

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012072.D
 Acq On : 21 Aug 2019 15:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 22 05:15:42 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	236708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140356	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.88	113	115305	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.32	98	463342	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	165339	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62485	47.365	ug/l	95
3) Chloromethane	2.21	50	108216	47.307	ug/l	98
4) Vinyl Chloride	2.36	62	138858	50.420	ug/l	99
5) Bromomethane	2.76	94	68223	44.754	ug/l	100
6) Chloroethane	2.91	64	81551	51.839	ug/l	98
7) Trichlorofluoromethane	3.25	101	76420	62.089	ug/l	99
8) Diethyl Ether	3.68	74	73112	52.391	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127157	54.461	ug/l	99
10) Methyl Iodide	4.27	142	174615	52.921	ug/l	100
11) Tert butyl alcohol	5.18	59	47579	236.208	ug/l	99
12) 1,1-Dichloroethene	4.04	96	131516	53.349	ug/l	97
13) Acrolein	3.89	56	40726	208.820	ug/l	99
14) Allyl chloride	4.67	41	280310	53.461	ug/l	100
15) Acrylonitrile	5.37	53	191834	275.377	ug/l	98
16) Acetone	4.12	43	185603	214.667	ug/l	98
17) Carbon Disulfide	4.38	76	363804	47.151	ug/l	99
18) Methyl Acetate	4.67	43	103587	53.331	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	219465	56.100	ug/l	98
20) Methylene Chloride	4.92	84	143948	48.274	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	140508	52.867	ug/l	99
22) Diisopropyl ether	6.31	45	536505	54.272	ug/l	99
23) Vinyl Acetate	6.25	43	1709462	275.205	ug/l	100
24) 1,1-Dichloroethane	6.21	63	285583	53.941	ug/l	99
25) 2-Butanone	7.17	43	279088	246.682	ug/l	99
26) 2,2-Dichloropropane	7.17	77	156178	47.967	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	155129	53.034	ug/l	99
28) Bromochloromethane	7.51	49	125038	53.208	ug/l	99
29) Tetrahydrofuran	7.53	42	176674	273.193	ug/l	99
30) Chloroform	7.68	83	260662	53.366	ug/l	98
31) Cyclohexane	7.95	56	264512	52.048	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	205801	55.326	ug/l	99
36) 1,1-Dichloropropene	8.08	75	219942	55.716	ug/l	99
37) Ethyl Acetate	7.25	43	125990	55.474	ug/l	99
38) Carbon Tetrachloride	8.07	117	186988	55.332	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	248293	57.122	ug/l	99
40) Benzene	8.32	78	597041	53.995	ug/l	99
41) Methacrylonitrile	7.48	41	81761	60.223	ug/l	95
42) 1,2-Dichloroethane	8.40	62	186036	53.738	ug/l	99
43) Isopropyl Acetate	8.42	43	234436	56.128	ug/l	100
44) Trichloroethene	9.09	130	146498	55.124	ug/l	97
45) 1,2-Dichloropropane	9.37	63	160678	54.309	ug/l	100
46) Dibromomethane	9.46	93	73035	54.086	ug/l	98
47) Bromodichloromethane	9.65	83	192524	54.352	ug/l	100
48) Methyl methacrylate	9.43	41	111533	55.589	ug/l	99
49) 1,4-Dioxane	9.45	88	21939	1122.070	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	607409	279.582	ug/l	100
52) Toluene	10.39	92	366978	54.957	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	203165	54.907	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241750	54.950	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106105	55.380	ug/l	98
56) Ethyl methacrylate	10.65	69	160022	57.076	ug/l	99
57) 1,3-Dichloropropane	10.93	76	199303	54.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	413015	324.450	ug/l	100
59) 2-Hexanone	10.97	43	418619	272.899	ug/l	99
60) Dibromochloromethane	11.13	129	117664	55.326	ug/l	100
61) 1,2-Dibromoethane	11.24	107	100259	55.296	ug/l	99
64) Tetrachloroethene	10.86	164	119691	55.593	ug/l	98
65) Chlorobenzene	11.66	112	367714	55.313	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	130914	56.536	ug/l	100
67) Ethyl Benzene	11.73	91	716530	56.593	ug/l	100
68) m/p-Xylenes	11.84	106	514465	111.732	ug/l	99
69) o-Xylene	12.16	106	242799	56.745	ug/l	100
70) Styrene	12.18	104	419509	56.706	ug/l	99
71) Bromoform	12.35	173	66808	56.586	ug/l #	98
73) Isopropylbenzene	12.46	105	679466	57.035	ug/l	100
74) N-amyl acetate	12.27	43	213367	57.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	126475	56.441	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	167294	99.009	ug/l #	100
77) Bromobenzene	12.75	156	146423	55.607	ug/l	100
78) n-propylbenzene	12.80	91	828461	57.142	ug/l	100
79) 2-Chlorotoluene	12.89	91	470369	56.315	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	566152	56.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41915	57.170	ug/l	99
82) 4-Chlorotoluene	12.99	91	481122	54.901	ug/l	99
83) tert-Butylbenzene	13.21	119	483392	57.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	562754	55.942	ug/l	99
85) sec-Butylbenzene	13.38	105	691549	58.037	ug/l	99
86) p-Isopropyltoluene	13.50	119	621658	57.501	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	283652	54.939	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	278811	54.285	ug/l	99
89) n-Butylbenzene	13.82	91	625503	57.976	ug/l	99
90) Hexachloroethane	14.09	117	106439	55.677	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	252927	55.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21605	56.539	ug/l	99

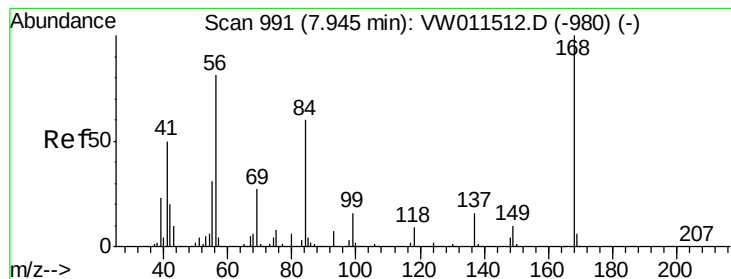
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	183626	57.057	ug/l	99
94) Hexachlorobutadiene	15.24	225	116741	58.167	ug/l	99
95) Naphthalene	15.36	128	343252	54.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	160469	56.883	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

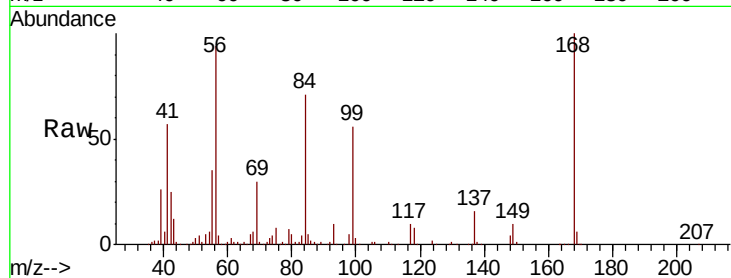
VSTDCCC050EC

Tgt Ion:168 Resp: 236708

Ion Ratio Lower Upper

168 100

99 56.0 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

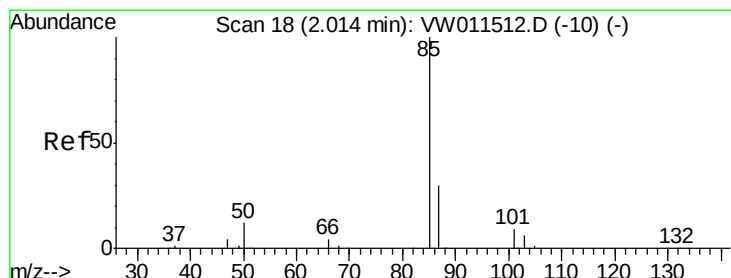
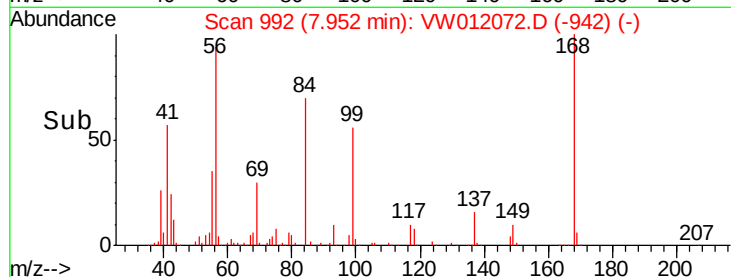
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.365 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012072.D

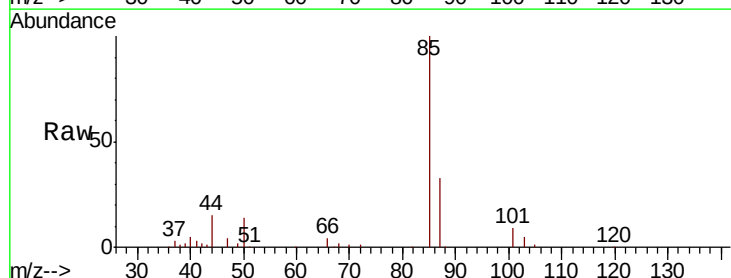
Acq: 21 Aug 2019 15:17

Tgt Ion: 85 Resp: 62485

Ion Ratio Lower Upper

85 100

87 33.2 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

20000

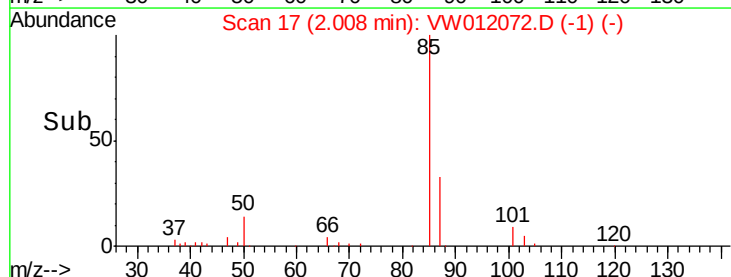
15000

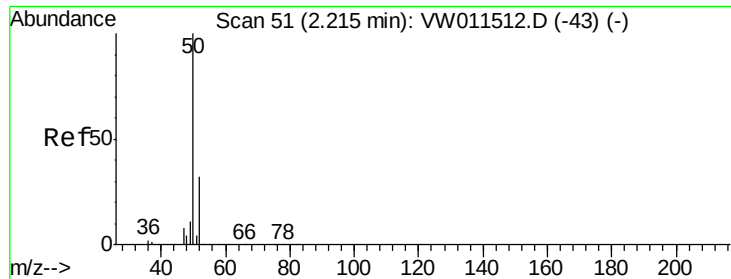
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.307 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

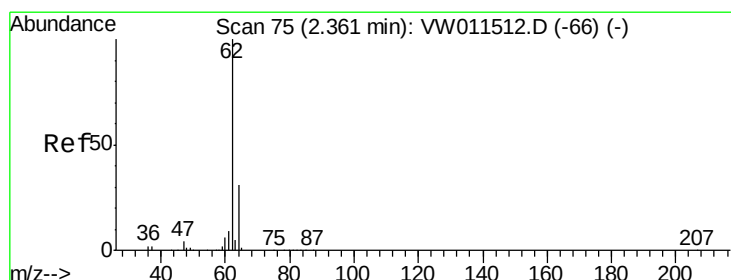
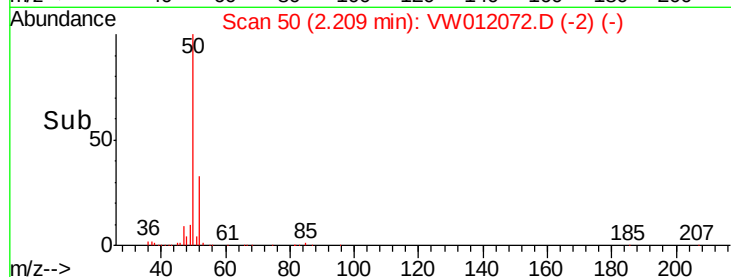
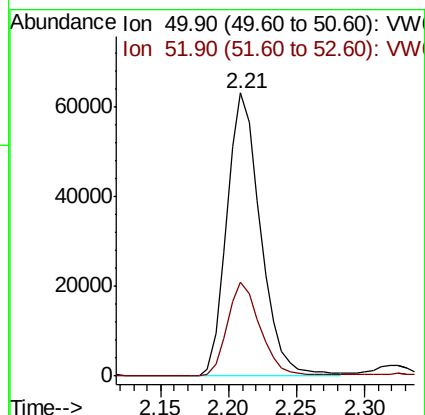
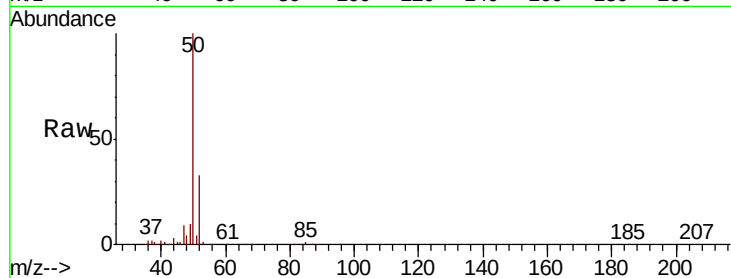
VSTDCCC050EC

Tgt Ion: 50 Resp: 108216

Ion Ratio Lower Upper

50 100

52 33.1 25.4 38.2



#4

Vinyl Chloride

Concen: 50.420 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012072.D

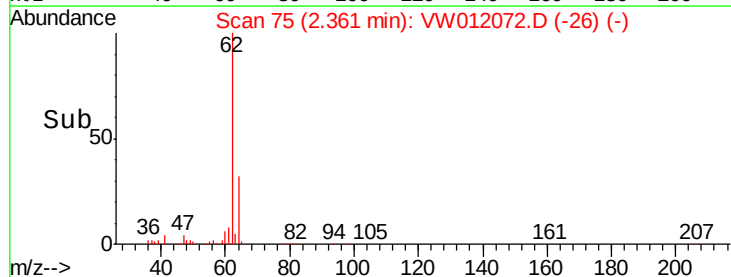
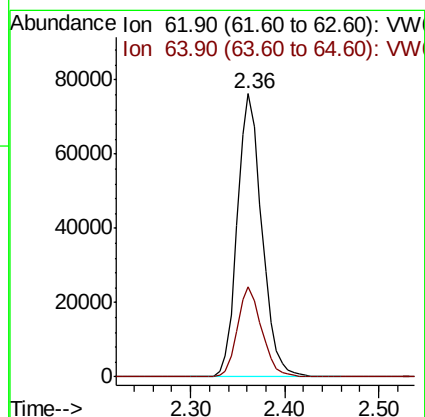
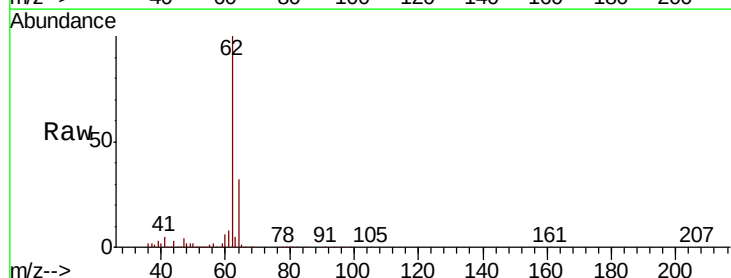
Acq: 21 Aug 2019 15:17

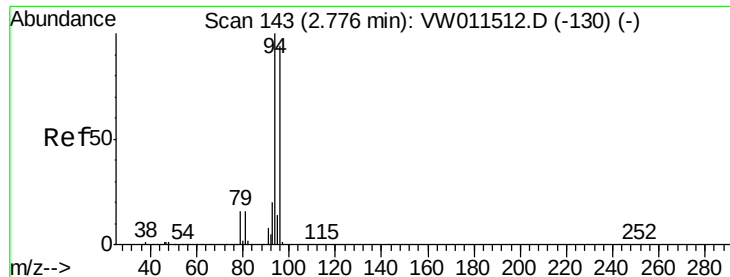
Tgt Ion: 62 Resp: 138858

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 44.754 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

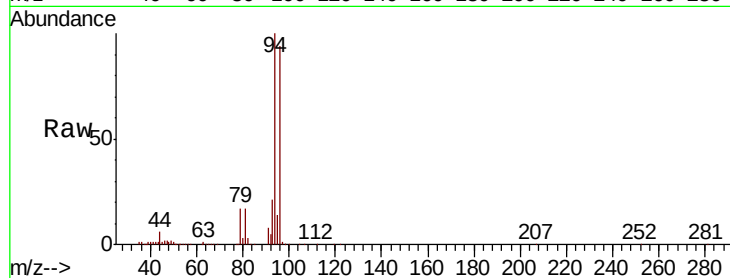
VSTDCCC050EC

Tgt Ion: 94 Resp: 68223

Ion Ratio Lower Upper

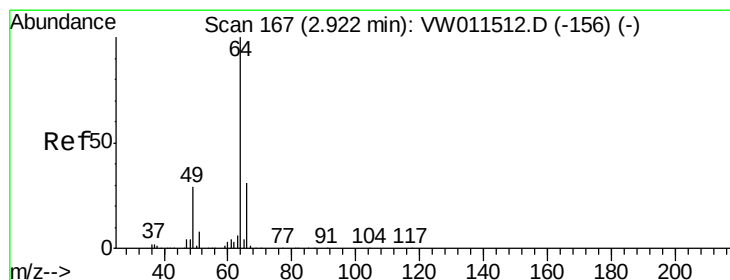
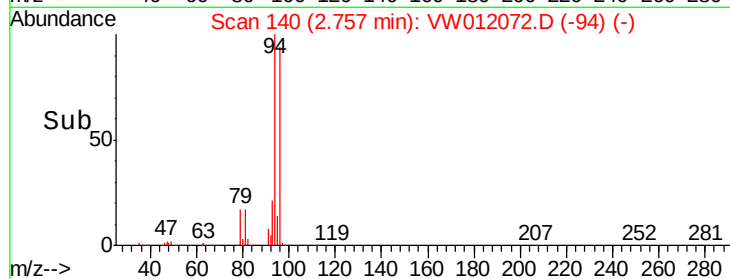
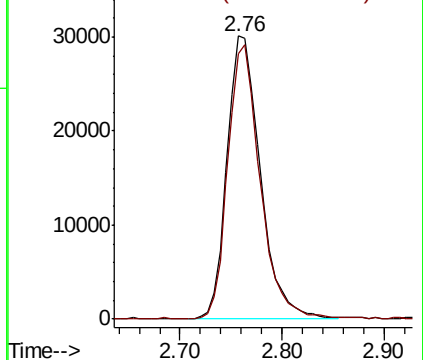
94 100

96 93.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 51.839 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012072.D

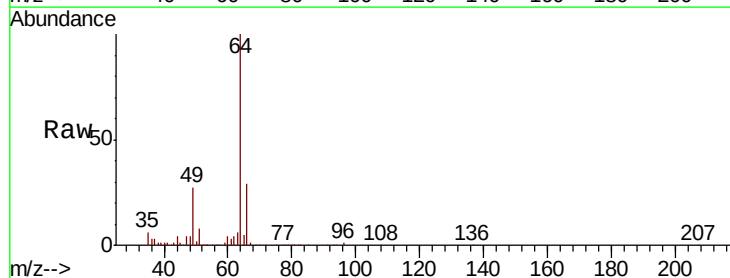
Acq: 21 Aug 2019 15:17

Tgt Ion: 64 Resp: 81551

Ion Ratio Lower Upper

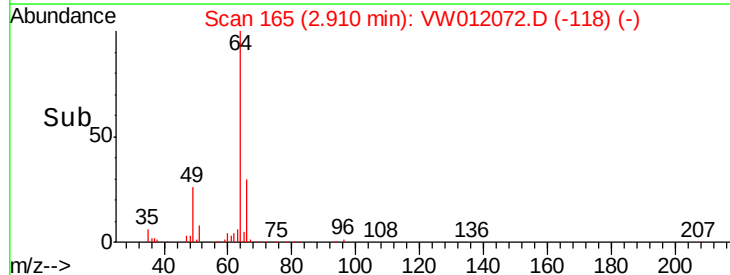
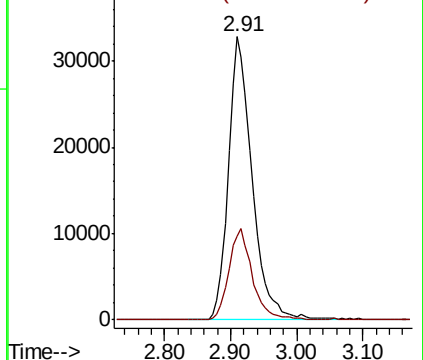
64 100

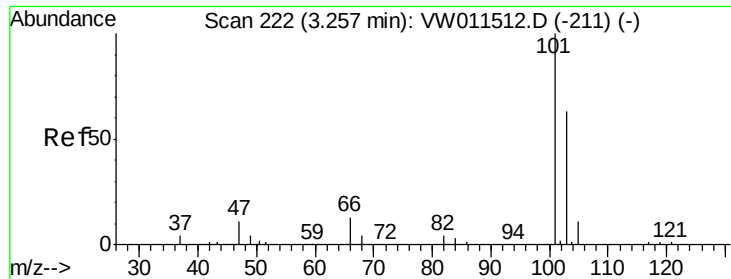
66 29.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



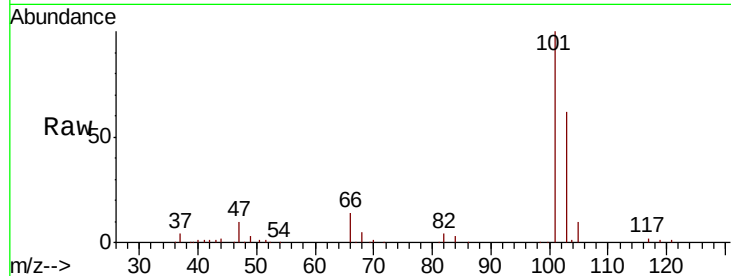


#7

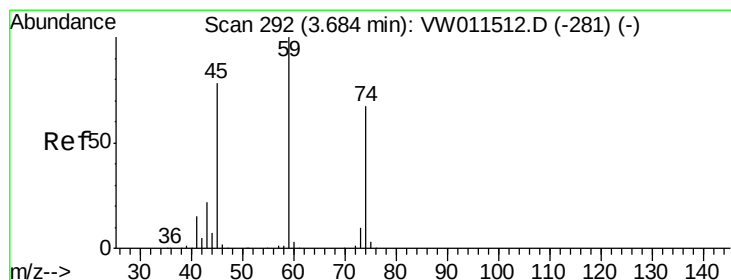
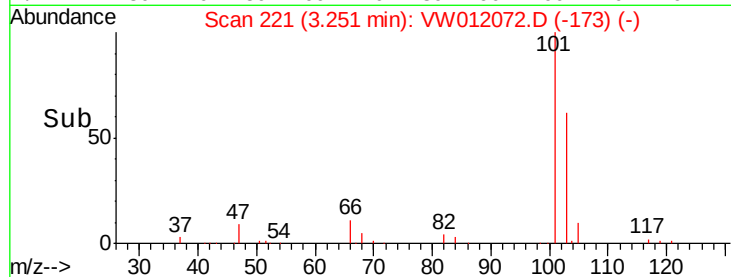
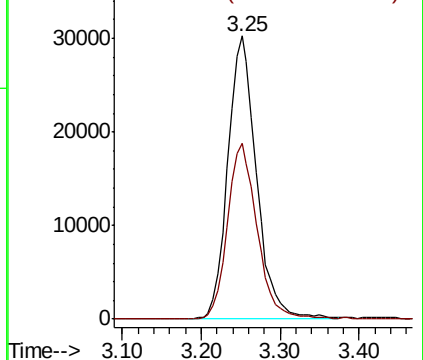
Trichlorofluoromethane
Concen: 62.089 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

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VSTDCCC050EC

Tgt Ion: 101 Resp: 76420
Ion Ratio Lower Upper
101 100
103 62.1 50.2 75.4



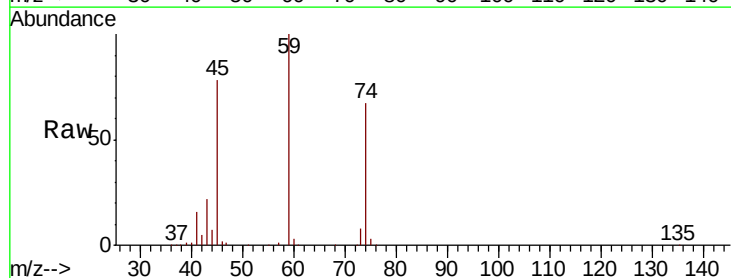
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



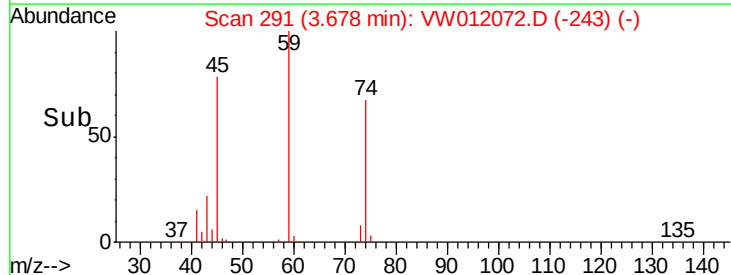
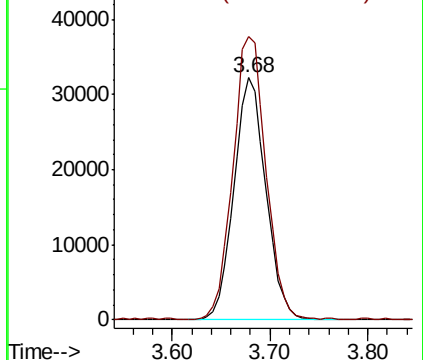
#8

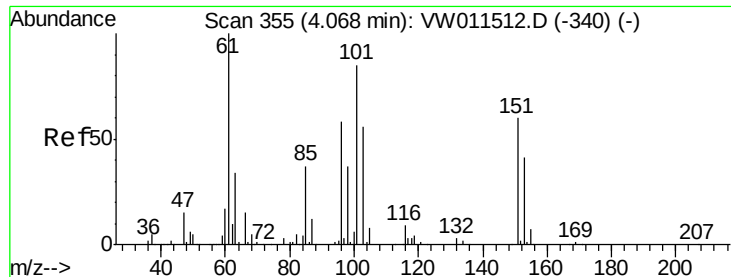
Diethyl Ether
Concen: 52.391 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 74 Resp: 73112
Ion Ratio Lower Upper
74 100
45 119.9 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.461 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

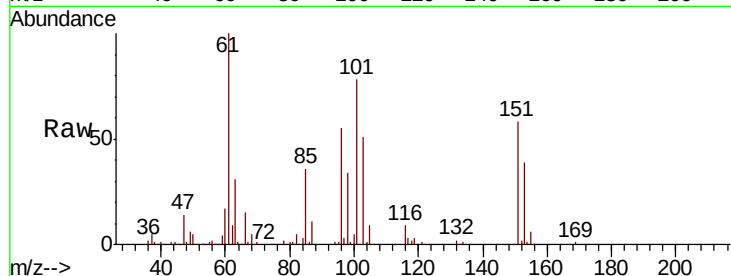
Tgt Ion:101 Resp: 127157

Ion Ratio Lower Upper

101 100

85 46.3 36.6 54.8

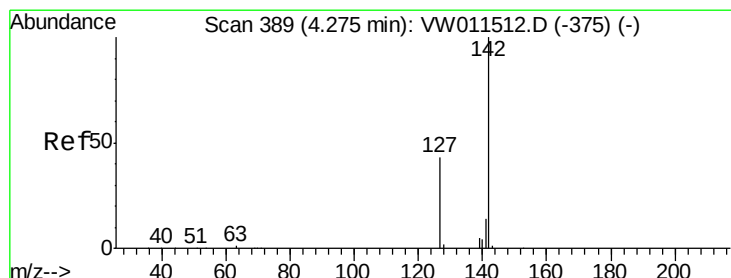
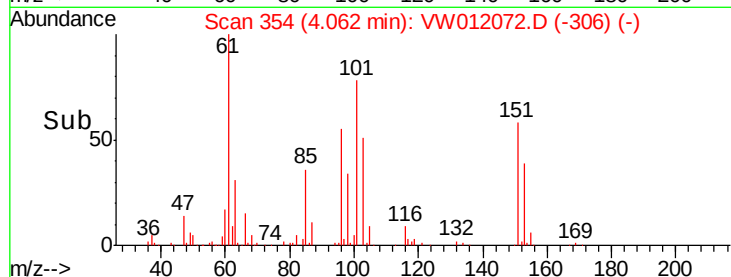
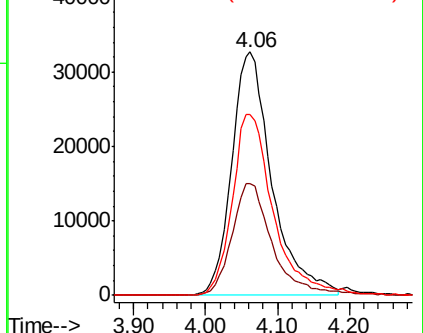
151 76.1 60.2 90.2



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: 52.921 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

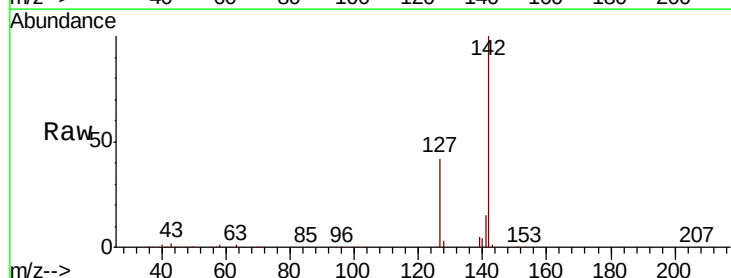
Tgt Ion:142 Resp: 174615

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

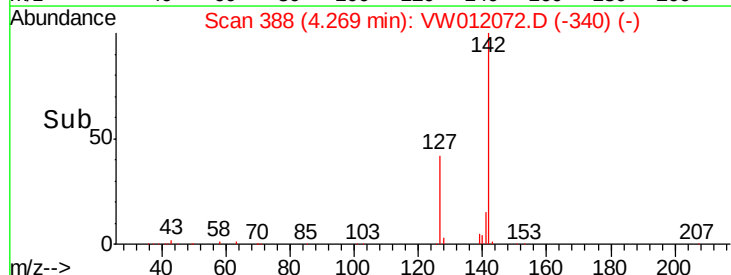
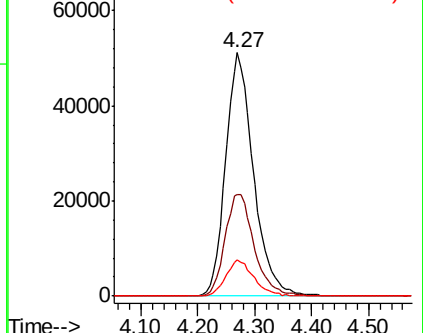
141 14.7 11.9 17.9

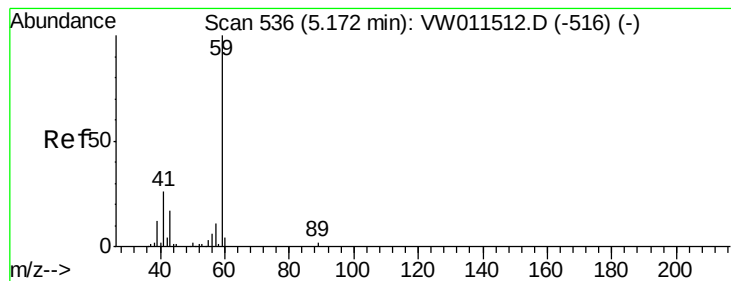


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



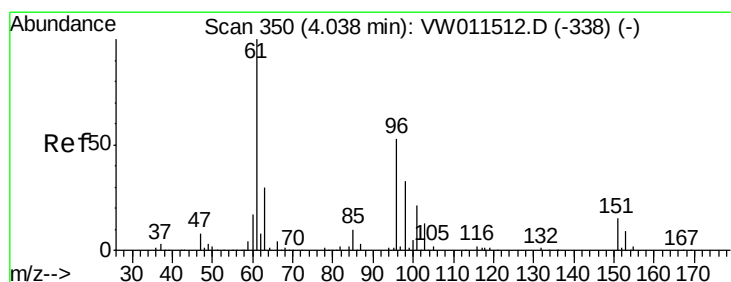
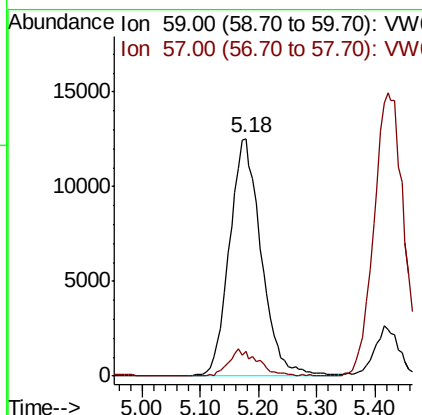
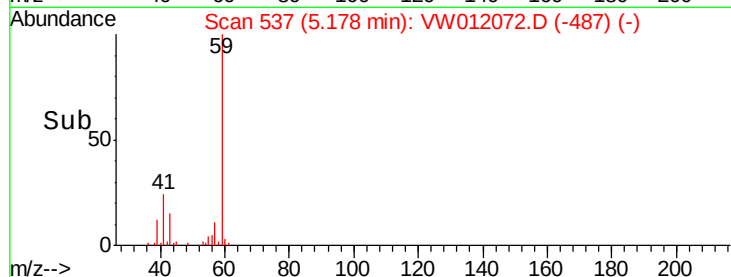
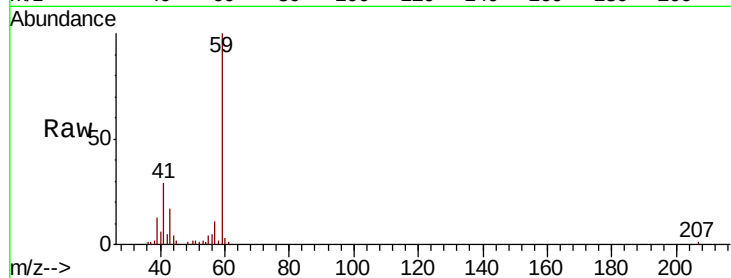


#11

Tert butyl alcohol
 Concen: 236.208 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

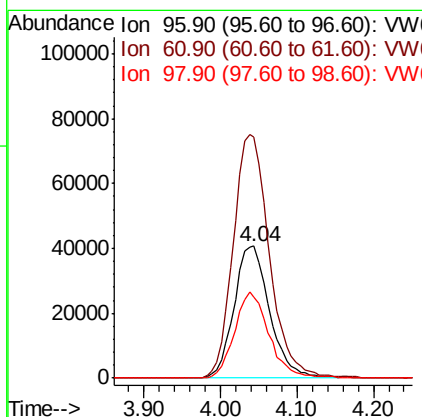
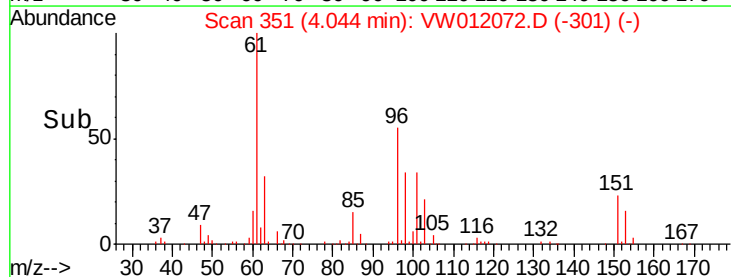
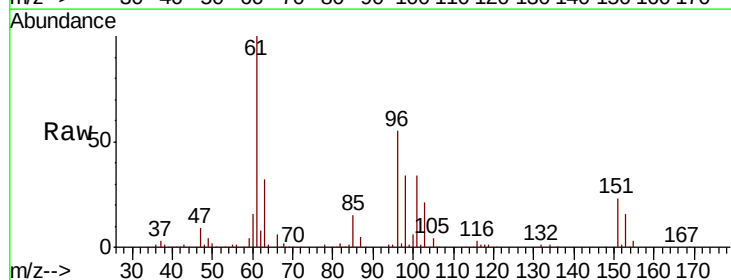
Tgt Ion: 59 Resp: 47579
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

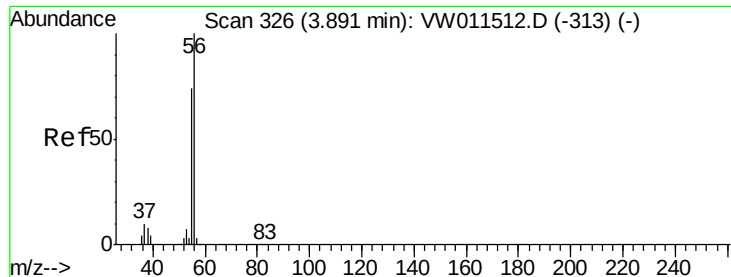


#12

1,1-Dichloroethene
 Concen: 53.349 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 96 Resp: 131516
 Ion Ratio Lower Upper
 96 100
 61 182.6 149.9 224.9
 98 61.7 49.1 73.7





#13

Acrolein

Concen: 208.820 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

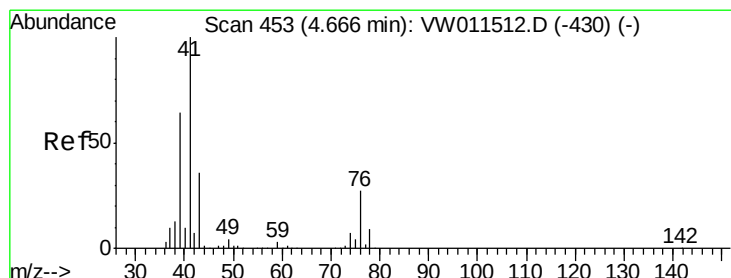
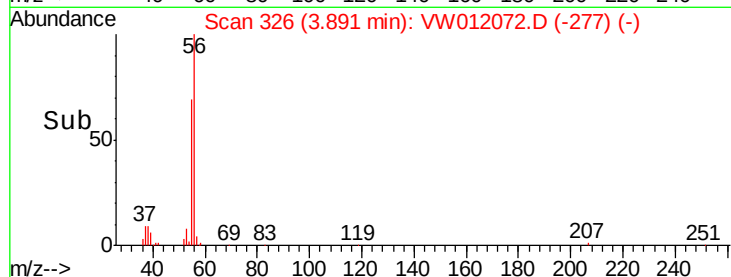
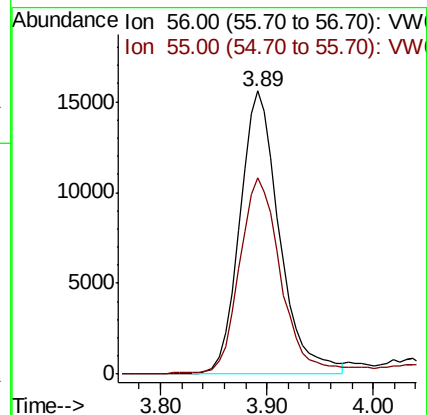
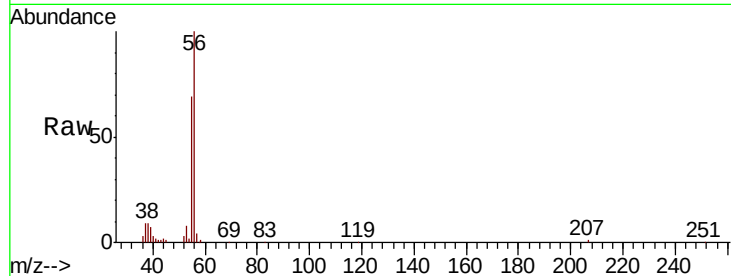
VSTDCCC050EC

Tgt Ion: 56 Resp: 40726

Ion Ratio Lower Upper

56 100

55 70.8 56.0 84.0



#14

Allyl chloride

Concen: 53.461 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

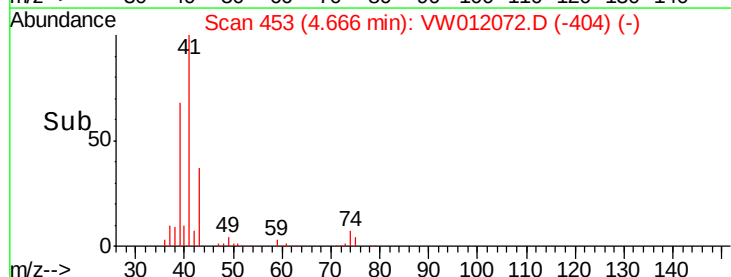
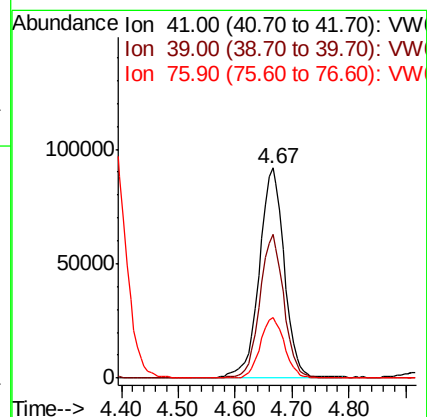
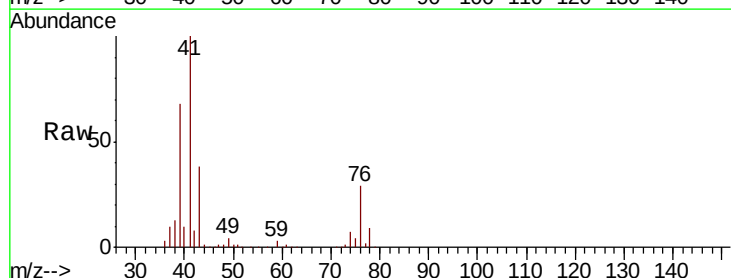
Tgt Ion: 41 Resp: 280310

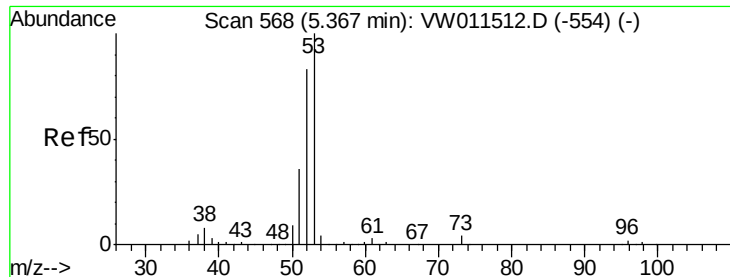
Ion Ratio Lower Upper

41 100

39 65.4 52.6 78.8

76 27.8 22.0 33.0





#15

Acrylonitrile

Concen: 275.377 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

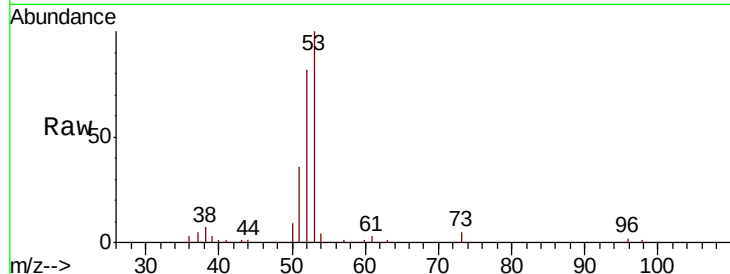
Tgt Ion: 53 Resp: 191834

Ion Ratio Lower Upper

53 100

52 82.0 67.2 100.8

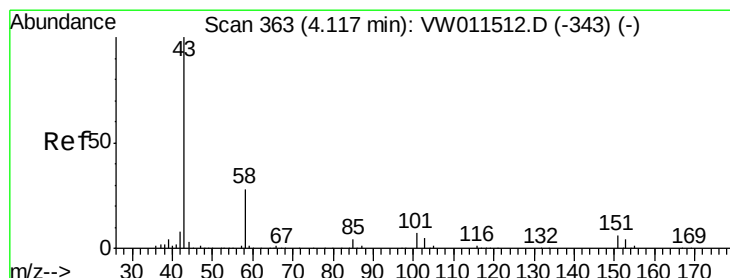
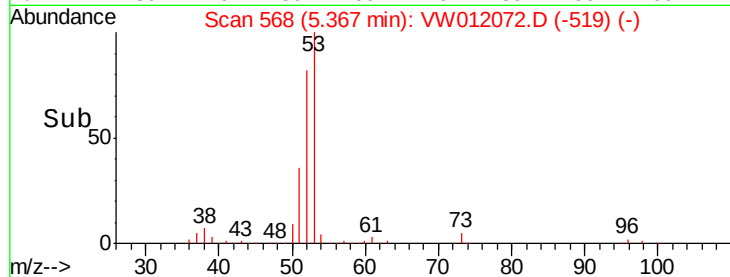
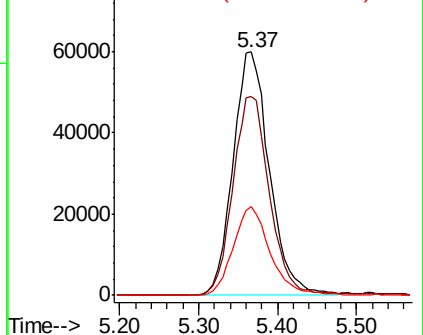
51 37.1 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 214.667 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012072.D

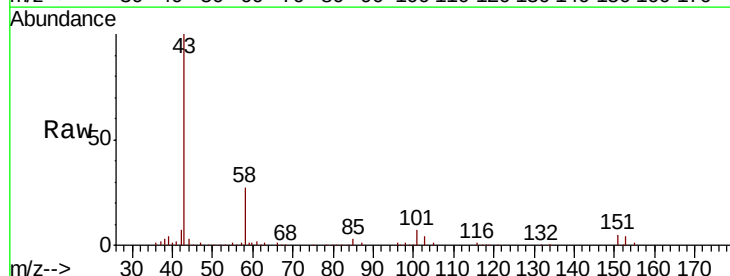
Acq: 21 Aug 2019 15:17

Tgt Ion: 43 Resp: 185603

Ion Ratio Lower Upper

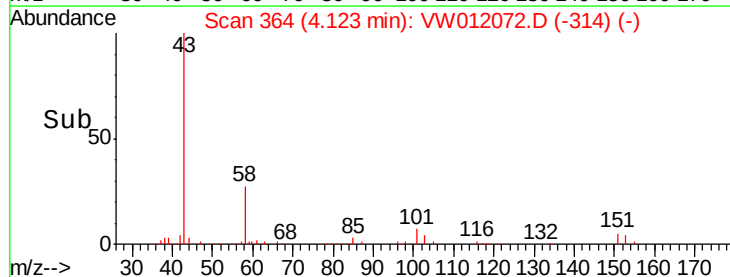
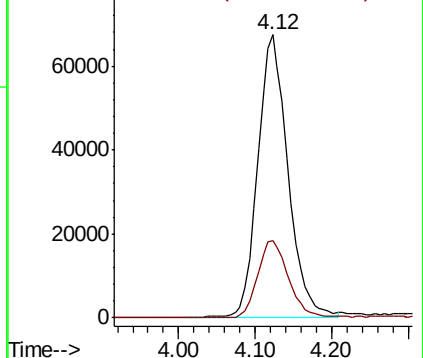
43 100

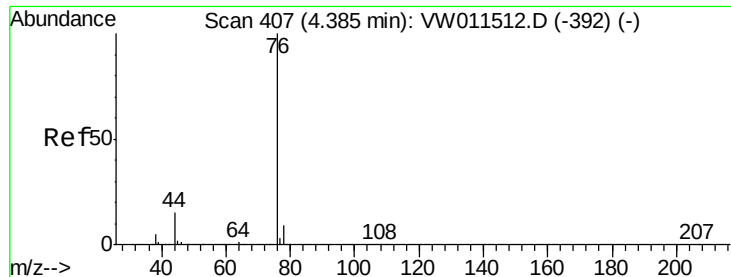
58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 47.151 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

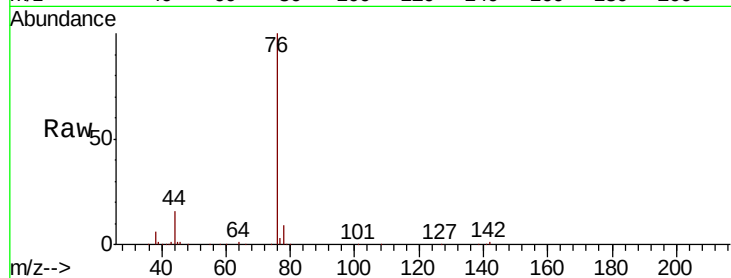
VSTDCCC050EC

Tgt Ion: 76 Resp: 363804

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

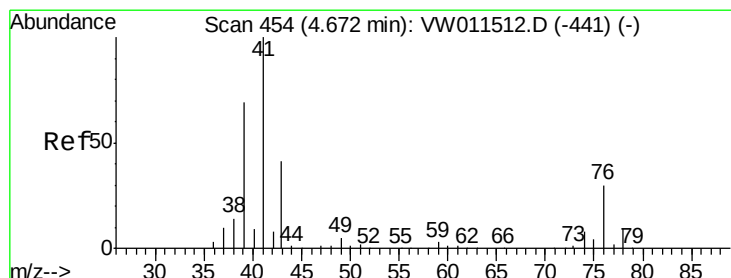
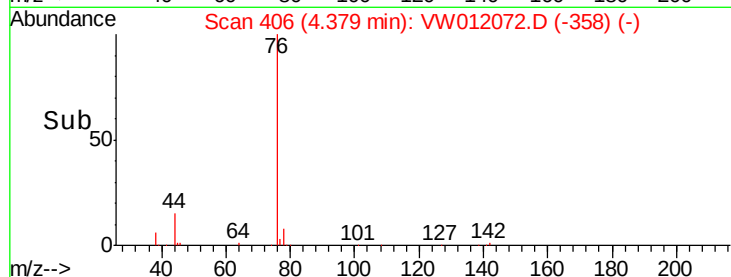
4.38

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012072.D

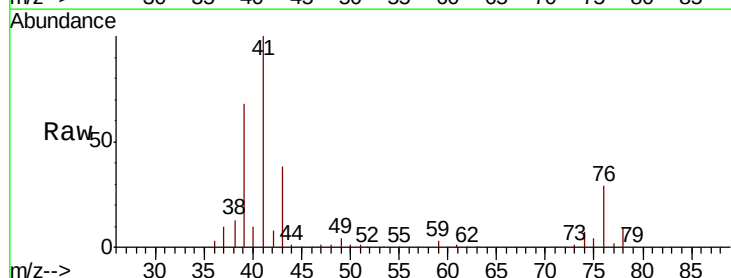
Acq: 21 Aug 2019 15:17

Tgt Ion: 43 Resp: 103587

Ion Ratio Lower Upper

43 100

74 20.0 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

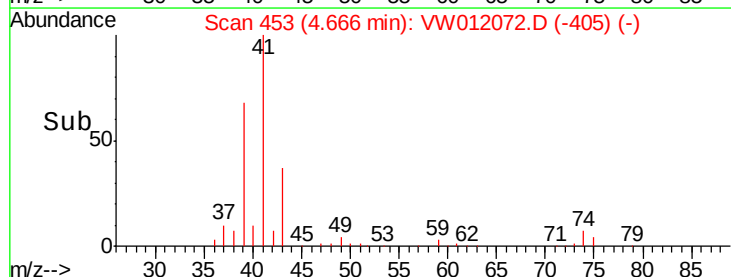
30000

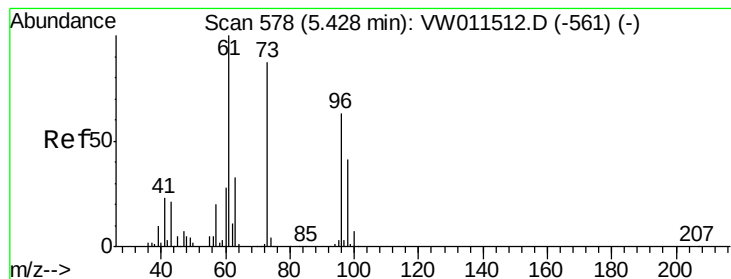
20000

10000

0

Time-->



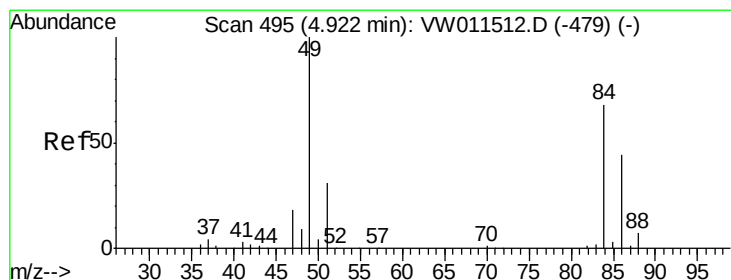
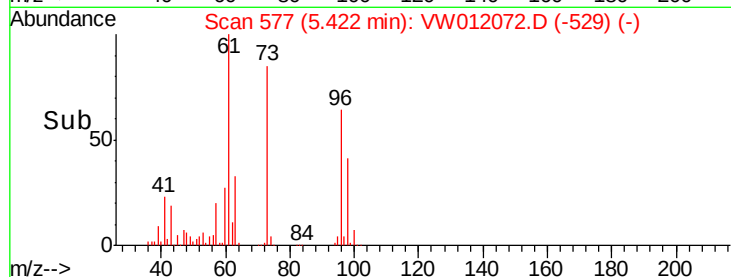
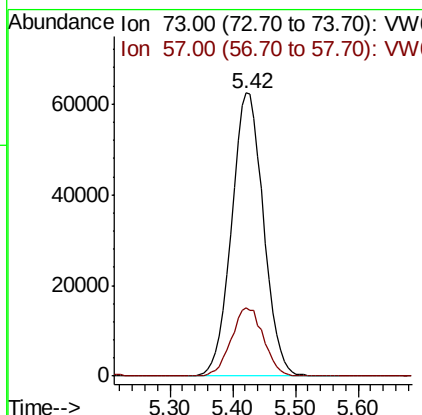
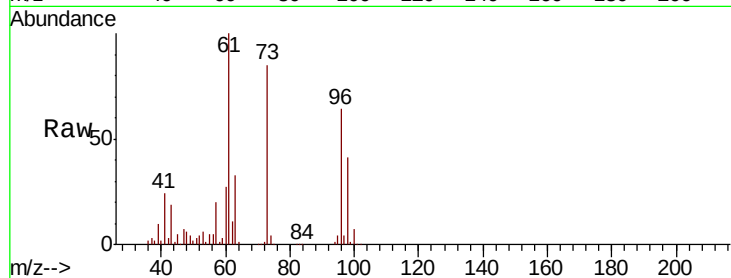


#19

Methyl tert-butyl Ether
 Concen: 56.100 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

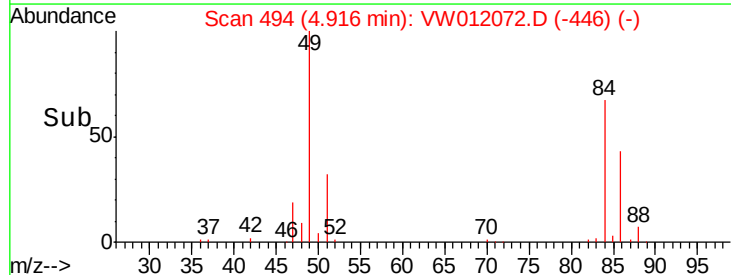
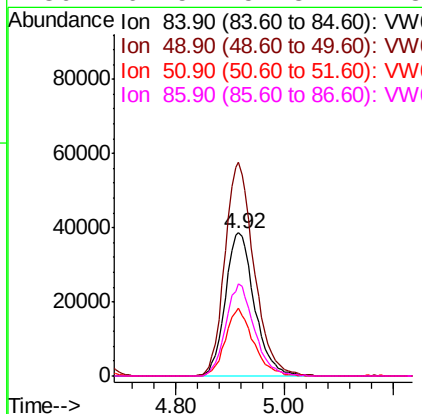
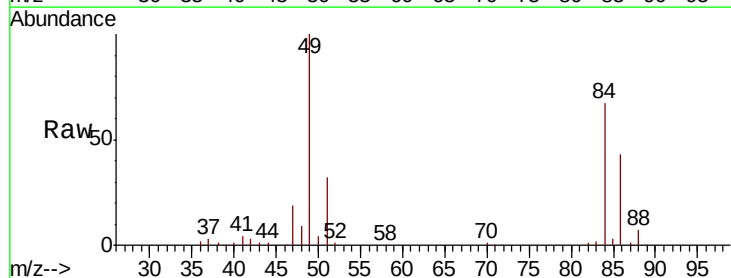
Tgt Ion: 73 Resp: 219465
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.4 27.6

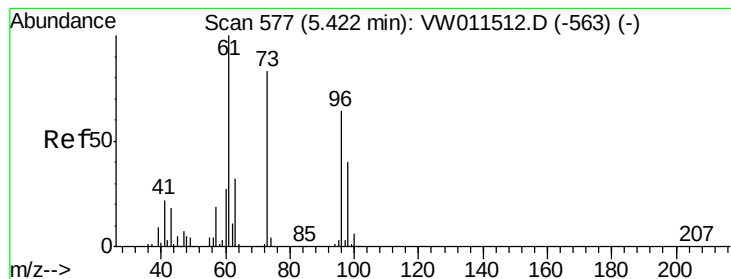


#20

Methylene Chloride
 Concen: 48.274 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 84 Resp: 143948
 Ion Ratio Lower Upper
 84 100
 49 149.5 117.8 176.6
 51 47.3 37.0 55.4
 86 64.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.867 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

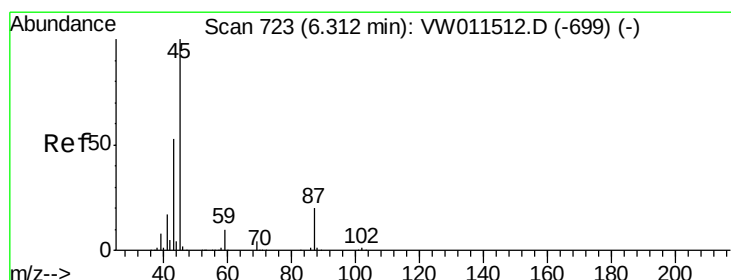
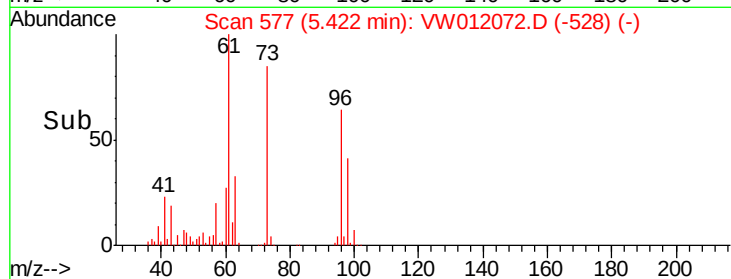
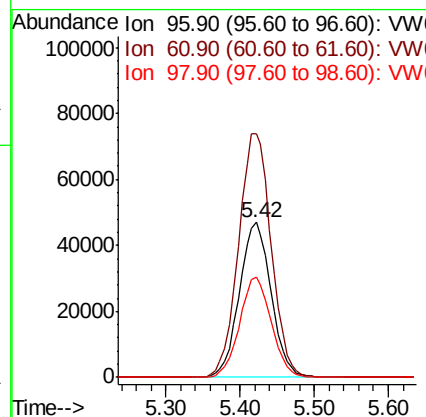
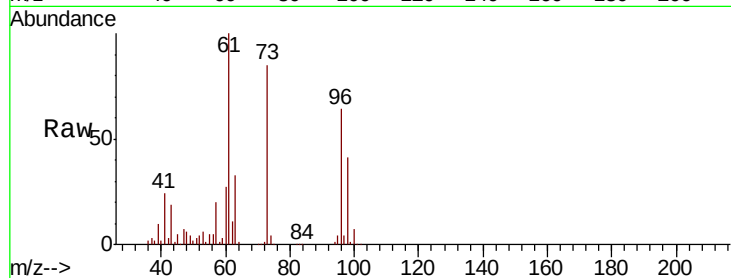
Tgt Ion: 96 Resp: 140508

Ion Ratio Lower Upper

96 100

61 156.8 125.7 188.5

98 64.4 50.3 75.5



#22

Diisopropyl ether

Concen: 54.272 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Tgt Ion: 45 Resp: 536505

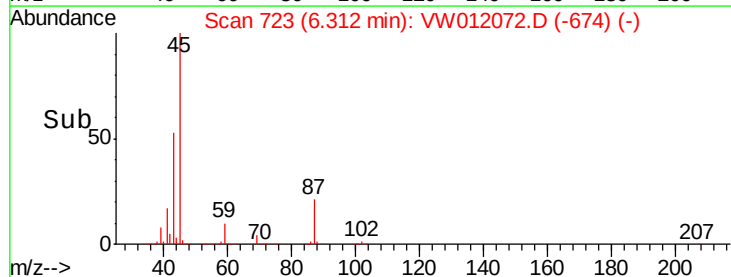
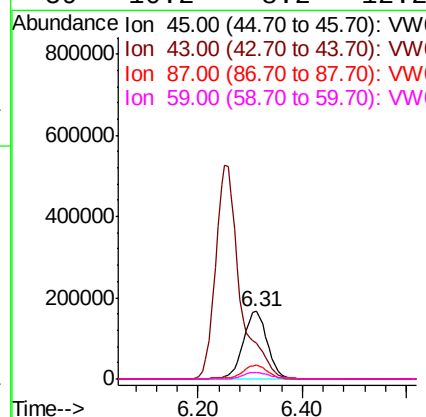
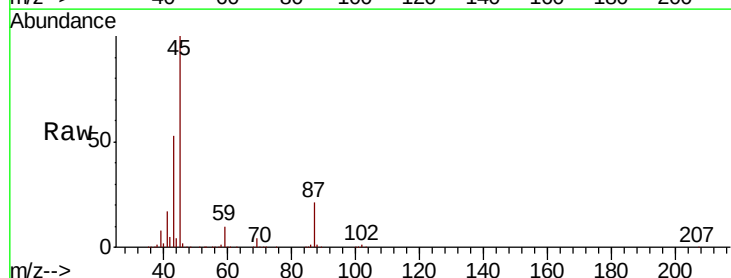
Ion Ratio Lower Upper

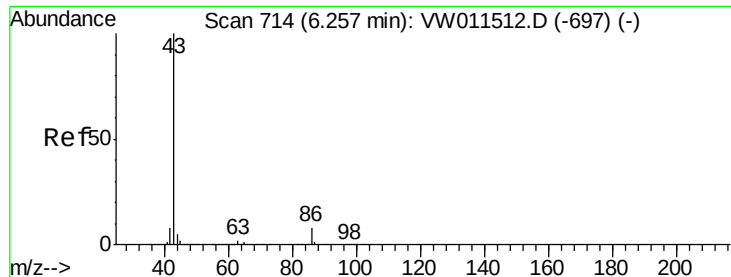
45 100

43 53.1 42.6 63.8

87 21.5 16.4 24.6

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 275.205 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

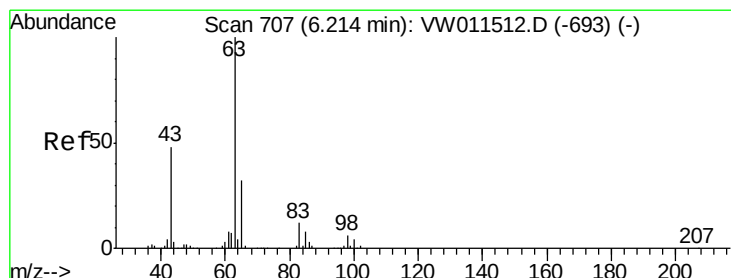
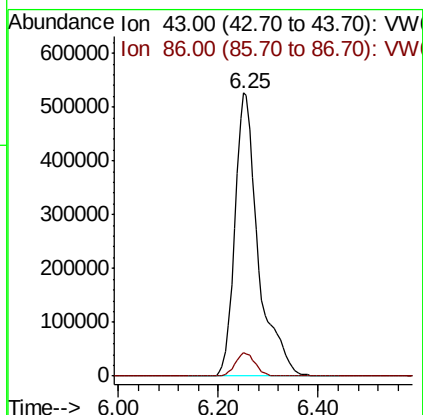
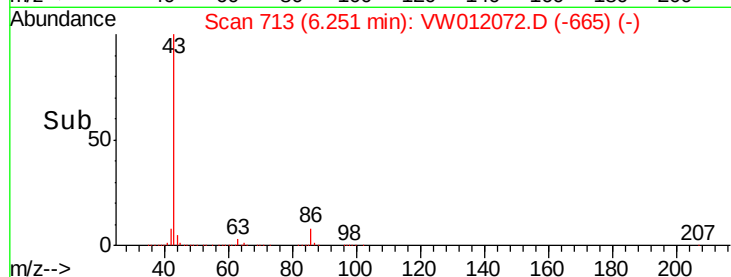
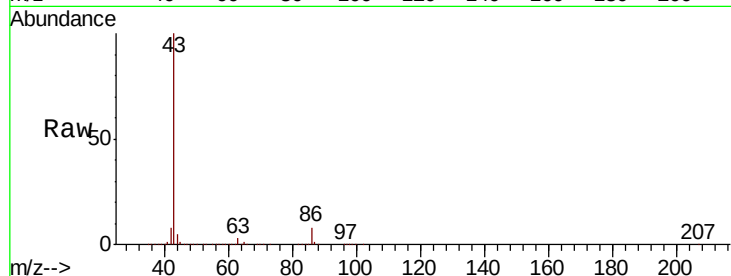
VSTDCCC050EC

Tgt Ion: 43 Resp: 1709462

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 53.941 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

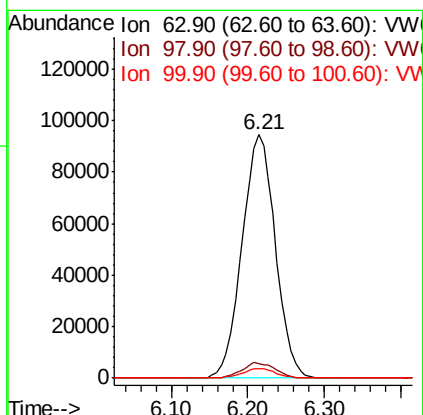
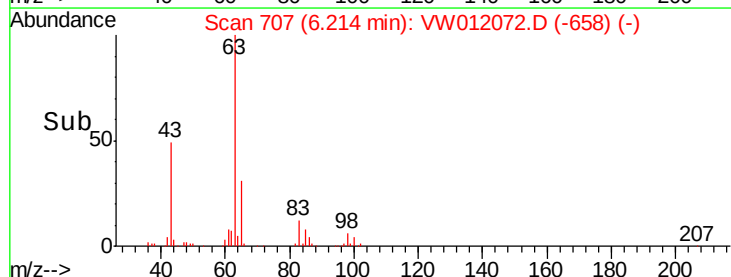
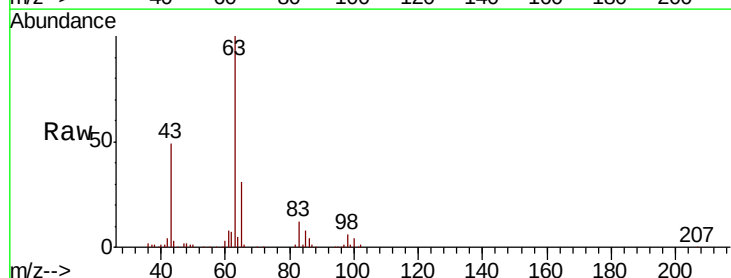
Tgt Ion: 63 Resp: 285583

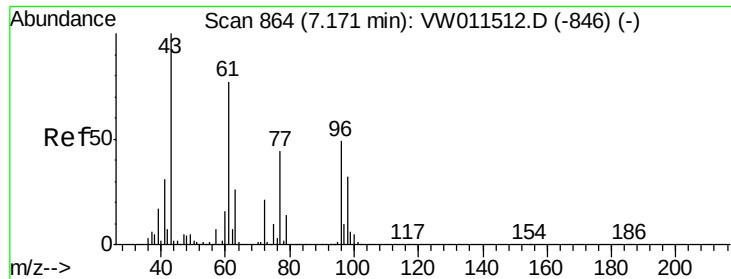
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 246.682 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

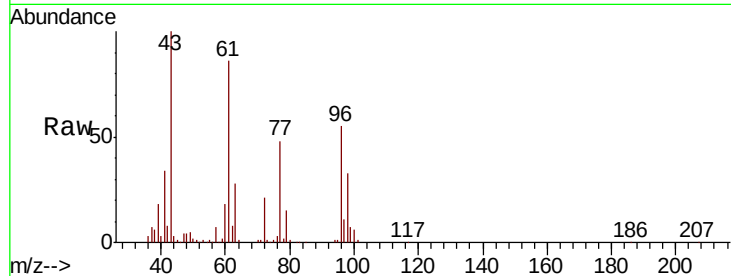
VSTDCCC050EC

Tgt Ion: 43 Resp: 279088

Ion Ratio Lower Upper

43 100

72 21.2 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

120000

100000

80000

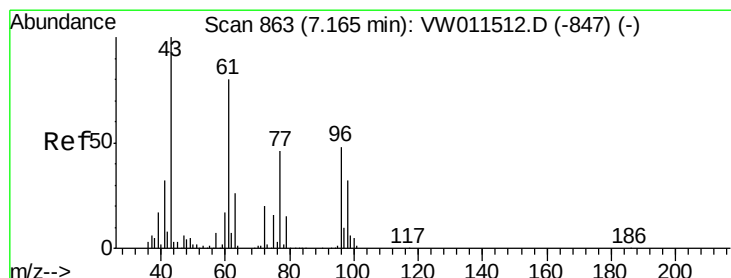
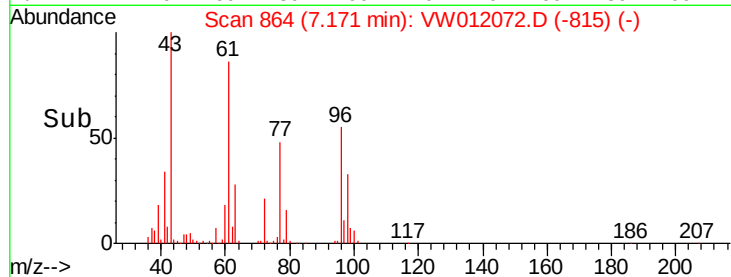
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 47.967 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012072.D

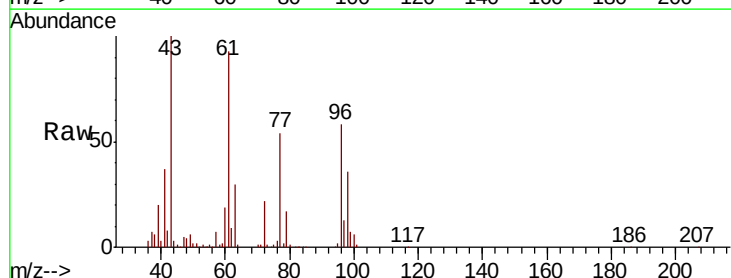
Acq: 21 Aug 2019 15:17

Tgt Ion: 77 Resp: 156178

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

60000

50000

40000

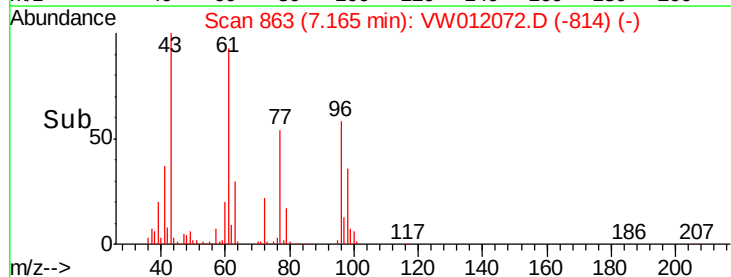
30000

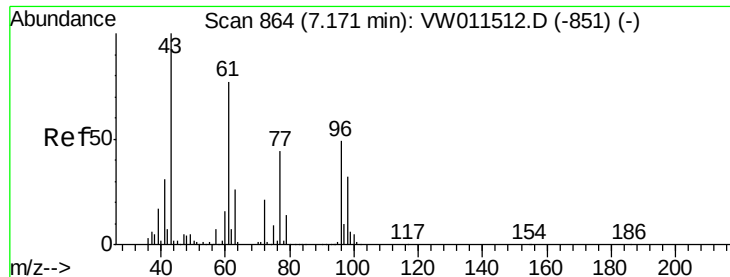
20000

10000

0

Time--> 7.00 7.10 7.20 7.30



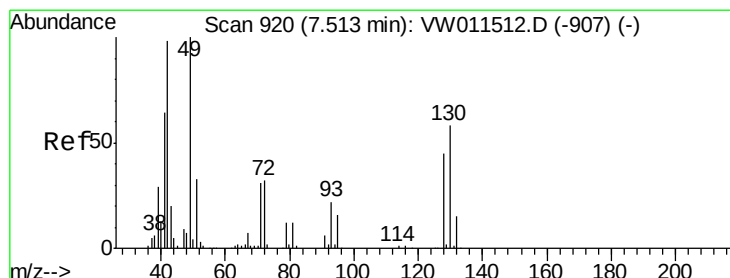
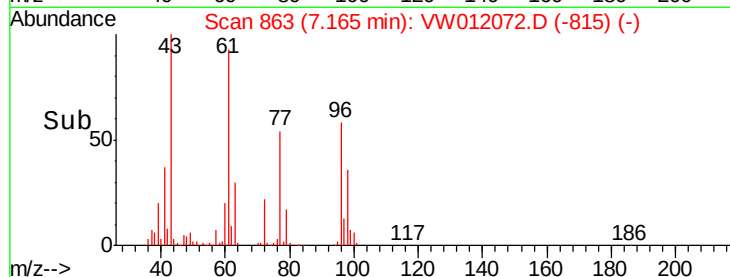
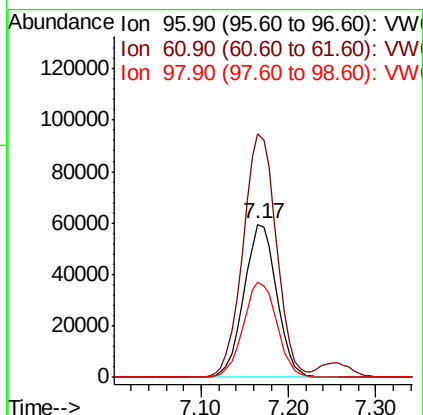
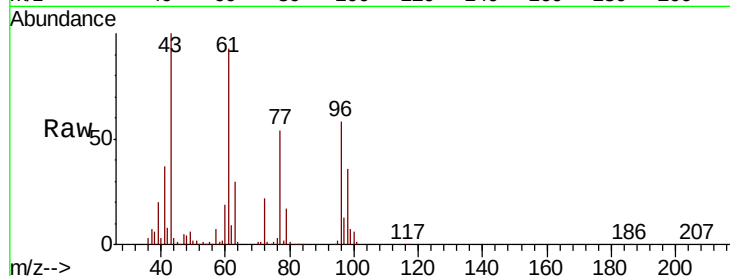


#27

cis-1,2-Dichloroethene
 Concen: 53.034 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

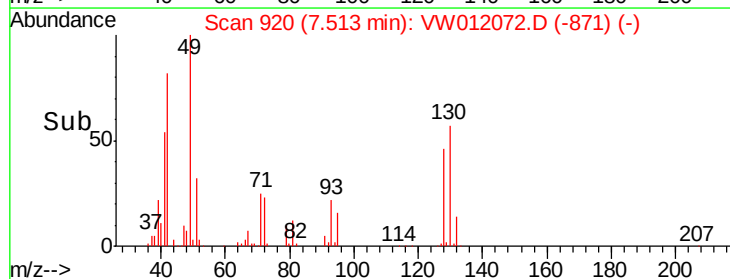
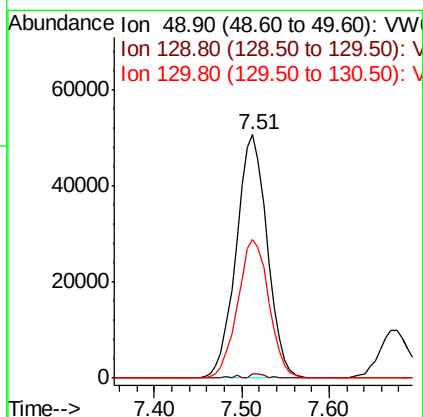
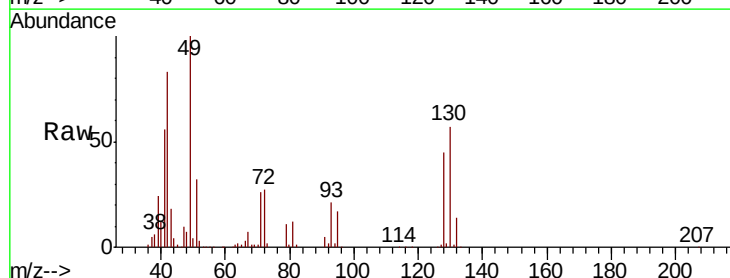
Tgt Ion: 96 Resp: 155129
 Ion Ratio Lower Upper
 96 100
 61 161.9 0.0 328.4
 98 63.8 0.0 128.8

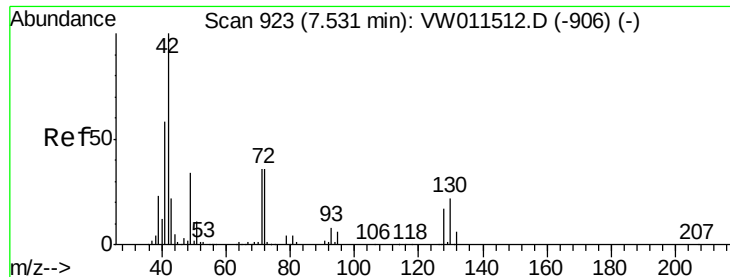


#28

Bromochloromethane
 Concen: 53.208 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 49 Resp: 125038
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.0
 130 57.2 46.3 69.5

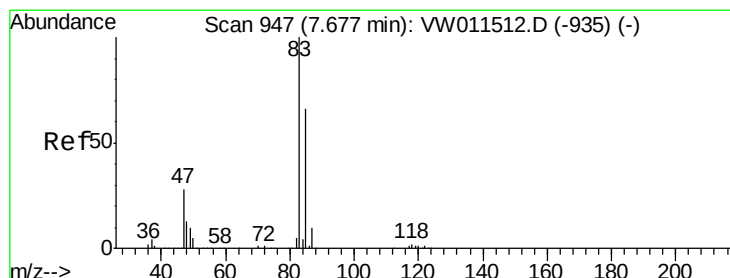
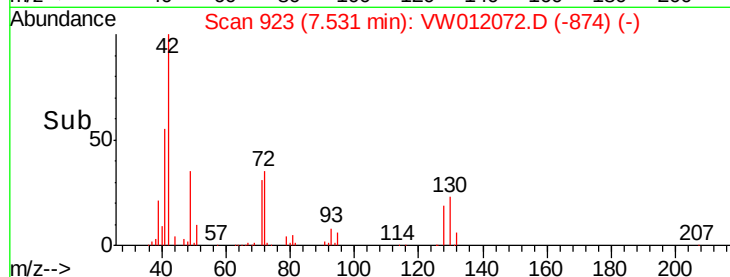
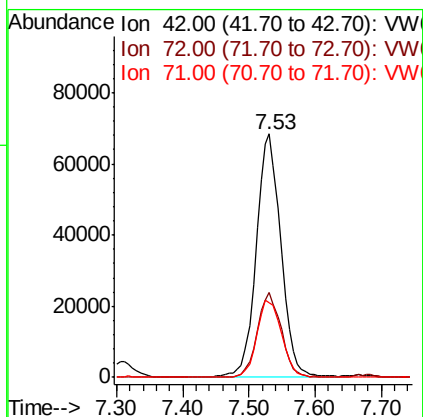
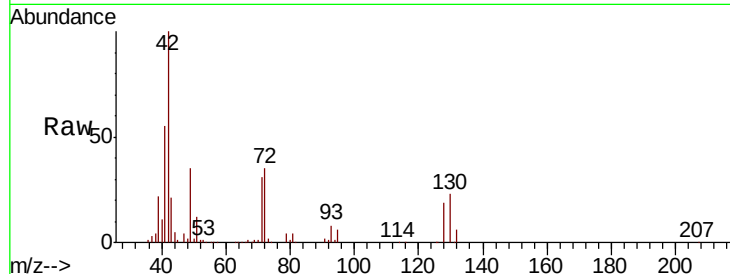




#29
Tetrahydrofuran
Concen: 273.193 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

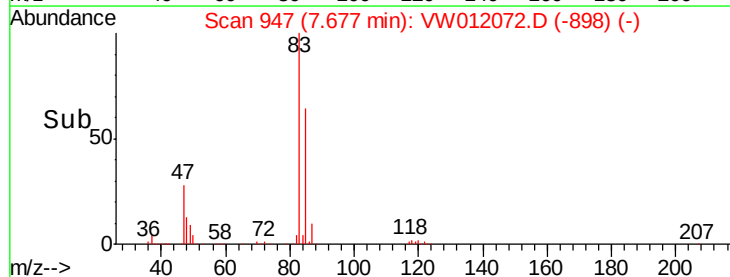
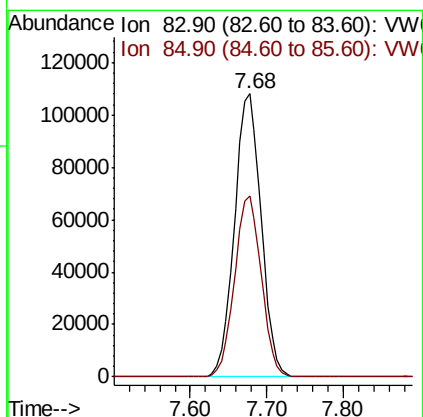
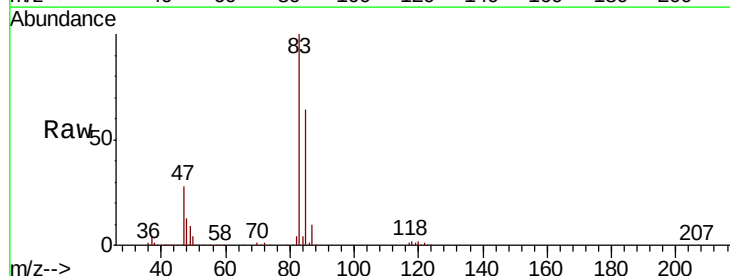
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

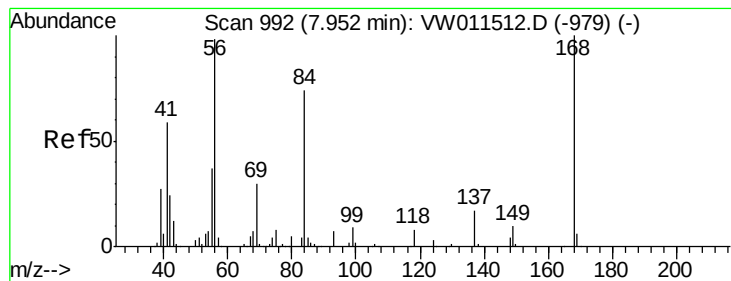
Tgt Ion: 42 Resp: 176674
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 32.2 26.2 39.4



#30
Chloroform
Concen: 53.366 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 83 Resp: 260662
Ion Ratio Lower Upper
83 100
85 63.9 52.5 78.7





#31

Cyclohexane

Concen: 52.048 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

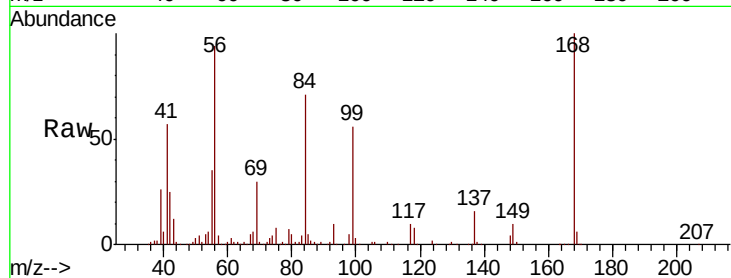
Tgt Ion: 56 Resp: 264512

Ion Ratio Lower Upper

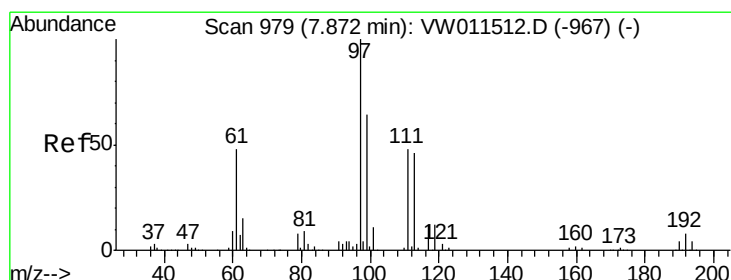
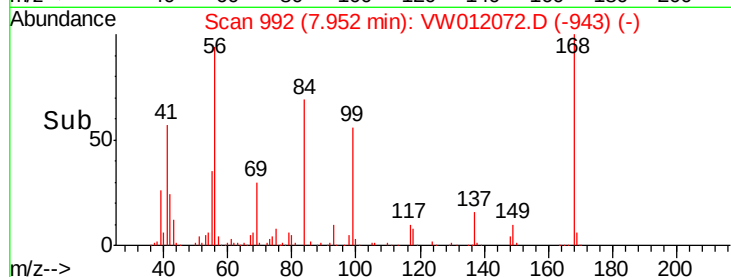
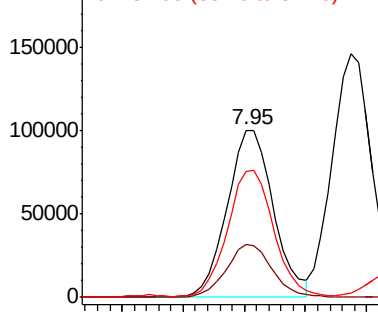
56 100

69 31.7 24.3 36.5

84 74.0 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: 55.326 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

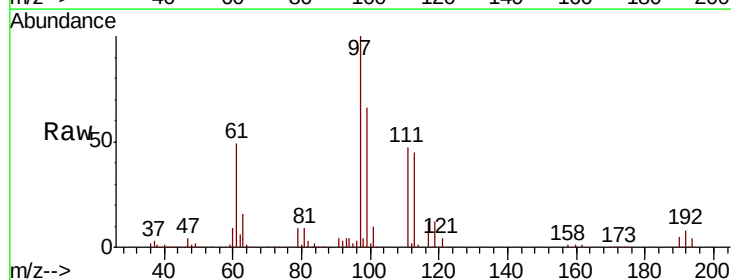
Tgt Ion: 97 Resp: 205801

Ion Ratio Lower Upper

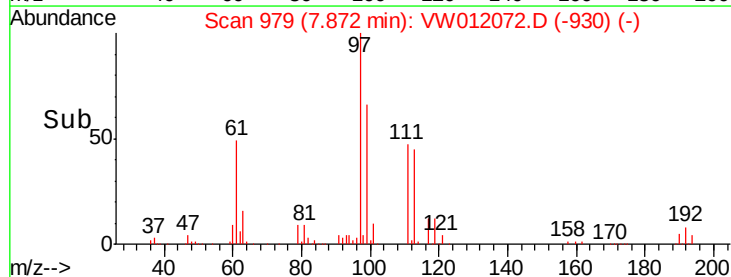
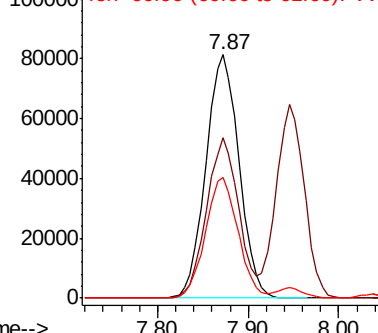
97 100

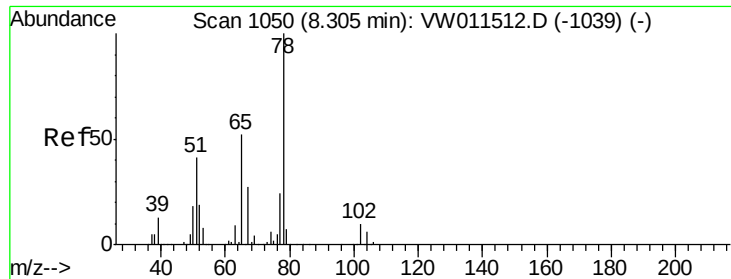
99 64.0 51.0 76.6

61 48.9 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

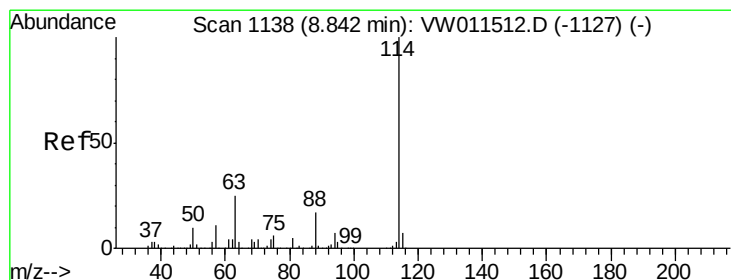
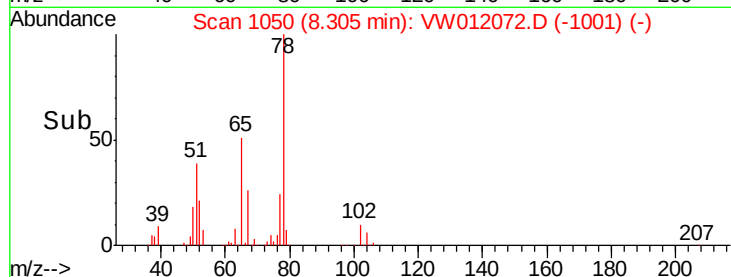
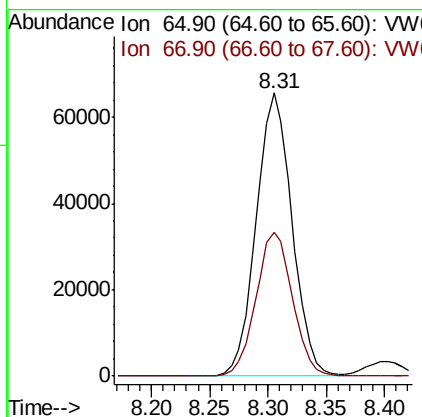
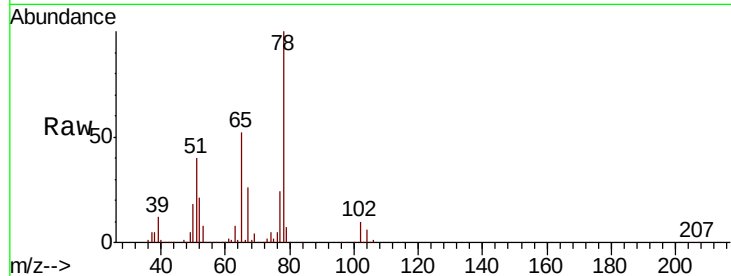




#33
 1,2-Dichloroethane-d4
 Concen: 51.638 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

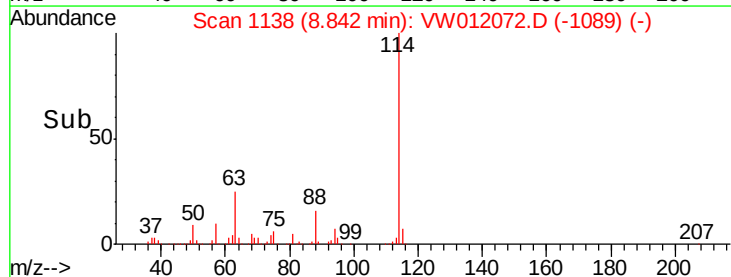
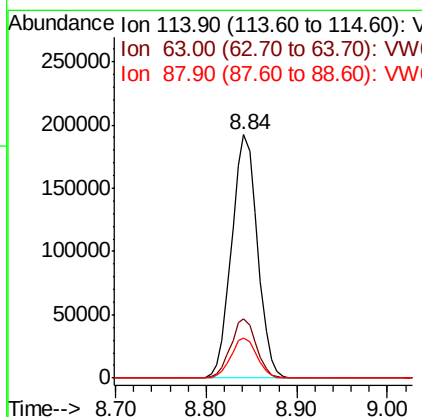
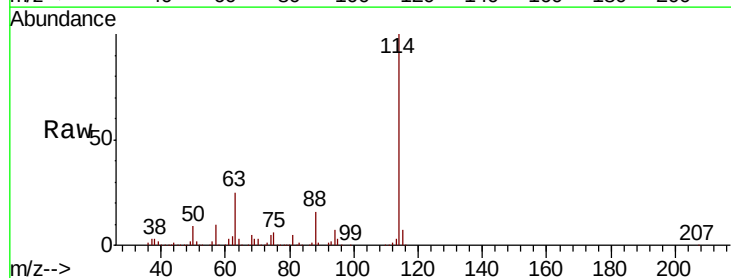
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

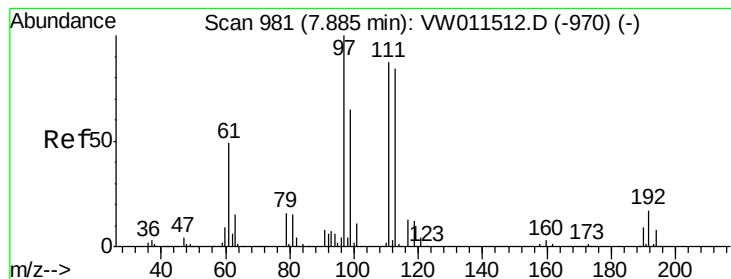
Tgt Ion: 65 Resp: 140356
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 114 Resp: 379641
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.138 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

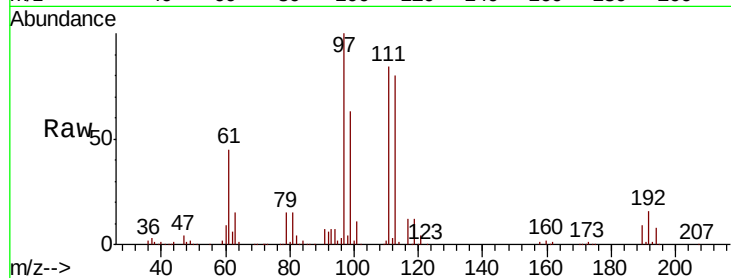
Tgt Ion:113 Resp: 115305

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

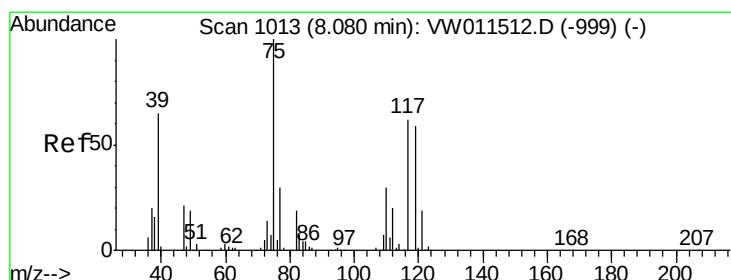
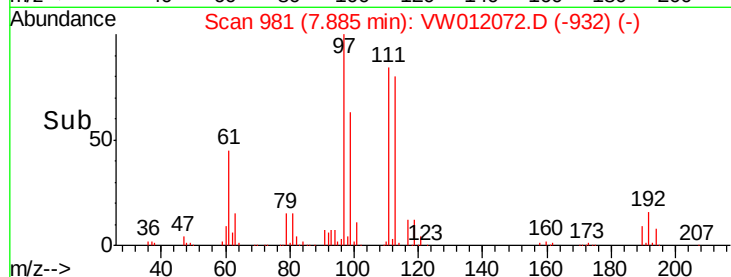
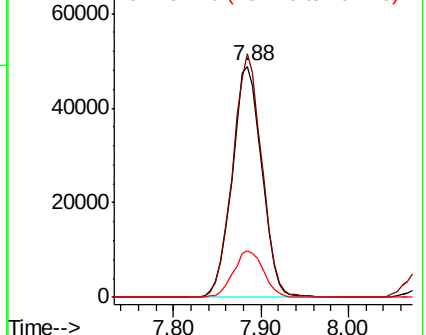
192 20.4 16.1 24.1



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: 55.716 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

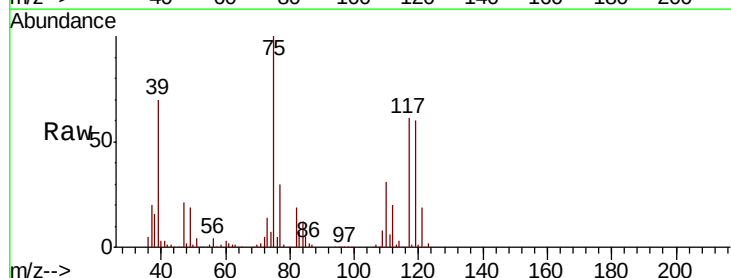
Tgt Ion: 75 Resp: 219942

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

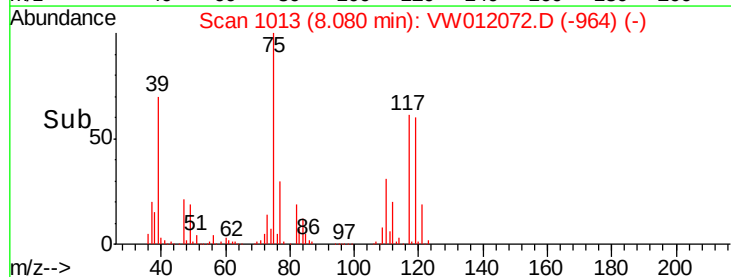
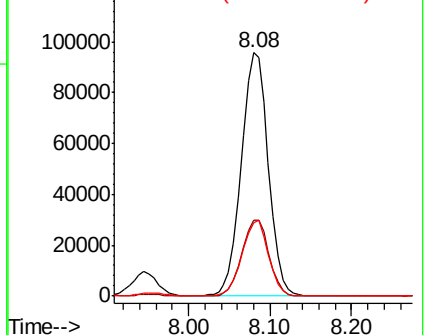
77 30.7 24.3 36.5

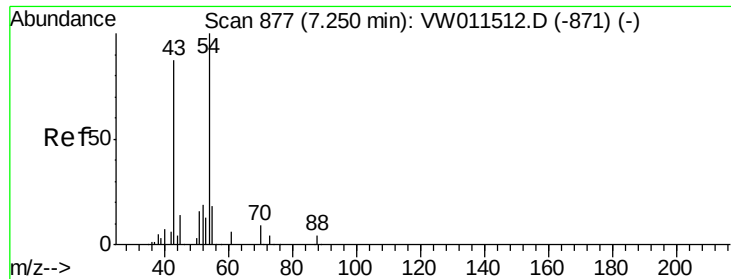


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

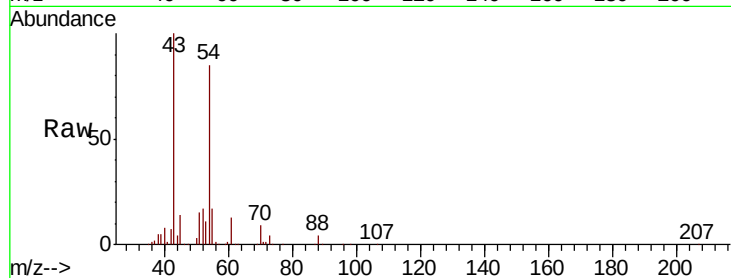




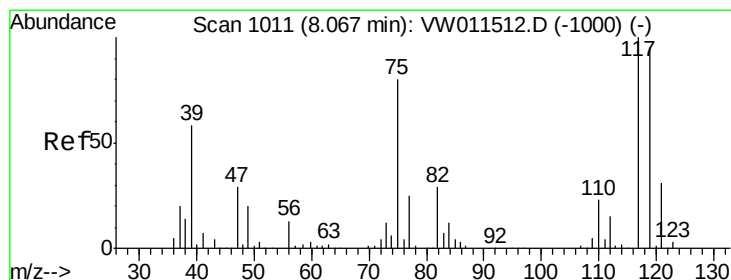
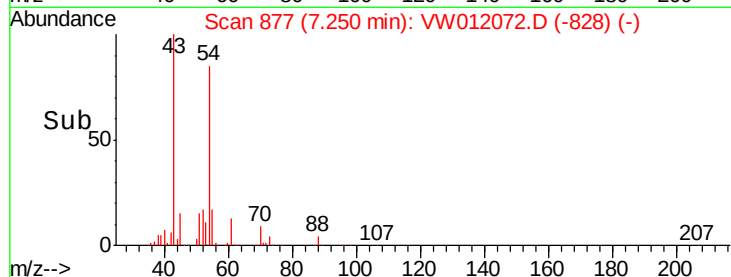
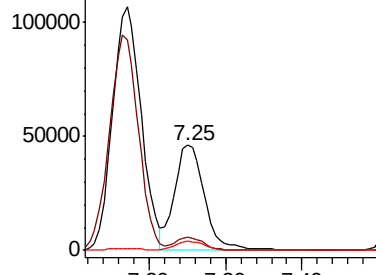
#37
Ethyl Acetate
Concen: 55.474 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 125990
Ion Ratio Lower Upper
43 100
61 11.6 8.8 13.2
70 8.5 7.1 10.7

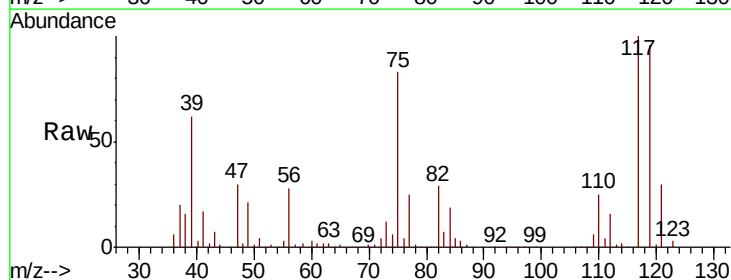


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

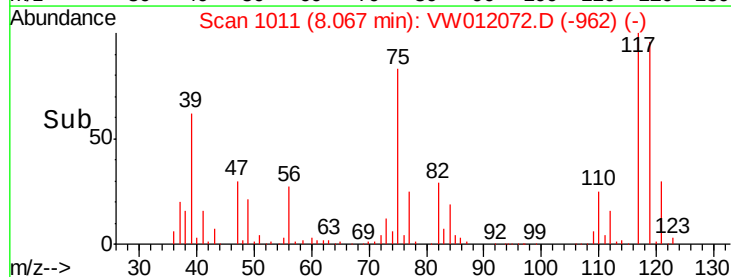
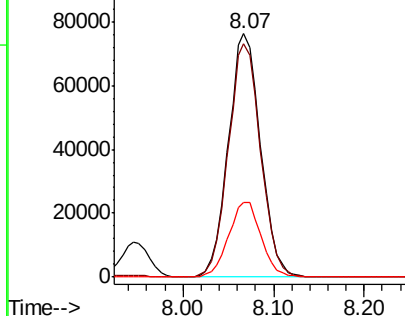


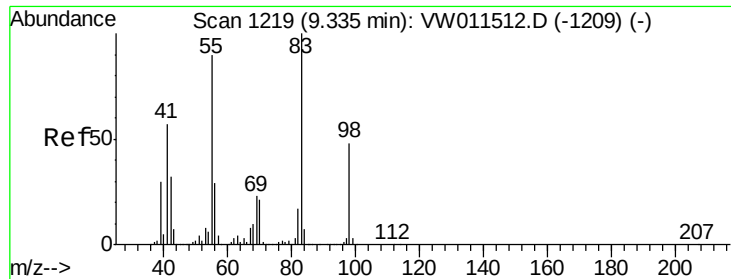
#38
Carbon Tetrachloride
Concen: 55.332 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 117 Resp: 186988
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6
121 30.4 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

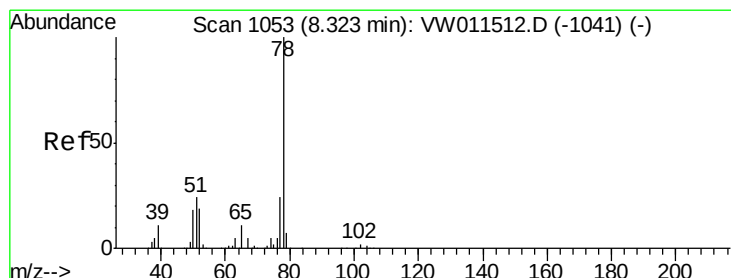
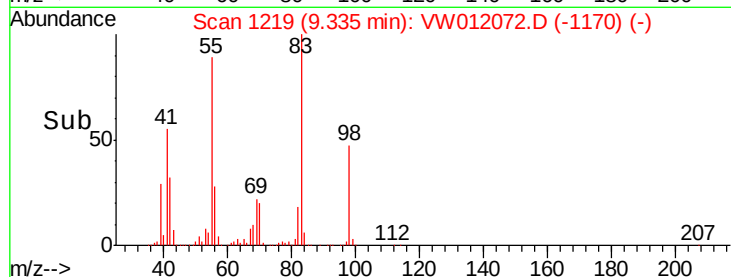
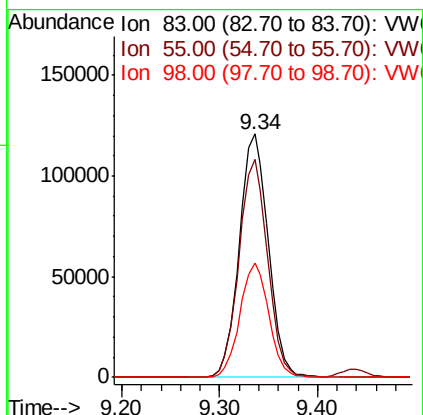
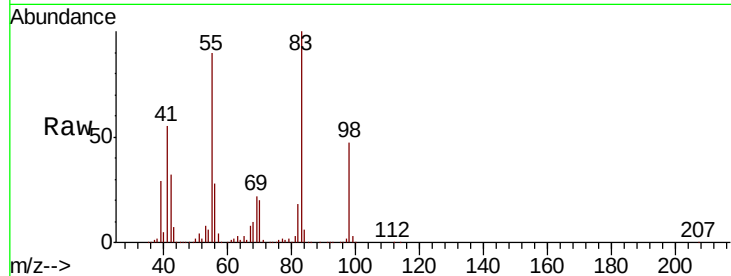




#39
Methylcyclohexane
Concen: 57.122 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

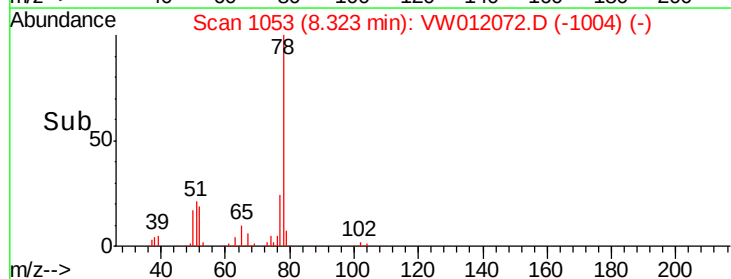
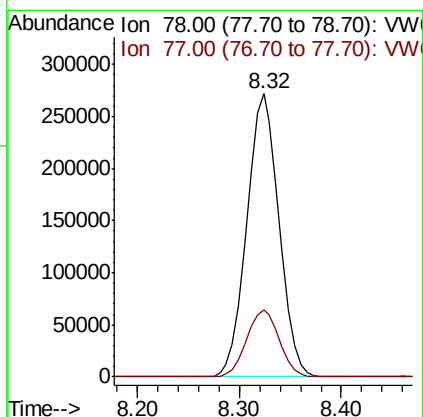
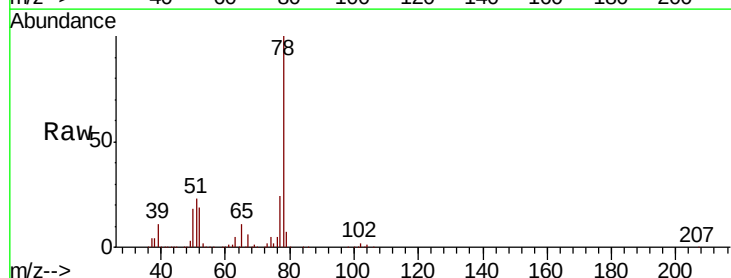
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

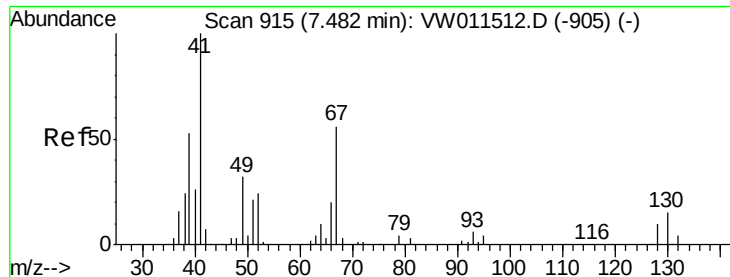
Tgt Ion: 83 Resp: 248293
Ion Ratio Lower Upper
83 100
55 89.6 72.1 108.1
98 46.8 38.6 57.8



#40
Benzene
Concen: 53.995 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 78 Resp: 597041
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

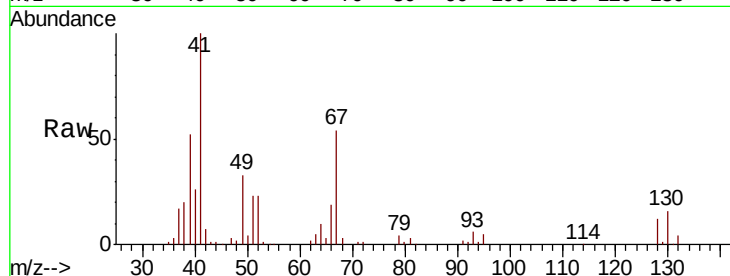




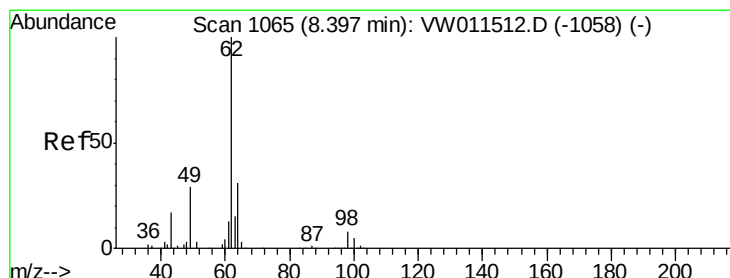
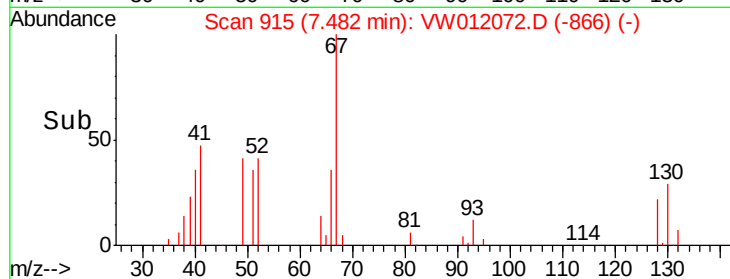
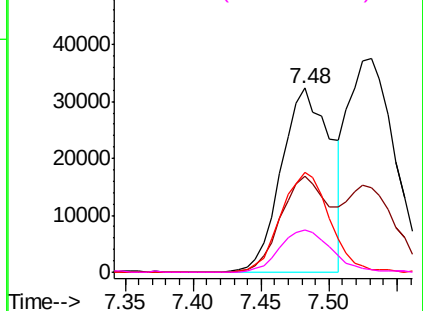
#41
Methacrylonitrile
Concen: 60.223 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	81761
Ion	Ratio	Lower	Upper
41	100		
39	51.7	43.0	64.4
67	53.6	47.5	71.3
52	24.3	21.0	31.6

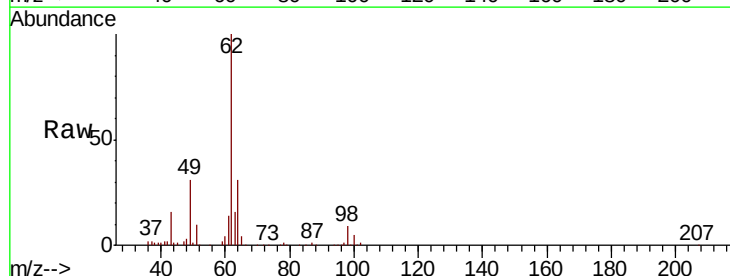


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

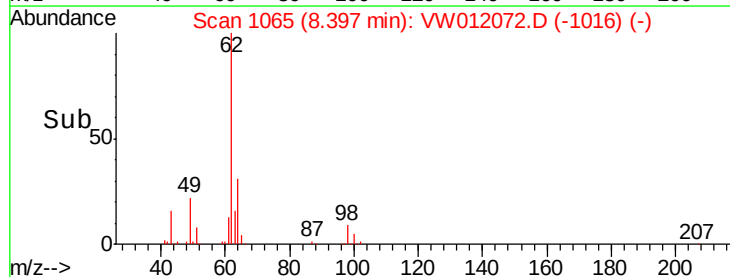
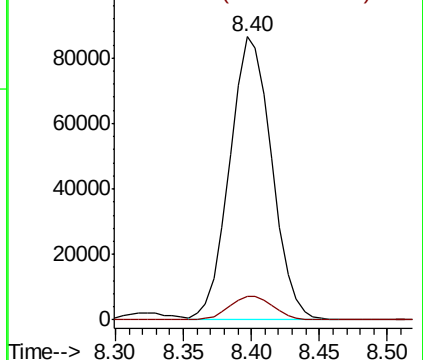


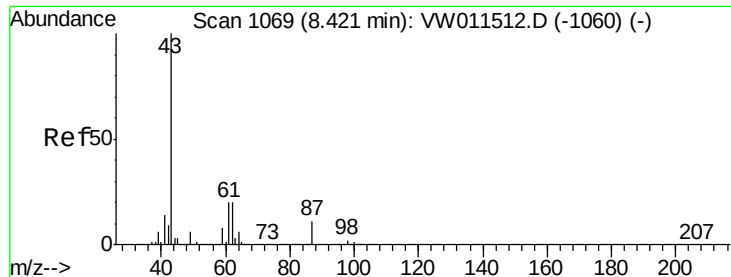
#42
1,2-Dichloroethane
Concen: 53.738 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion:	62	Resp:	186036
Ion	Ratio	Lower	Upper
62	100		
98	8.8	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: 56.128 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

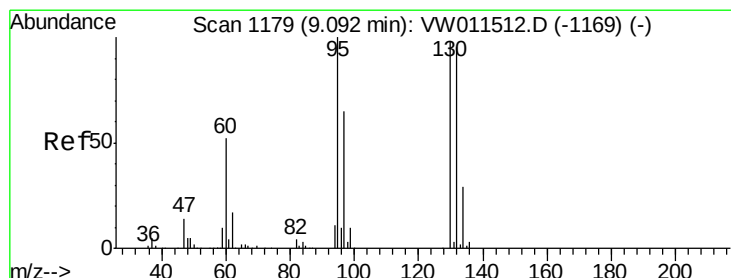
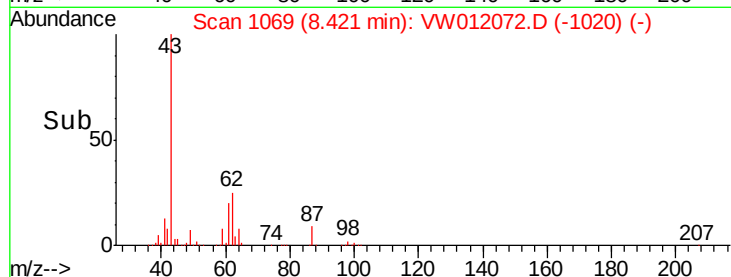
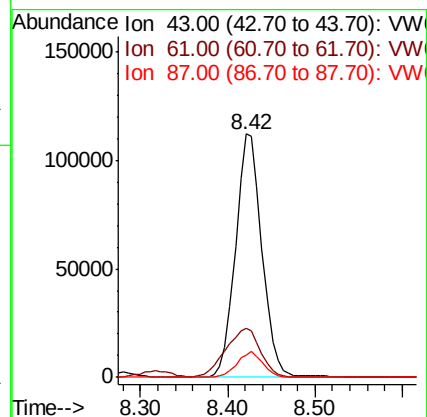
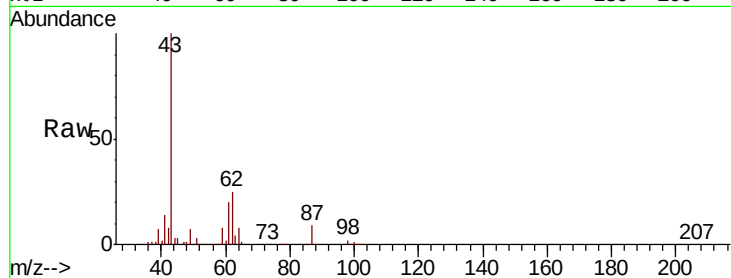
Tgt Ion: 43 Resp: 234436

Ion Ratio Lower Upper

43 100

61 26.7 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 55.124 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012072.D

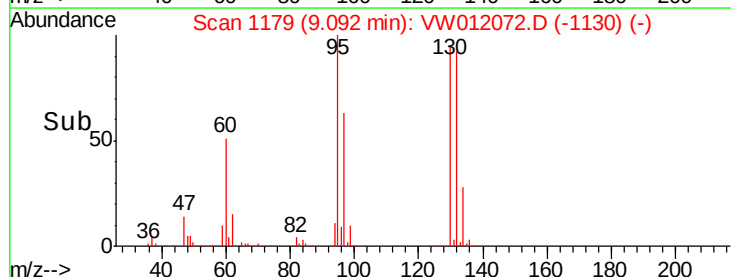
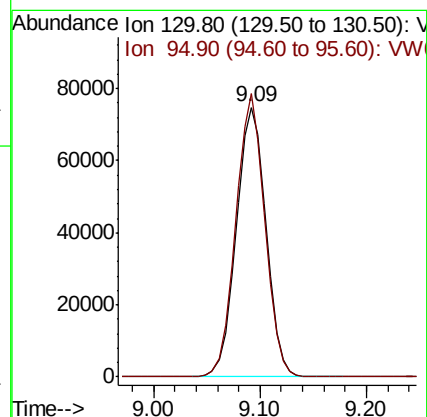
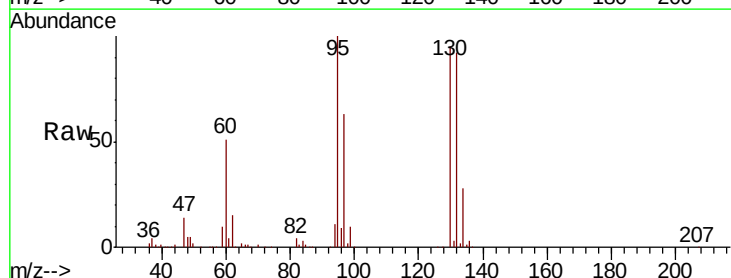
Acq: 21 Aug 2019 15:17

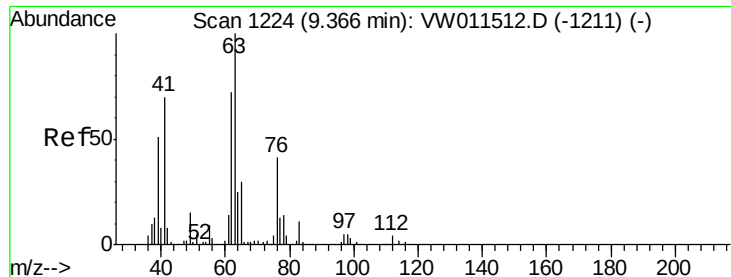
Tgt Ion: 130 Resp: 146498

Ion Ratio Lower Upper

130 100

95 105.0 0.0 204.8

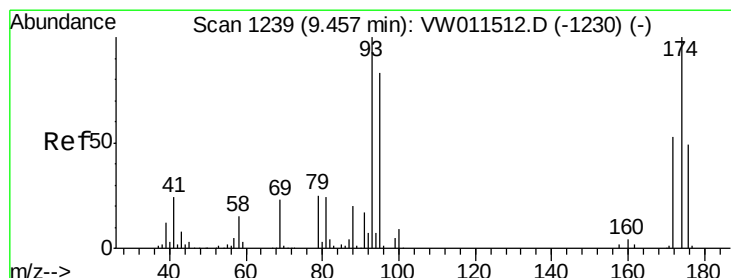
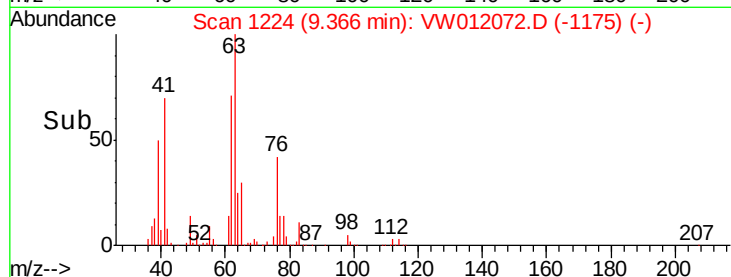
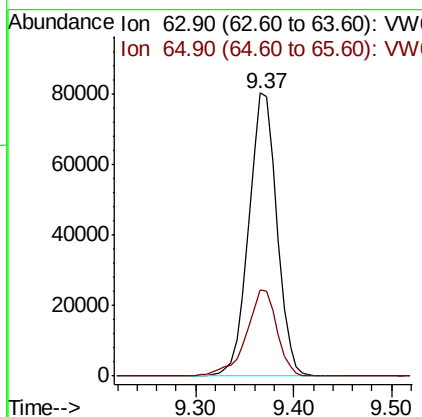
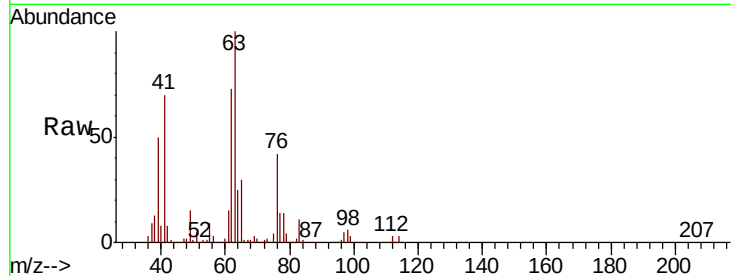




#45
 1,2-Dichloropropane
 Concen: 54.309 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

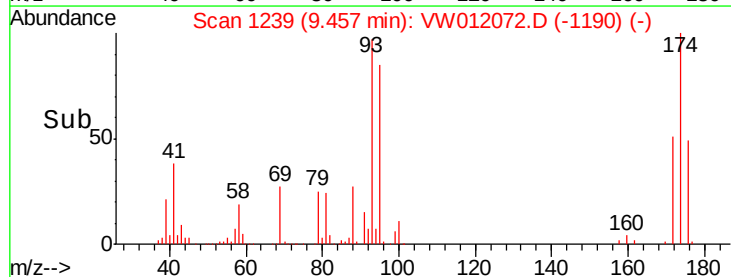
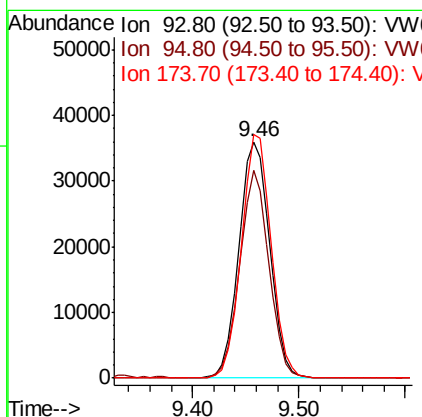
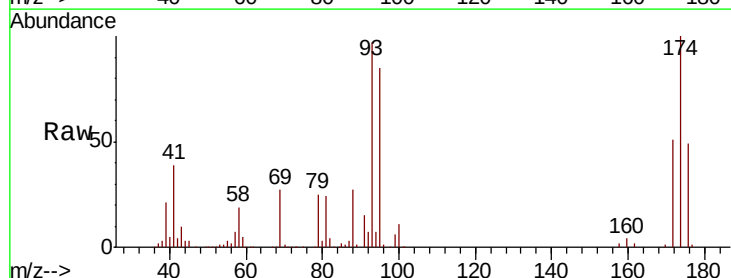
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

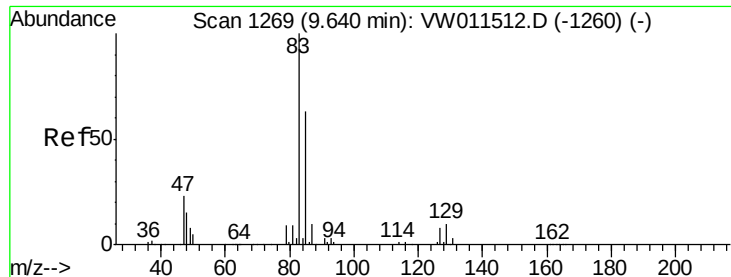
Tgt Ion: 63 Resp: 160678
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.4



#46
 Dibromomethane
 Concen: 54.086 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 93 Resp: 73035
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 99.9 78.2 117.4





#47

Bromodichloromethane

Concen: 54.352 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

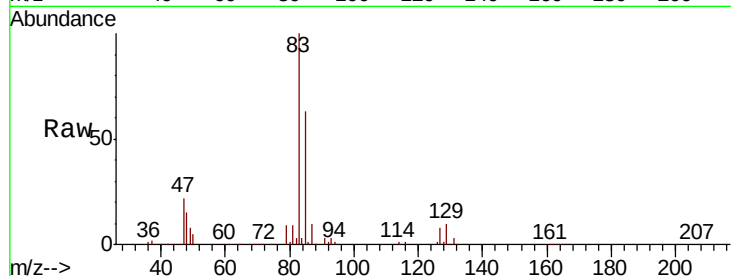
Tgt Ion: 83 Resp: 192524

Ion Ratio Lower Upper

83 100

85 63.3 50.5 75.7

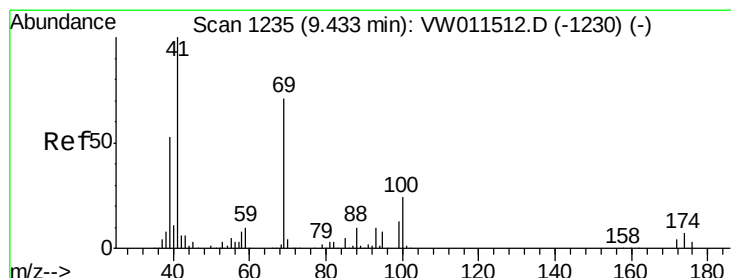
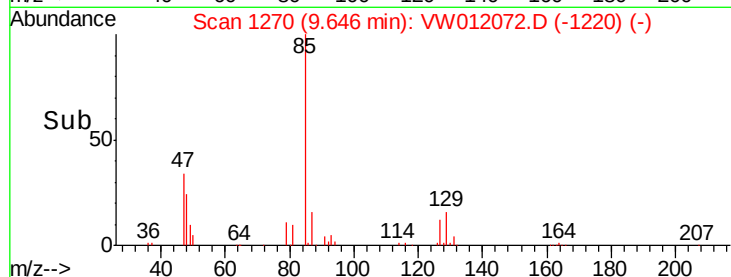
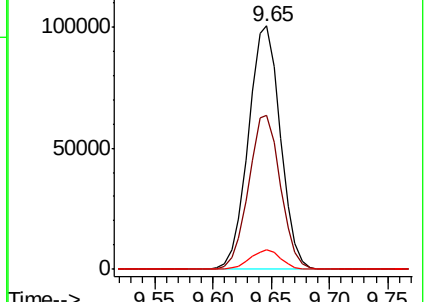
127 7.8 6.4 9.6



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: 55.589 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

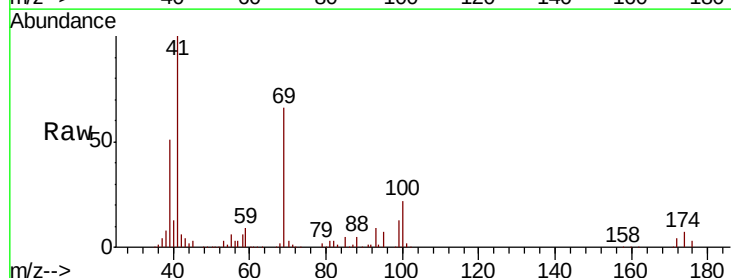
Tgt Ion: 41 Resp: 111533

Ion Ratio Lower Upper

41 100

69 72.5 57.1 85.7

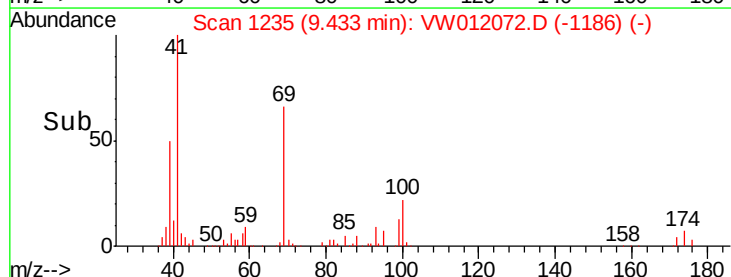
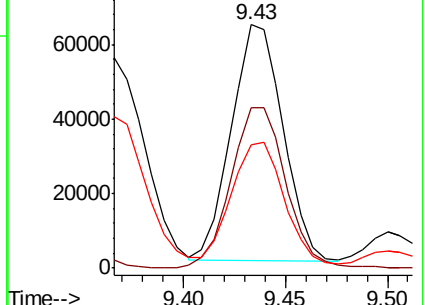
39 56.6 45.4 68.2

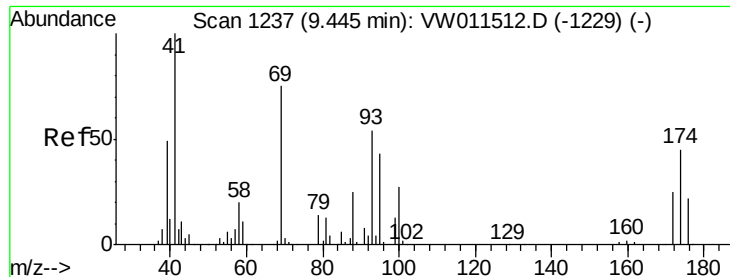


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1122.070 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

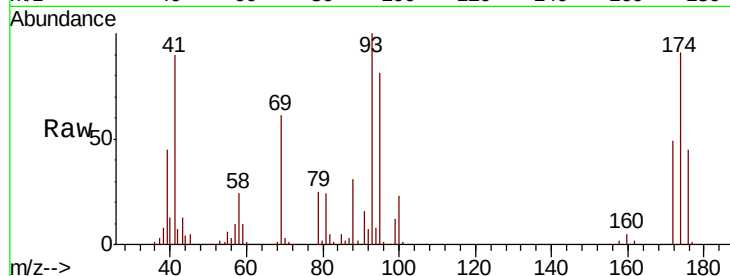
Tgt Ion: 88 Resp: 21939

Ion Ratio Lower Upper

88 100

43 39.3 34.0 51.0

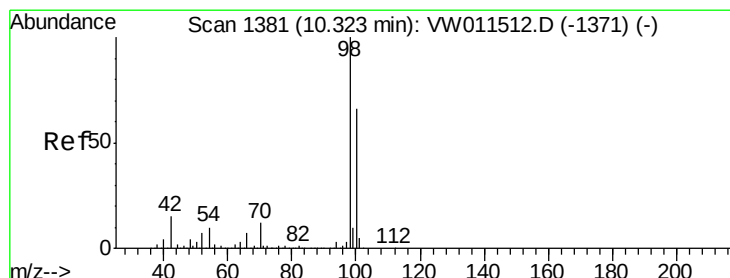
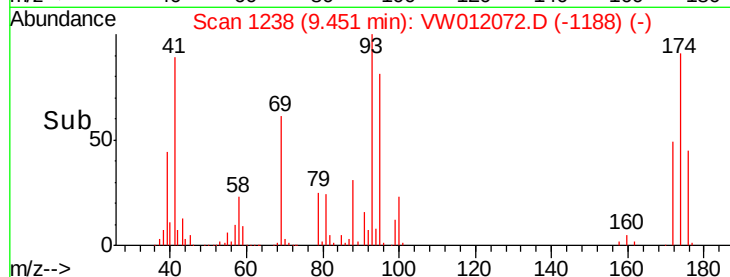
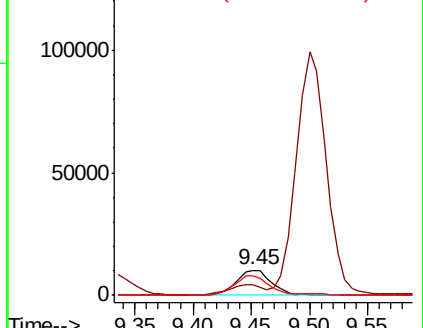
58 78.5 69.7 104.5



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: 53.134 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012072.D

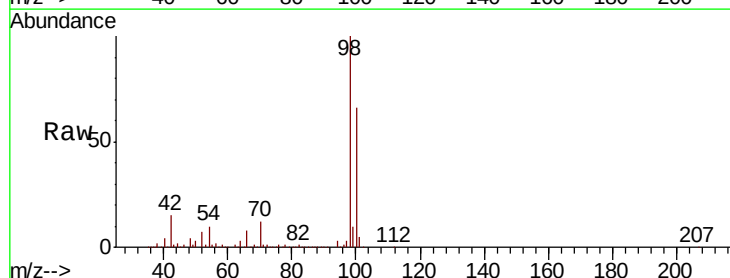
Acq: 21 Aug 2019 15:17

Tgt Ion: 98 Resp: 463342

Ion Ratio Lower Upper

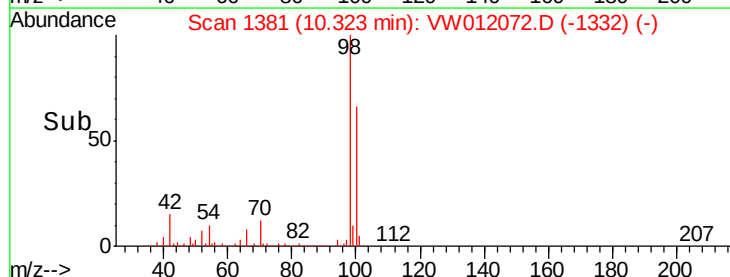
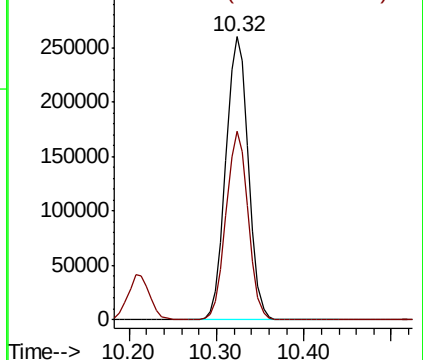
98 100

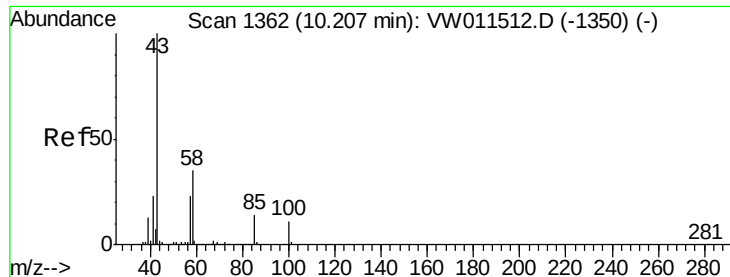
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

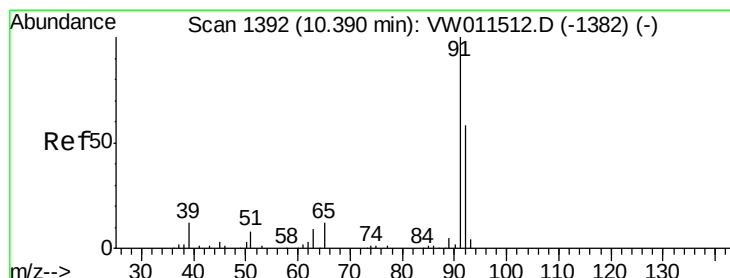
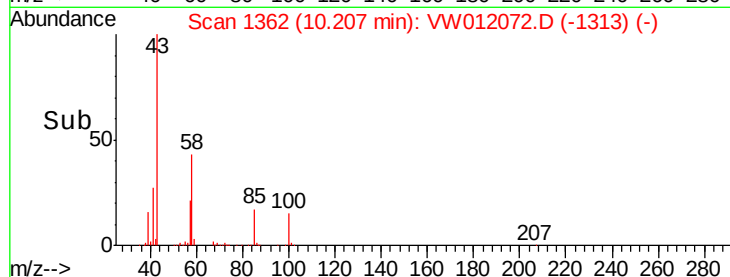
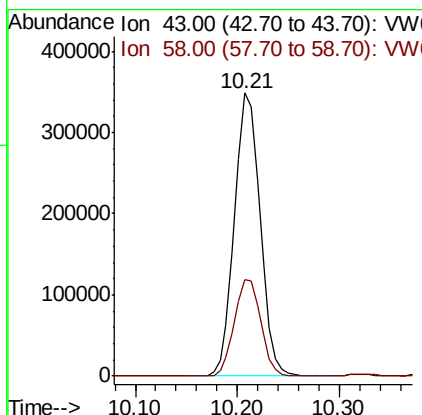
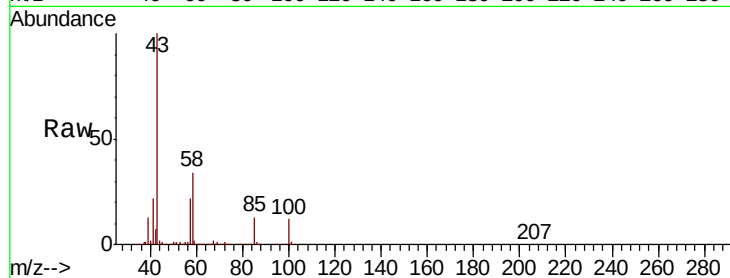




#51
 4-Methyl-2-Pentanone
 Concen: 279.582 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

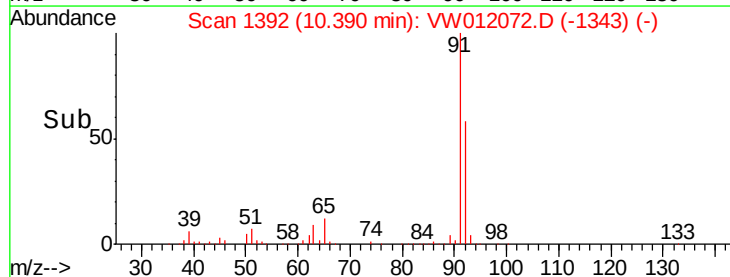
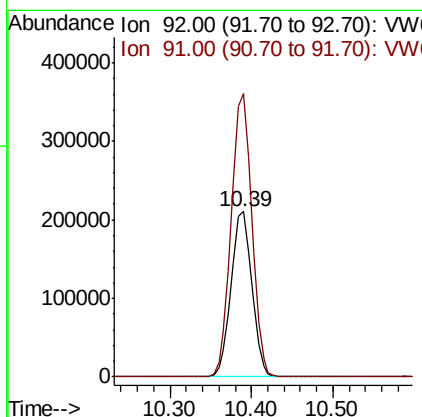
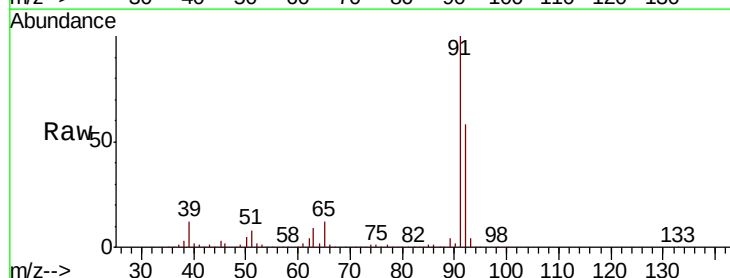
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

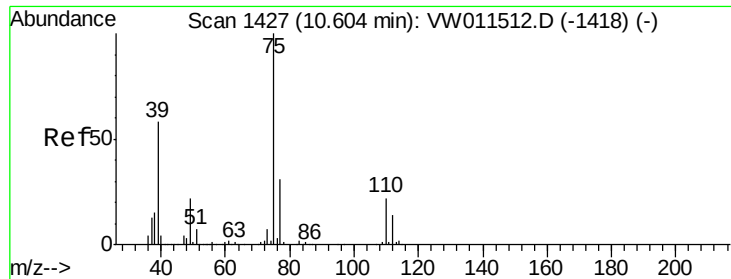
Tgt Ion: 43 Resp: 607409
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.2 42.2



#52
 Toluene
 Concen: 54.957 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 92 Resp: 366978
 Ion Ratio Lower Upper
 92 100
 91 170.3 136.7 205.1

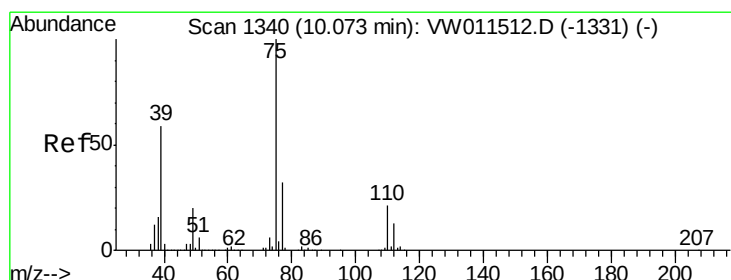
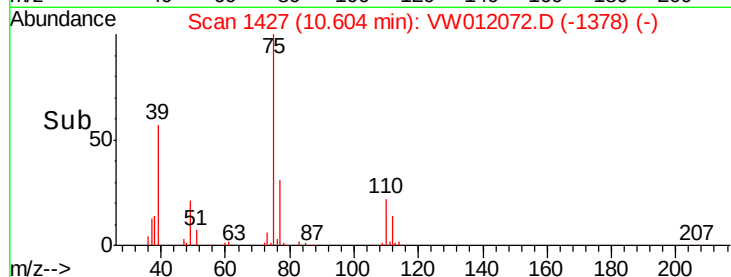
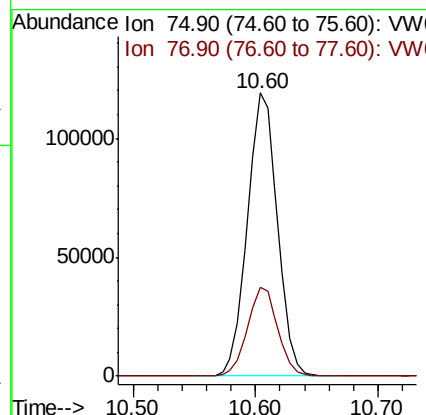
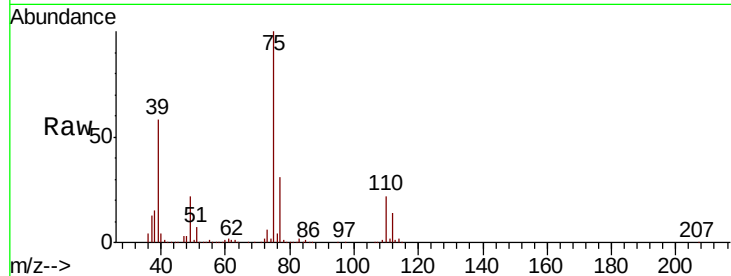




#53
 t-1,3-Dichloropropene
 Concen: 54.907 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

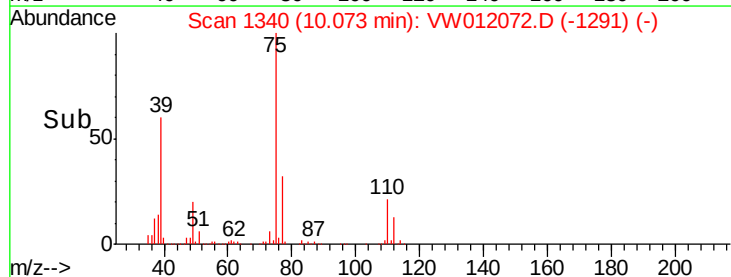
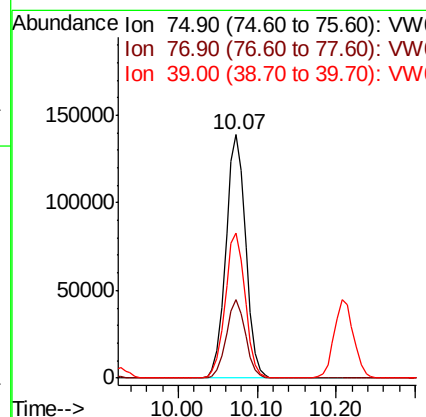
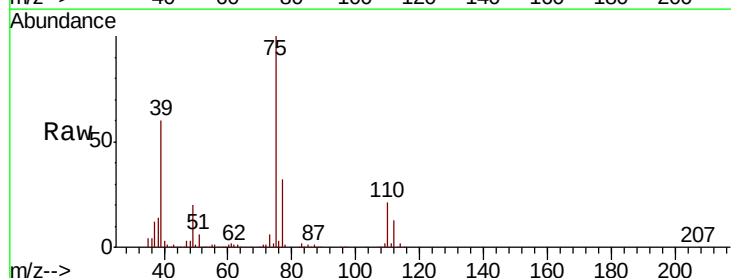
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

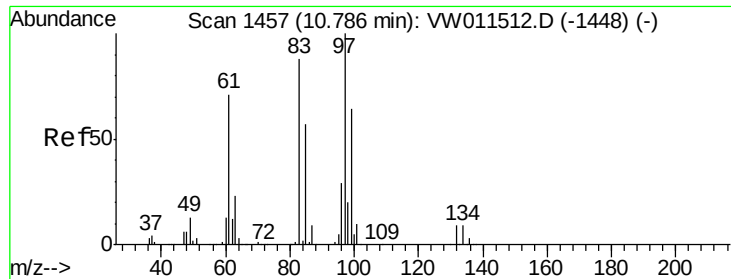
Tgt Ion: 75 Resp: 203165
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.950 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 75 Resp: 241750
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4
 39 59.7 47.0 70.4

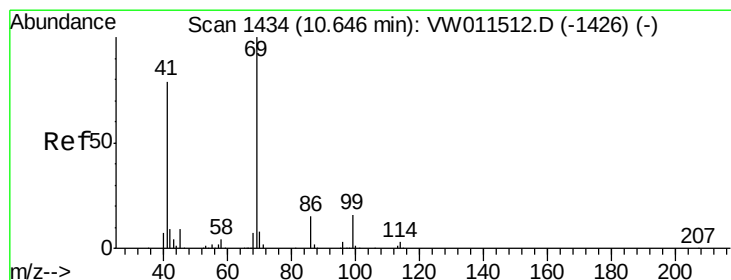
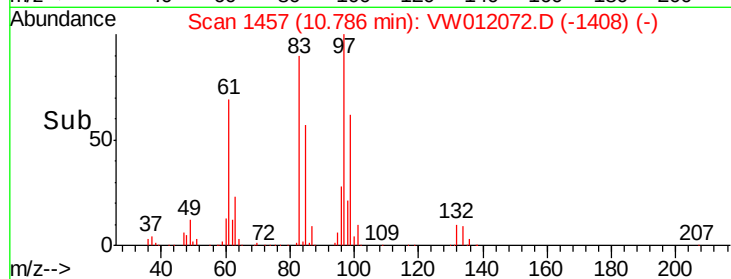
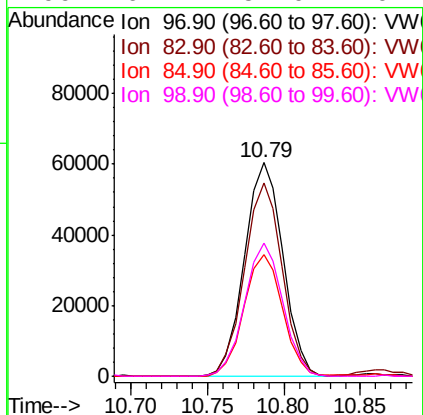
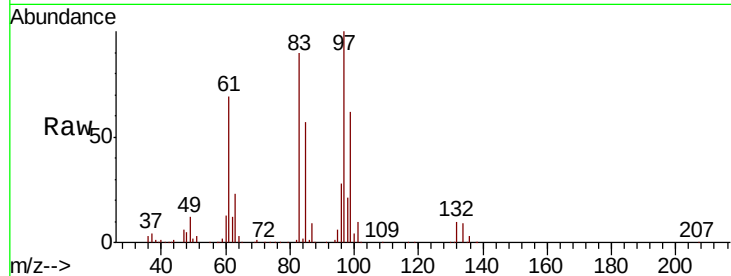




#55
 1,1,2-Trichloroethane
 Concen: 55.380 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

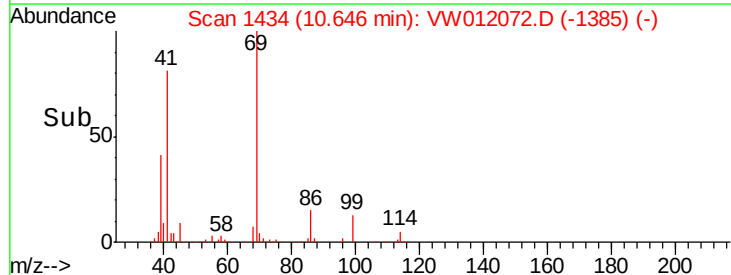
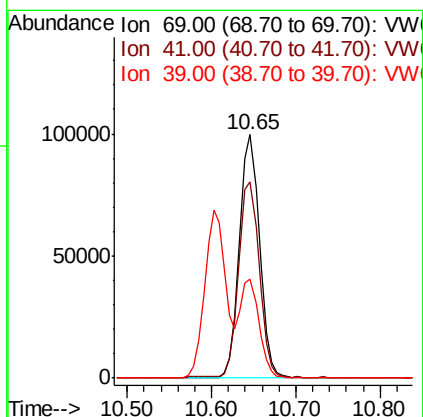
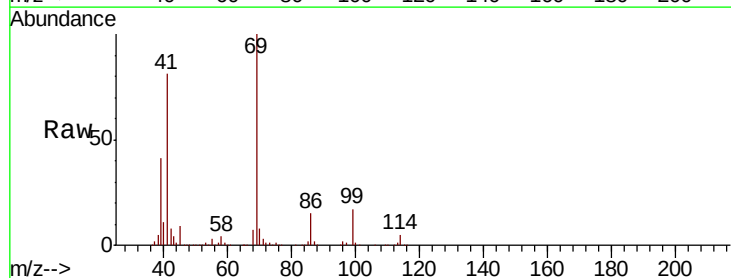
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

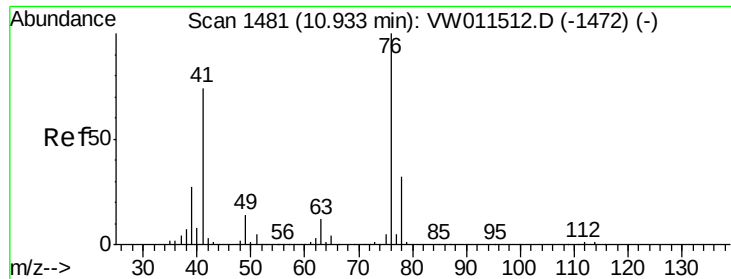
Tgt Ion:	97	Resp:	106105
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.5	105.7
85	57.0	45.8	68.6
99	62.2	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 57.076 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion:	69	Resp:	160022
Ion	Ratio	Lower	Upper
69	100		
41	81.7	66.6	99.8
39	37.6	30.3	45.5

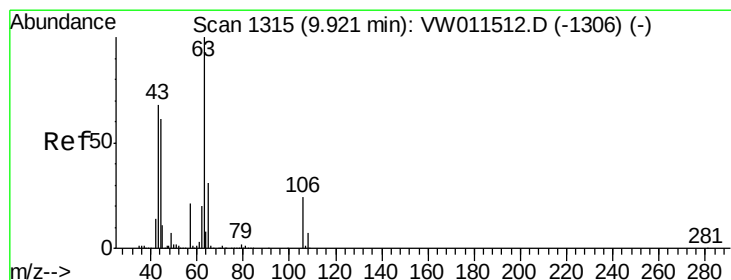
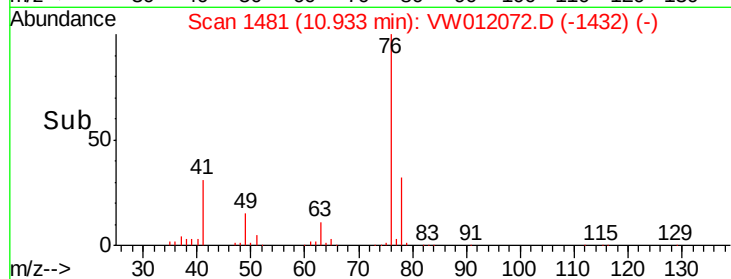
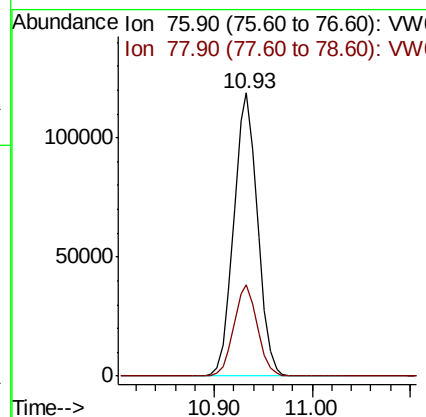
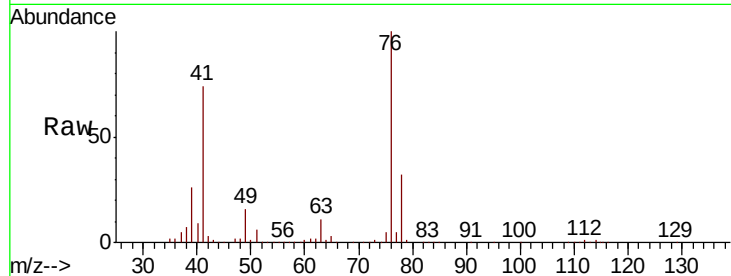




#57
 1,3-Dichloropropane
 Concen: 54.983 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

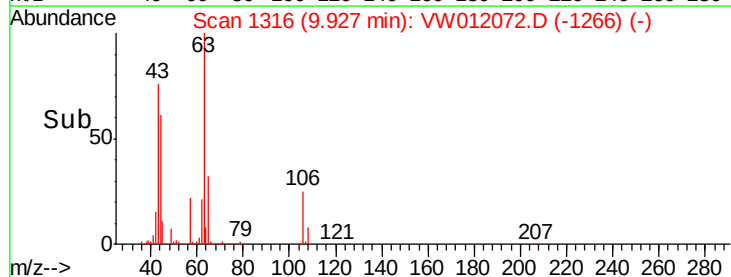
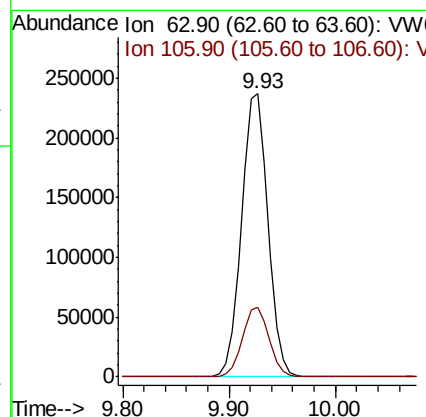
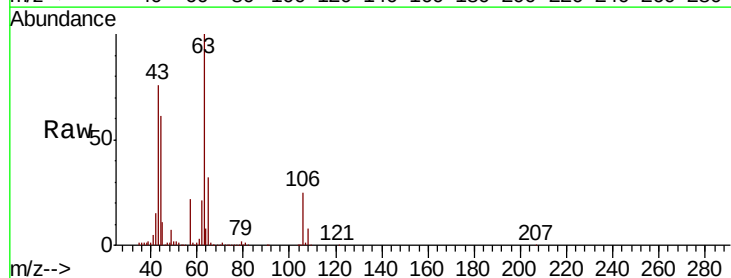
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

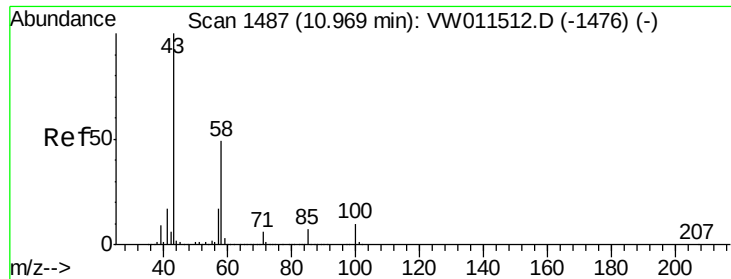
Tgt Ion: 76 Resp: 199303
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 324.450 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 63 Resp: 413015
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

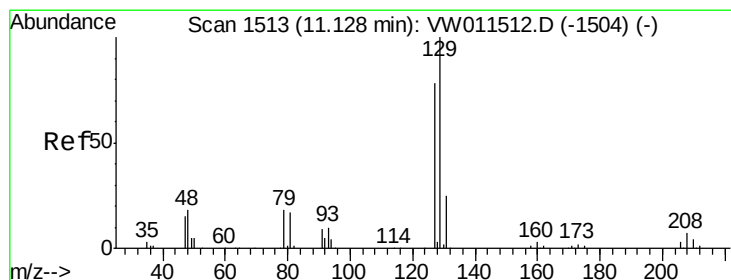
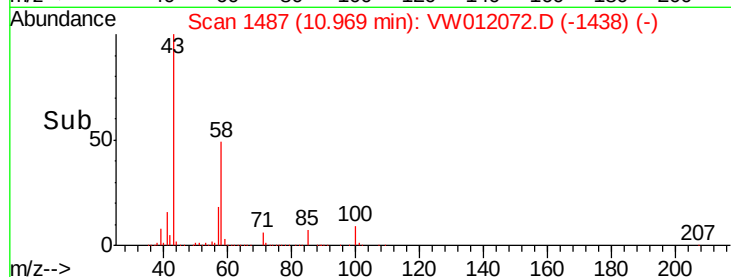
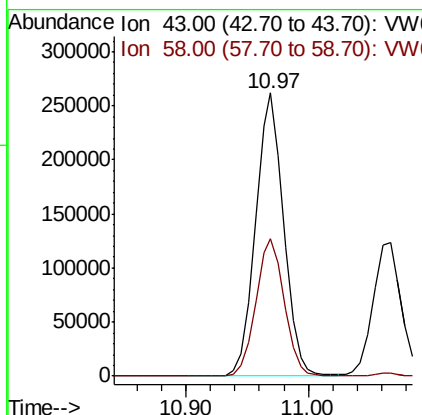
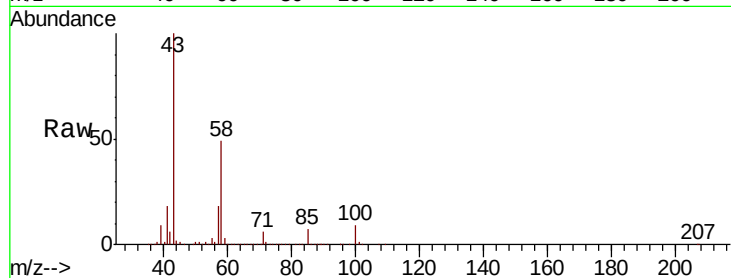




#59
2-Hexanone
Concen: 272.899 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

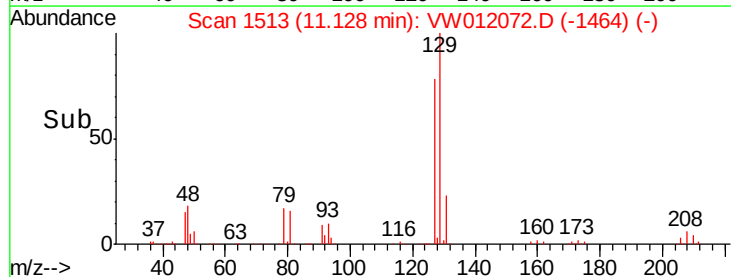
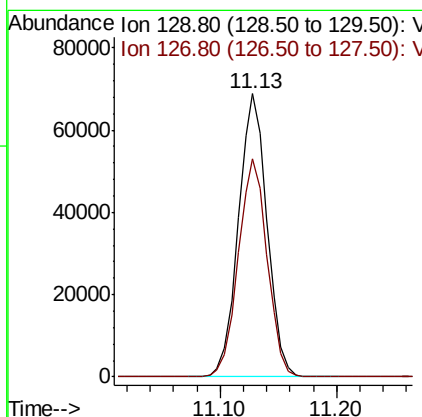
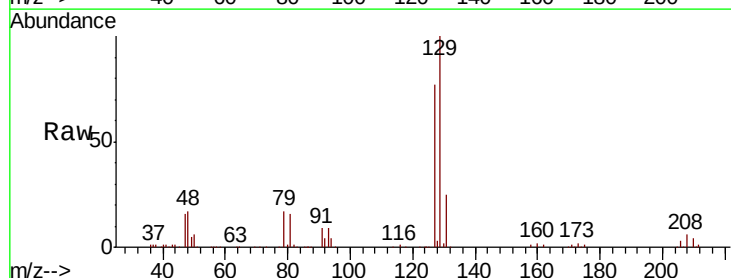
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

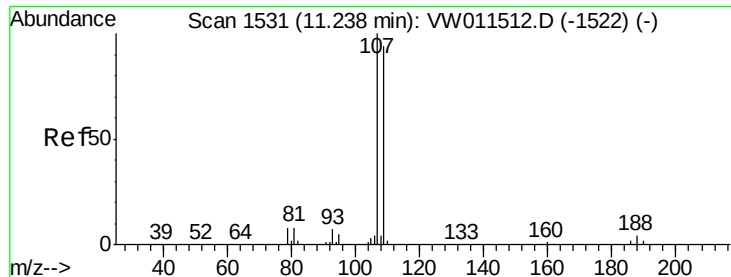
Tgt Ion: 43 Resp: 418619
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9



#60
Dibromochloromethane
Concen: 55.326 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 129 Resp: 117664
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 55.296 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

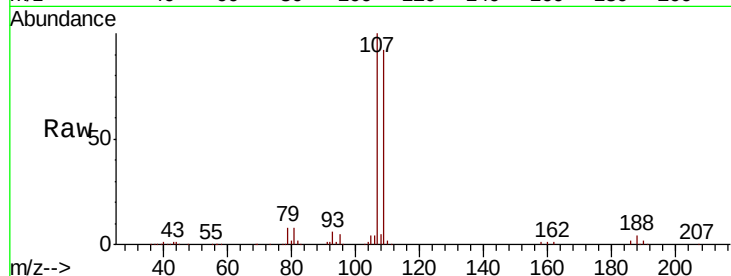
VSTDCCC050EC

Tgt Ion: 107 Resp: 100259

Ion Ratio Lower Upper

107 100

109 92.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

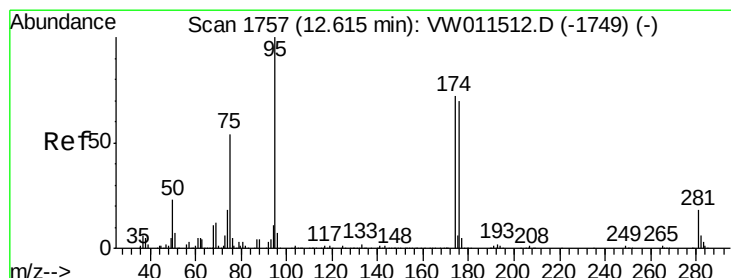
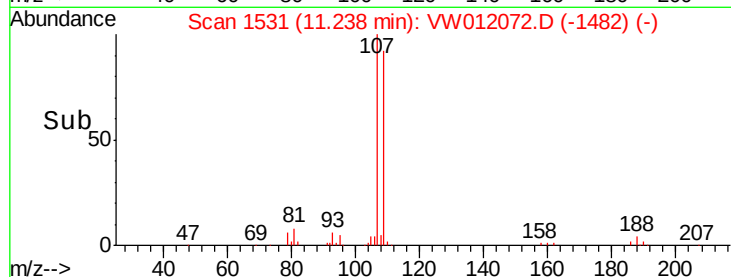
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.182 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

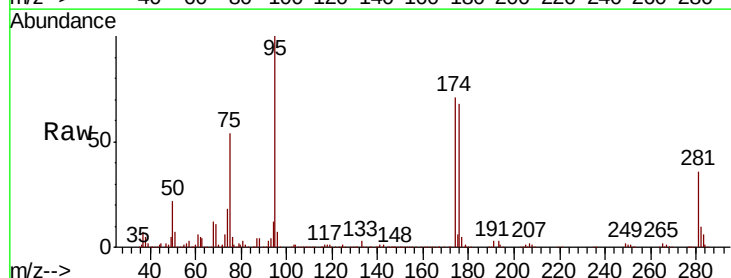
Tgt Ion: 95 Resp: 165339

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.2

176 74.0 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

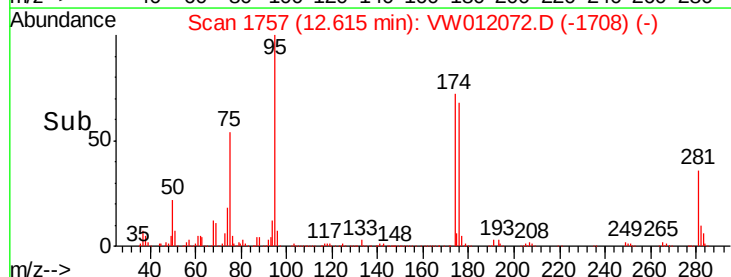
12.62

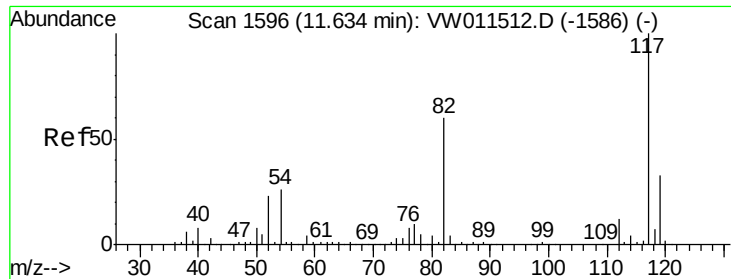
100000

50000

0

Time-->

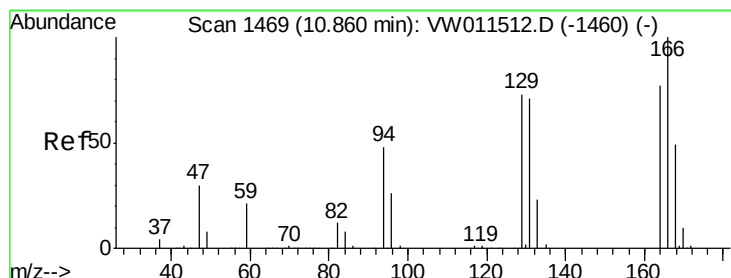
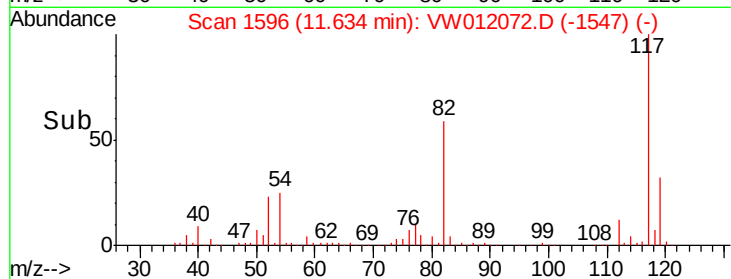
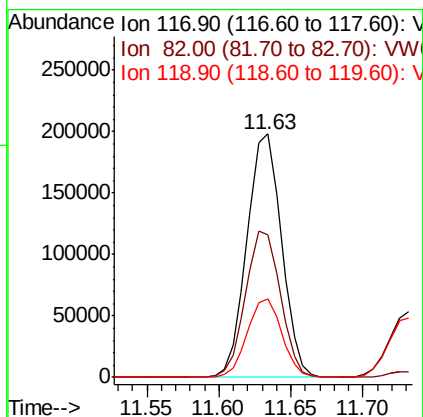
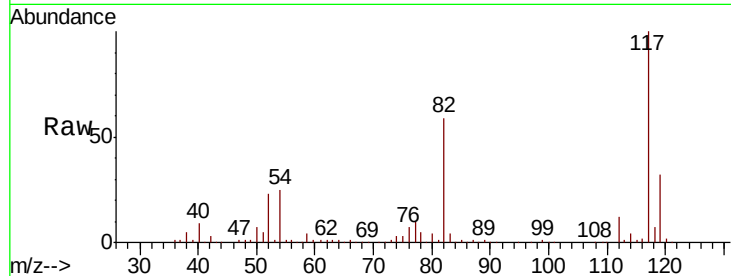




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

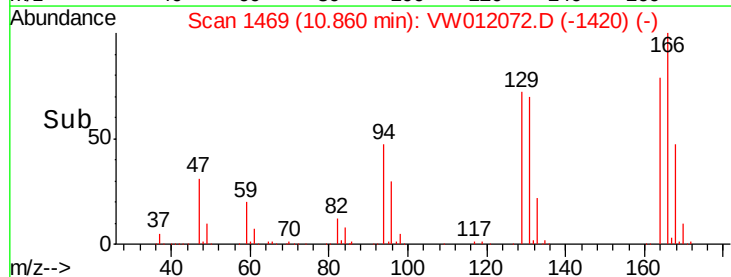
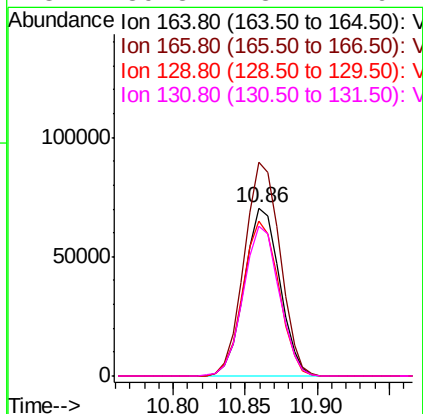
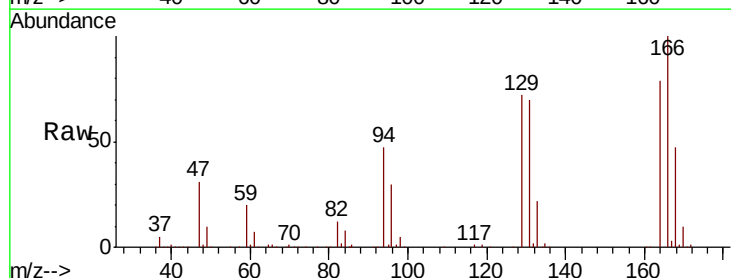
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

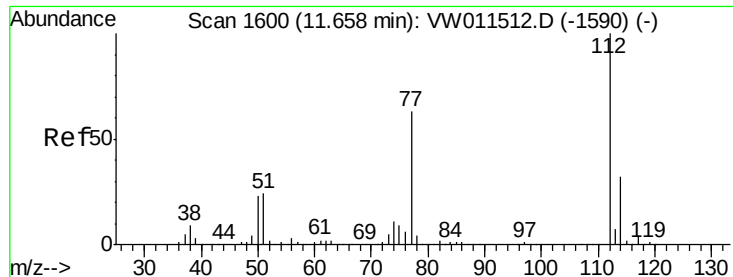
Tgt Ion:117 Resp: 330662
Ion Ratio Lower Upper
117 100
82 58.7 47.9 71.9
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 55.593 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion:164 Resp: 119691
Ion Ratio Lower Upper
164 100
166 127.3 103.5 155.3
129 92.2 75.2 112.8
131 89.3 73.4 110.2

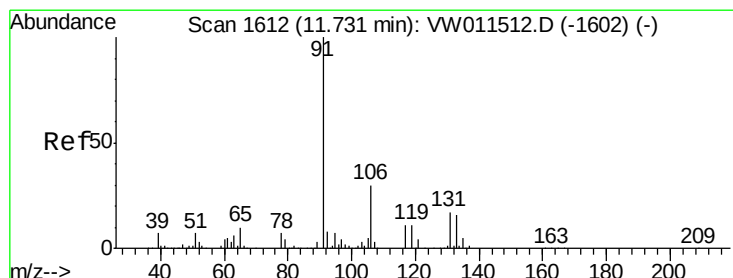
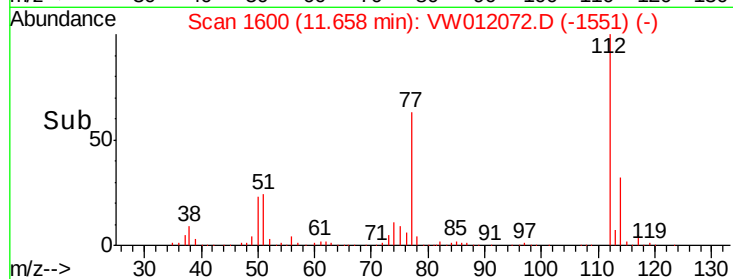
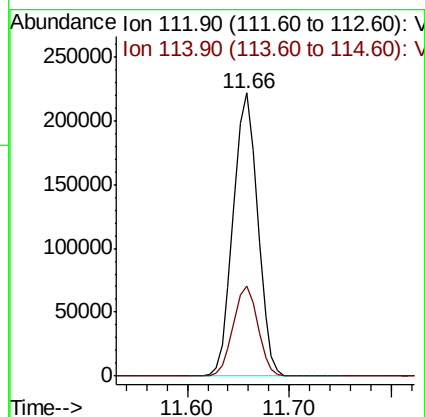
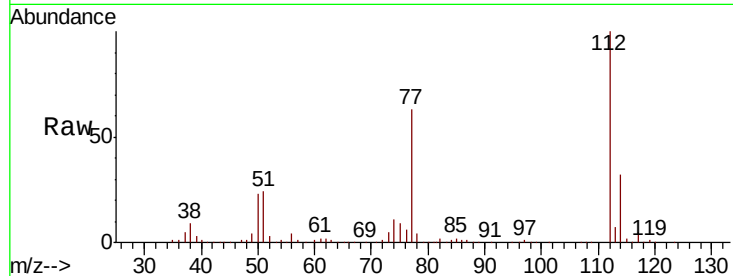




#65
Chlorobenzene
Concen: 55.313 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

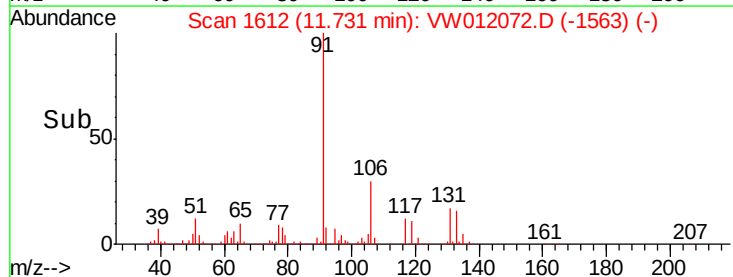
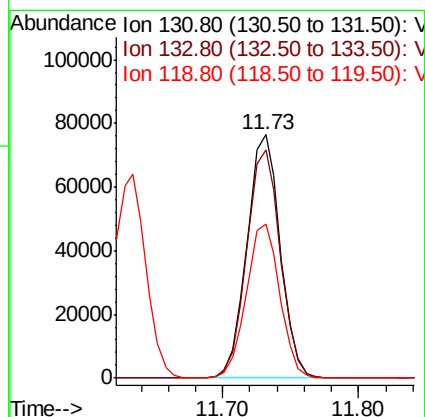
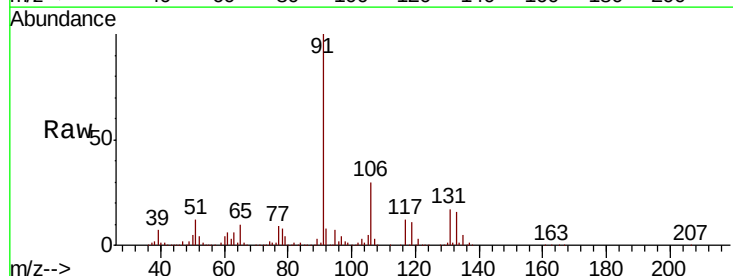
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

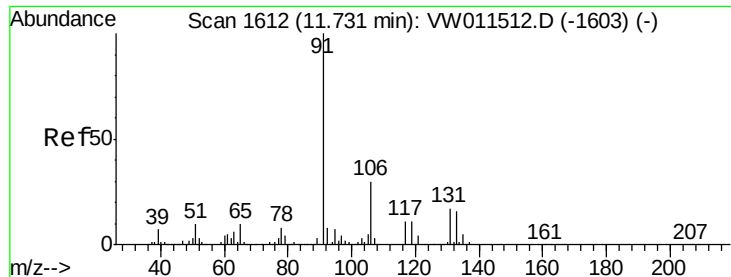
Tgt Ion:112 Resp: 367714
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.536 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion:131 Resp: 130914
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.0 32.3 96.9

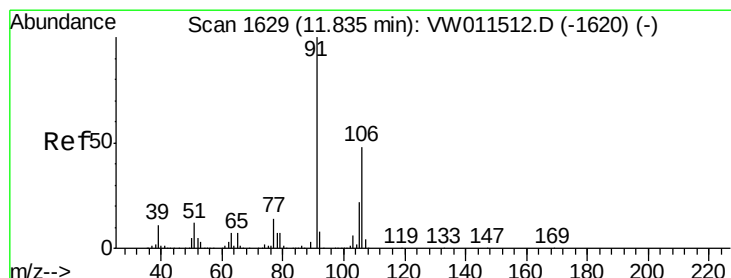
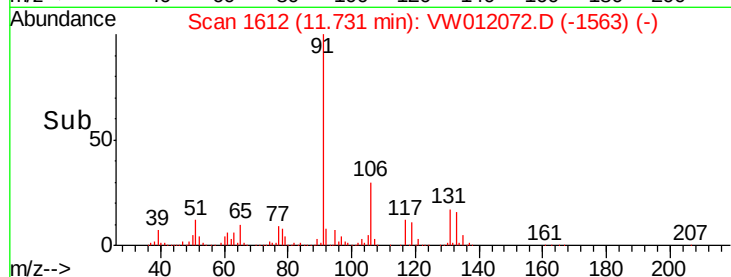
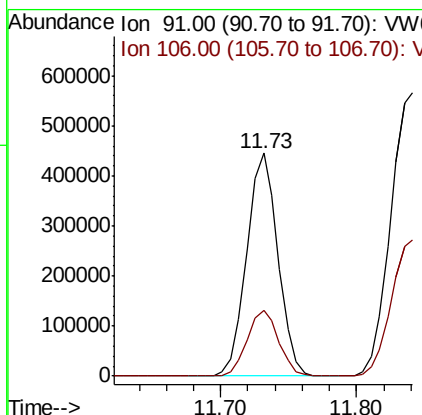
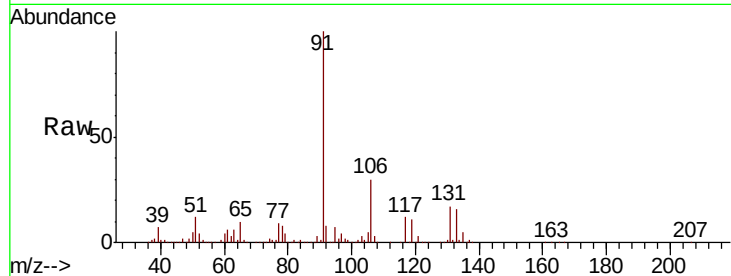




#67
Ethyl Benzene
Concen: 56.593 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

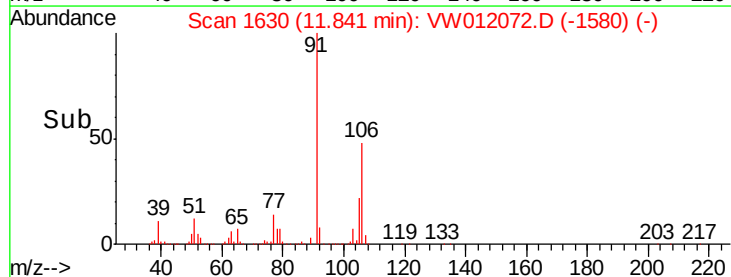
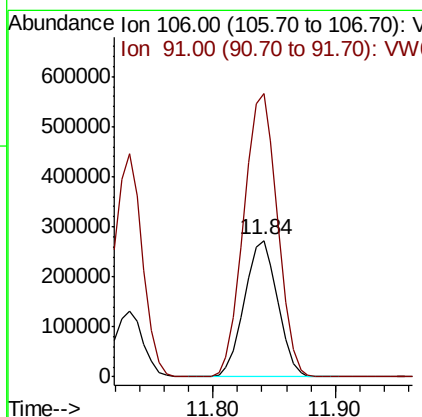
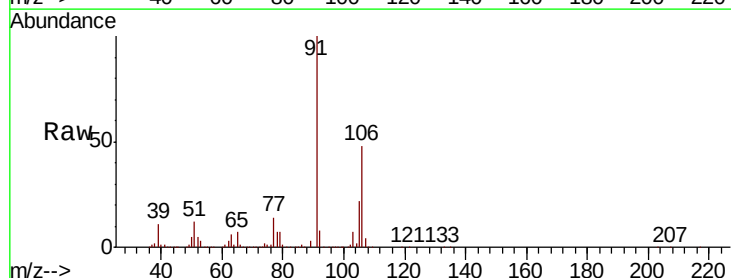
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

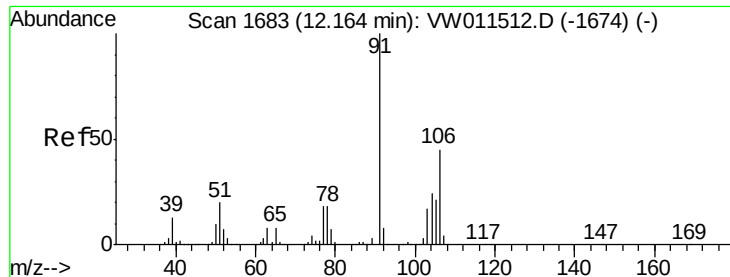
Tgt Ion: 91 Resp: 716530
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 111.732 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 106 Resp: 514465
Ion Ratio Lower Upper
106 100
91 211.0 168.2 252.2

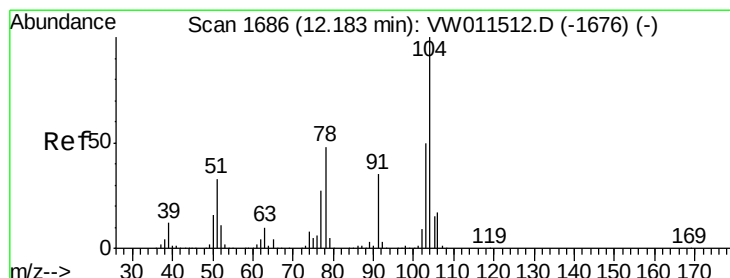
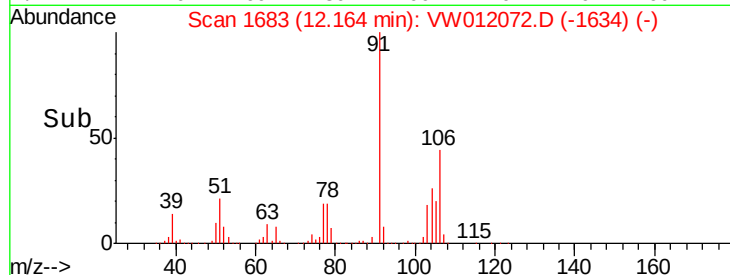
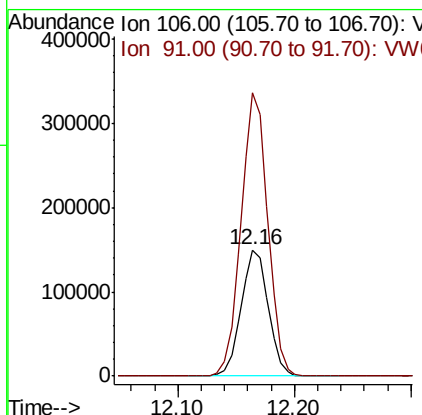
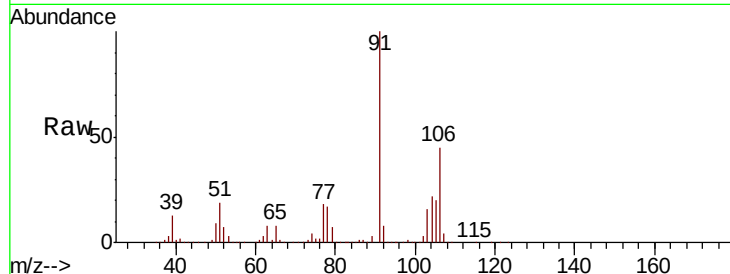




#69
o-Xylene
Concen: 56.745 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

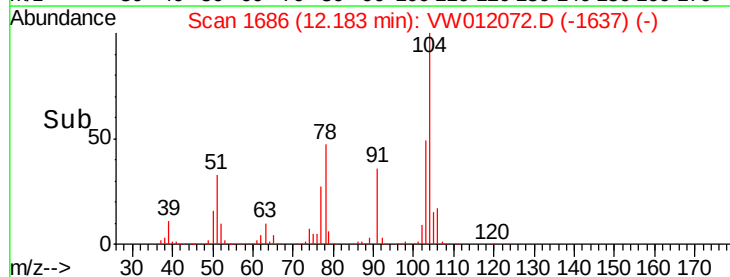
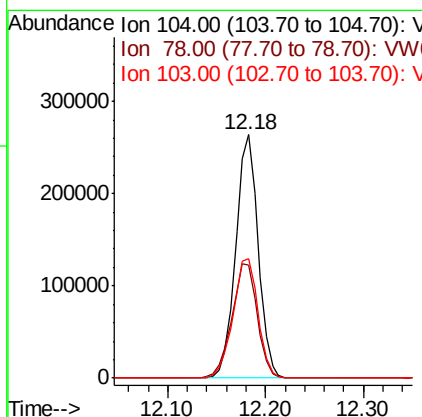
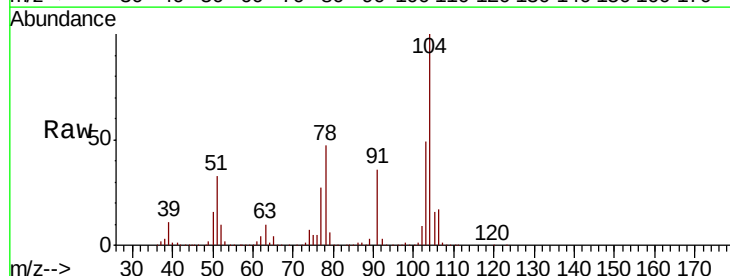
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

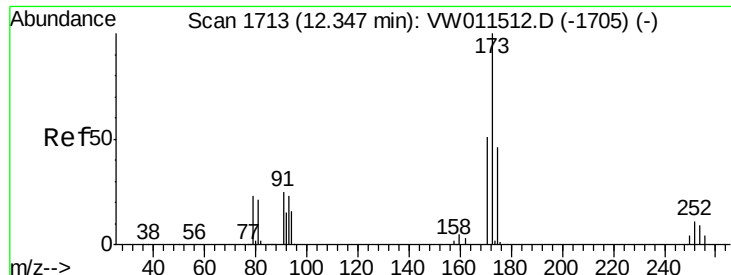
Tgt Ion:106 Resp: 242799
Ion Ratio Lower Upper
106 100
91 221.5 110.5 331.5



#70
Styrene
Concen: 56.706 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion:104 Resp: 419509
Ion Ratio Lower Upper
104 100
78 53.2 43.4 65.0
103 54.6 43.9 65.9





#71

Bromoform

Concen: 56.586 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

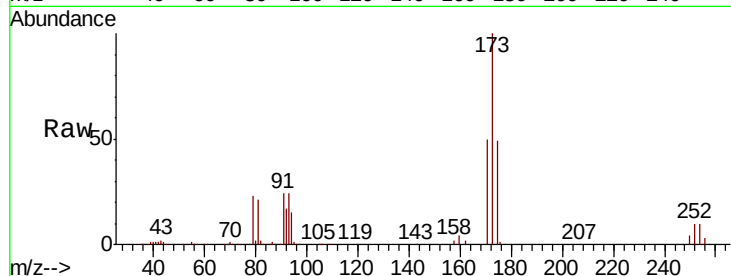
Tgt Ion:173 Resp: 66808

Ion Ratio Lower Upper

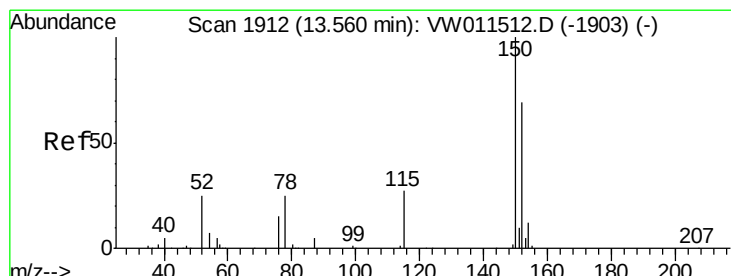
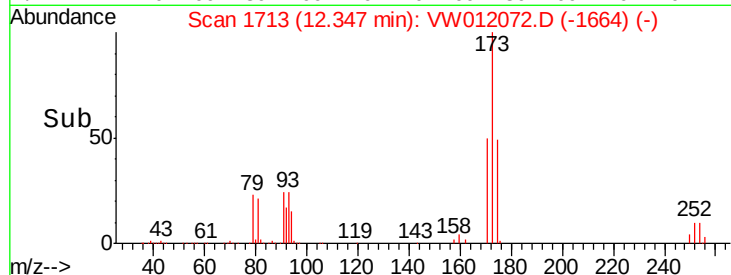
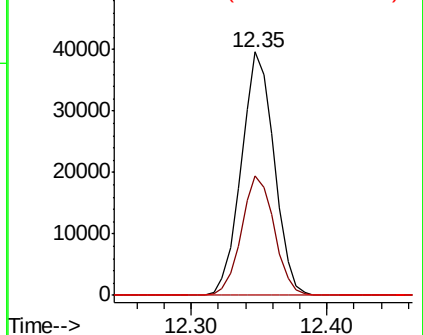
173 100

175 48.9 23.6 71.0

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

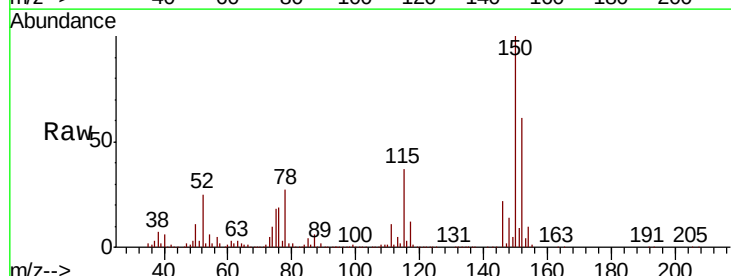
Tgt Ion:152 Resp: 159688

Ion Ratio Lower Upper

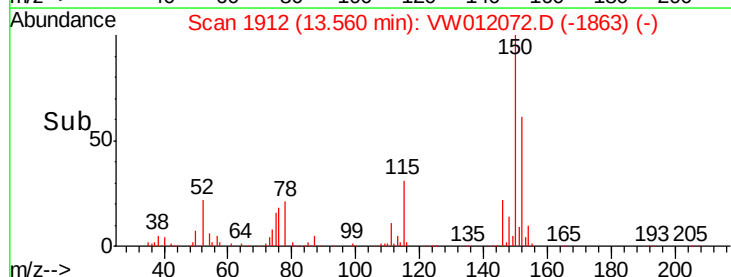
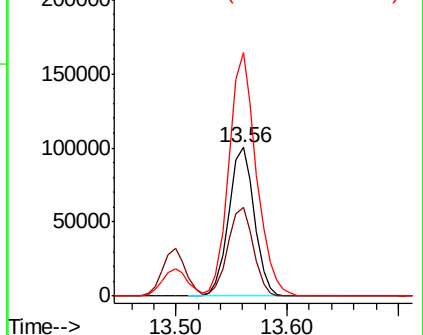
152 100

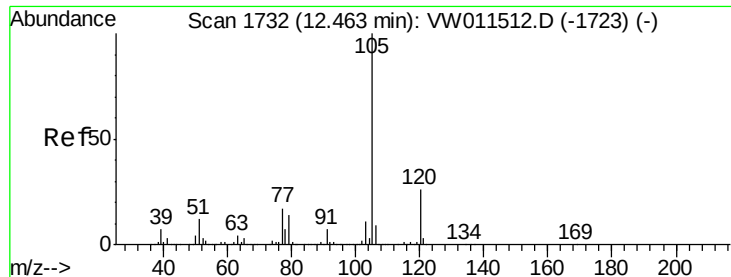
115 59.7 30.5 91.5

150 175.1 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

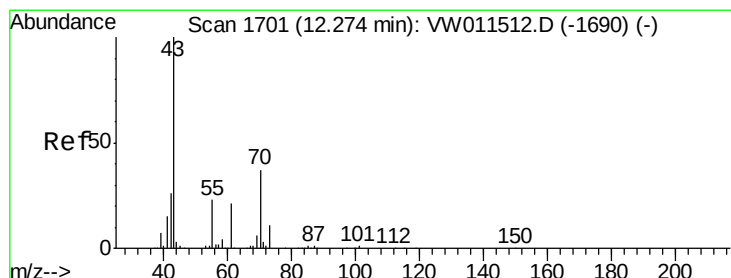
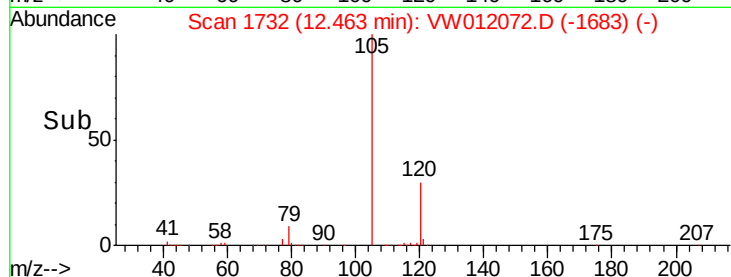
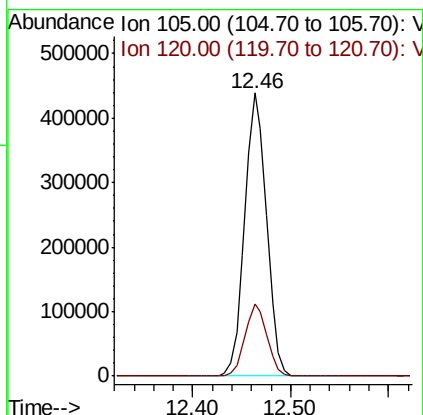
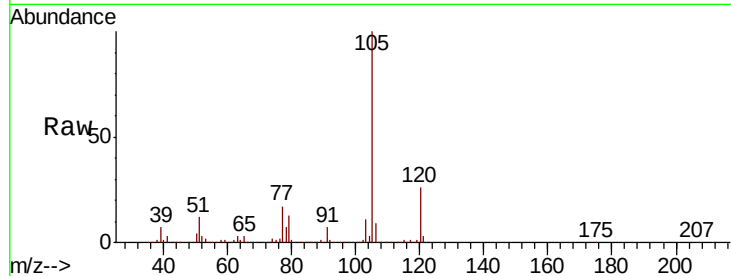




#73
Isopropylbenzene
Concen: 57.035 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

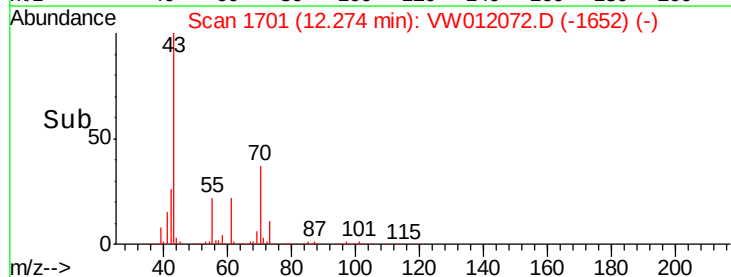
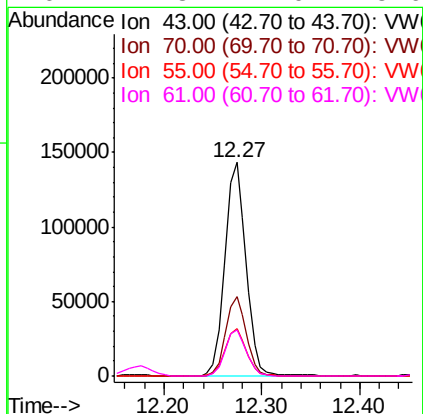
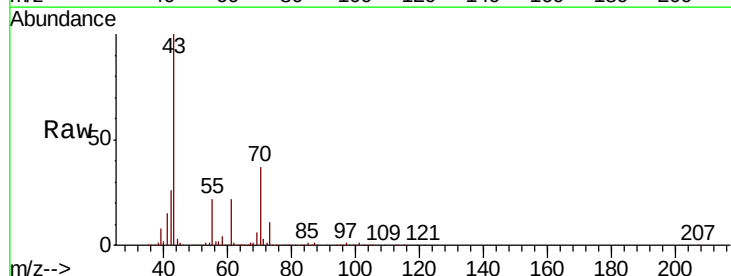
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

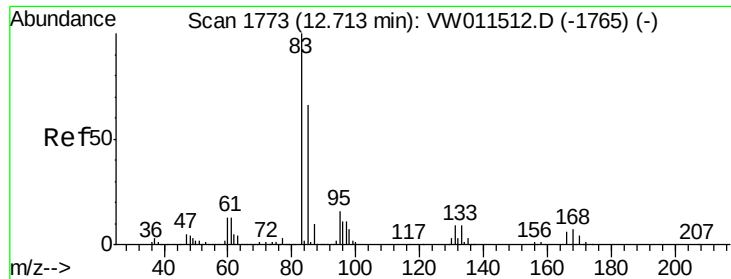
Tgt Ion: 105 Resp: 679466
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7



#74
N-ethyl acetate
Concen: 57.207 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion: 43 Resp: 213367
Ion Ratio Lower Upper
43 100
70 36.7 28.6 43.0
55 22.7 17.8 26.8
61 21.8 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.441 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

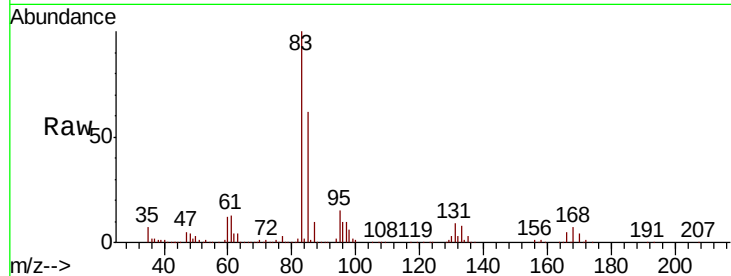
Tgt Ion: 83 Resp: 126475

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

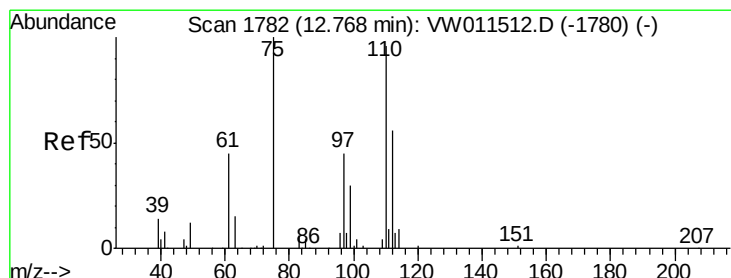
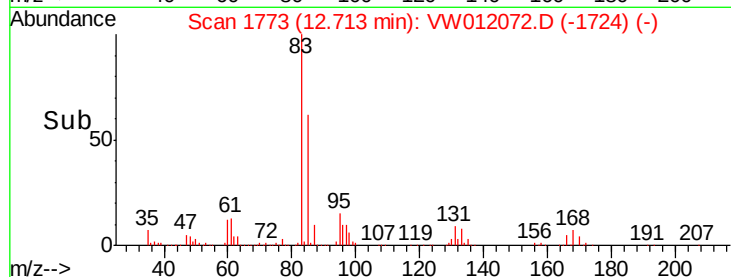
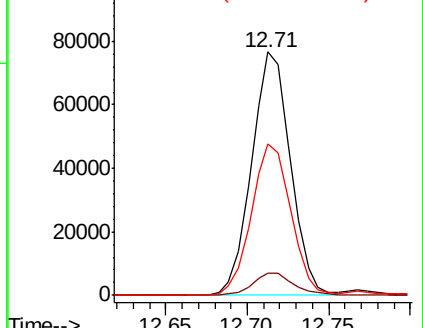
85 63.1 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.009 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012072.D

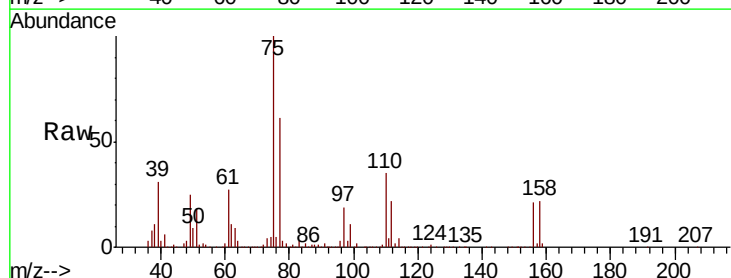
Acq: 21 Aug 2019 15:17

Tgt Ion: 75 Resp: 167294

Ion Ratio Lower Upper

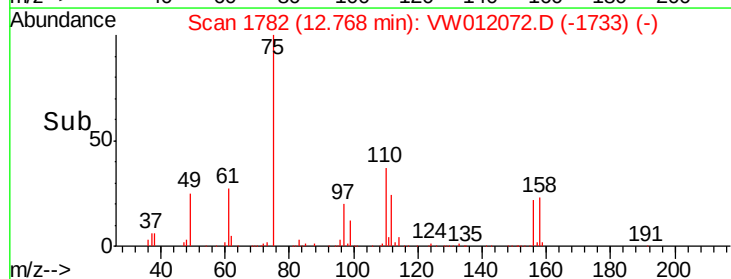
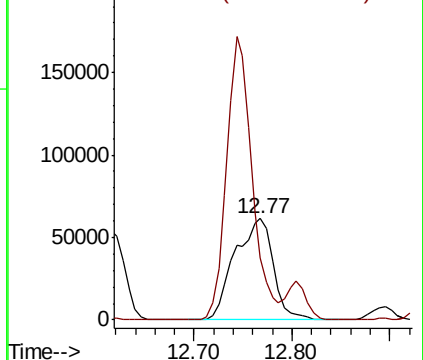
75 100

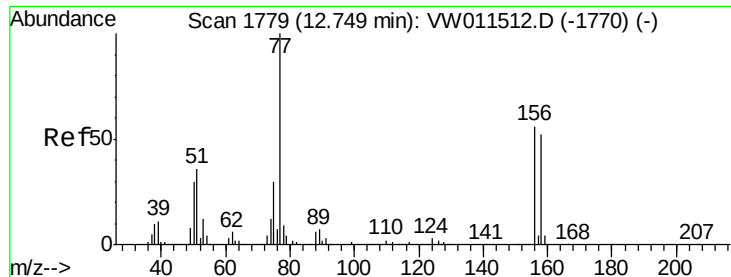
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.607 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

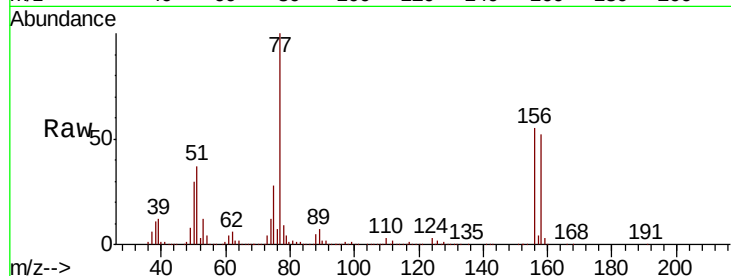
Tgt Ion:156 Resp: 146423

Ion Ratio Lower Upper

156 100

77 212.8 106.5 319.4

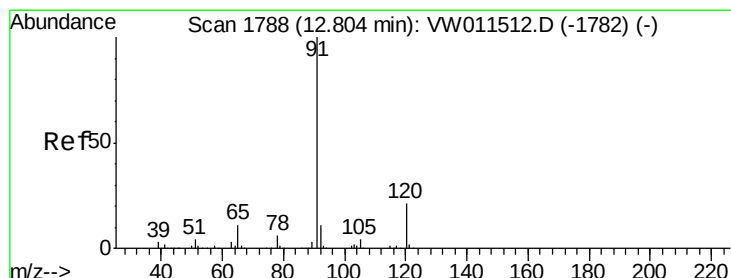
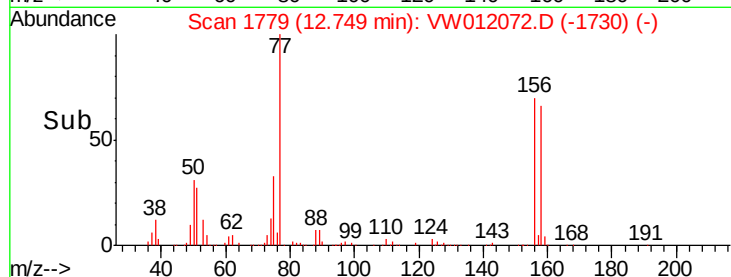
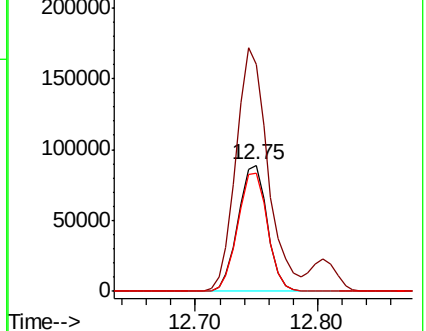
158 96.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.142 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012072.D

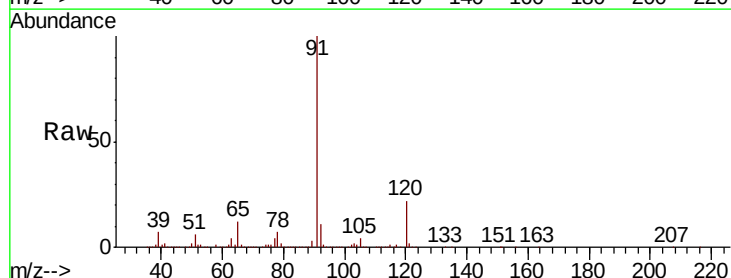
Acq: 21 Aug 2019 15:17

Tgt Ion: 91 Resp: 828461

Ion Ratio Lower Upper

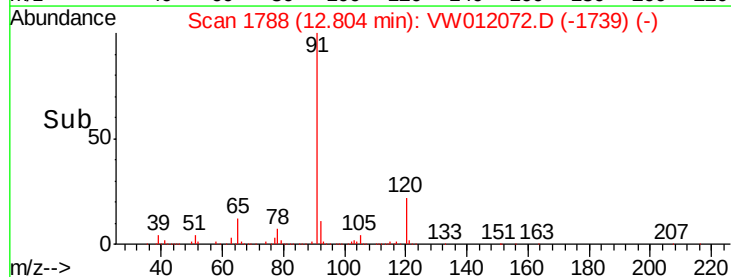
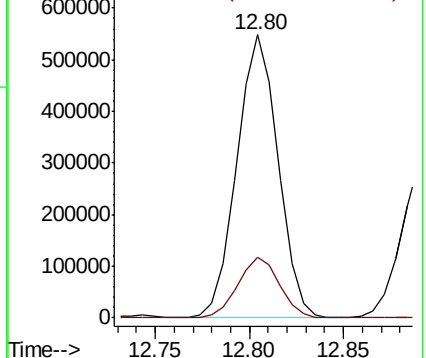
91 100

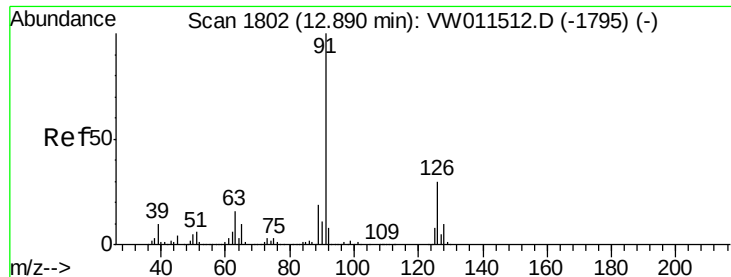
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

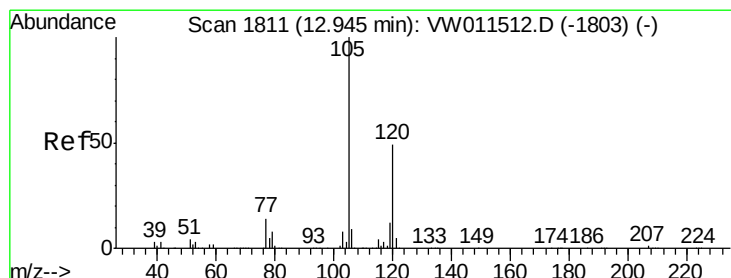
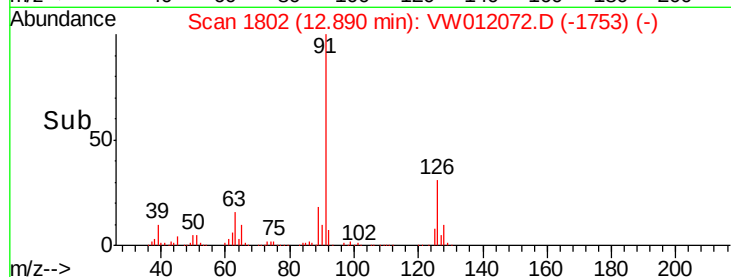
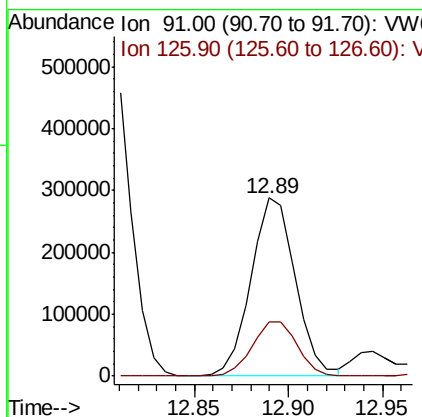
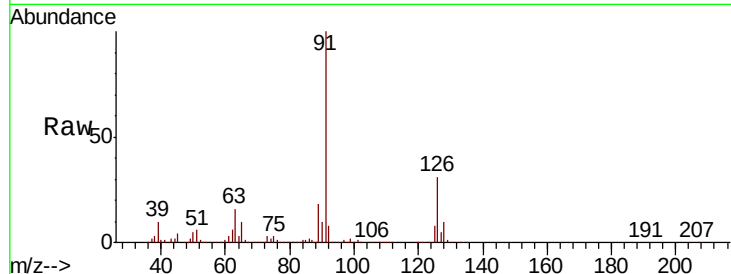




#79
 2-Chlorotoluene
 Concen: 56.315 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

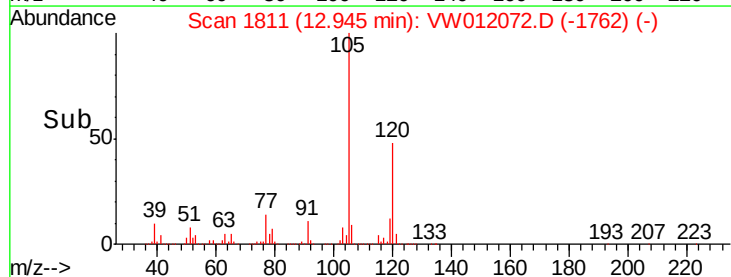
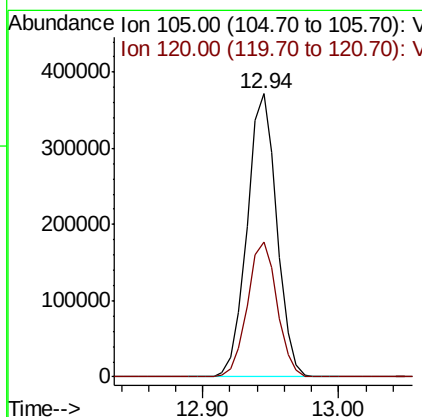
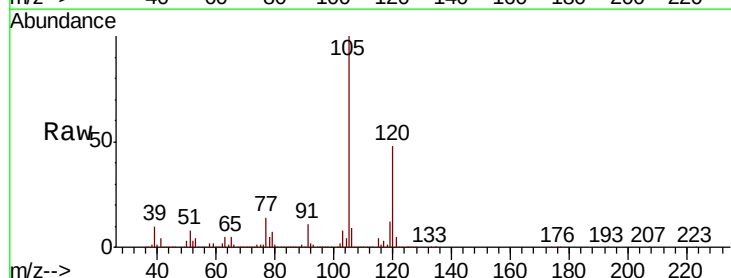
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

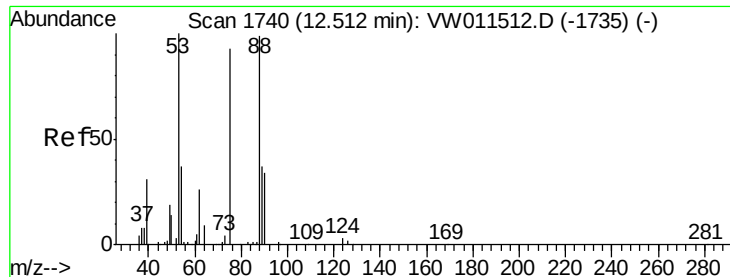
Tgt Ion: 91 Resp: 470369
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 56.694 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 105 Resp: 566152
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3

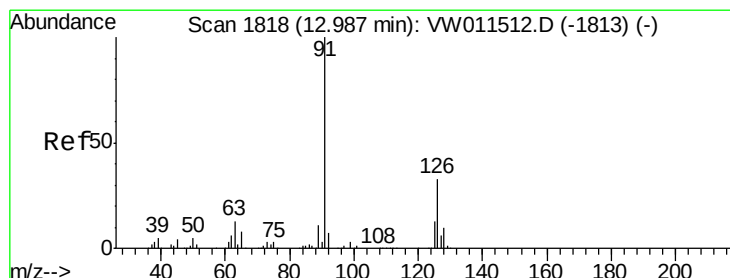
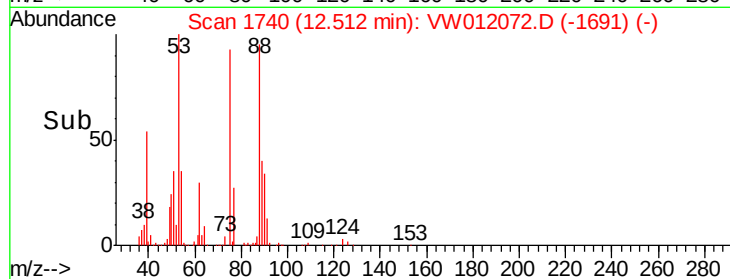
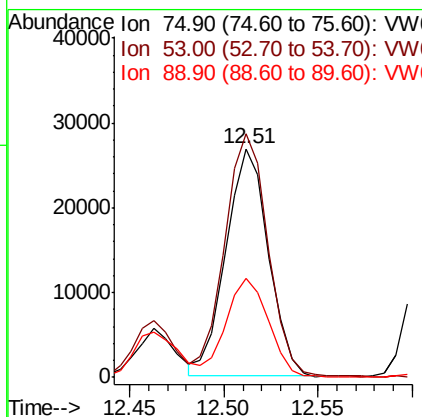
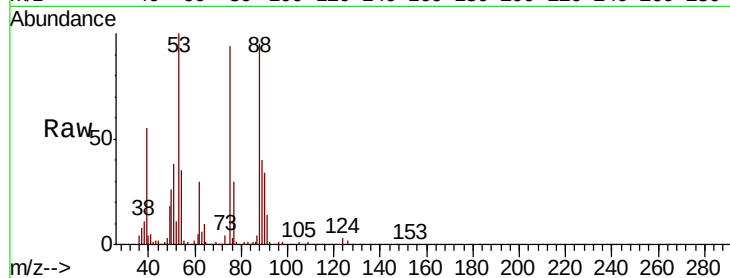




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.170 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

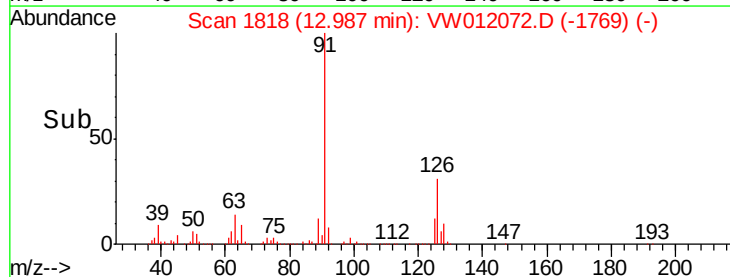
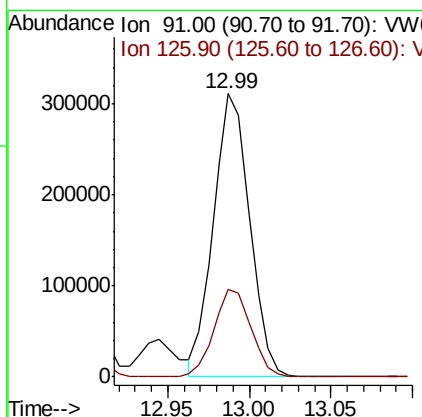
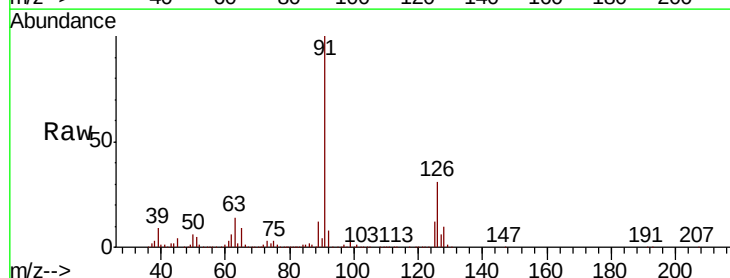
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

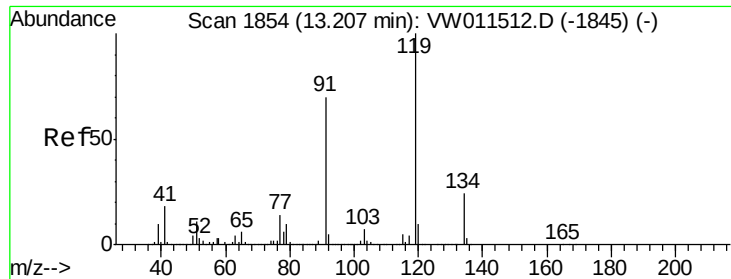
Tgt Ion: 75 Resp: 41915
 Ion Ratio Lower Upper
 75 100
 53 109.5 88.0 132.0
 89 43.1 35.3 52.9



#82
 4-Chlorotoluene
 Concen: 54.901 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion: 91 Resp: 481122
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.8

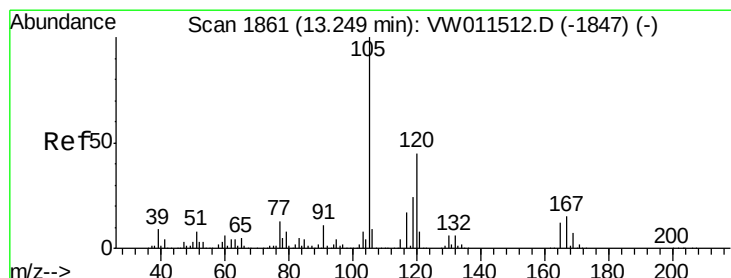
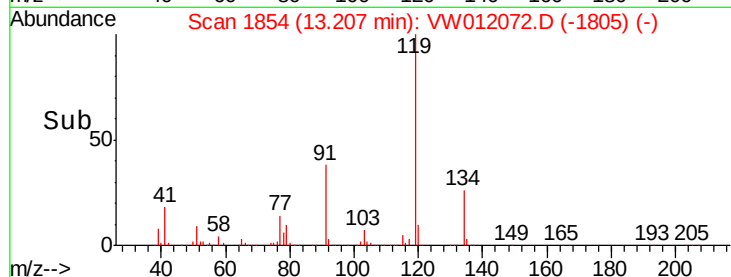
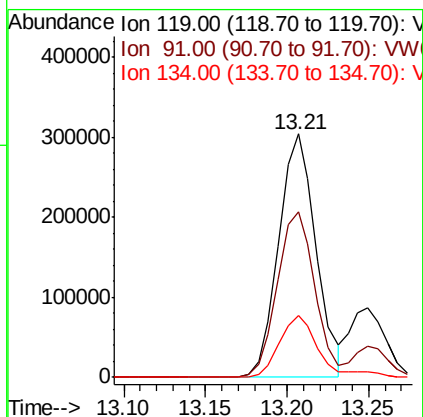
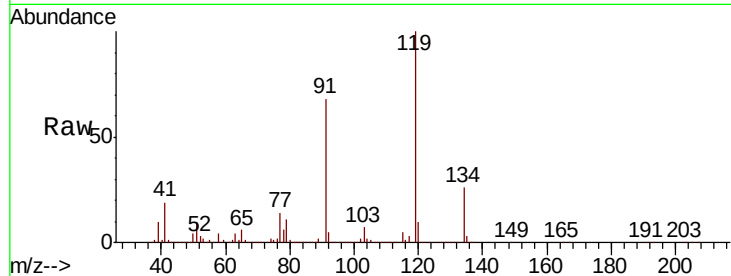




#83
 tert-Butylbenzene
 Concen: 57.885 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

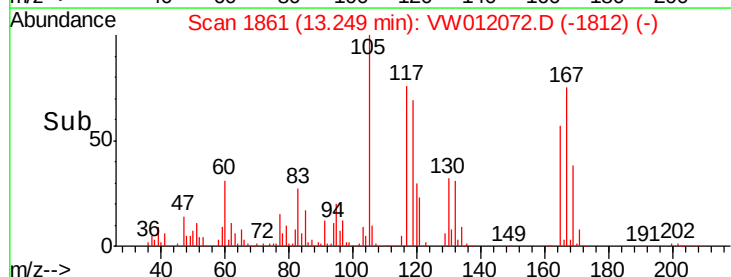
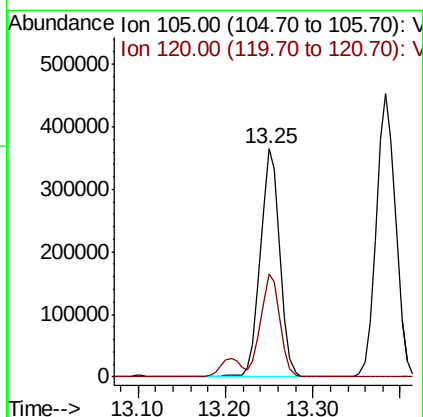
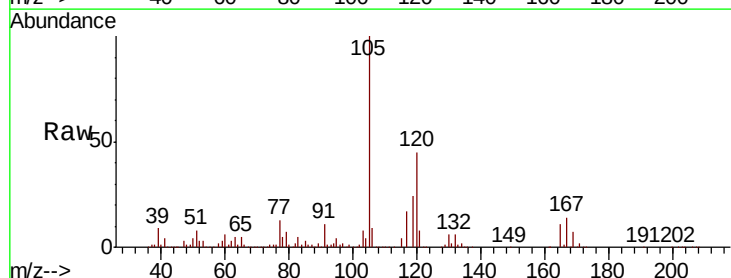
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

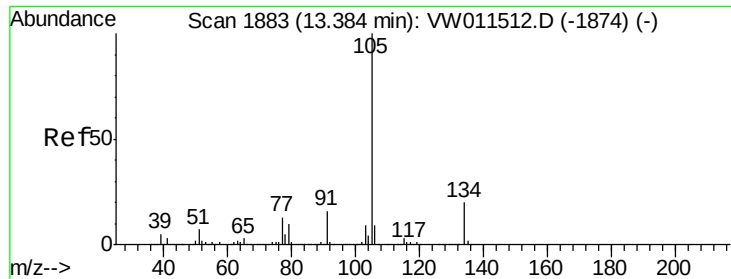
Tgt Ion:119 Resp: 483392
 Ion Ratio Lower Upper
 119 100
 91 68.3 34.5 103.6
 134 26.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 55.942 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion:105 Resp: 562754
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 58.037 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

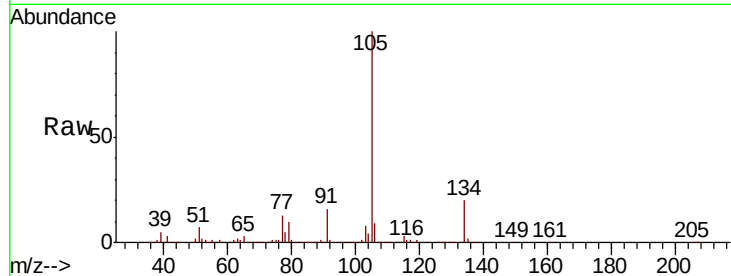
VSTDCCC050EC

Tgt Ion:105 Resp: 691549

Ion Ratio Lower Upper

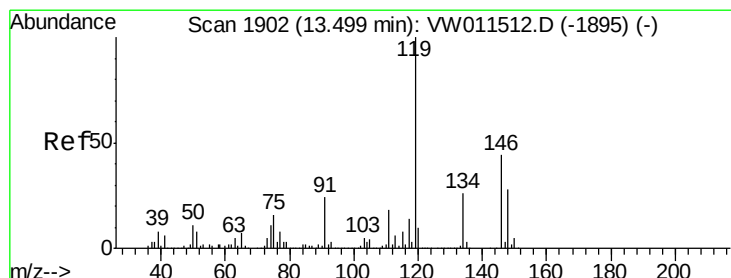
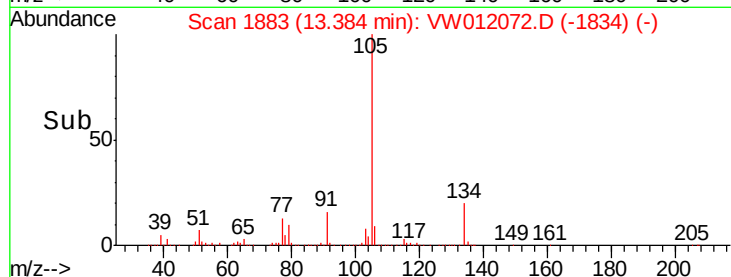
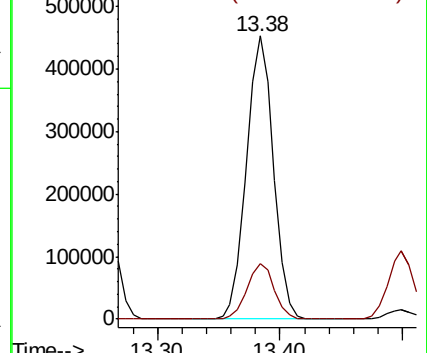
105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.501 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

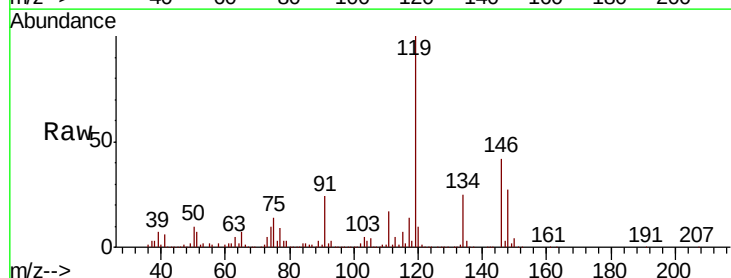
Tgt Ion:119 Resp: 621658

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

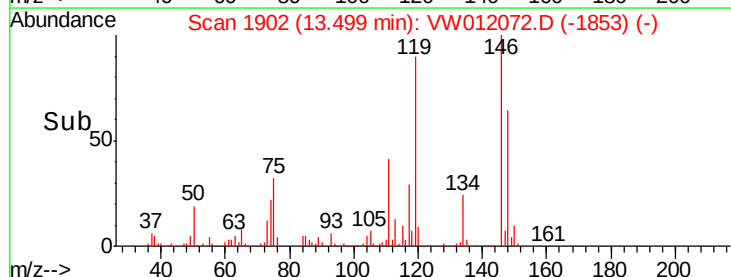
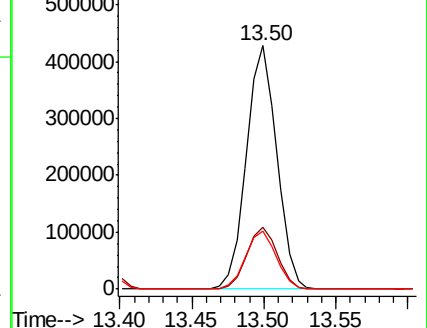
91 24.0 12.1 36.3

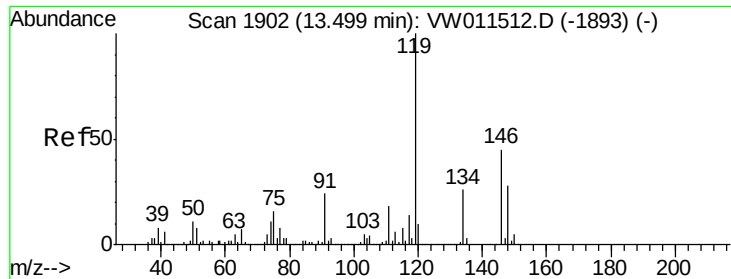


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

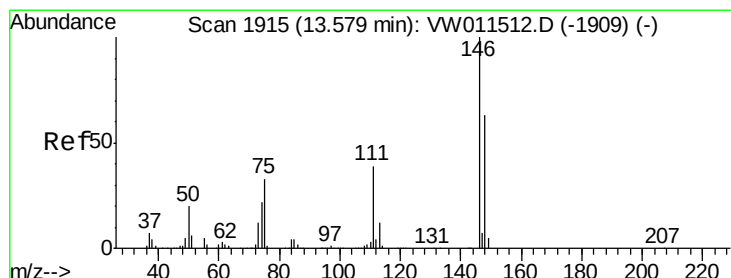
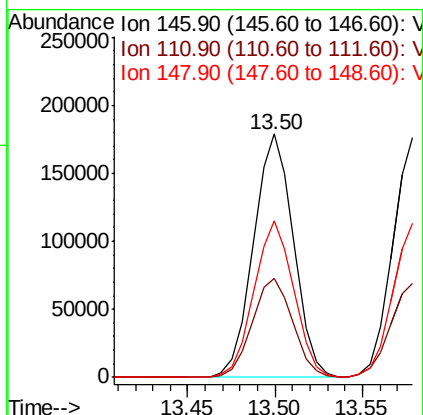
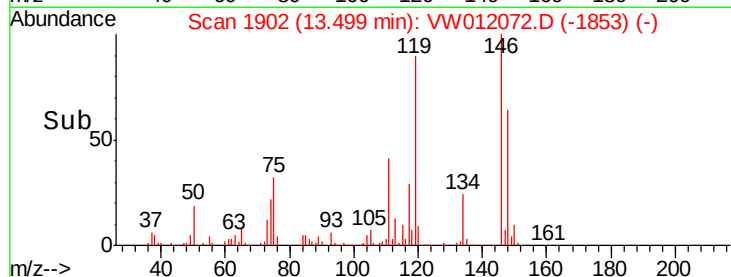
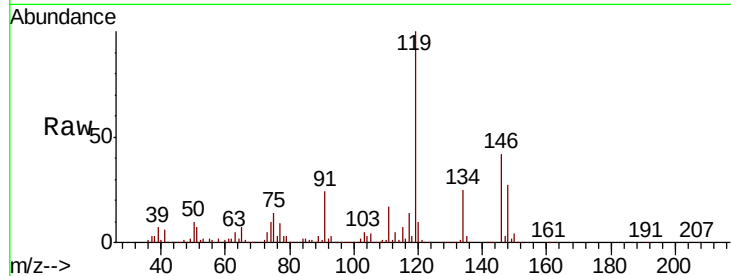




#87
 1,3-Dichlorobenzene
 Concen: 54.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

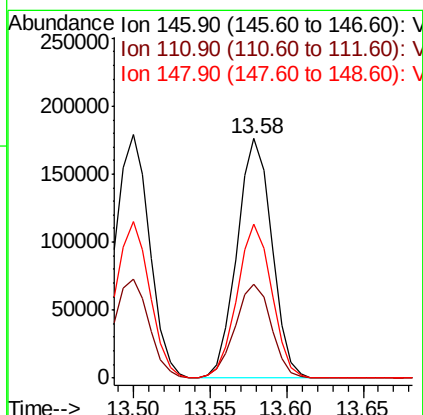
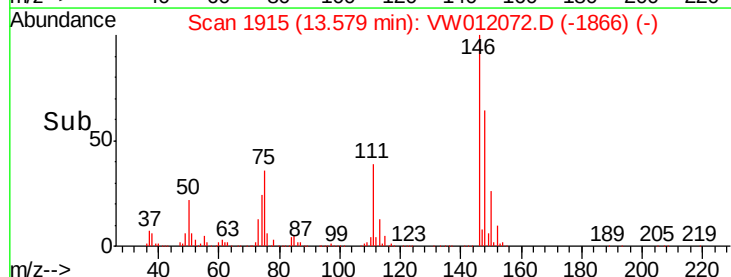
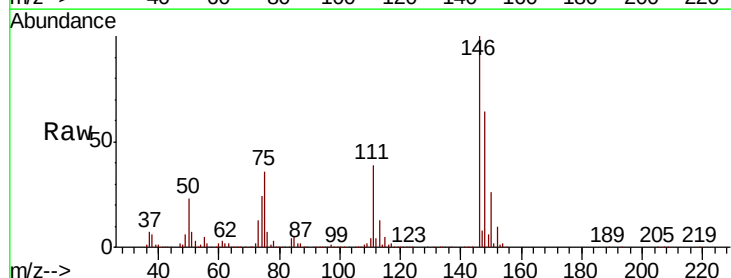
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

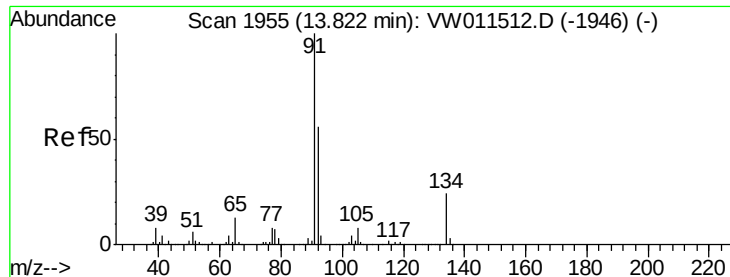
Tgt Ion:146 Resp: 283652
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 54.285 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion:146 Resp: 278811
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.1 60.2
 148 64.3 31.9 95.9





#89

n-Butylbenzene

Concen: 57.976 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

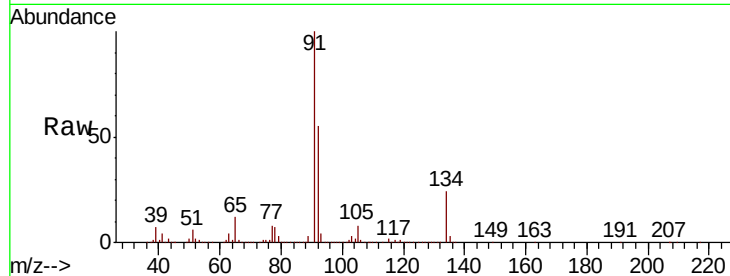
Tgt Ion: 91 Resp: 625503

Ion Ratio Lower Upper

91 100

92 54.4 27.5 82.4

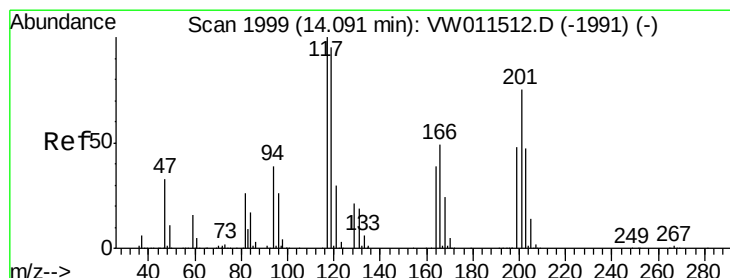
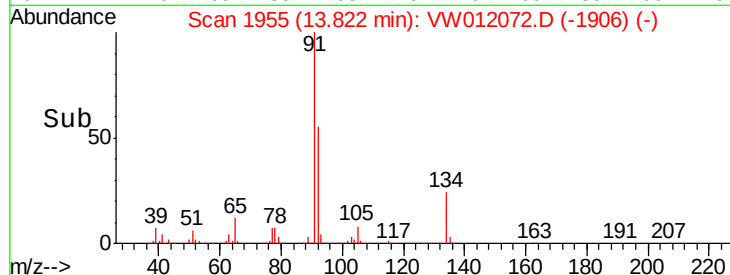
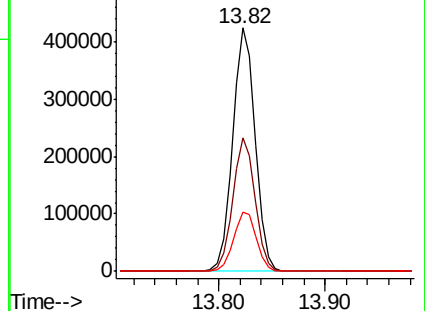
134 24.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.677 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012072.D

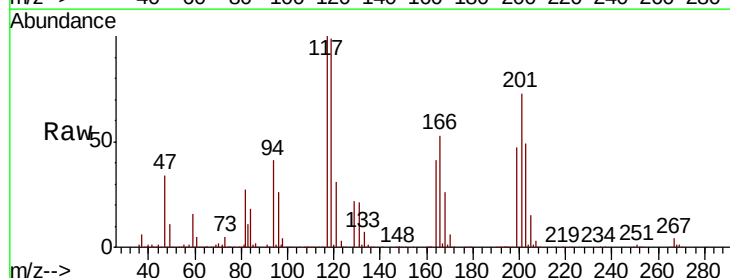
Acq: 21 Aug 2019 15:17

Tgt Ion: 117 Resp: 106439

Ion Ratio Lower Upper

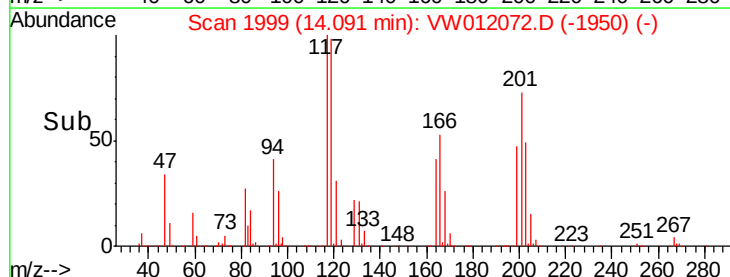
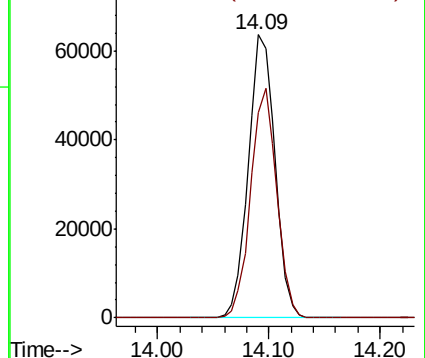
117 100

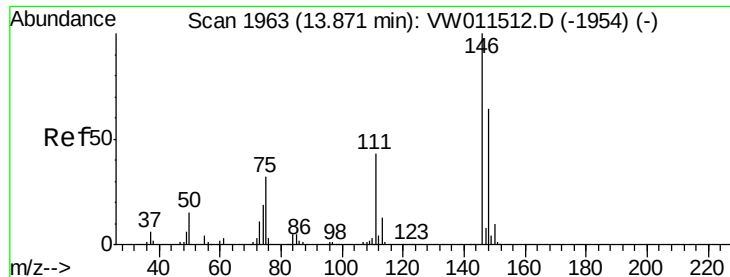
201 79.4 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 55.388 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

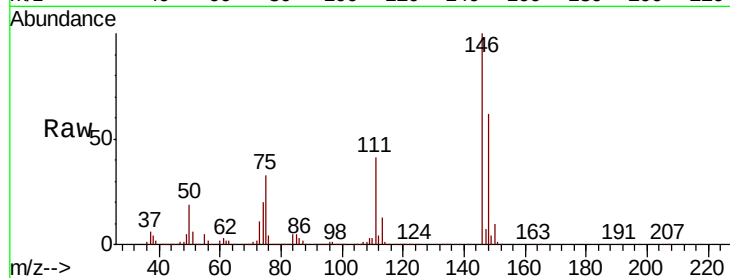
Tgt Ion:146 Resp: 252927

Ion Ratio Lower Upper

146 100

111 42.4 21.6 65.0

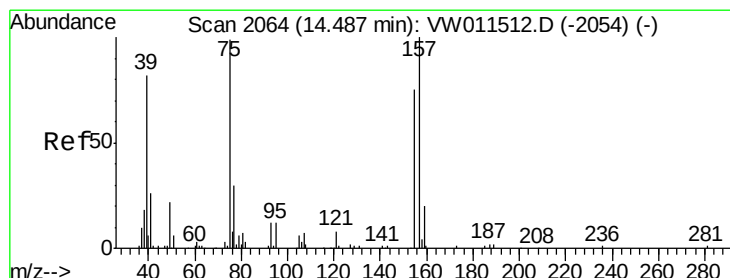
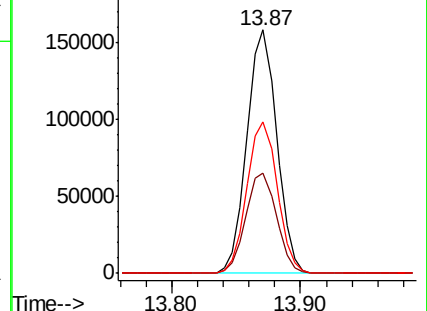
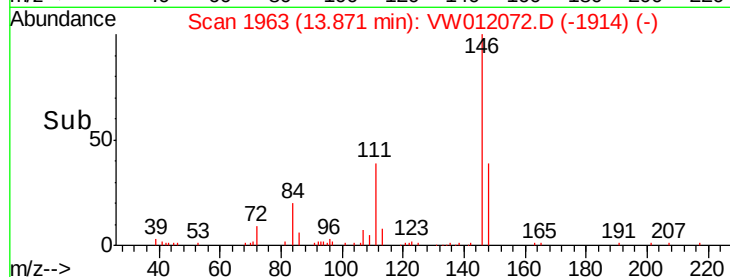
148 63.4 32.0 96.2



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: 56.539 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012072.D

Acq: 21 Aug 2019 15:17

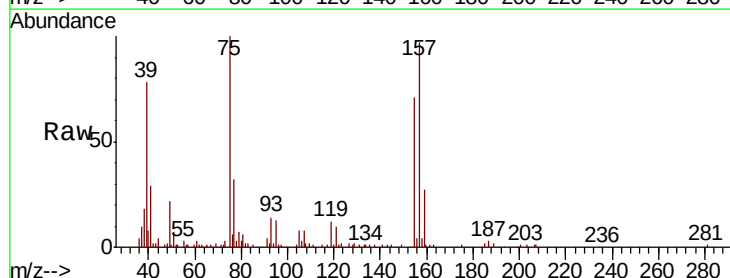
Tgt Ion: 75 Resp: 21605

Ion Ratio Lower Upper

75 100

155 75.4 38.2 114.6

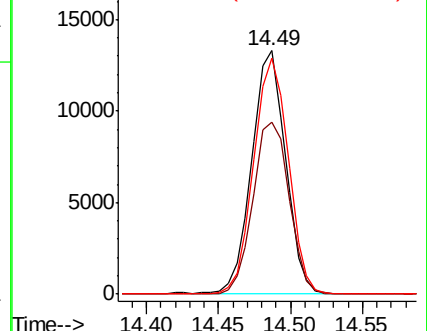
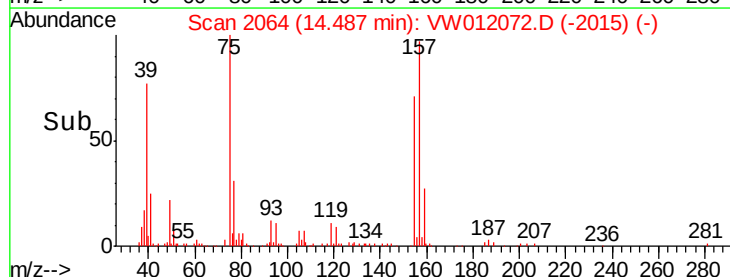
157 99.0 48.9 146.7

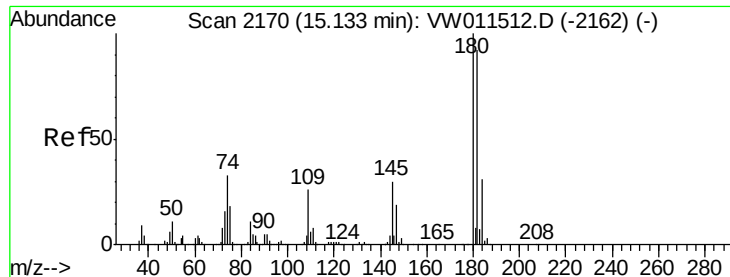


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

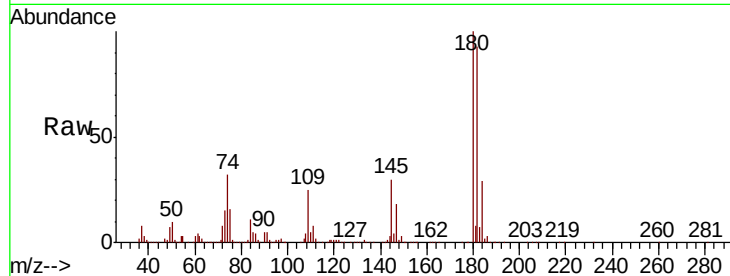




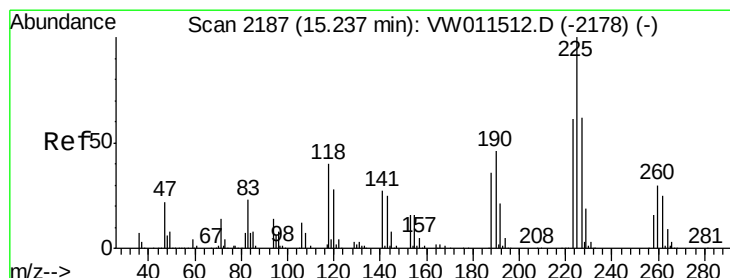
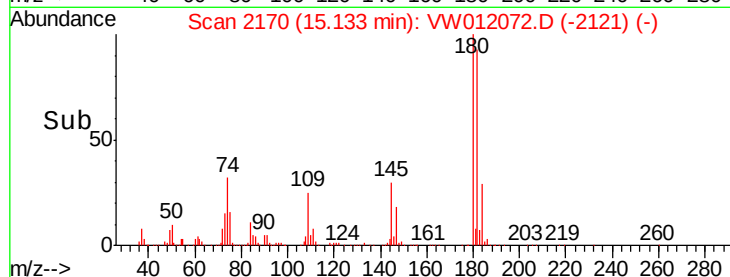
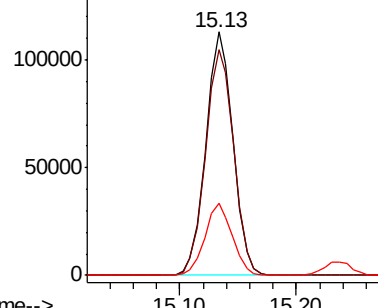
#93
 1,2,4-Trichlorobenzene
 Concen: 57.057 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 183626
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.4 142.2
 145 29.8 15.4 46.1

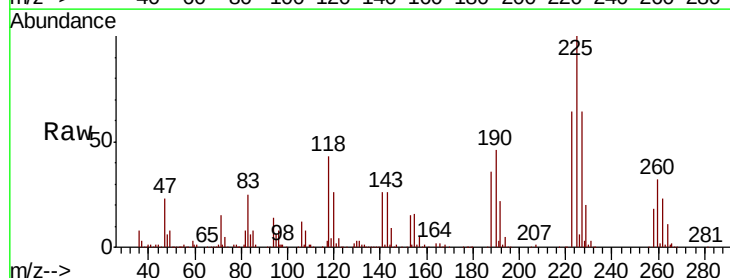


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

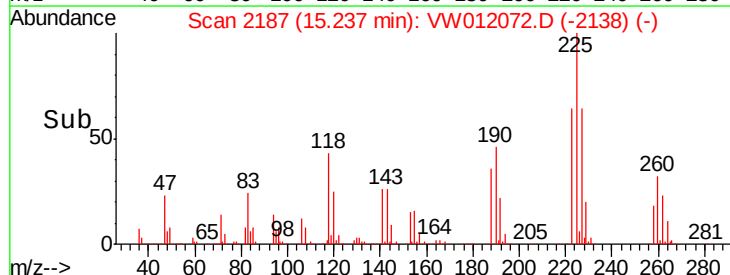
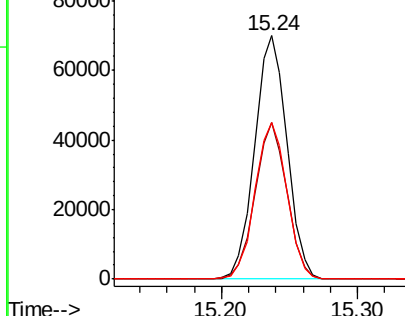


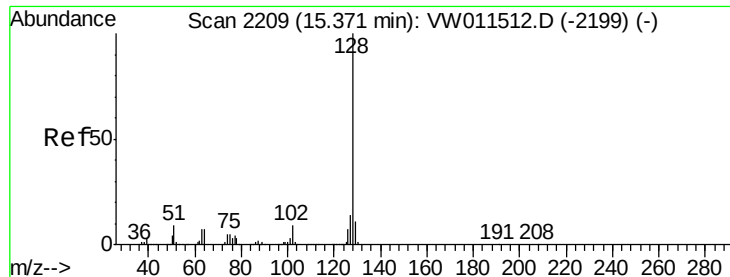
#94
 Hexachlorobutadiene
 Concen: 58.167 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012072.D
 Acq: 21 Aug 2019 15:17

Tgt Ion:225 Resp: 116741
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.8 92.3
 227 63.6 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

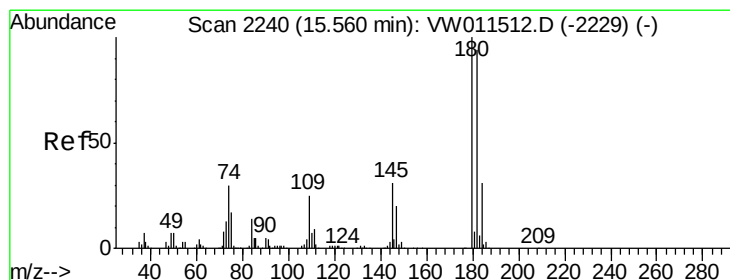
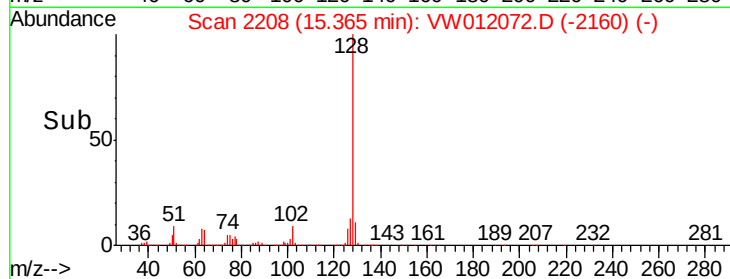
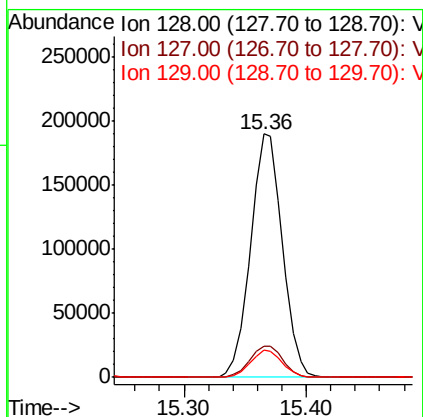
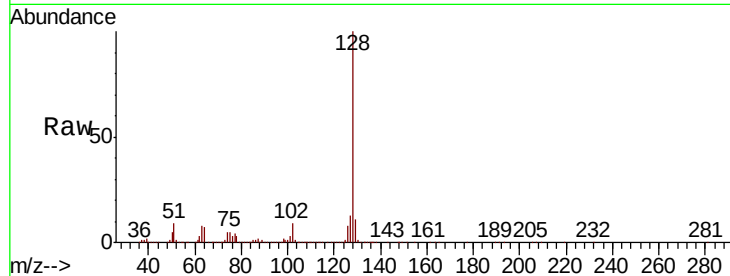




#95
Naphthalene
Concen: 54.264 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 343252
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.883 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW012072.D
Acq: 21 Aug 2019 15:17

Tgt Ion:180 Resp: 160469
Ion Ratio Lower Upper
180 100
182 95.8 47.4 142.2
145 32.2 15.9 47.7

