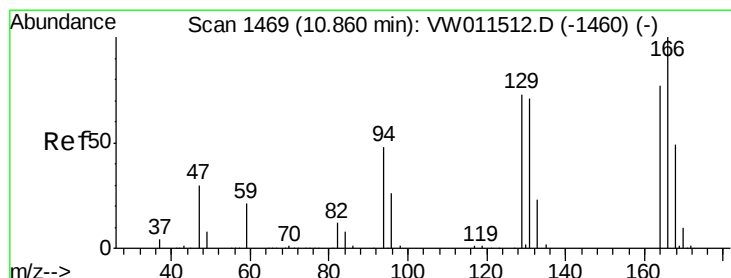
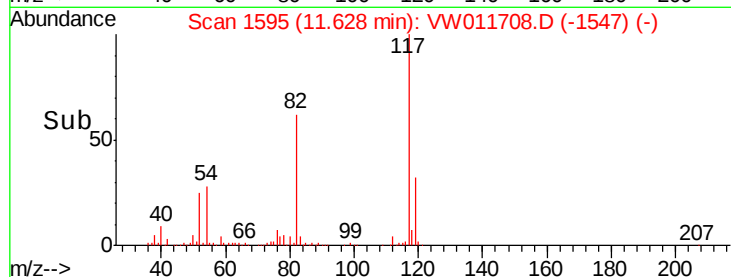
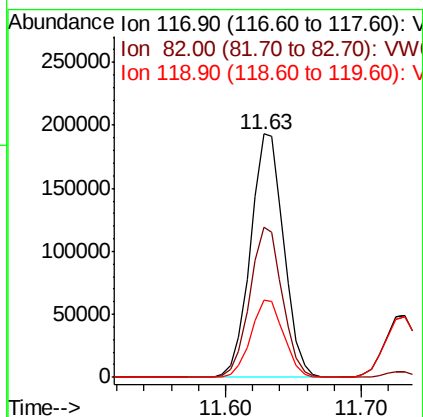
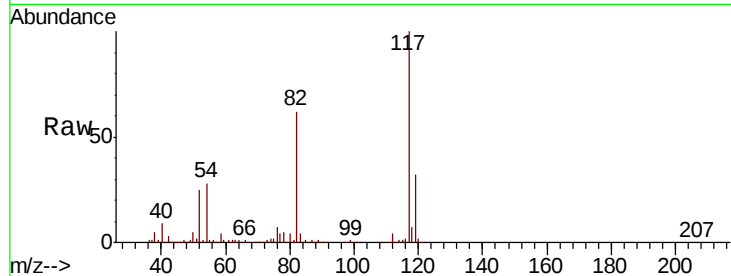




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

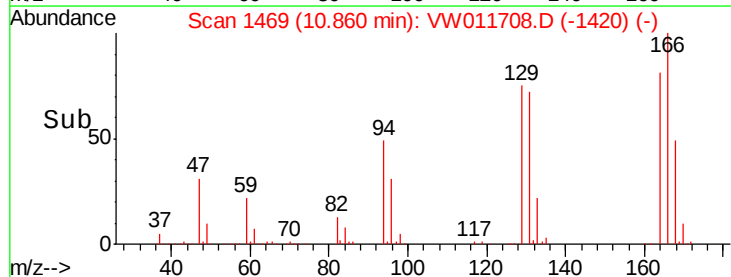
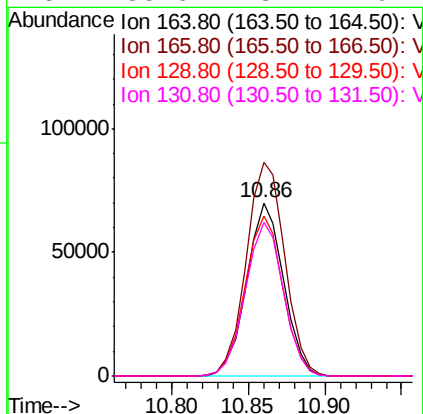
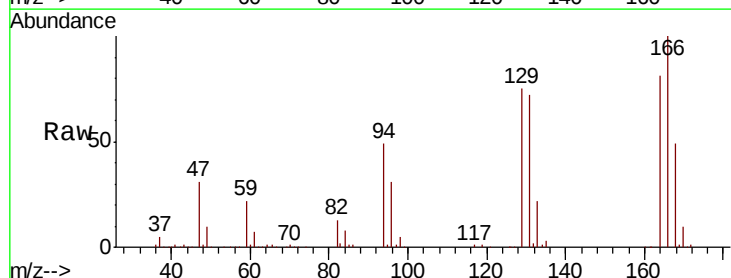
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 330034
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 31.8 26.2 39.2



#64
Tetrachloroethene
Concen: 54.659 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion:164 Resp: 117455
Ion Ratio Lower Upper
164 100
166 123.5 103.5 155.3
129 92.9 75.2 112.8
131 88.6 73.4 110.2

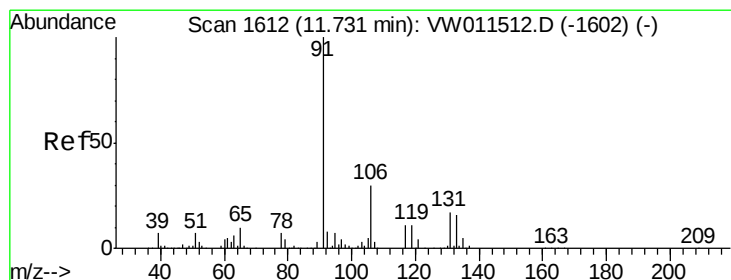
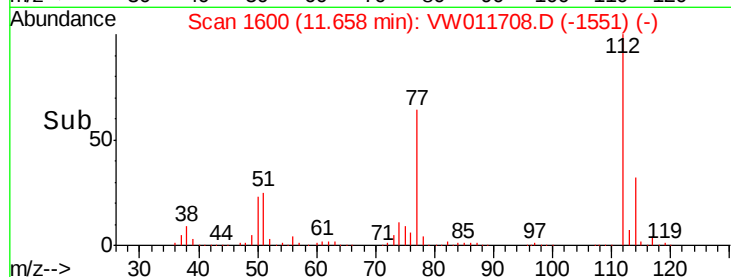
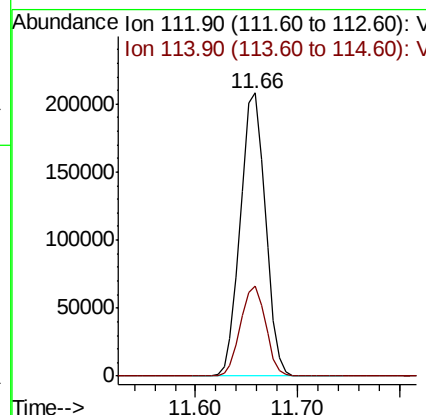
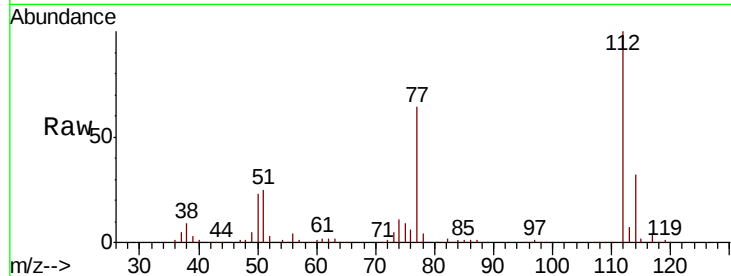




#65
Chlorobenzene
Concen: 53.262 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

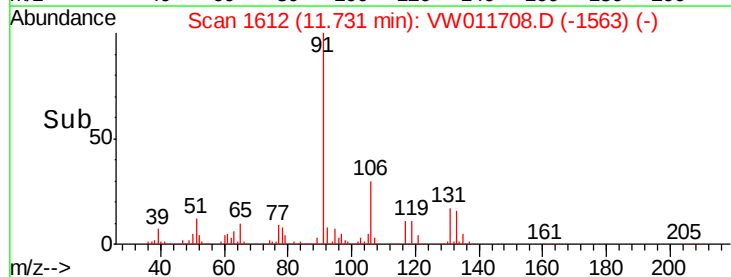
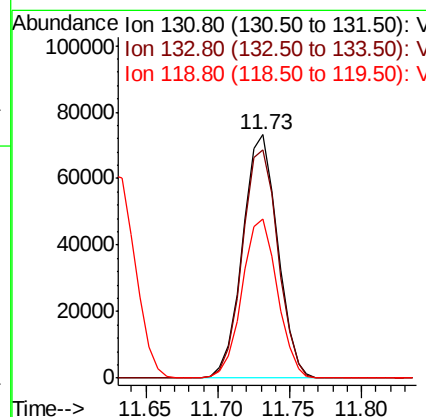
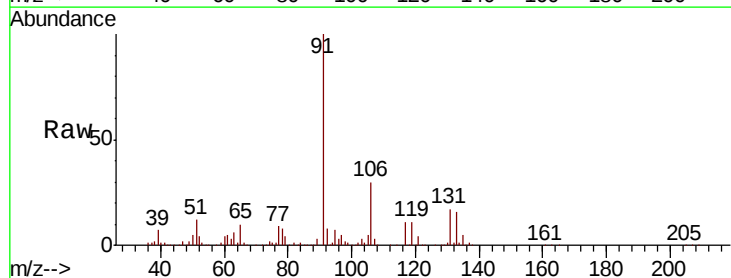
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

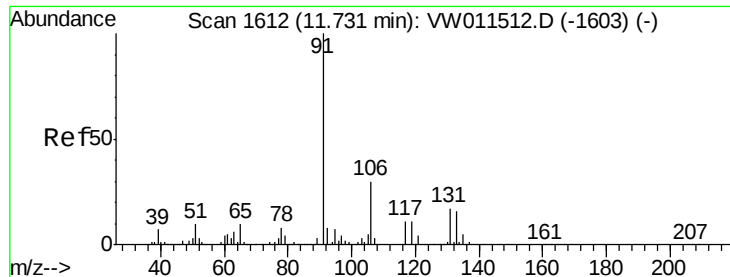
Tot Ion:112 Resp: 353403
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.466 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion:131 Resp: 123572
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 65.6 32.3 96.9

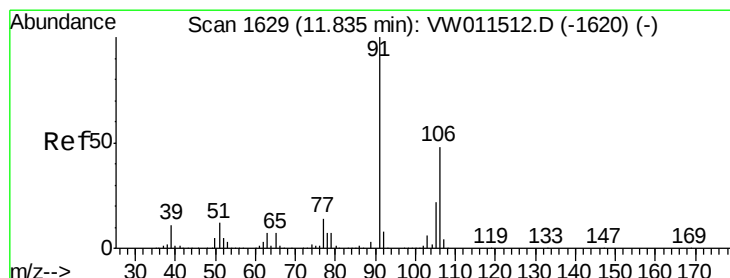
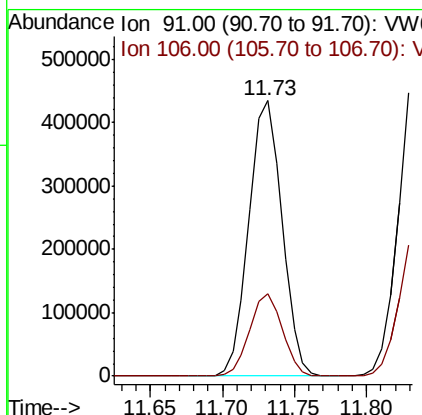
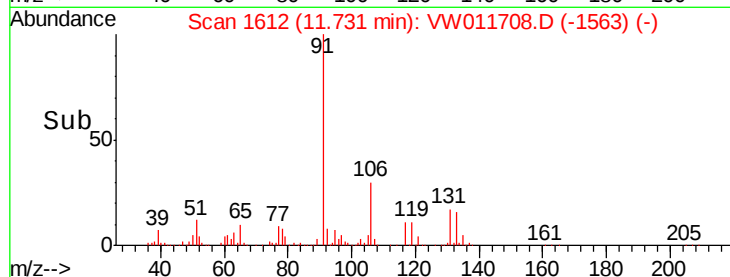
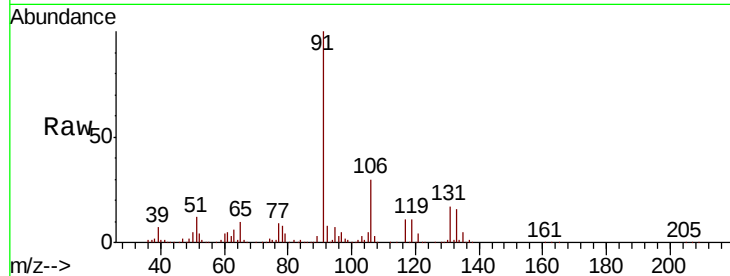




#67
Ethyl Benzene
Concen: 54.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

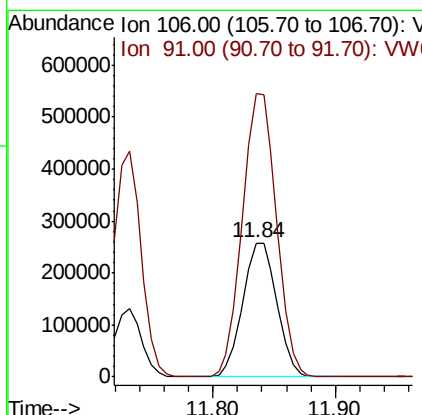
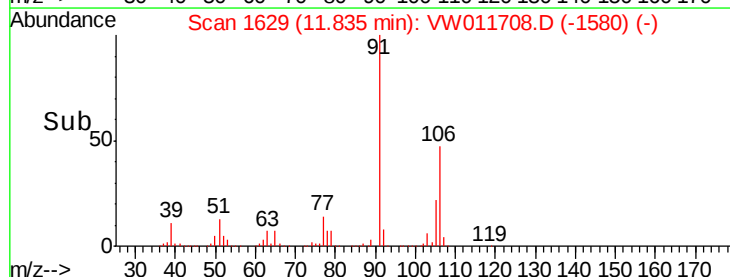
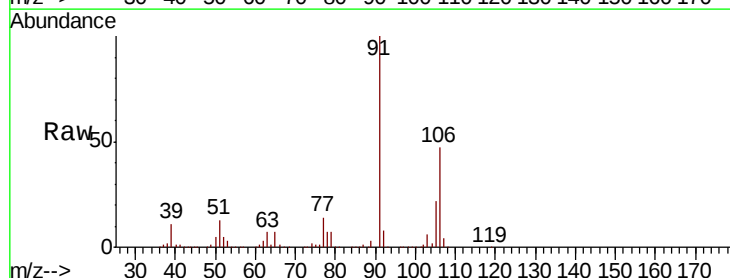
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

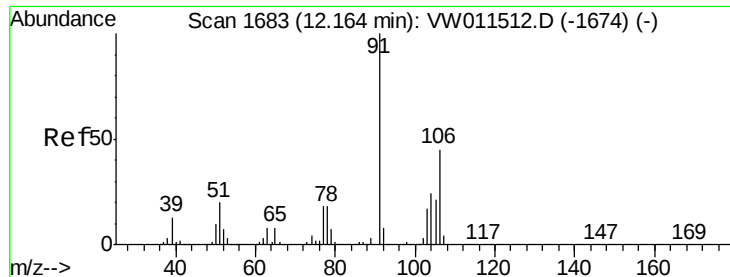
Tot Ion: 91 Resp: 694088
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 108.604 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion: 106 Resp: 499113
Ion Ratio Lower Upper
106 100
91 211.9 168.2 252.2

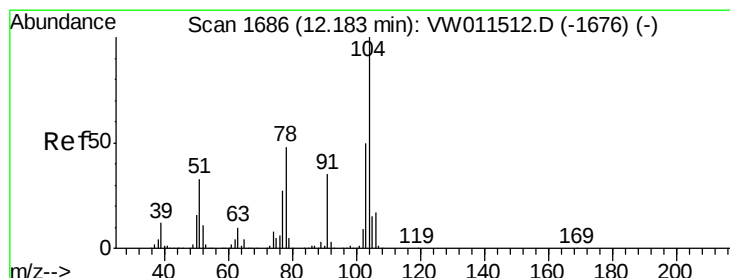
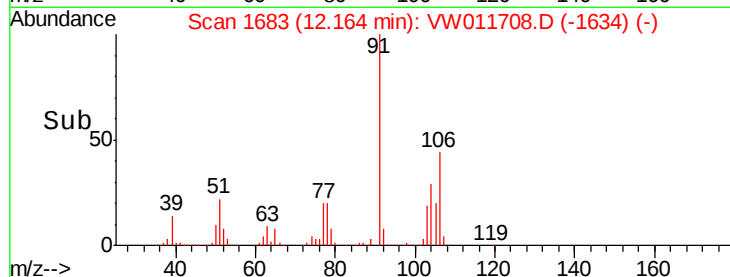
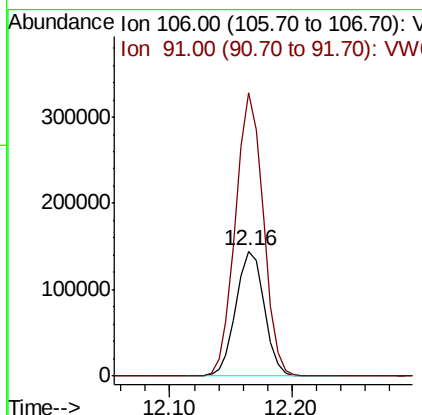
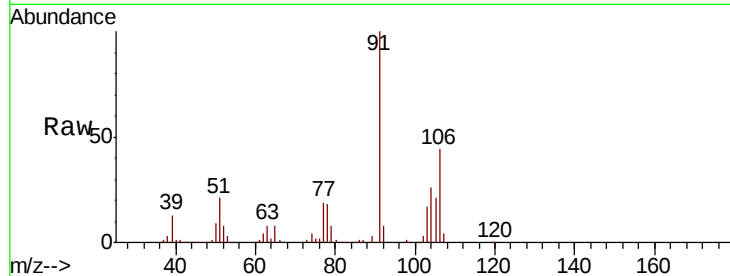




#69
o-Xylene
Concen: 54.282 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

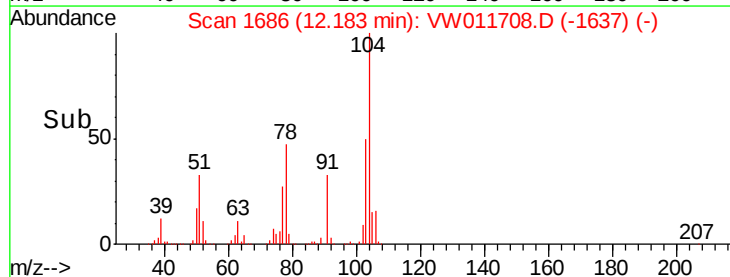
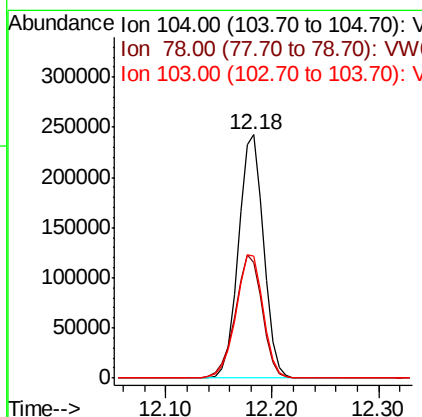
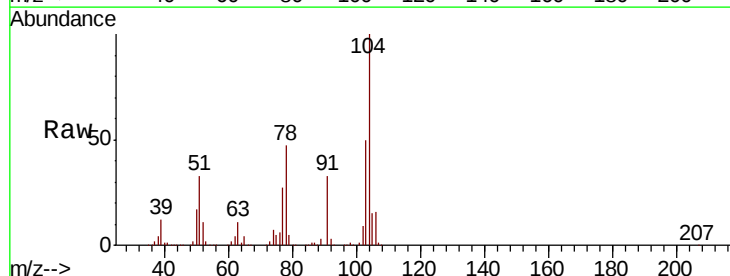
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

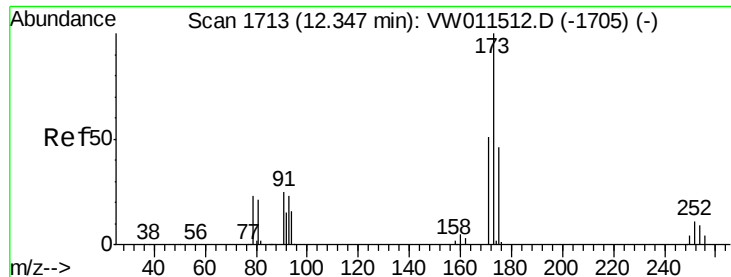
Tot Ion:106 Resp: 231820
Ion Ratio Lower Upper
106 100
91 222.5 110.5 331.5



#70
Styrene
Concen: 54.330 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion:104 Resp: 401171
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.0
103 54.9 43.9 65.9

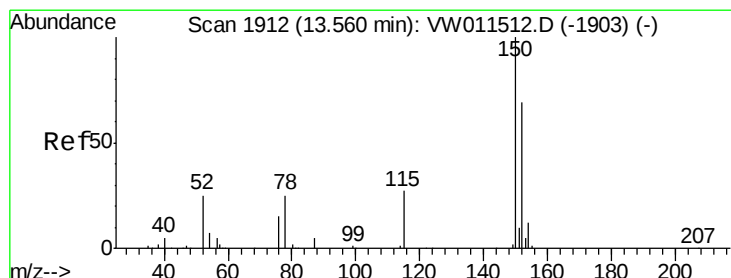
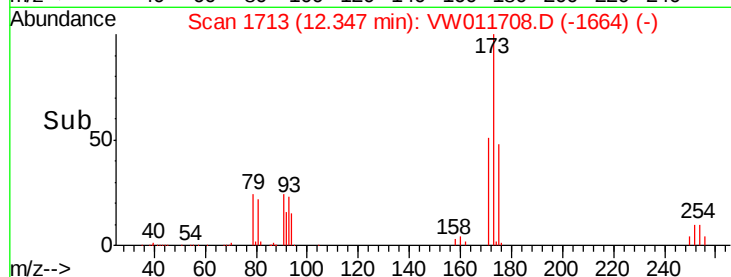
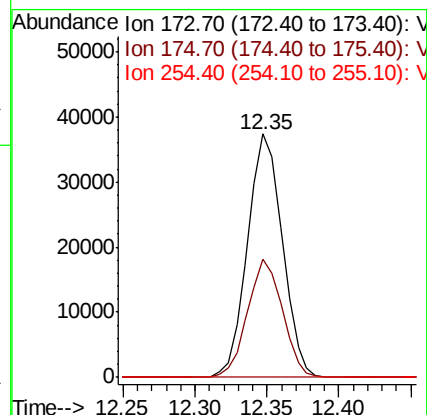
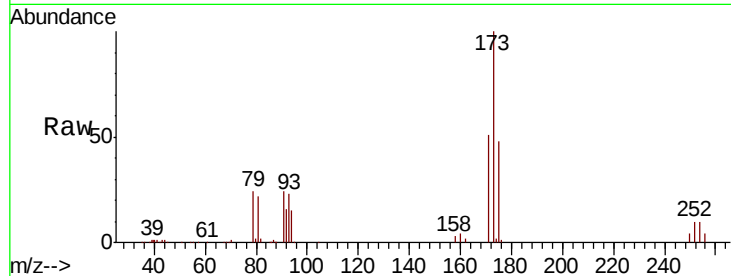




#71
Bromoform
Concen: 53.102 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

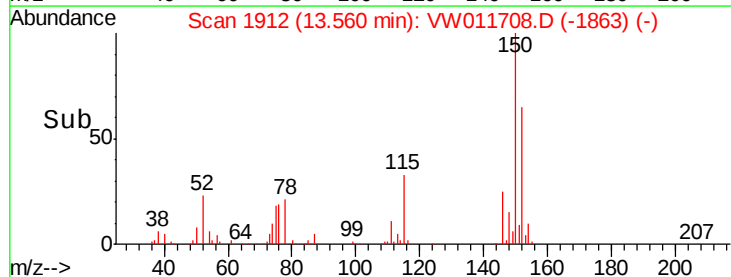
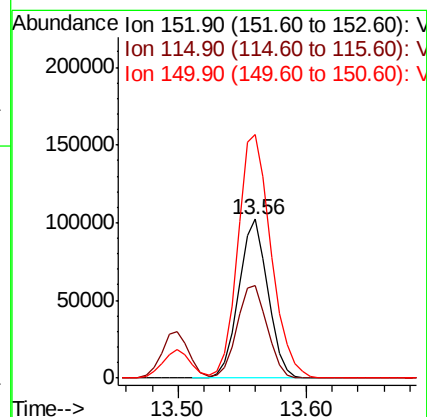
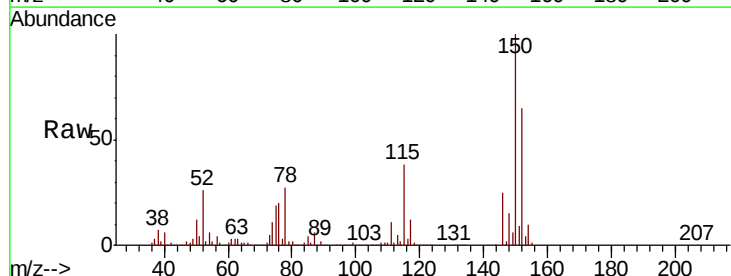
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

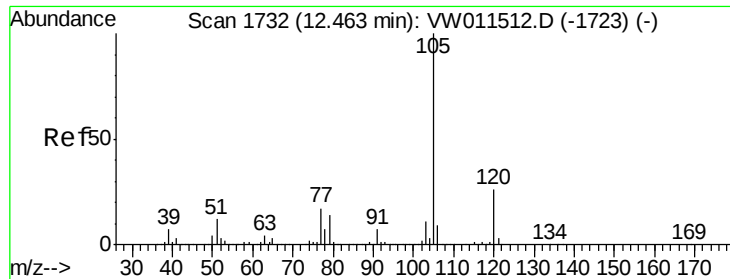
Tot Ion:173 Resp: 62576
Ion Ratio Lower Upper
173 100
175 48.5 23.6 71.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion:152 Resp: 159760
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 174.6 0.0 352.6





#73

Isopropylbenzene

Concen: 55.123 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

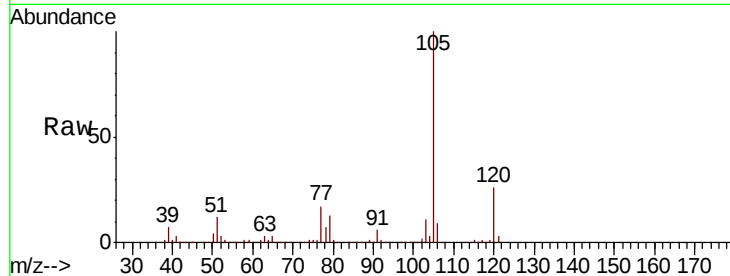
VSTDCCC050

Tot Ion:105 Resp: 656986

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

200000

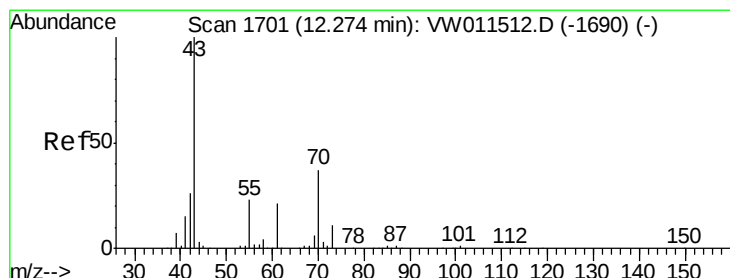
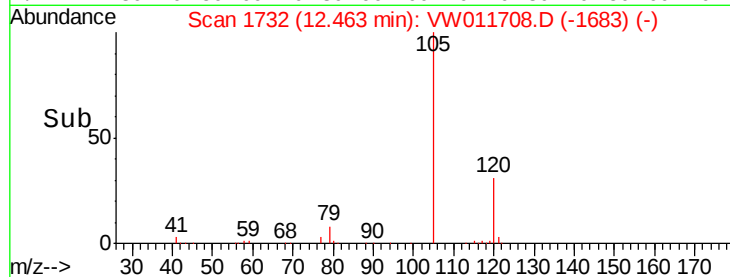
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 51.942 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Tgt Ion: 43 Resp: 193816

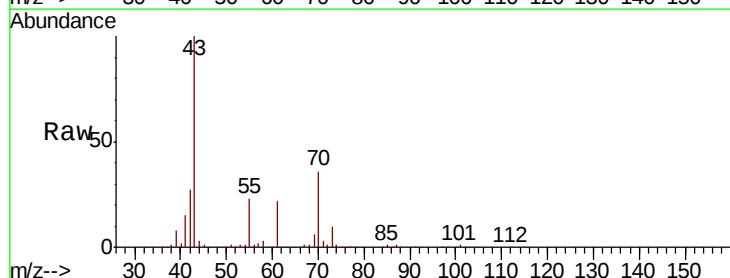
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.0 17.8 26.8

61 21.9 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

100000

50000

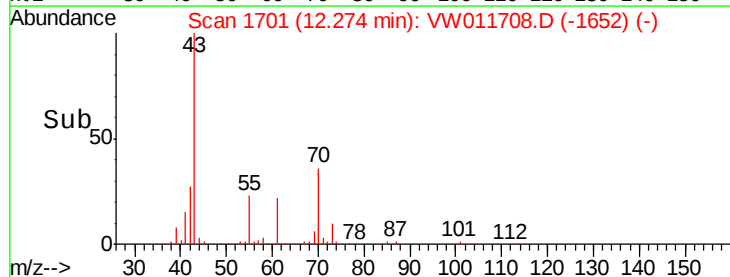
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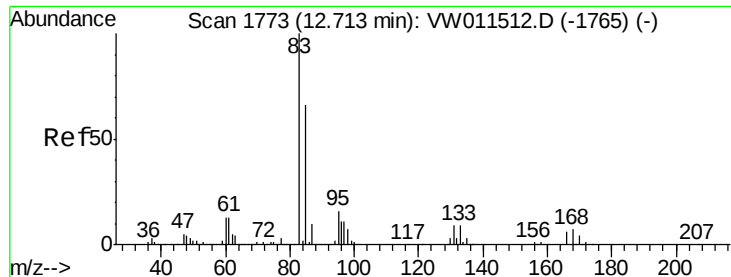
Time-->

12.20

12.30

12.40

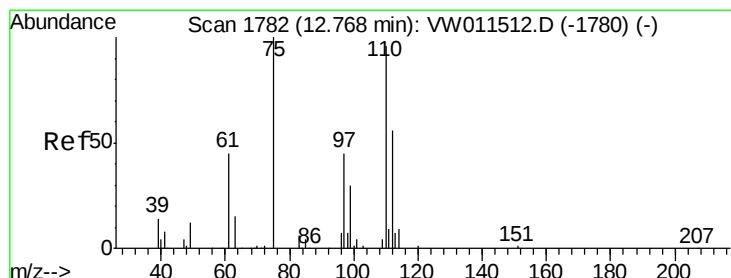
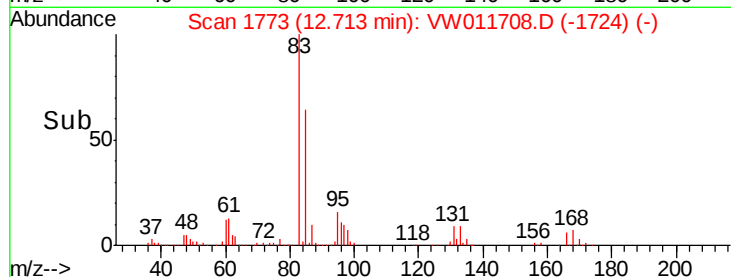
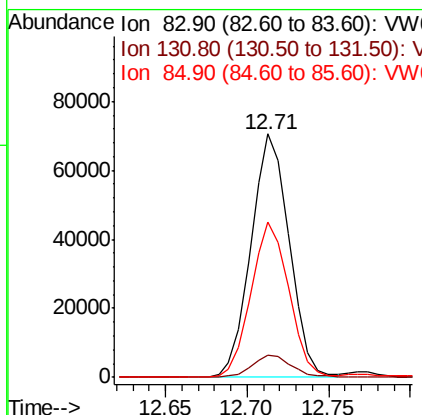
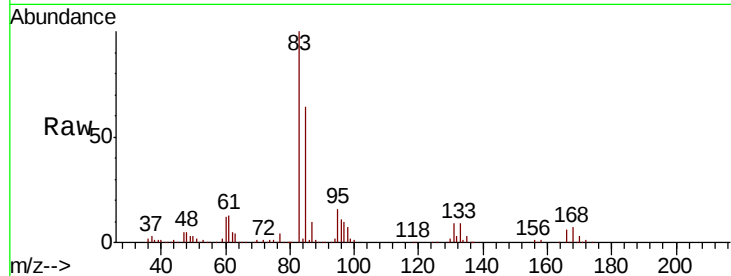




#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.499 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

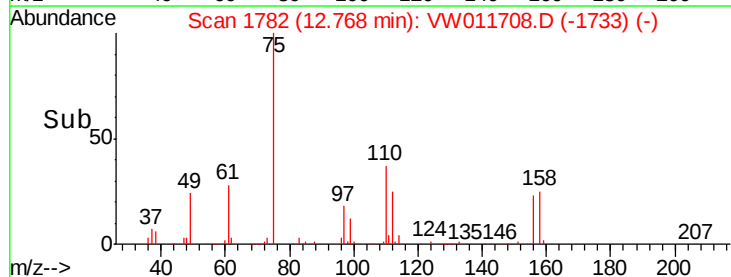
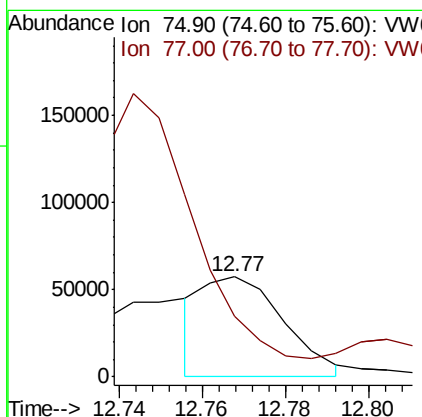
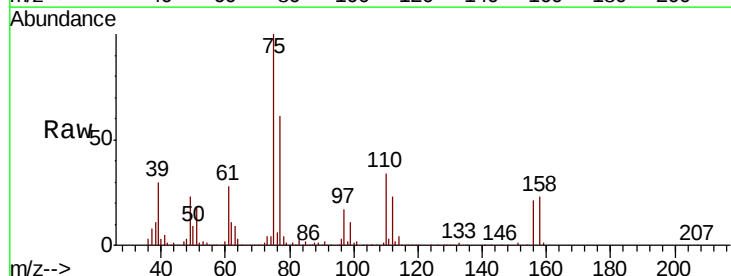
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

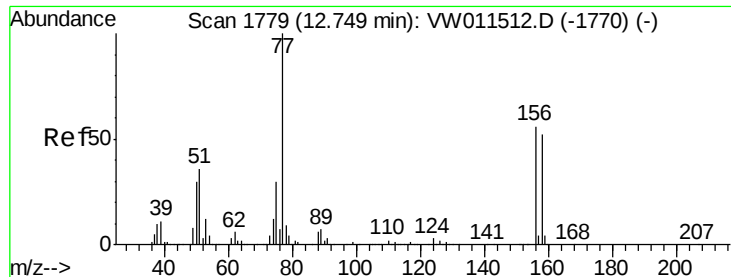
Tot Ion	83	Resp	115453
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	63.2	31.8	95.4



#76
 1,2,3-Trichloropropane
 Concen: 46.190 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion	75	Resp	78081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.101 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

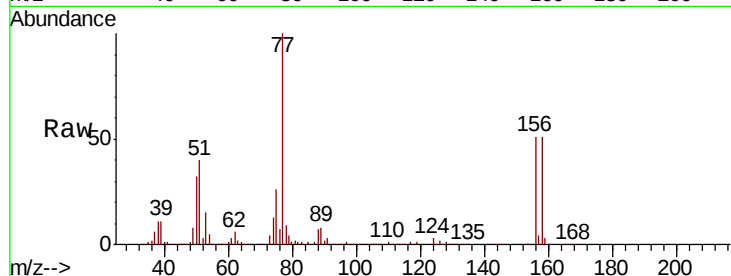
Tot Ion:156 Resp: 139887

Ion Ratio Lower Upper

156 100

77 210.9 106.5 319.4

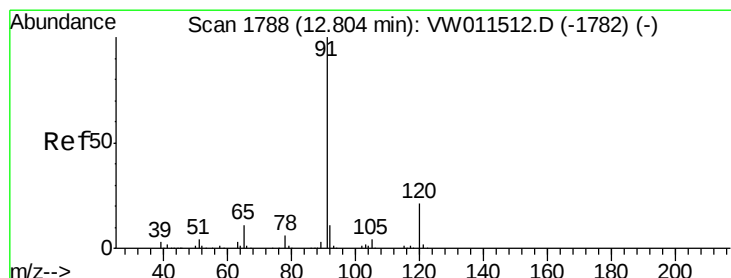
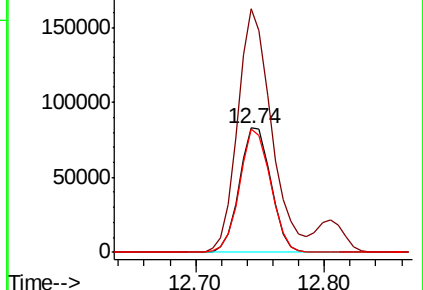
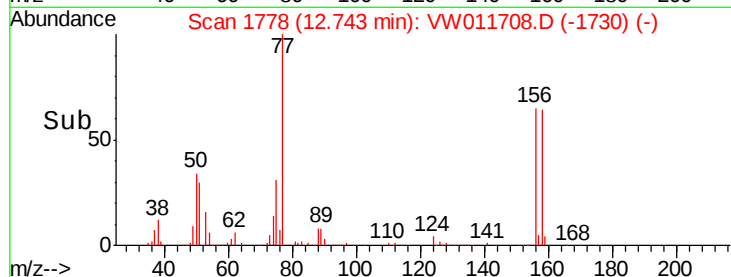
158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.412 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011708.D

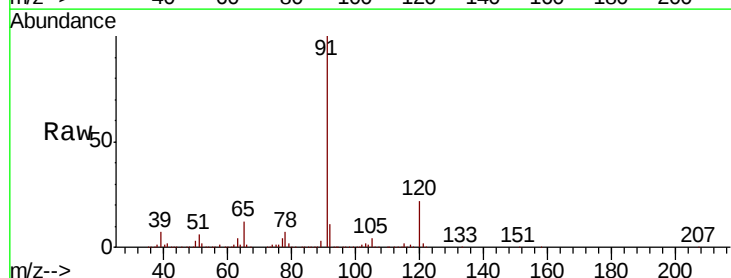
Acq: 05 Aug 2019 14:27

Tgt Ion: 91 Resp: 803746

Ion Ratio Lower Upper

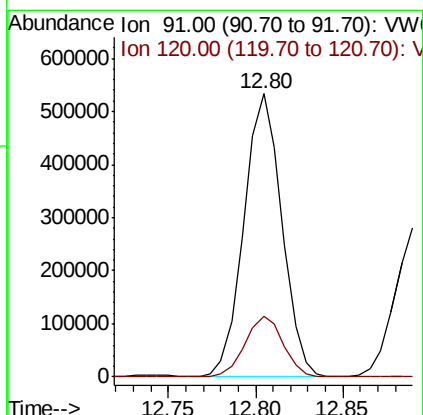
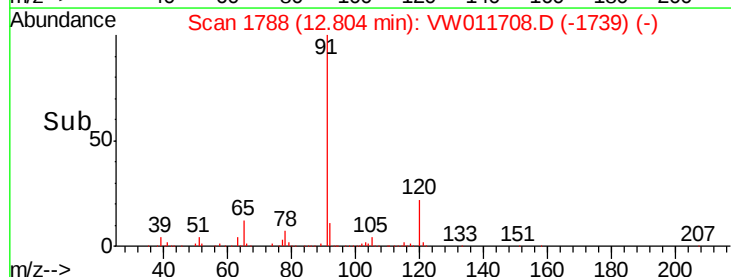
91 100

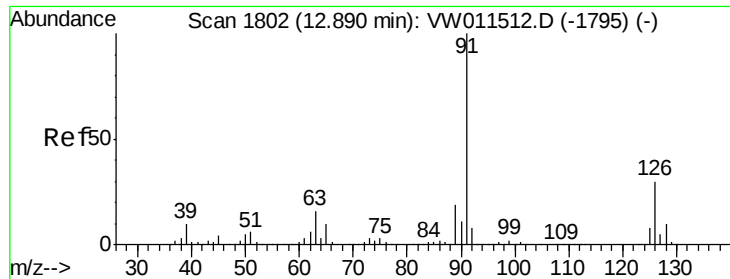
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

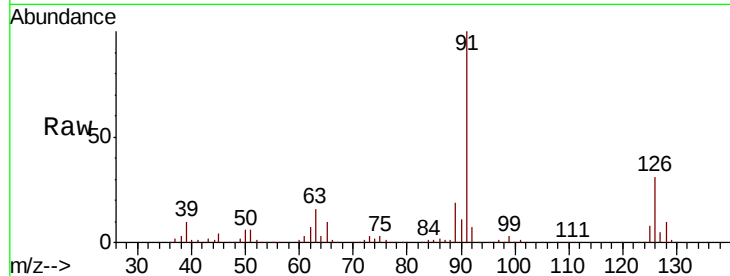




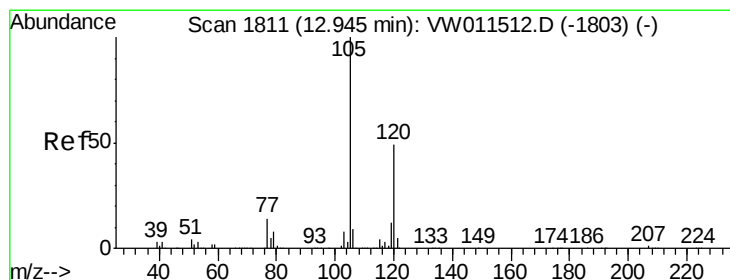
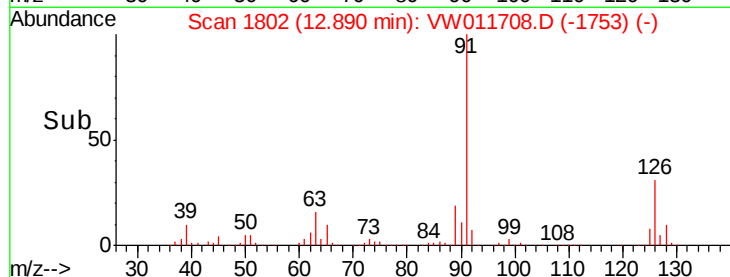
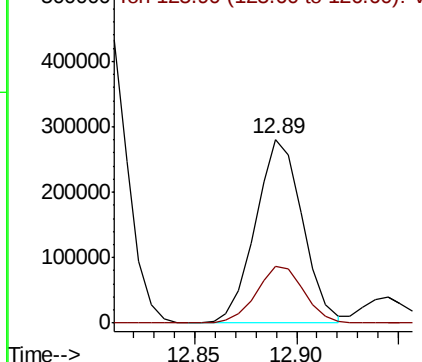
#79
 2-Chlorotoluene
 Concen: 53.857 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 450042
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

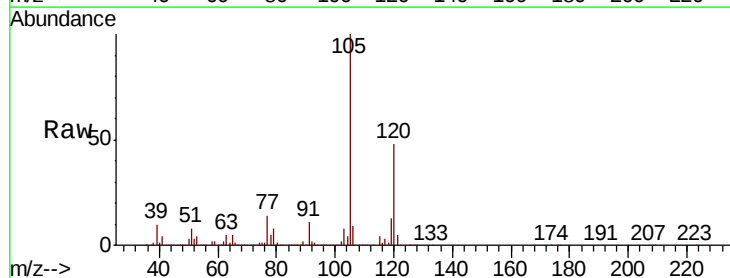


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

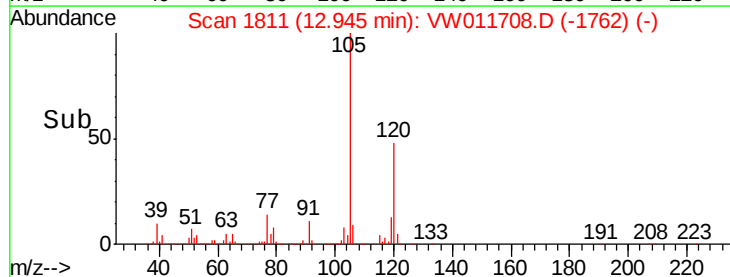
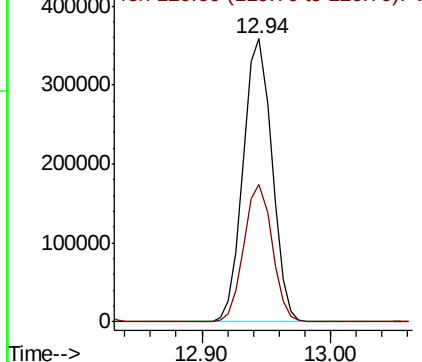


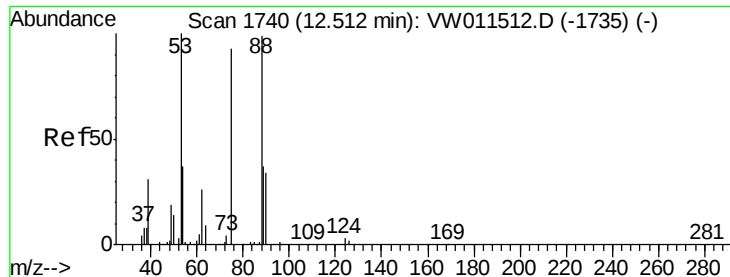
#80
 1,3,5-Trimethylbenzene
 Concen: 55.297 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion: 105 Resp: 552457
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.3



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.206 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

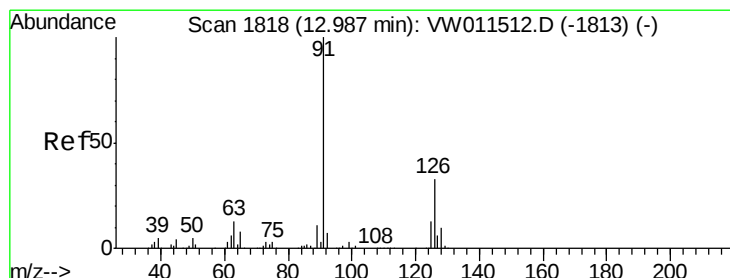
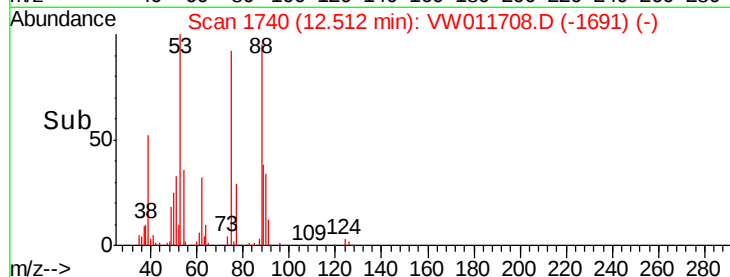
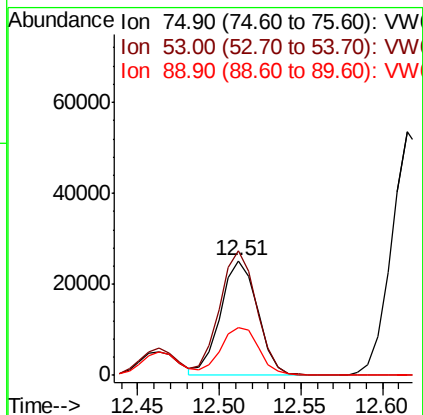
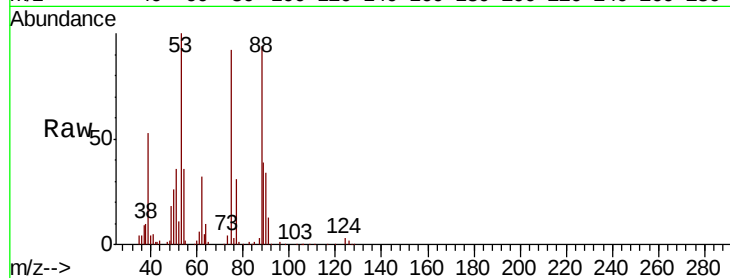
Tot Ion: 75 Resp: 39760

Ion	Ratio	Lower	Upper
75	100		
53	109.7	88.0	132.0
89	42.9	35.3	52.9

75 100

53 109.7 88.0 132.0

89 42.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 54.376 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011708.D

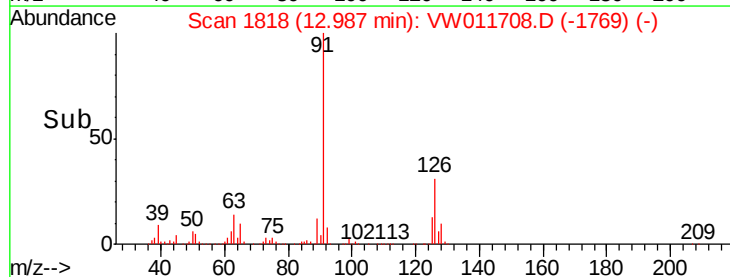
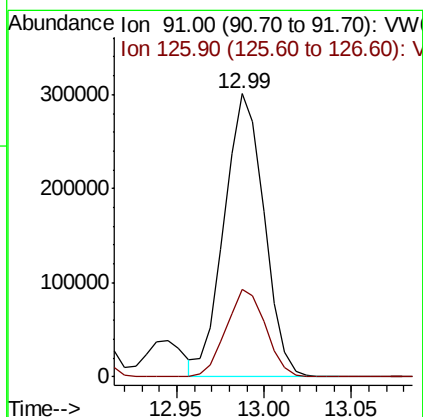
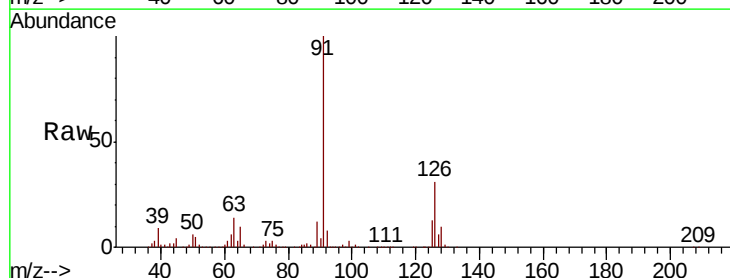
Acq: 05 Aug 2019 14:27

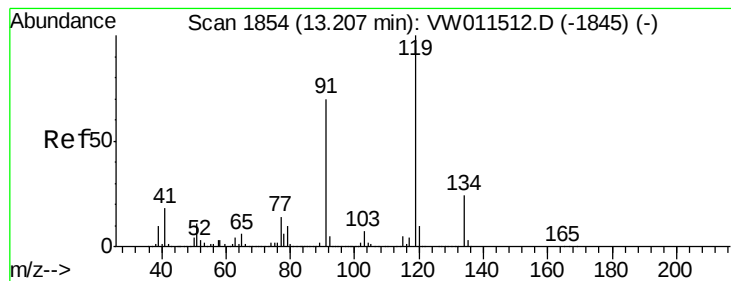
Tgt Ion: 91 Resp: 476741

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8

91 100

126 30.8 15.6 46.8





#83

tert-Butylbenzene

Concen: 56.084 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

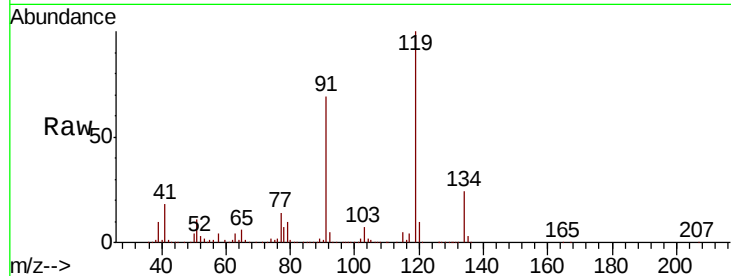
Tot Ion:119 Resp: 468565

Ion Ratio Lower Upper

119 100

91 68.4 34.5 103.6

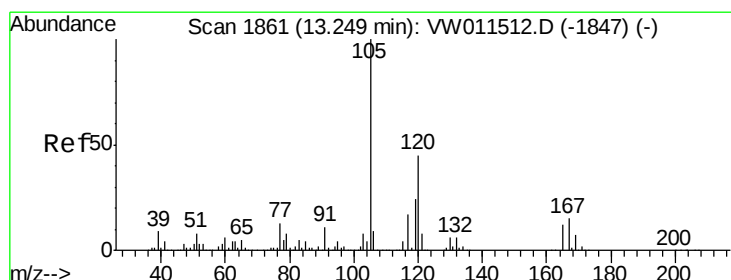
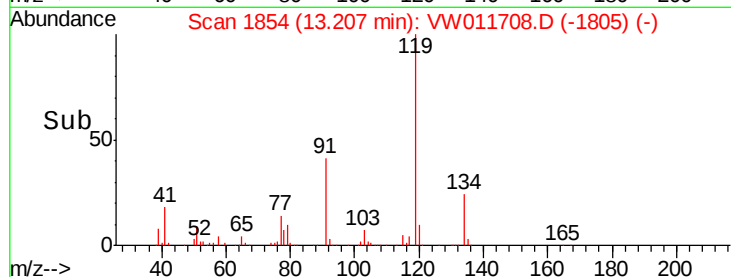
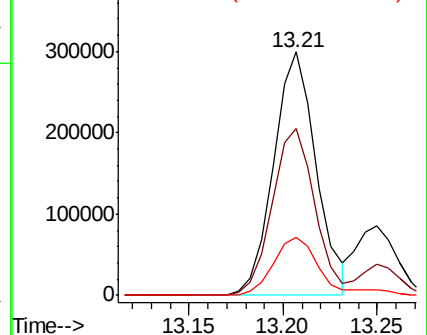
134 26.4 12.4 37.4



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: 54.614 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011708.D

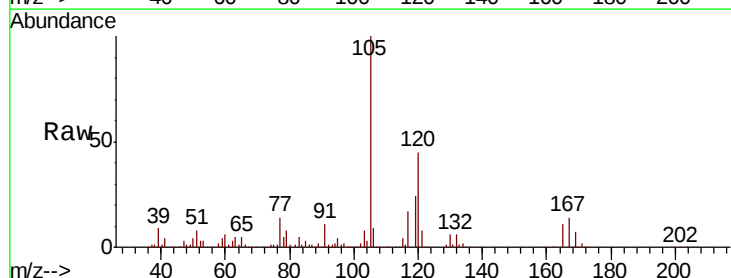
Acq: 05 Aug 2019 14:27

Tgt Ion:105 Resp: 549647

Ion Ratio Lower Upper

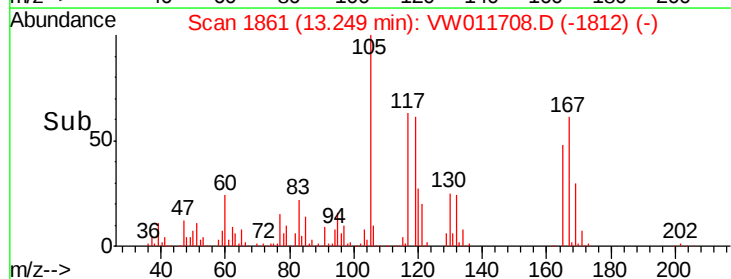
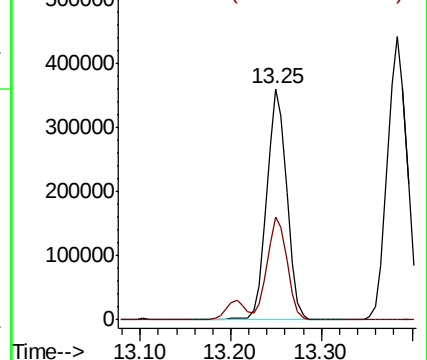
105 100

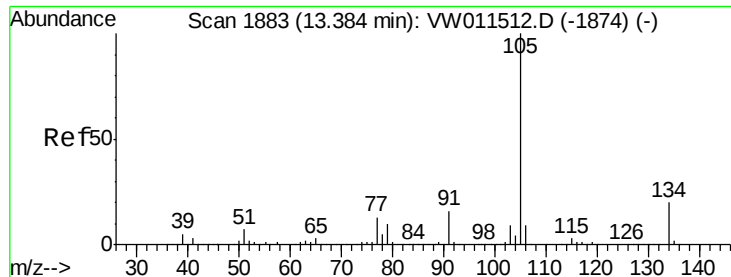
120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

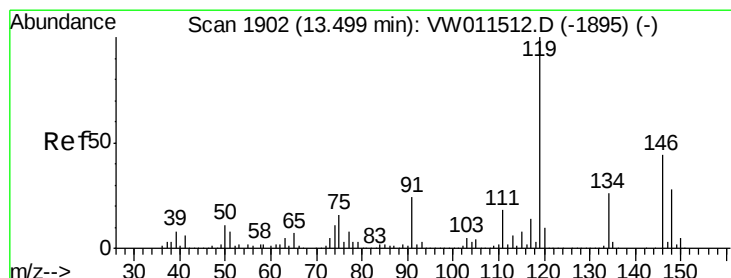
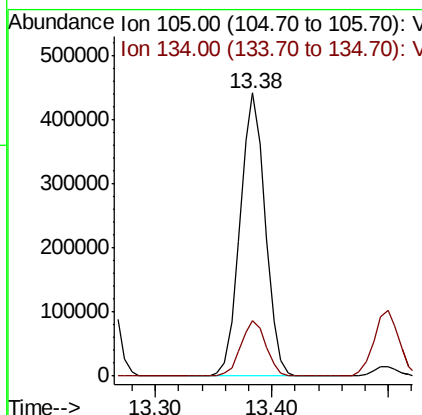
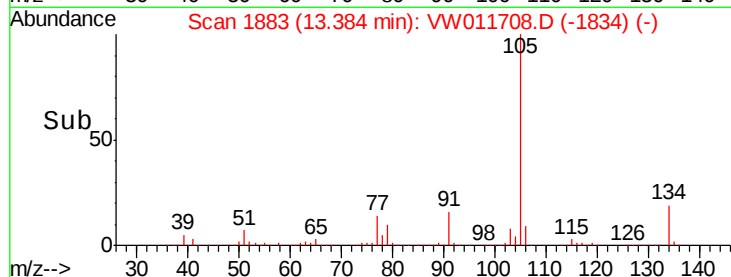
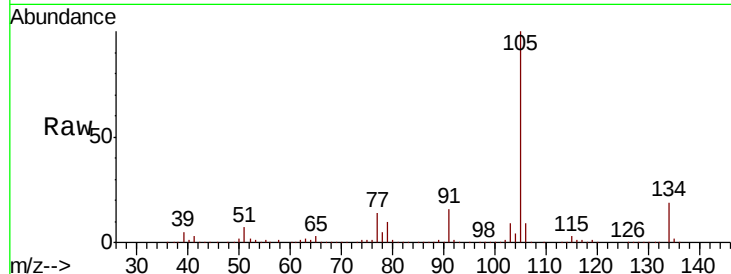




#85
 sec-Butylbenzene
 Concen: 55.890 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

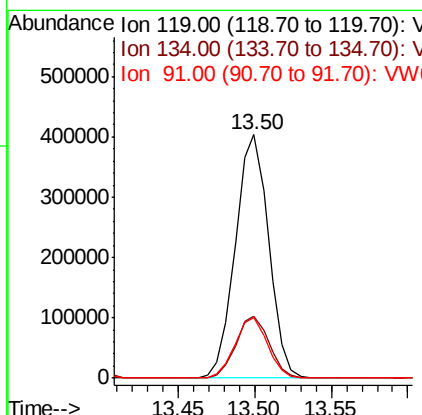
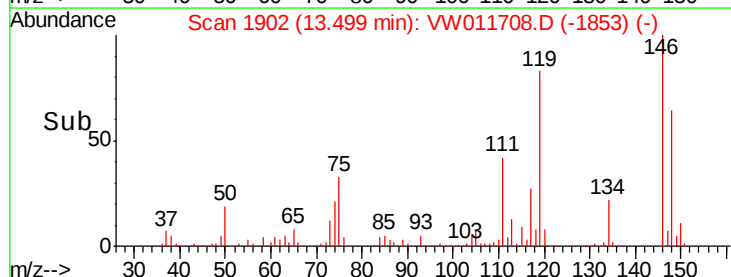
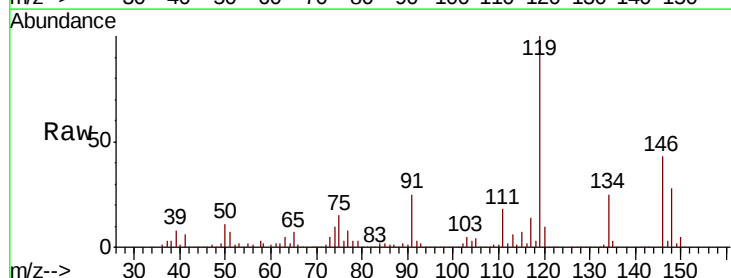
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

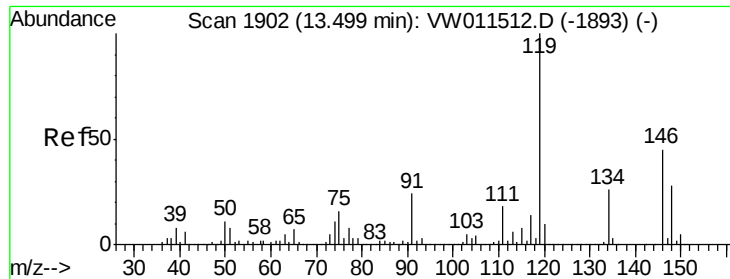
Tot Ion:105 Resp: 666268
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.019 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion:119 Resp: 605912
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.4
 91 24.5 12.1 36.3

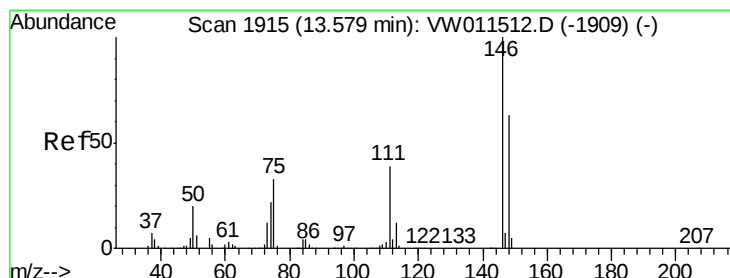
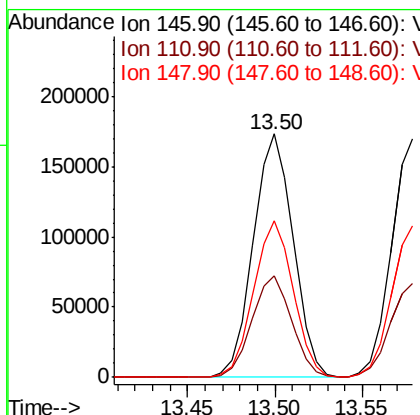
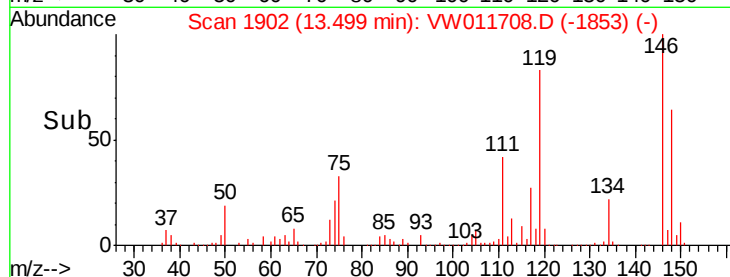
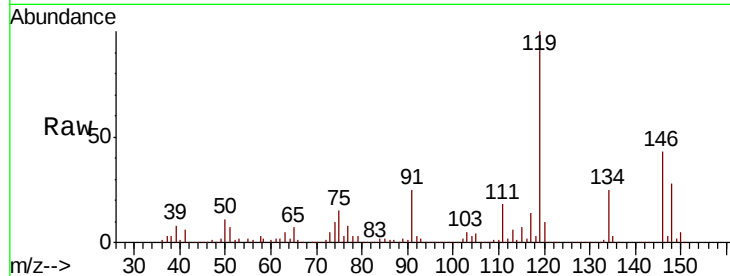




#87
 1,3-Dichlorobenzene
 Concen: 53.209 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

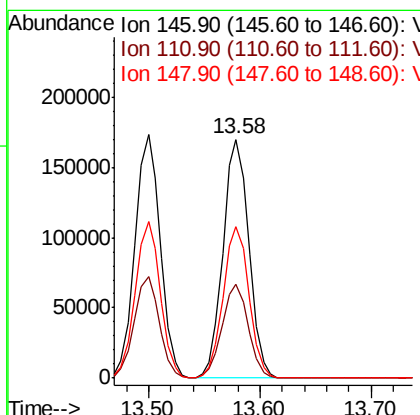
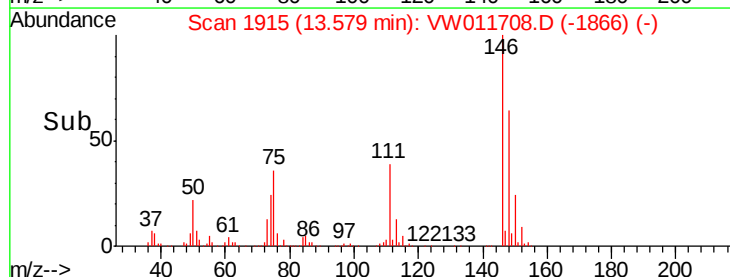
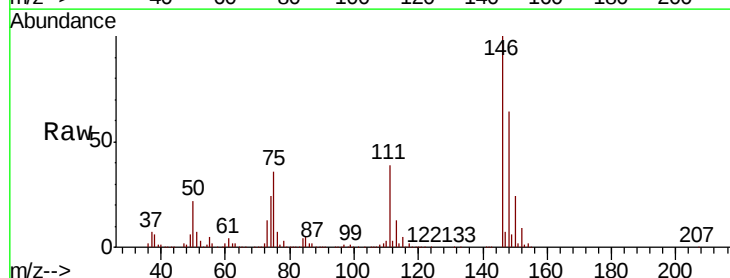
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

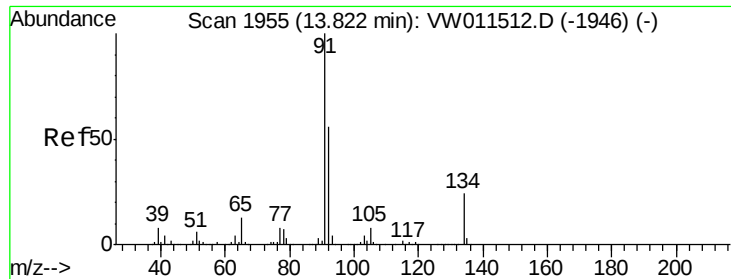
Tot Ion:146 Resp: 274846
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.5 61.6
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.070 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion:146 Resp: 272691
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.2
 148 63.6 31.9 95.9





#89

n-Butylbenzene

Concen: 56.517 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

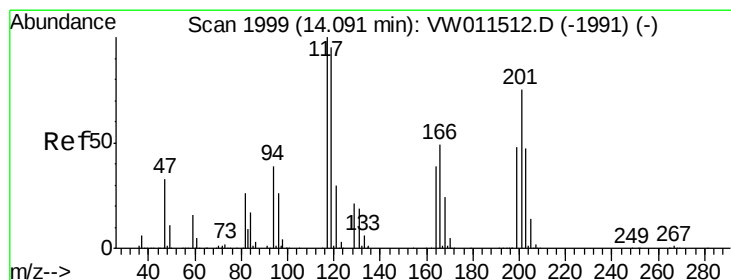
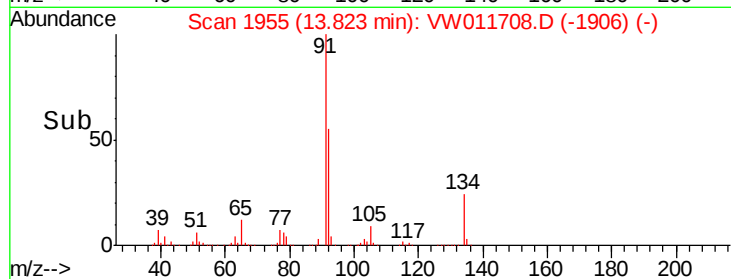
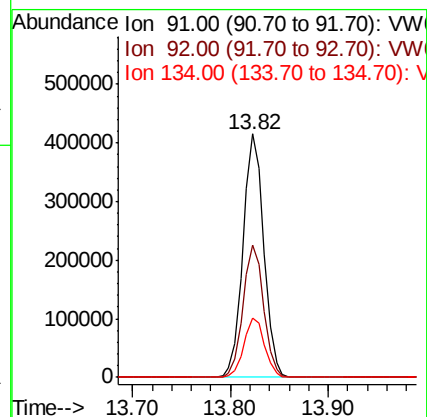
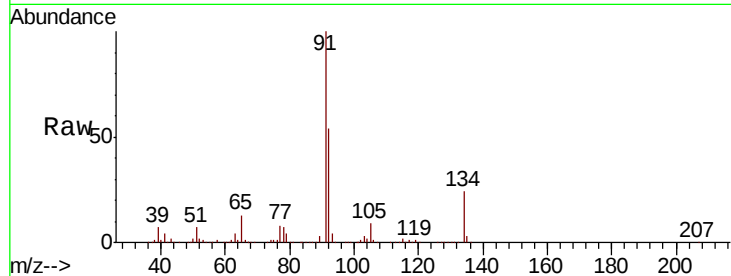
Tot Ion: 91 Resp: 610033

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 55.548 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011708.D

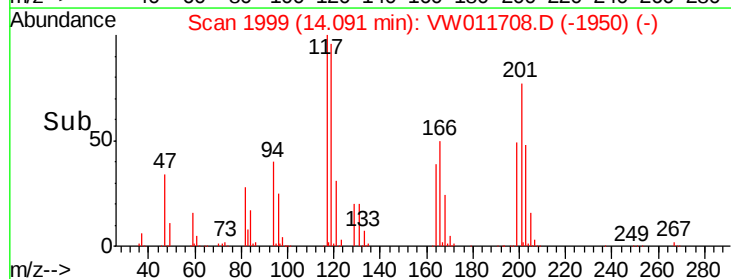
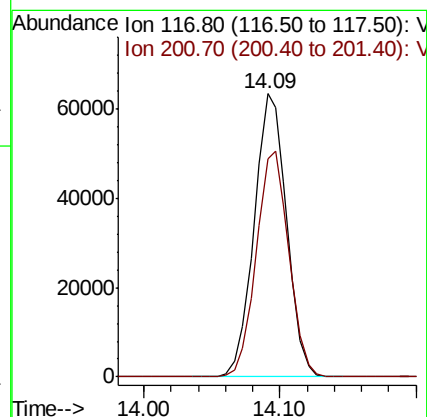
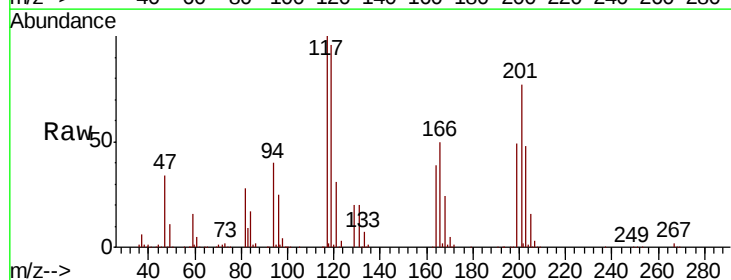
Acq: 05 Aug 2019 14:27

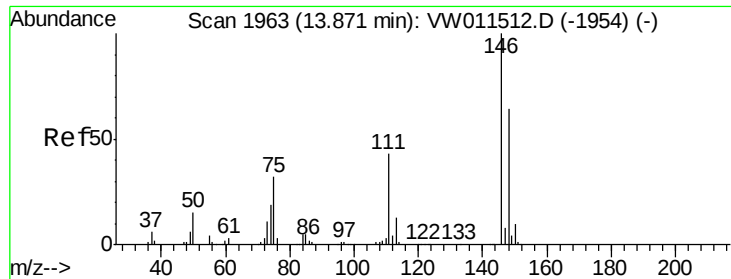
Tgt Ion: 117 Resp: 106240

Ion Ratio Lower Upper

117 100

201 80.1 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 52.733 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

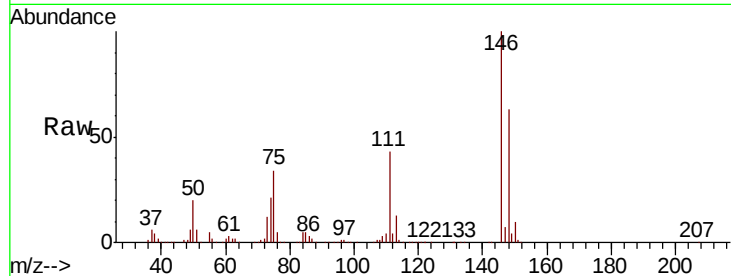
Tot Ion:146 Resp: 240910

Ion Ratio Lower Upper

146 100

111 42.6 21.6 65.0

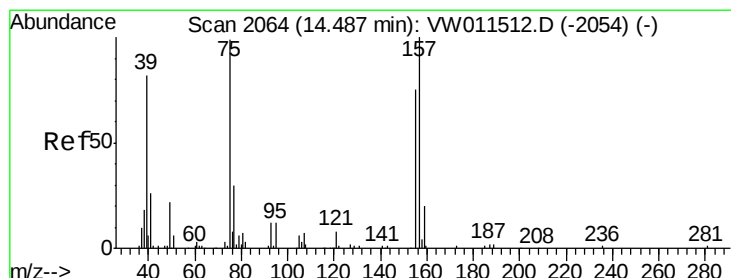
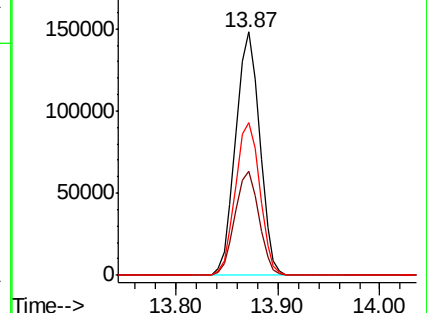
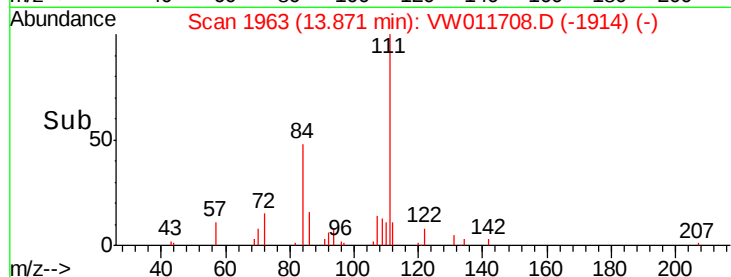
148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.133 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011708.D

Acq: 05 Aug 2019 14:27

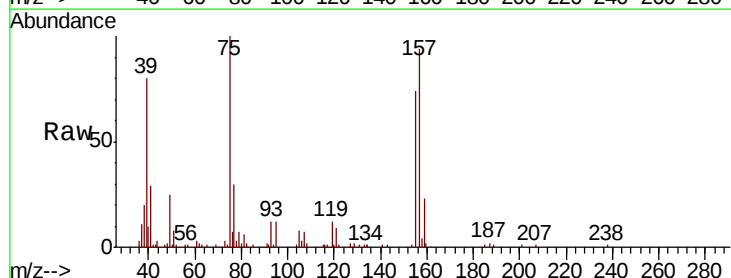
Tgt Ion: 75 Resp: 19548

Ion Ratio Lower Upper

75 100

155 74.5 38.2 114.6

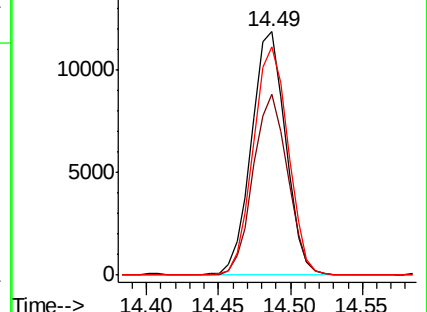
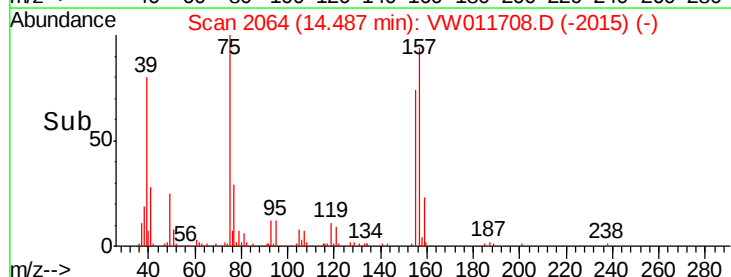
157 95.4 48.9 146.7

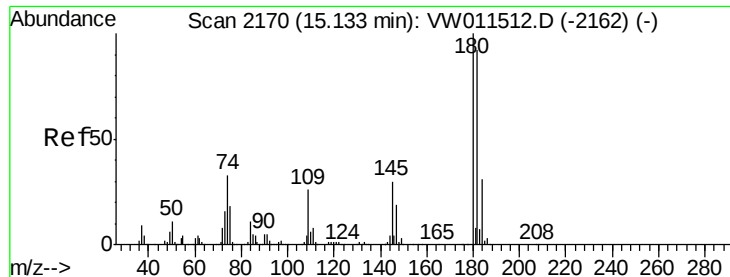


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

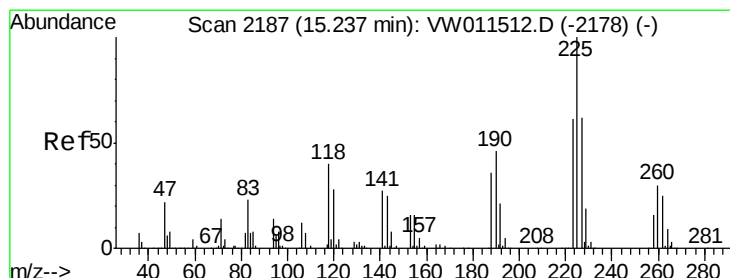
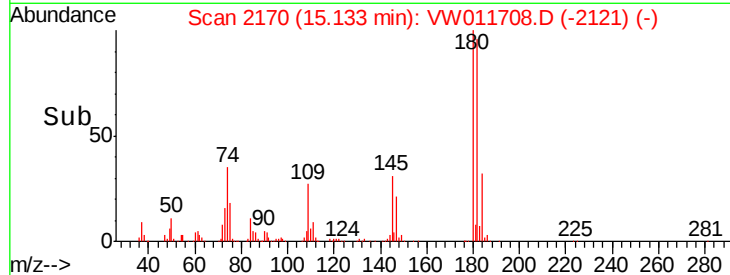
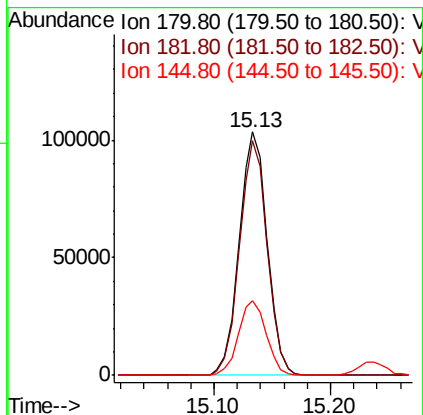
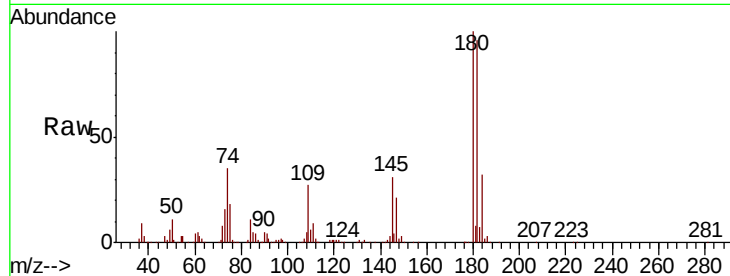




#93
 1,2,4-Trichlorobenzene
 Concen: 53.624 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

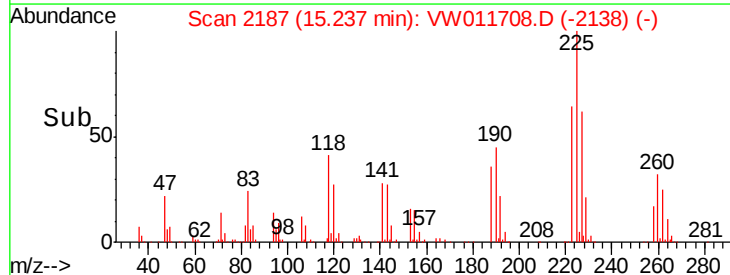
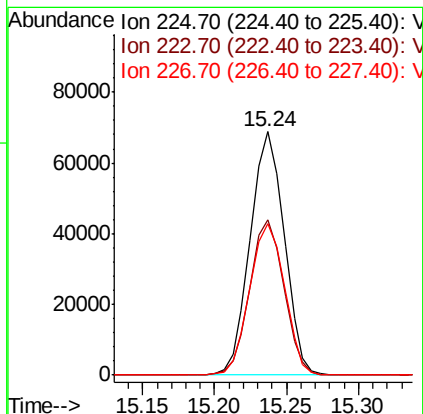
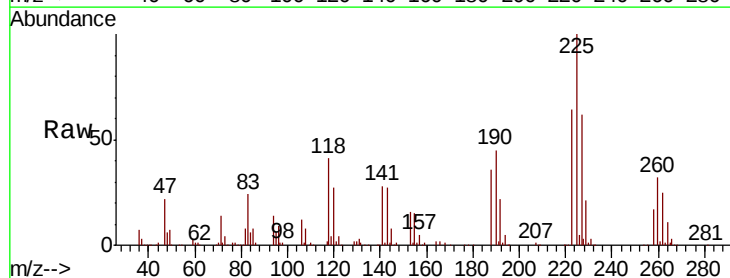
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

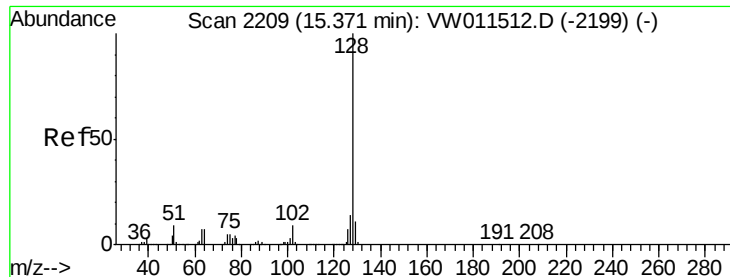
Tot Ion:180 Resp: 172656
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.4 142.2
 145 30.7 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 56.003 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011708.D
 Acq: 05 Aug 2019 14:27

Tgt Ion:225 Resp: 112449
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.8 92.3
 227 64.2 31.6 94.7

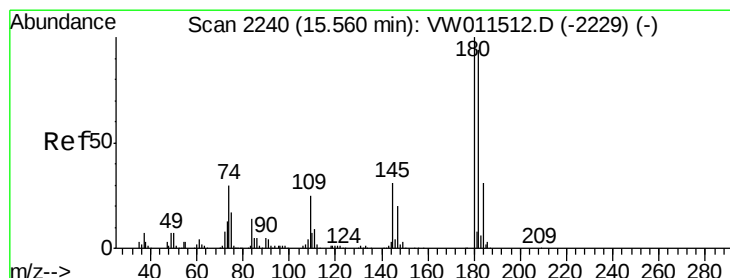
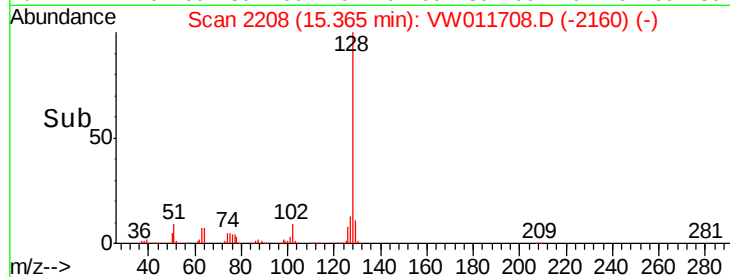
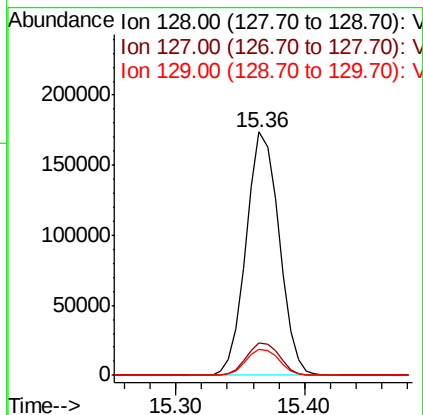
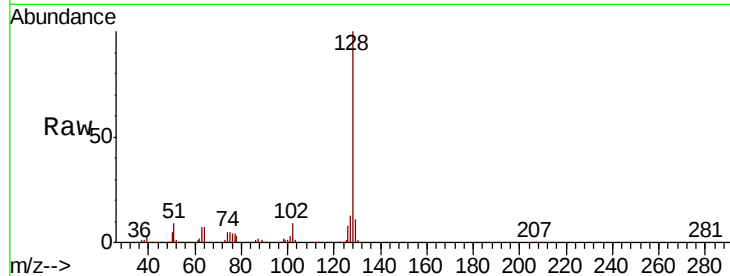




#95
Naphthalene
Concen: 48.797 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 307440
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.332 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011708.D
Acq: 05 Aug 2019 14:27

Tgt Ion:180 Resp: 150519
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 31.9 15.9 47.7

