

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015524.D
 Acq On : 02 Jun 2020 13:00
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 02 13:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	242509	97.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.20%	
35) Dibromofluoromethane	7.88	113	218805	105.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.12%	
50) Toluene-d8	10.32	98	896120	105.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.58%	
62) 4-Bromofluorobenzene	12.62	95	332273	105.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	136253	103.743	ug/l	97
3) Chloromethane	2.22	50	150111	91.950	ug/l	100
4) Vinyl Chloride	2.37	62	237581	95.696	ug/l	98
5) Bromomethane	2.78	94	166056	85.585	ug/l	100
6) Chloroethane	2.93	64	156498	91.548	ug/l	97
7) Trichlorofluoromethane	3.26	101	185976	101.418	ug/l	99
8) Diethyl Ether	3.68	74	104814	90.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	214414	100.265	ug/l	99
10) Methyl Iodide	4.27	142	320117	99.004	ug/l	99
11) Tert butyl alcohol	5.18	59	77062	508.549	ug/l	99
12) 1,1-Dichloroethene	4.04	96	214337	97.158	ug/l	98
13) Acrolein	3.89	56	66047	371.346	ug/l	98
14) Allyl chloride	4.67	41	363202	94.061	ug/l	99
15) Acrylonitrile	5.37	53	222403	468.923	ug/l	99
16) Acetone	4.12	43	264255	611.068	ug/l	100
17) Carbon Disulfide	4.38	76	646932	96.082	ug/l	100
18) Methyl Acetate	4.67	43	97422	92.084	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	320457	89.540	ug/l	98
20) Methylene Chloride	4.92	84	220599	86.107	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	242192	96.460	ug/l	98
22) Diisopropyl ether	6.32	45	687395	91.145	ug/l	99
23) Vinyl Acetate	6.26	43	2090794	453.764	ug/l	99
24) 1,1-Dichloroethane	6.22	63	428326	94.554	ug/l	99
25) 2-Butanone	7.17	43	320437	505.102	ug/l	99
26) 2,2-Dichloropropane	7.17	77	282860	93.869	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	262513	96.004	ug/l	99
28) Bromochloromethane	7.51	49	164146	91.252	ug/l	99
29) Tetrahydrofuran	7.53	42	187912	463.493	ug/l	99
30) Chloroform	7.68	83	432101	95.784	ug/l	100
31) Cyclohexane	7.96	56	389968	85.751	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	373703	98.652	ug/l	99
36) 1,1-Dichloropropene	8.09	75	353859	99.091	ug/l	99
37) Ethyl Acetate	7.26	43	133513	94.942	ug/l	99
38) Carbon Tetrachloride	8.07	117	349697	103.512	ug/l	98

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Quant Time: Jun 02 13:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	438774	97.027	ug/l	98
40) Benzene	8.32	78	951787	97.322	ug/l	100
41) Methacrylonitrile	7.48	41	83418	93.009	ug/l	99
42) 1,2-Dichloroethane	8.40	62	287862	96.081	ug/l	100
43) Isopropyl Acetate	8.43	43	274839	92.859	ug/l	99
44) Trichloroethene	9.09	130	257693	101.513	ug/l	95
45) 1,2-Dichloropropane	9.37	63	231711	95.858	ug/l	98
46) Dibromomethane	9.46	93	119284	98.016	ug/l	100
47) Bromodichloromethane	9.65	83	326837	99.404	ug/l	99
48) Methyl methacrylate	9.44	41	132554	97.396	ug/l	98
49) 1,4-Dioxane	9.45	88	37412	2374.824	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	662367	476.895	ug/l	100
52) Toluene	10.39	92	627926	99.025	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	329487	98.107	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	386755	98.316	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	166336	96.869	ug/l	99
56) Ethyl methacrylate	10.65	69	228047	97.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	296433	96.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	544256	487.485	ug/l	99
59) 2-Hexanone	10.97	43	472251	496.961	ug/l	100
60) Dibromochloromethane	11.13	129	207372	100.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	161092	98.968	ug/l	99
64) Tetrachloroethene	10.87	164	212983	104.958	ug/l	93
65) Chlorobenzene	11.66	112	644009	98.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	239053	102.982	ug/l	97
67) Ethyl Benzene	11.73	91	1237383	99.161	ug/l	97
68) m/p-Xylenes	11.84	106	926202	199.371	ug/l	100
69) o-Xylene	12.16	106	438970	100.708	ug/l	100
70) Styrene	12.18	104	756479	100.809	ug/l	99
71) Bromoform	12.35	173	117719	103.553	ug/l #	100
73) Isopropylbenzene	12.46	105	1220071	100.966	ug/l	98
74) N-amyl acetate	12.27	43	268529	93.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	188281	98.619	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	259360	197.242	ug/l #	100
77) Bromobenzene	12.75	156	266370	103.289	ug/l	99
78) n-propylbenzene	12.80	91	1456456	100.597	ug/l	99
79) 2-Chlorotoluene	12.90	91	824631	100.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1036255	102.073	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66868	98.864	ug/l	97
82) 4-Chlorotoluene	12.99	91	850195	98.530	ug/l	100
83) tert-Butylbenzene	13.21	119	878729	101.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1032024	101.551	ug/l	99
85) sec-Butylbenzene	13.38	105	1243743	101.911	ug/l	99
86) p-Isopropyltoluene	13.50	119	1126052	101.173	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	526279	103.213	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	515328	101.633	ug/l	99
89) n-Butylbenzene	13.82	91	1105588	102.001	ug/l	100
90) Hexachloroethane	14.09	117	212677	103.490	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	453236	101.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32248	96.676	ug/l	98

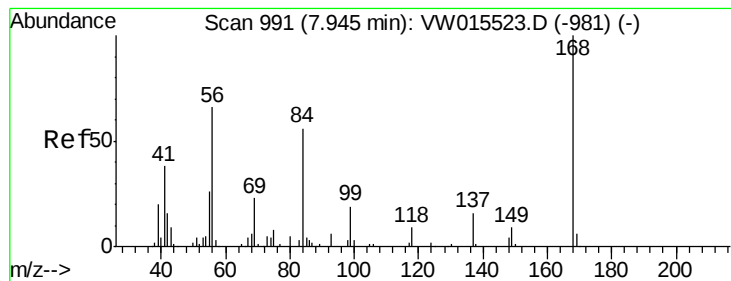
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060220\
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Quant Title : SW846 8260
QLast Update : Tue Jun 02 12:43:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	317579	106.105	ug/l	100
94) Hexachlorobutadiene	15.24	225	194466	109.716	ug/l	96
95) Naphthalene	15.36	128	554384	103.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	267738	103.879	ug/l	98

(#) = 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: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

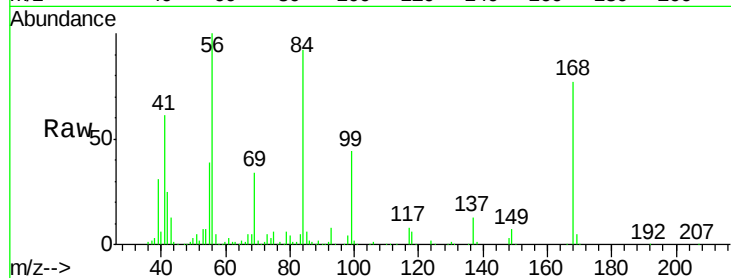
ClientSampled :

Tot Ion:168 Resp: 226601

Ion Ratio Lower Upper

168 100

99 57.4 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

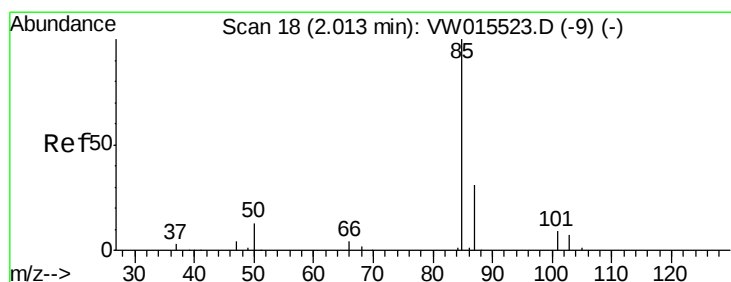
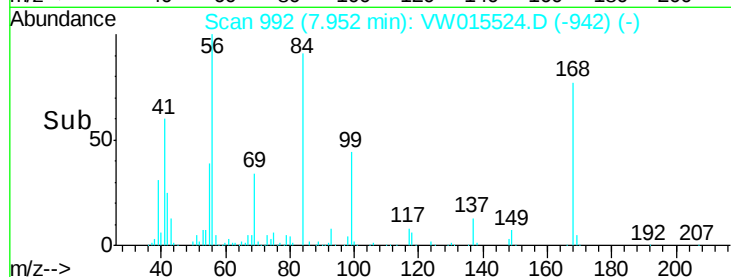
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 103.743 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015524.D

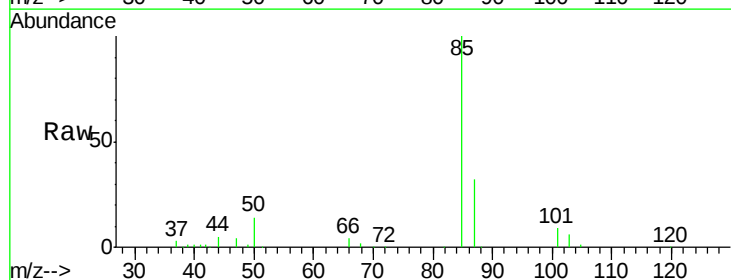
Acq: 02 Jun 2020 13:00

Tgt Ion: 85 Resp: 136253

Ion Ratio Lower Upper

85 100

87 32.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

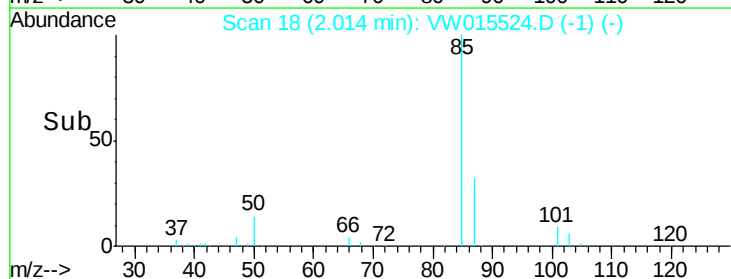
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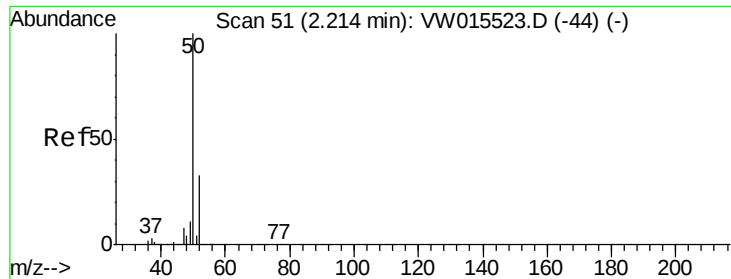
20000

10000

0

Time-->





#3

Chloromethane

Concen: 91.950 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

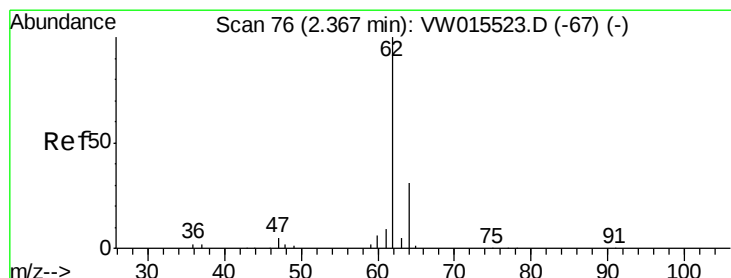
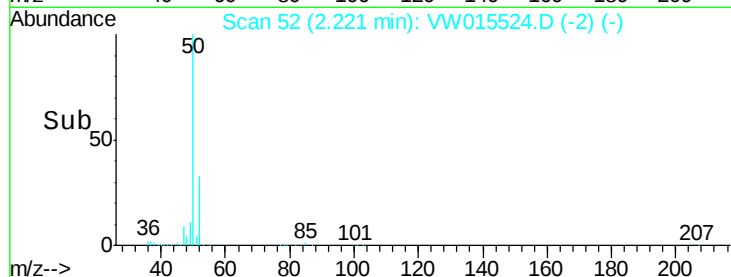
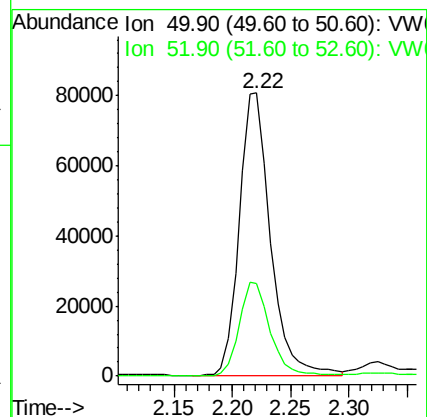
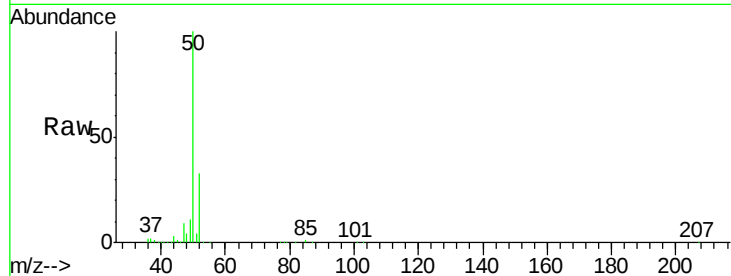
ClientSampleId :

Tot Ion: 50 Resp: 150111

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 95.696 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015524.D

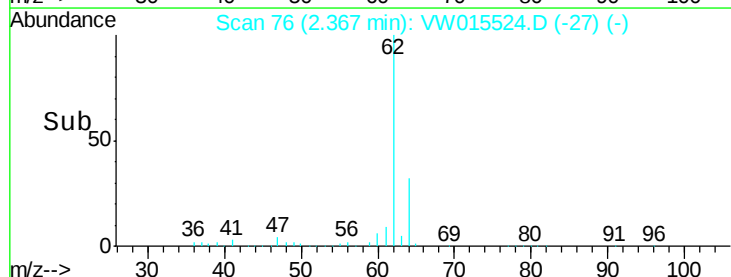
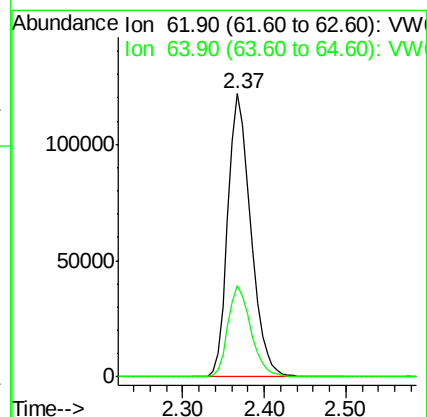
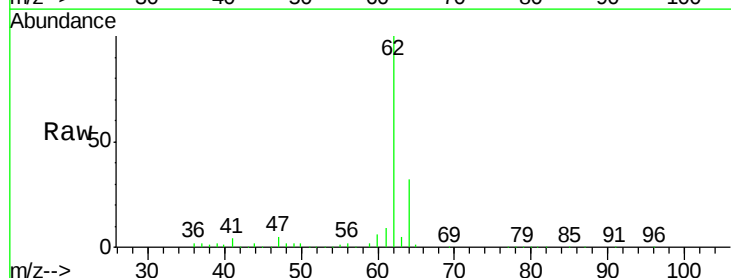
Acq: 02 Jun 2020 13:00

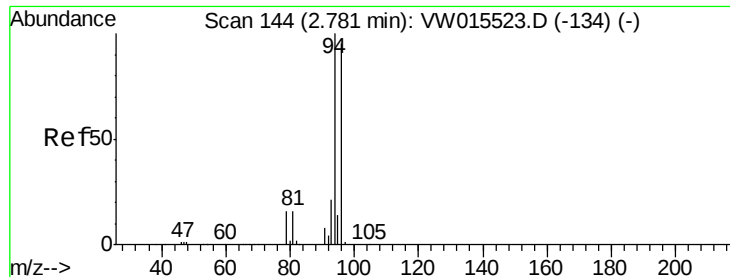
Tgt Ion: 62 Resp: 237581

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4





#5

Bromomethane

Concen: 85.585 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

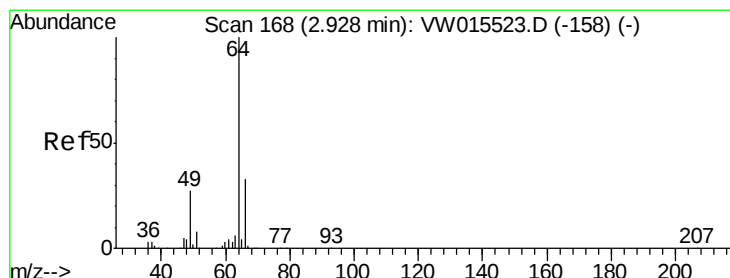
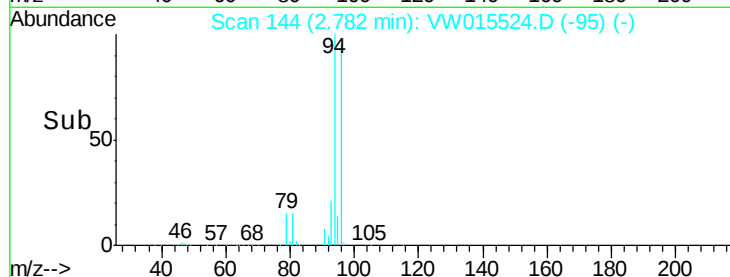
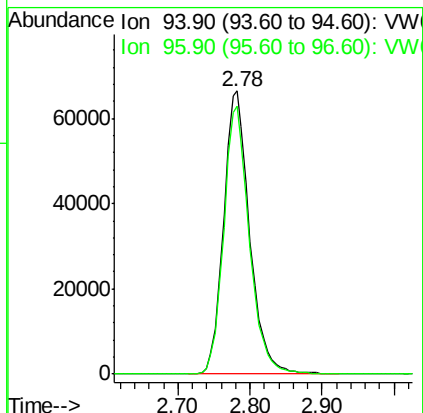
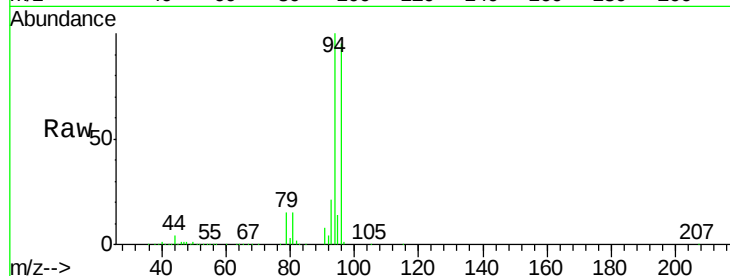
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 166056

Ion Ratio Lower Upper

94 100

96 94.8 76.0 114.0



#6

Chloroethane

Concen: 91.548 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015524.D

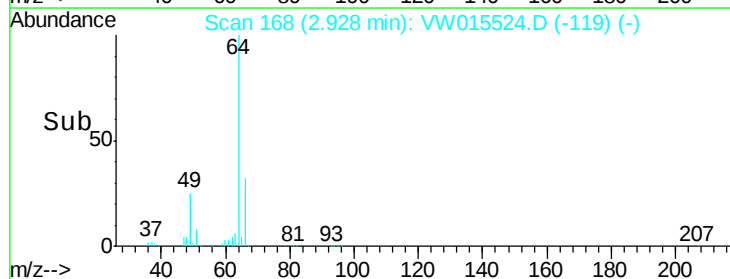
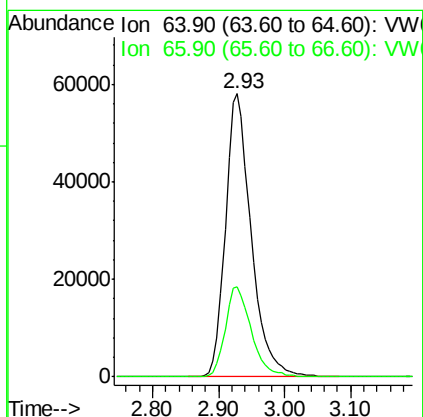
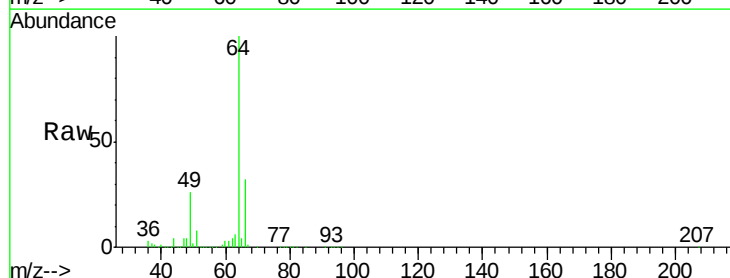
Acq: 02 Jun 2020 13:00

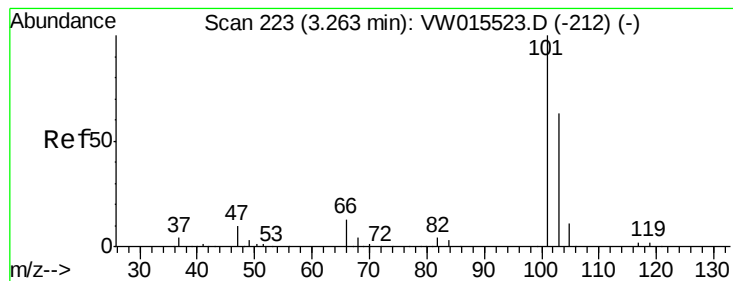
Tgt Ion: 64 Resp: 156498

Ion Ratio Lower Upper

64 100

66 31.9 26.8 40.2



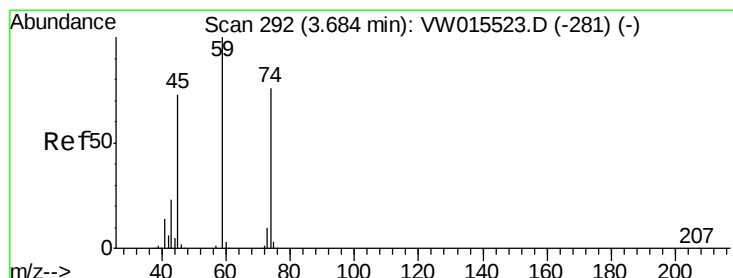
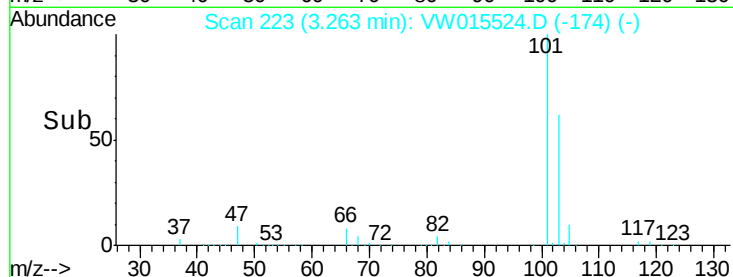
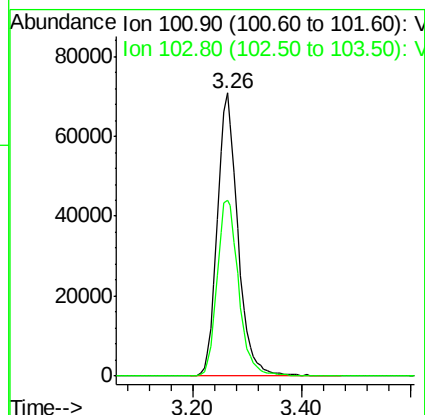
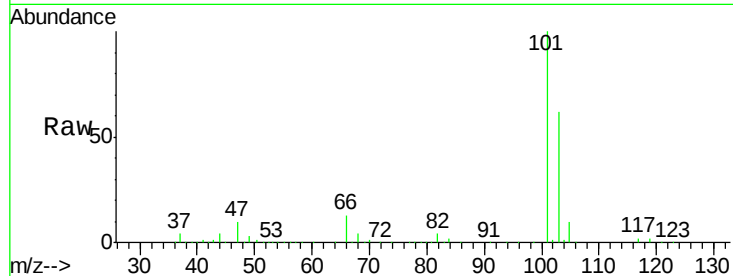


#7

Trichlorofluoromethane
Concen: 101.418 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :

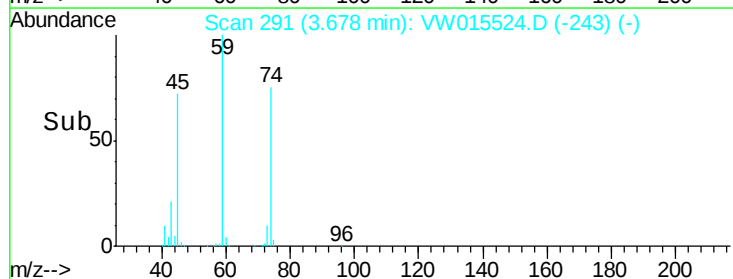
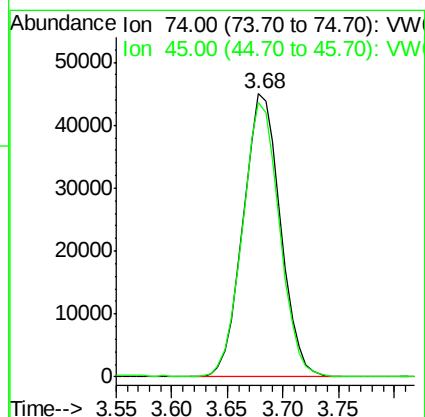
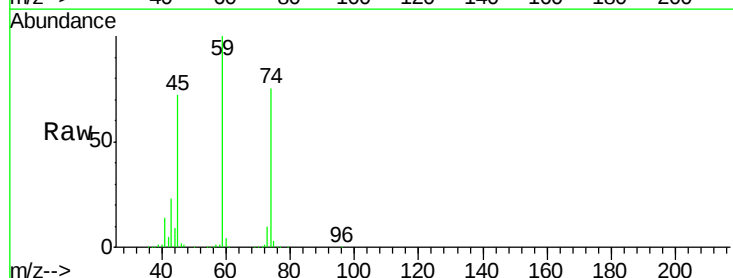
Tot Ion:101 Resp: 185976
Ion Ratio Lower Upper
101 100
103 61.9 50.2 75.2

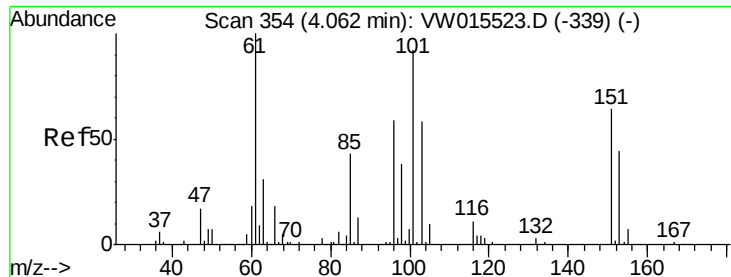


#8

Diethyl Ether
Concen: 90.720 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 74 Resp: 104814
Ion Ratio Lower Upper
74 100
45 96.1 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.265 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

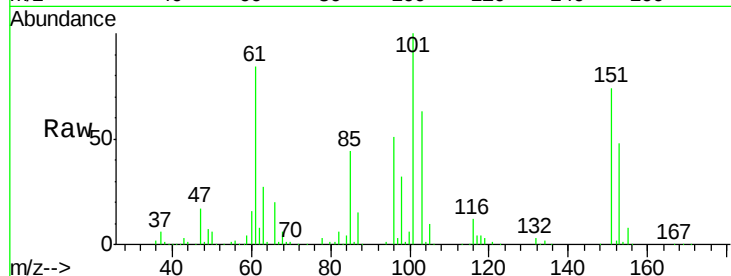
Tot Ion:101 Resp: 214414

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

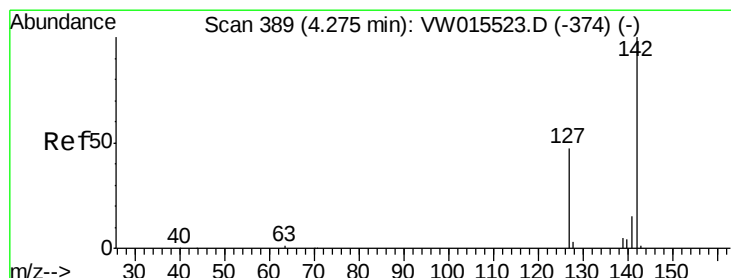
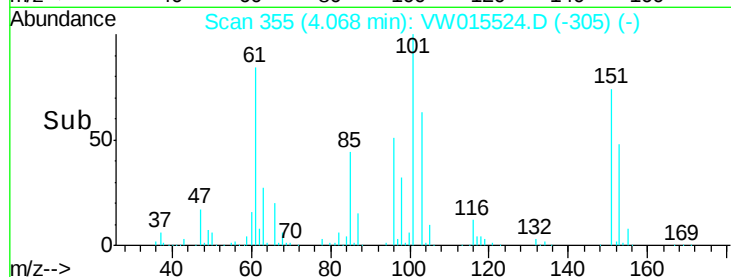
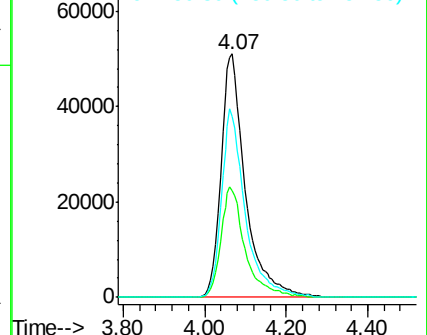
151 75.5 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 99.004 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

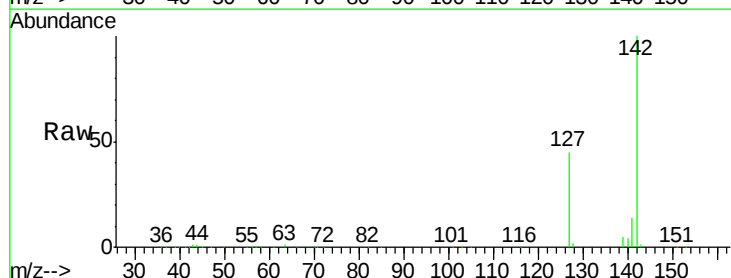
Tgt Ion:142 Resp: 320117

Ion Ratio Lower Upper

142 100

127 45.1 36.9 55.3

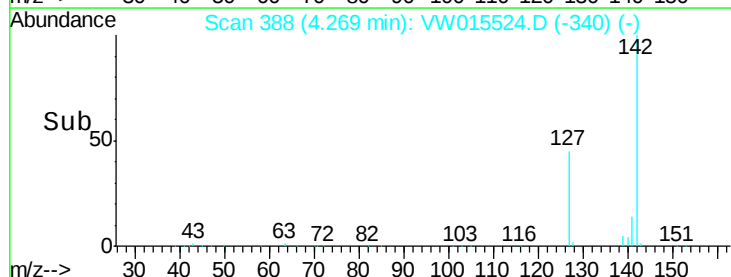
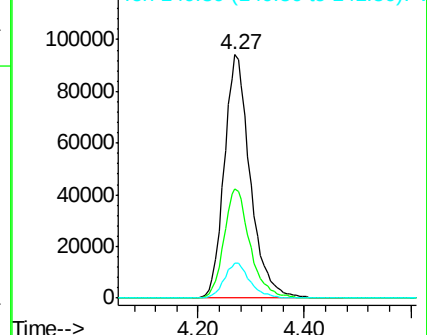
141 14.5 11.7 17.5

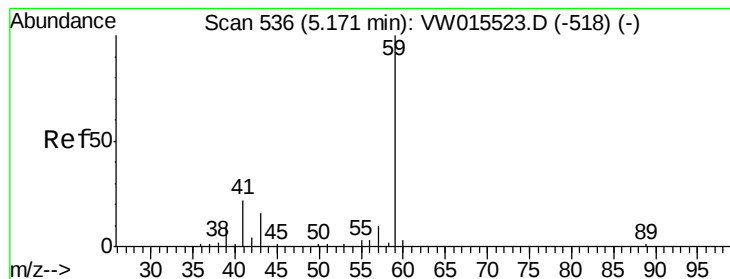


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



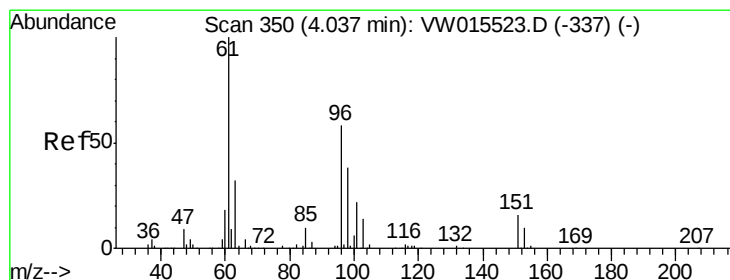
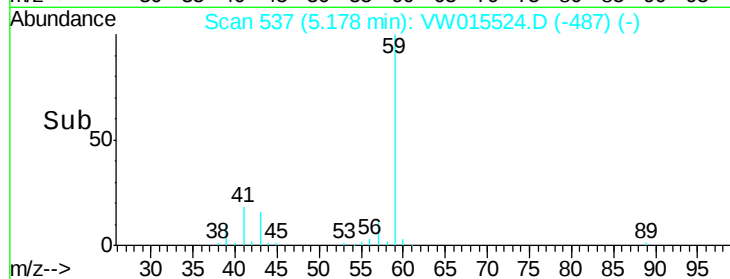
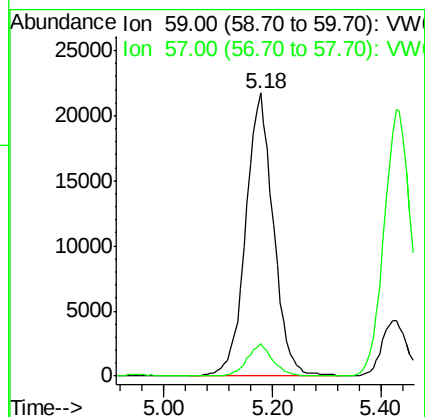
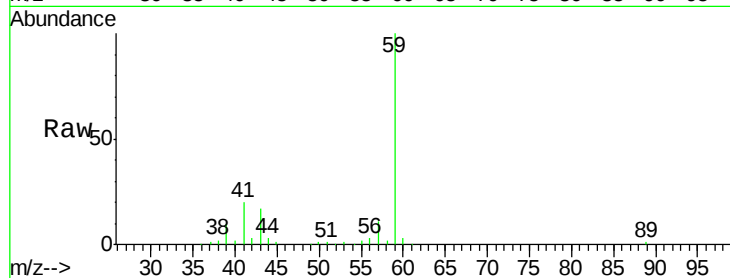


#11

Tert butyl alcohol
 Concen: 508.549 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampled :

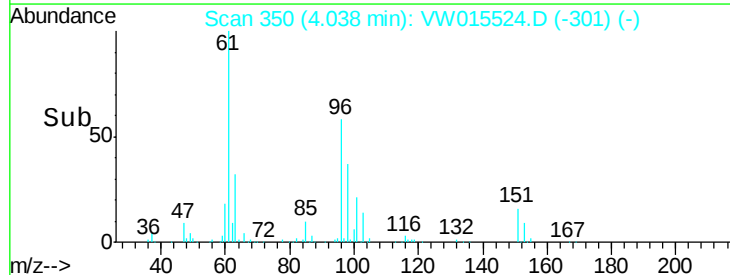
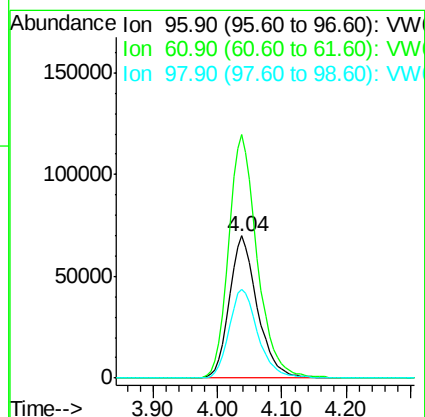
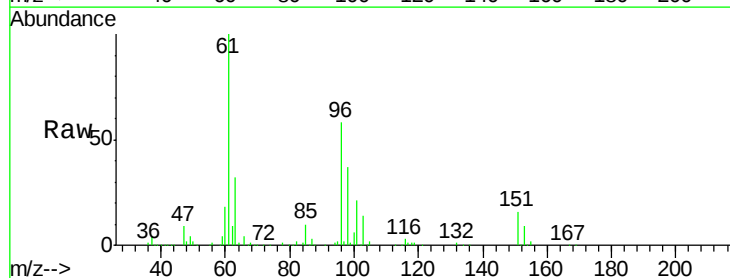
Tot Ion: 59 Resp: 77062
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

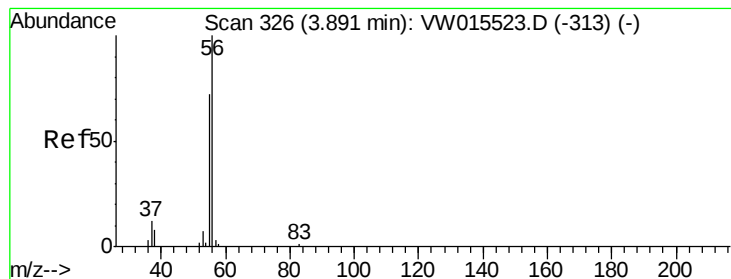


#12

1,1-Dichloroethene
 Concen: 97.158 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 96 Resp: 214337
 Ion Ratio Lower Upper
 96 100
 61 171.3 138.3 207.5
 98 62.7 52.2 78.4





#13

Acrolein

Concen: 371.346 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

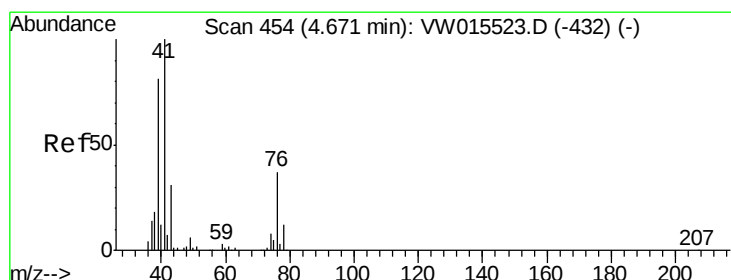
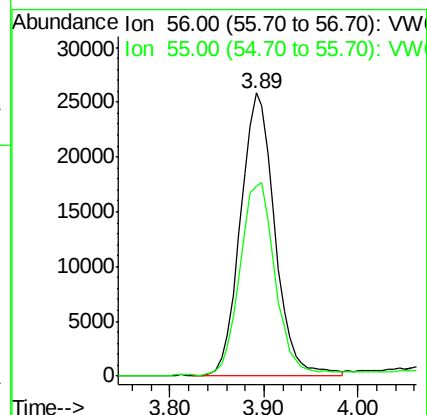
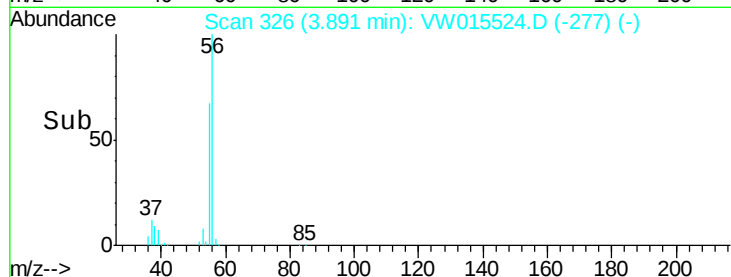
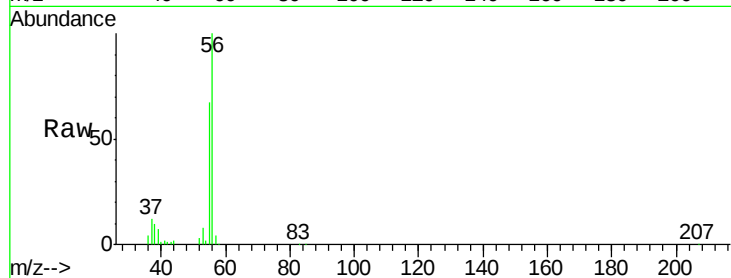
ClientSampleId :

Tot Ion: 56 Resp: 66047

Ion Ratio Lower Upper

56 100

55 69.1 56.5 84.7



#14

Allyl chloride

Concen: 94.061 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

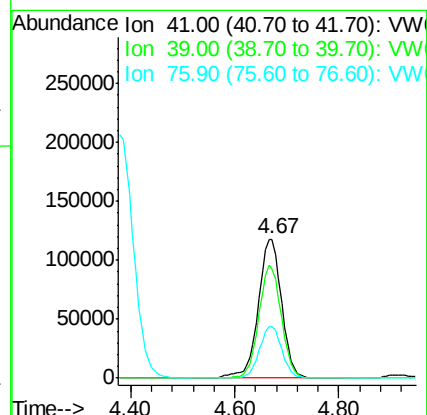
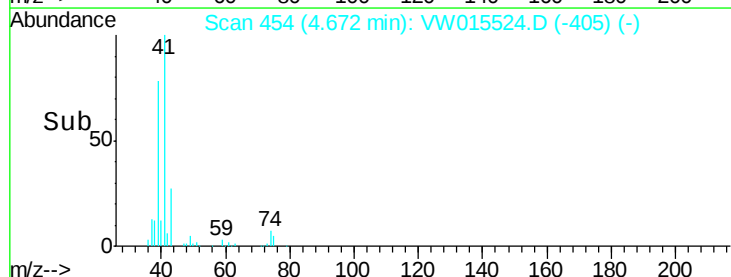
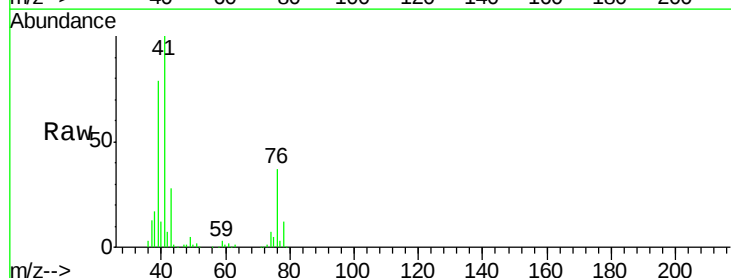
Tgt Ion: 41 Resp: 363202

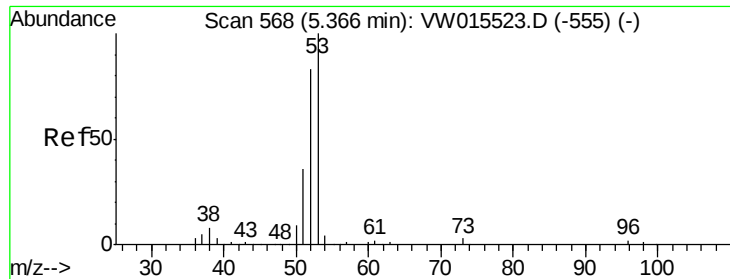
Ion Ratio Lower Upper

41 100

39 78.3 63.1 94.7

76 35.6 28.6 43.0





#15

Acrylonitrile

Concen: 468.923 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

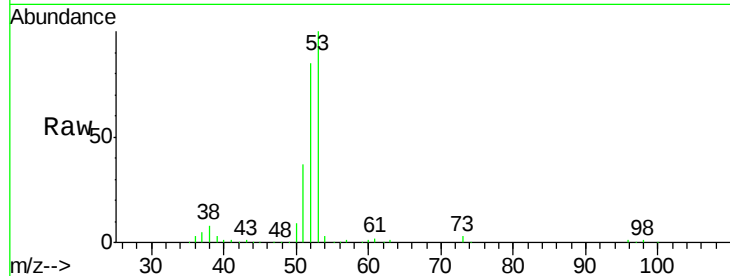
Tot Ion: 53 Resp: 222403

Ion Ratio Lower Upper

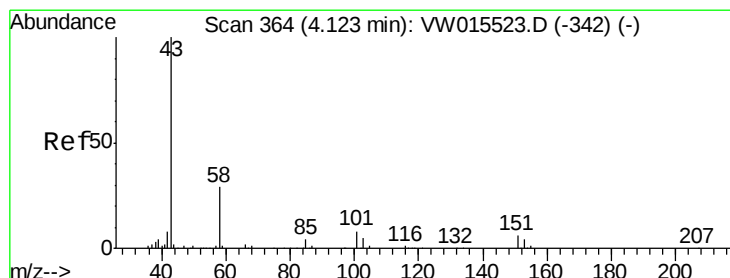
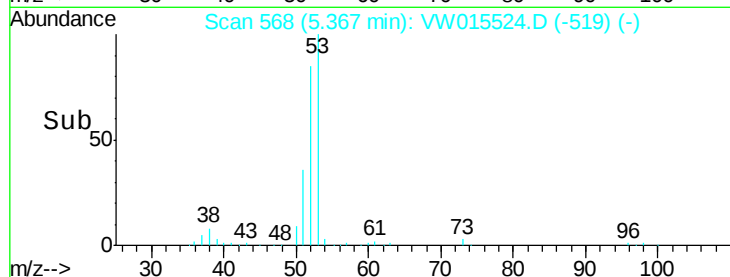
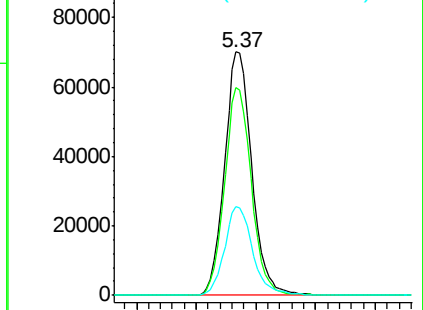
53 100

52 83.9 66.1 99.1

51 37.9 30.2 45.4



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: 611.068 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015524.D

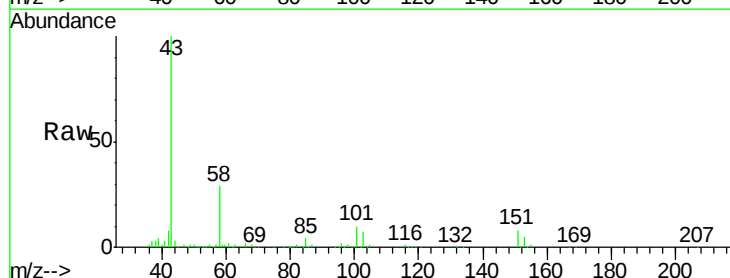
Acq: 02 Jun 2020 13:00

Tgt Ion: 43 Resp: 264255

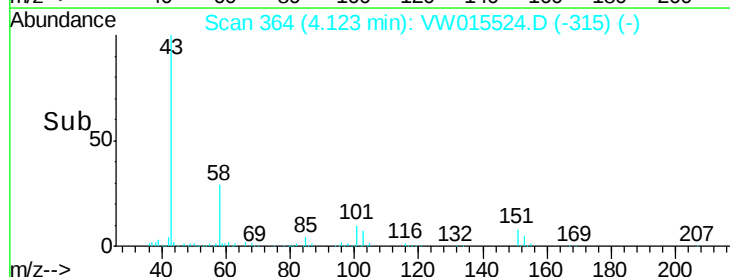
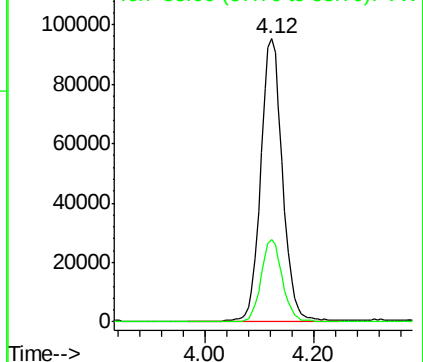
Ion Ratio Lower Upper

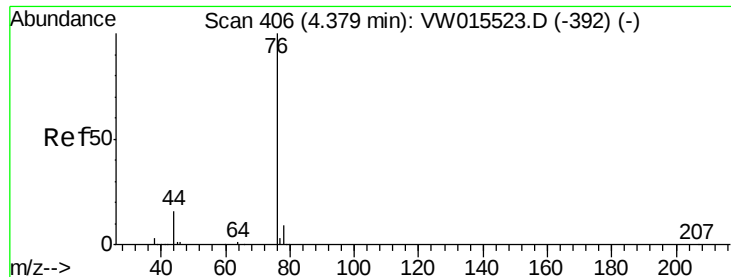
43 100

58 29.1 23.1 34.7



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





#17

Carbon Disulfide

Concen: 96.082 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

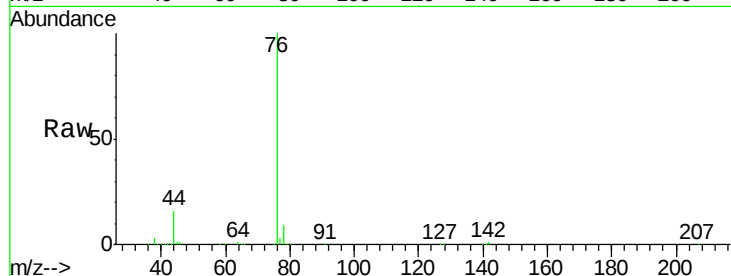
ClientSampled :

Tot Ion: 76 Resp: 646932

Ion Ratio Lower Upper

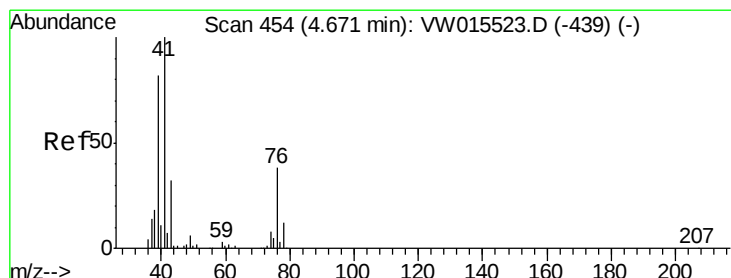
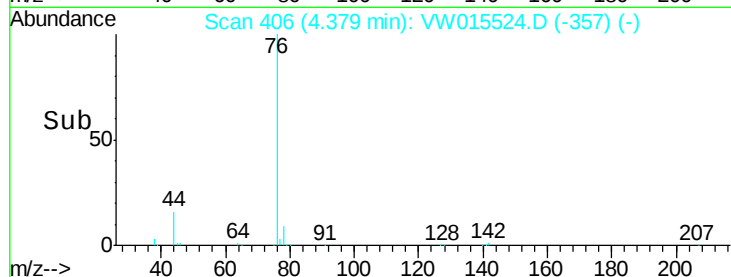
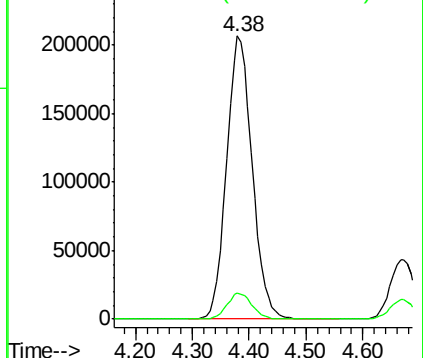
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 92.084 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015524.D

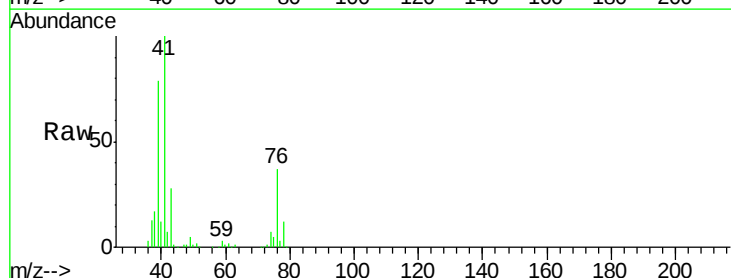
Acq: 02 Jun 2020 13:00

Tgt Ion: 43 Resp: 97422

Ion Ratio Lower Upper

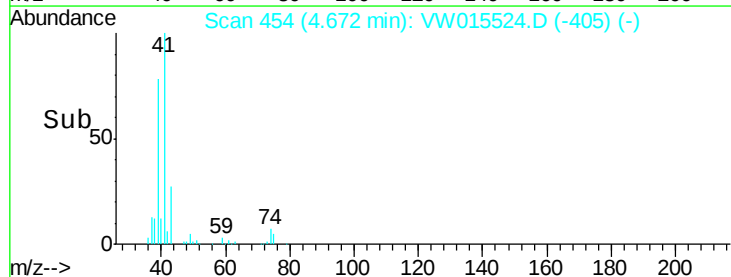
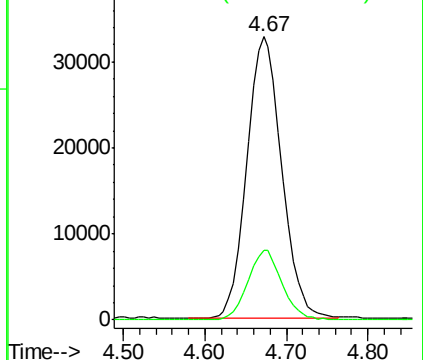
43 100

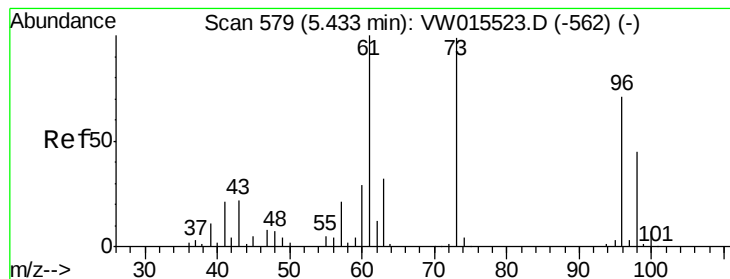
74 24.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



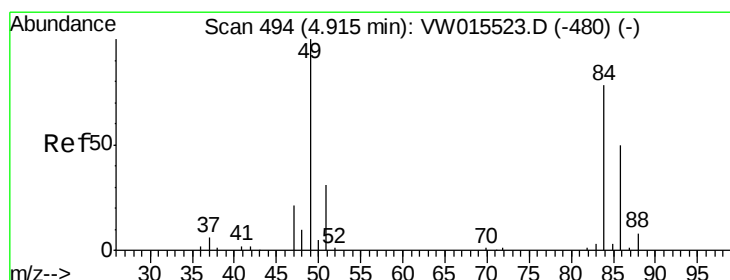
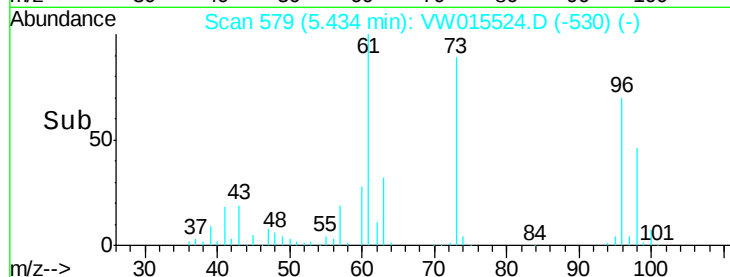
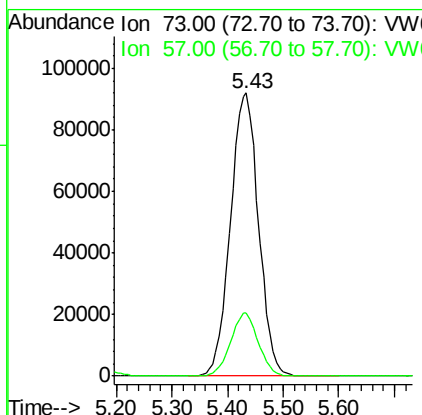
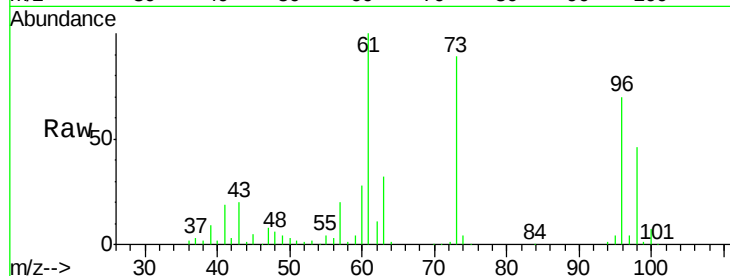


#19

Methyl tert-butyl Ether
 Concen: 89.540 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampled :

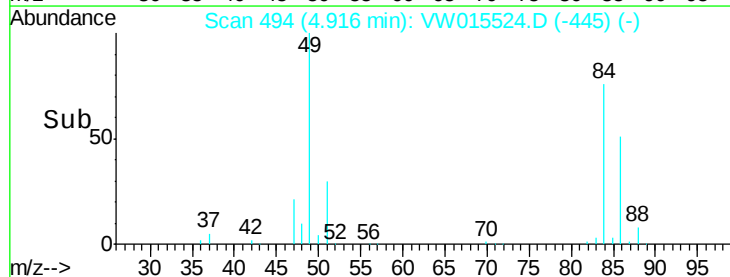
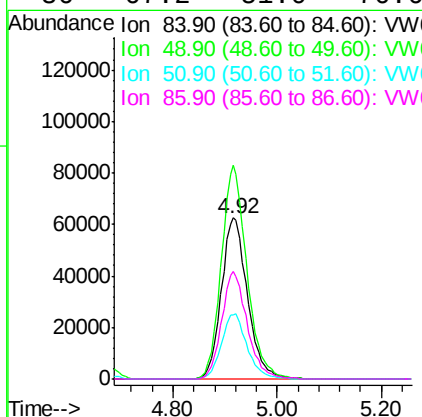
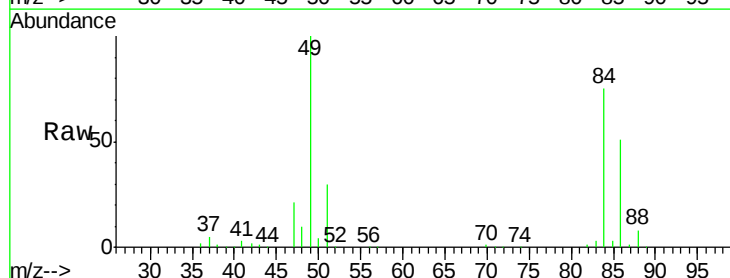
Tot Ion: 73 Resp: 320457
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.1 25.7

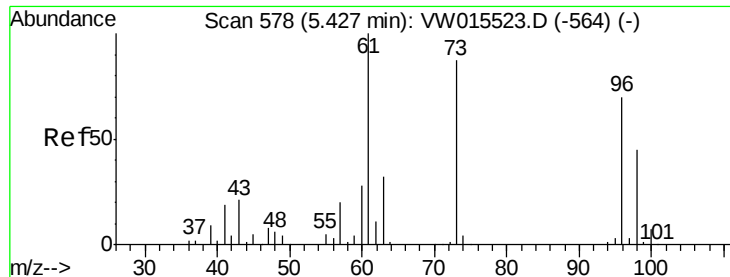


#20

Methylene Chloride
 Concen: 86.107 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 84 Resp: 220599
 Ion Ratio Lower Upper
 84 100
 49 132.7 102.8 154.2
 51 40.1 31.4 47.2
 86 67.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 96.460 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

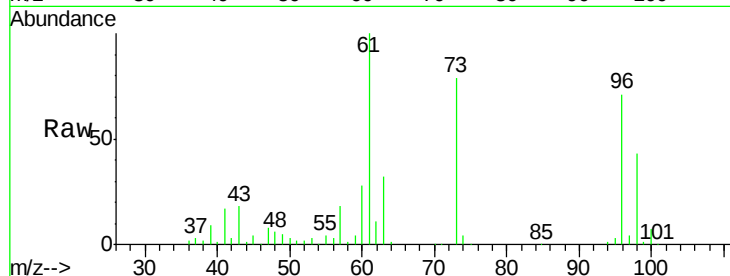
Tot Ion: 96 Resp: 242192

Ion Ratio Lower Upper

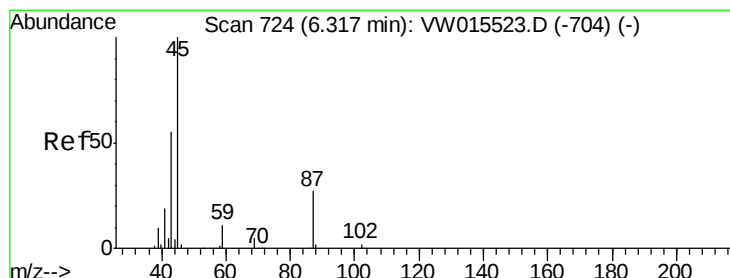
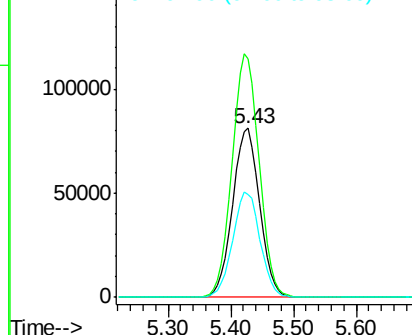
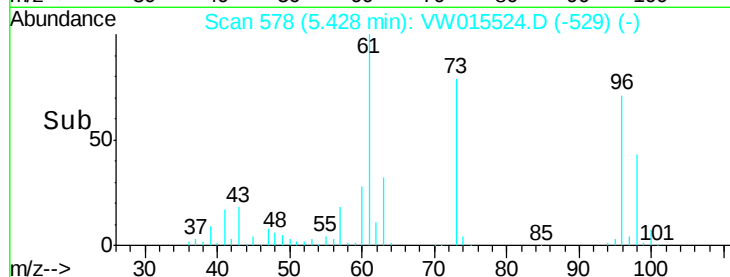
96 100

61 141.5 114.3 171.5

98 60.7 51.0 76.4



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



#22

Diisopropyl ether

Concen: 91.145 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 45 Resp: 687395

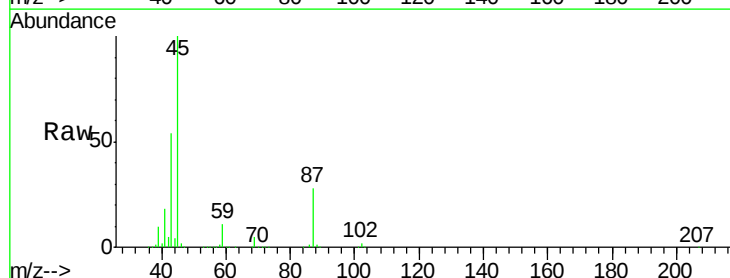
Ion Ratio Lower Upper

45 100

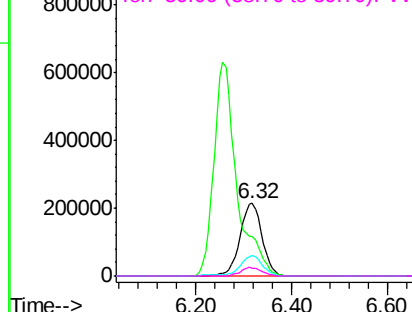
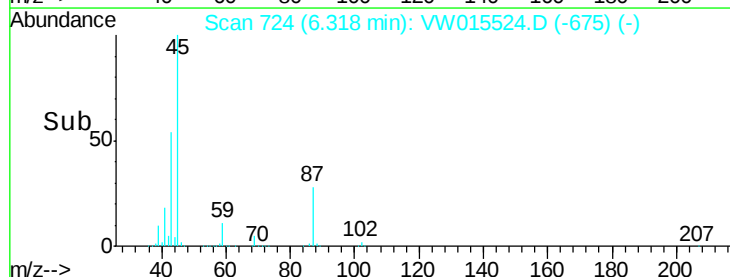
43 54.0 44.1 66.1

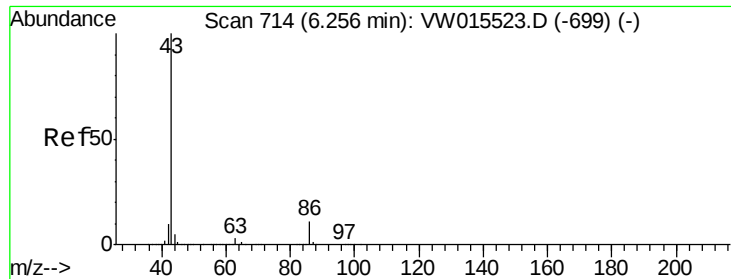
87 27.6 21.8 32.8

59 11.3 9.0 13.6



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





#23

Vinyl Acetate

Concen: 453.764 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

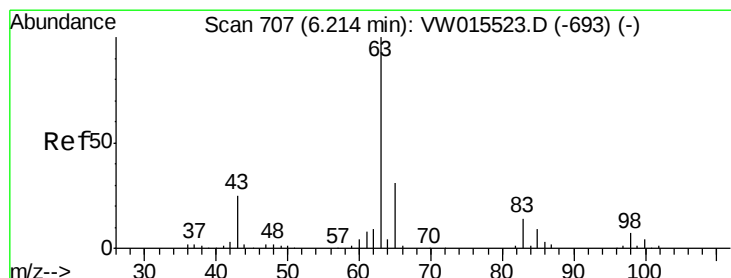
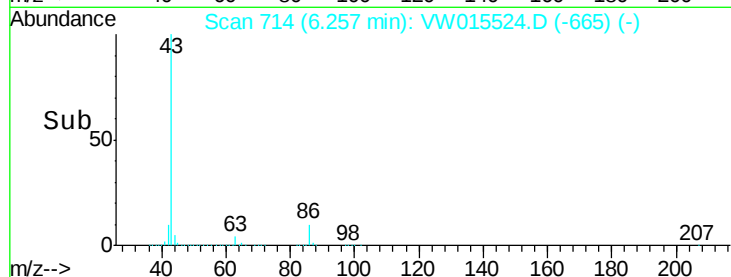
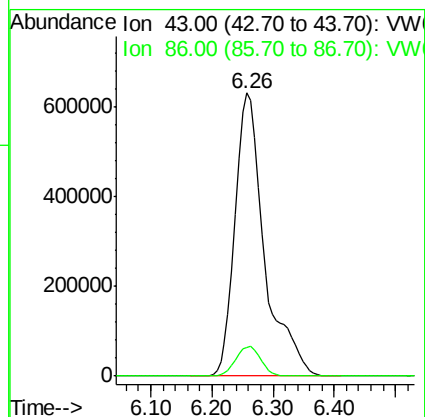
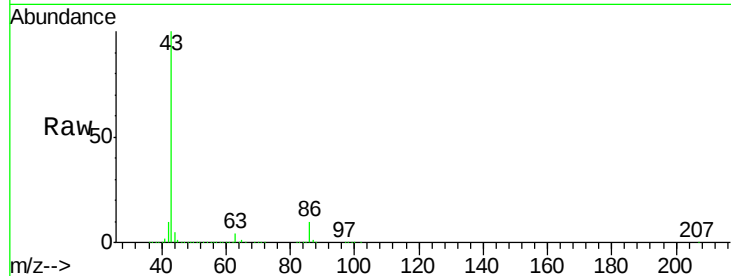
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2090794

Ion Ratio Lower Upper

43 100

86 10.3 8.6 12.8



#24

1,1-Dichloroethane

Concen: 94.554 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

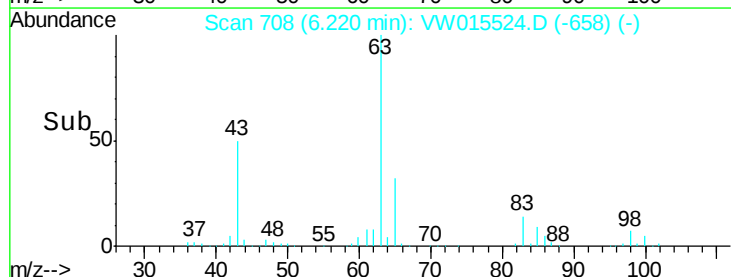
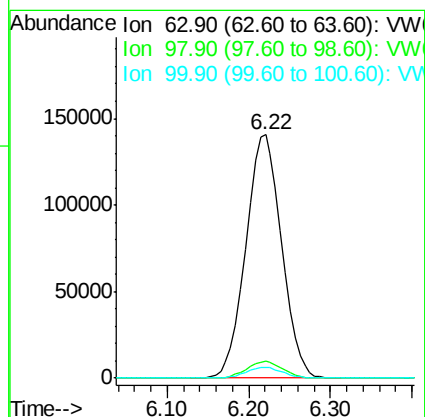
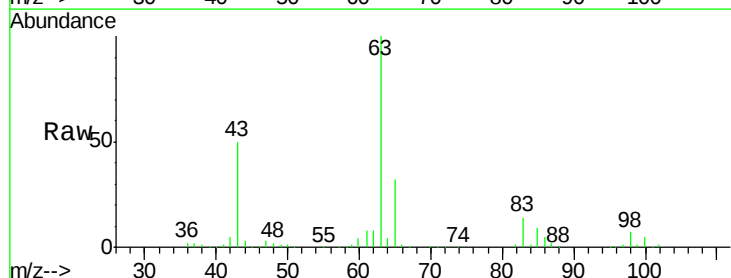
Tgt Ion: 63 Resp: 428326

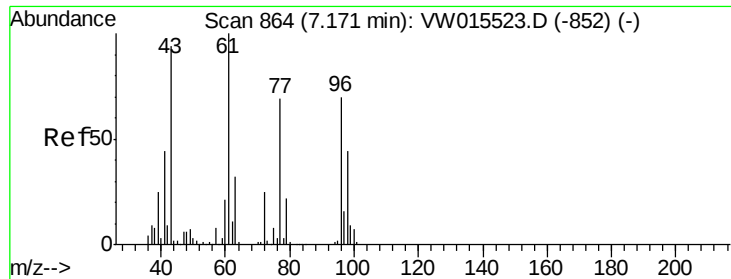
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 505.102 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

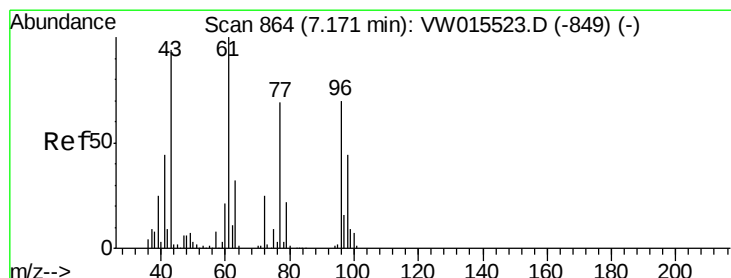
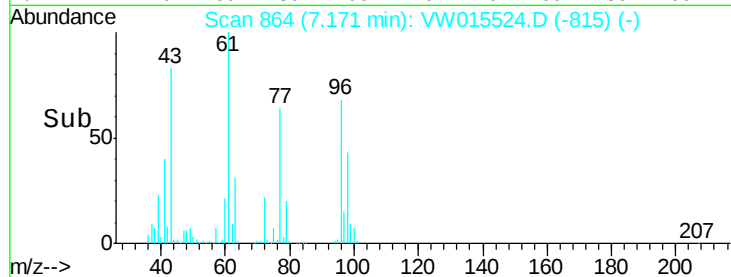
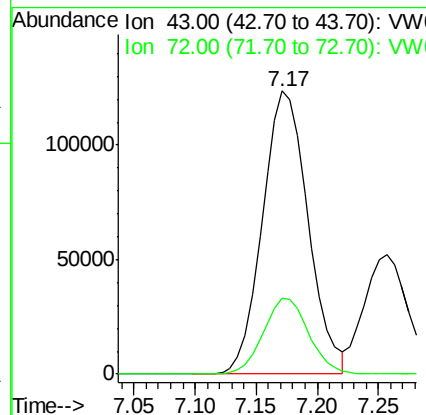
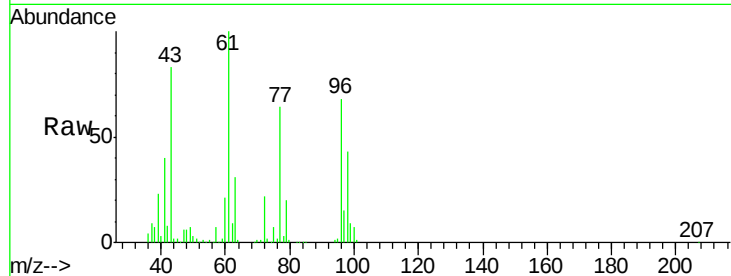
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 320437

Ion Ratio Lower Upper

43 100

72 26.9 21.0 31.4



#26

2,2-Dichloropropane

Concen: 93.869 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015524.D

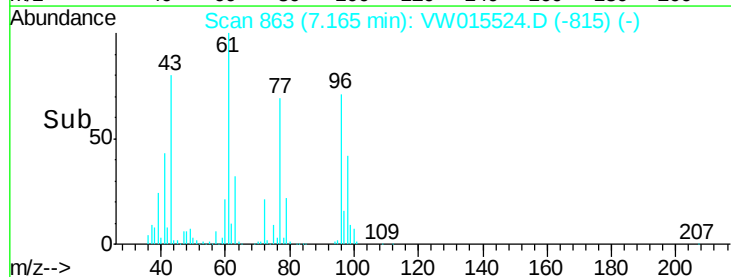
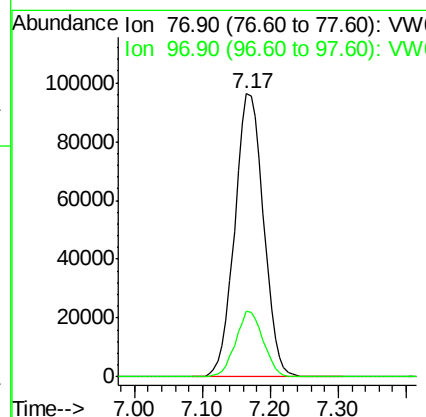
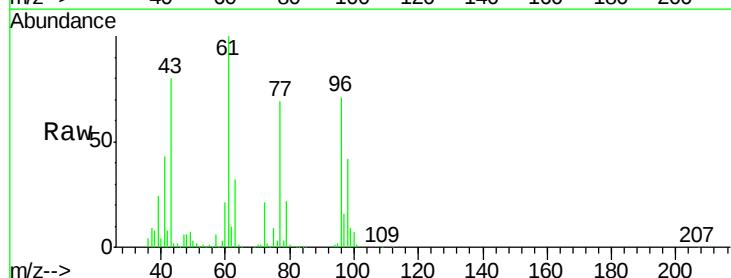
Acq: 02 Jun 2020 13:00

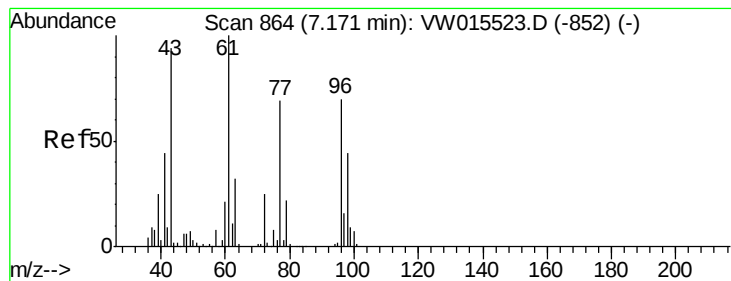
Tgt Ion: 77 Resp: 282860

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3



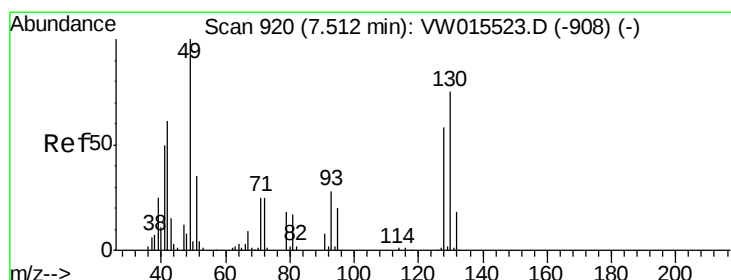
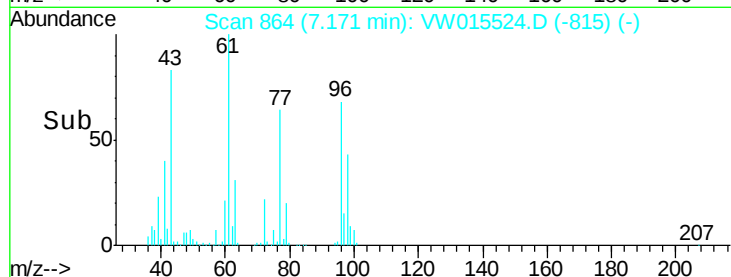
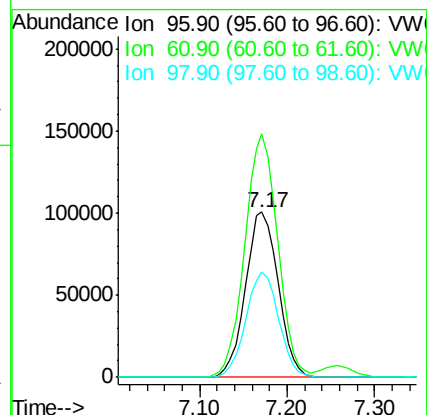
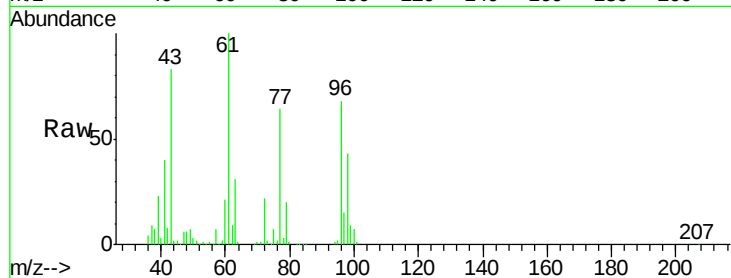


#27

cis-1,2-Dichloroethene
Concen: 96.004 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :

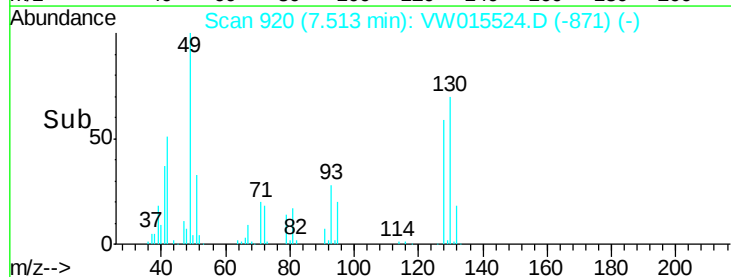
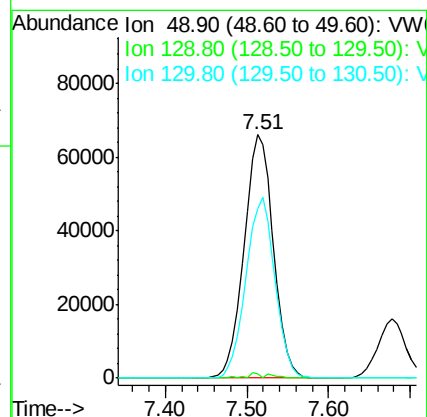
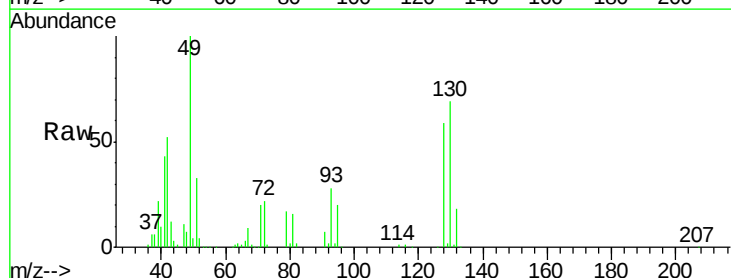
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	293.0
98	63.9	0.0	127.2

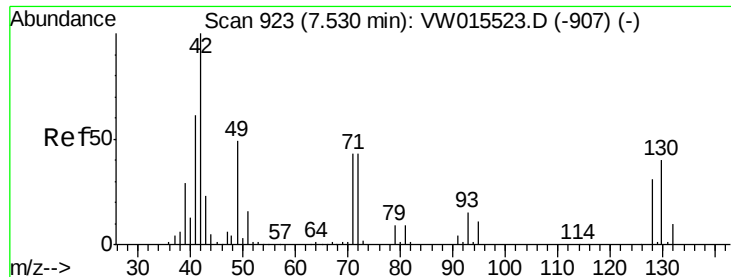


#28

Bromochloromethane
Concen: 91.252 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.0
130	74.0	59.7	89.5

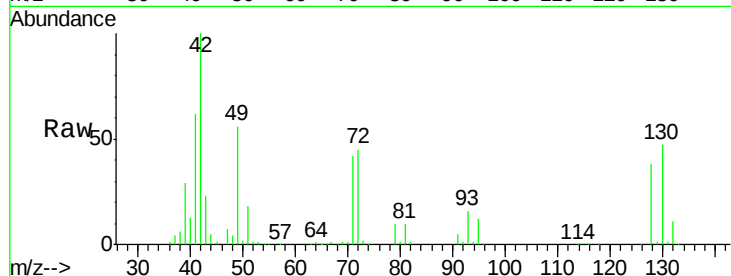




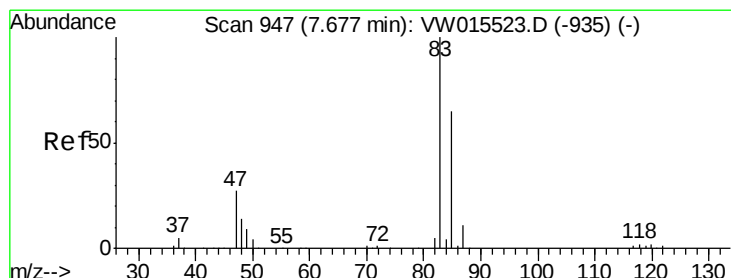
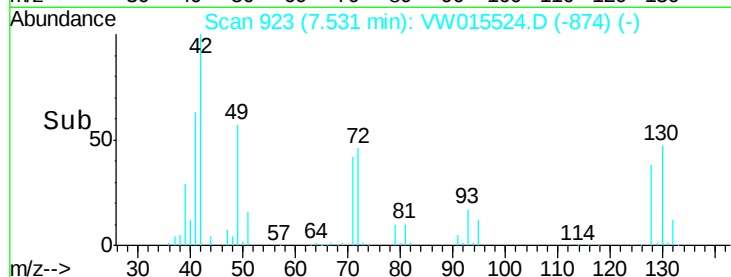
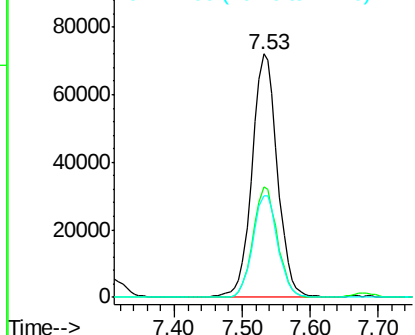
#29
Tetrahydrofuran
Concen: 463.493 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 187912
Ion Ratio Lower Upper
42 100
72 43.9 34.8 52.2
71 41.3 33.3 49.9

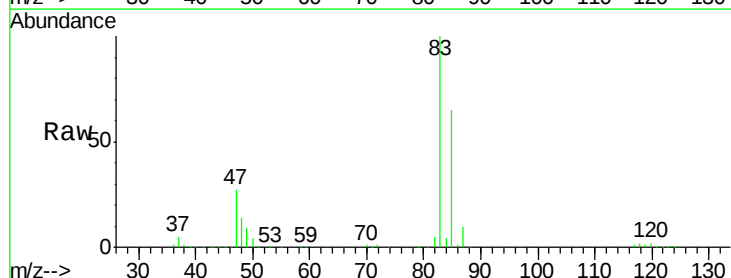


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

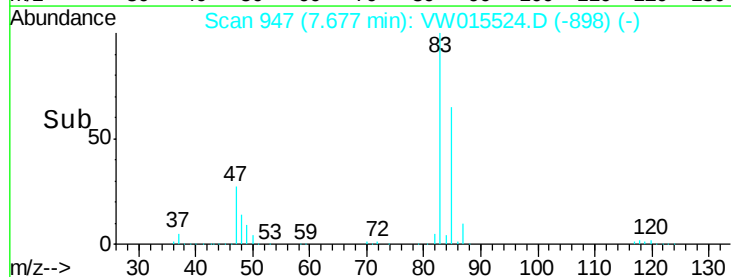
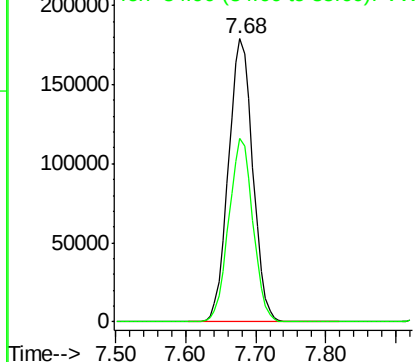


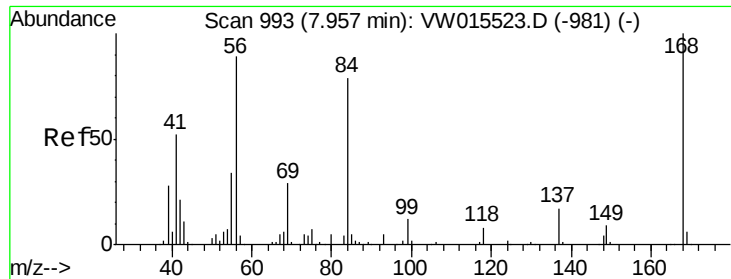
#30
Chloroform
Concen: 95.784 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 83 Resp: 432101
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4



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

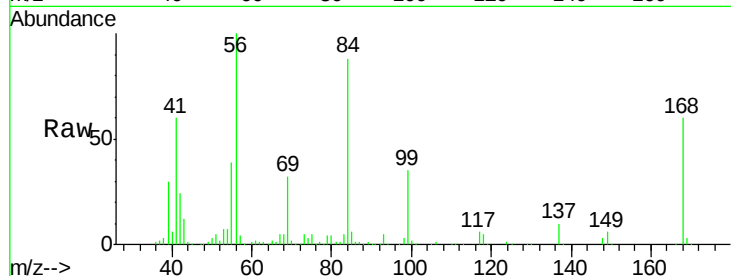




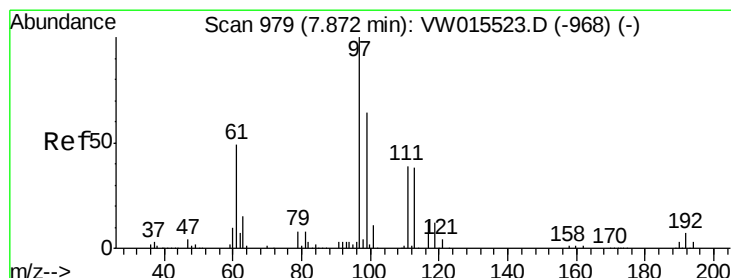
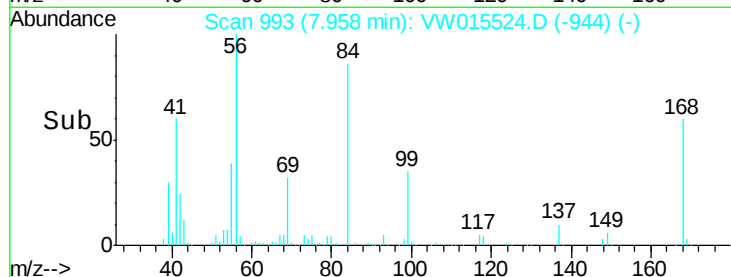
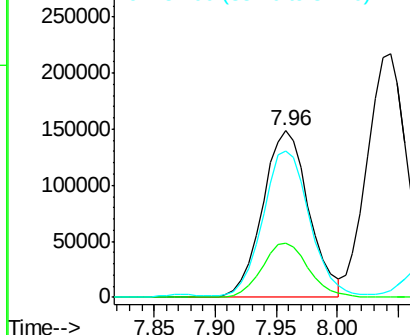
#31
Cyclohexane
Concen: 85.751 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 389968
Ion Ratio Lower Upper
56 100
69 32.4 26.3 39.5
84 86.6 71.0 106.4

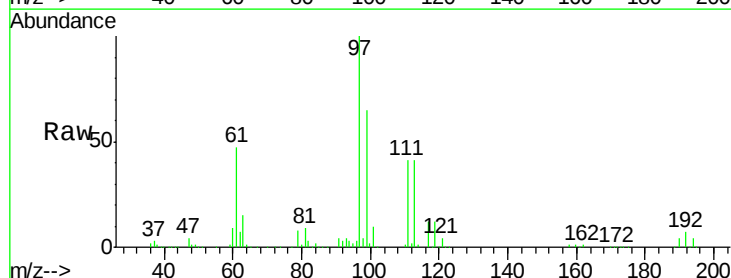


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

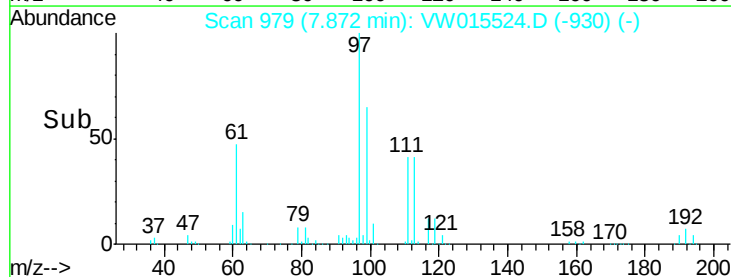
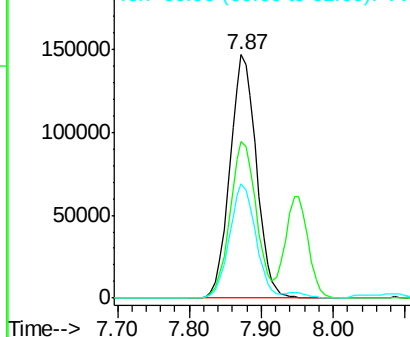


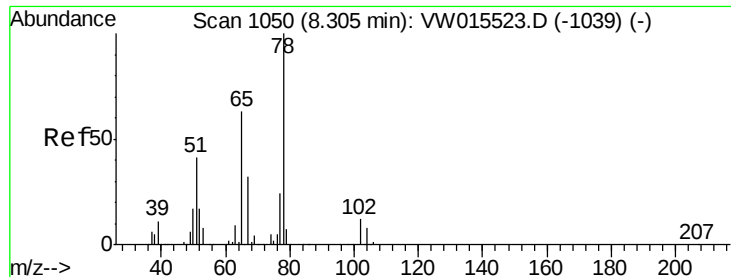
#32
1,1,1-Trichloroethane
Concen: 98.652 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 97 Resp: 373703
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 46.5 37.8 56.8



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

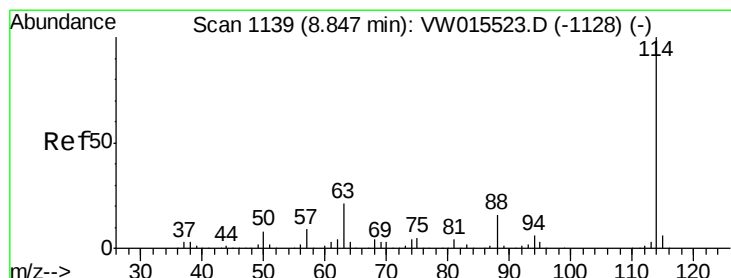
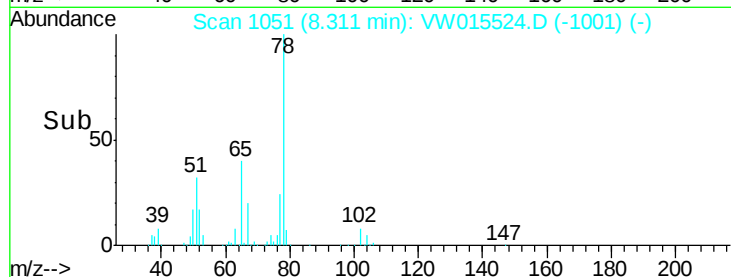
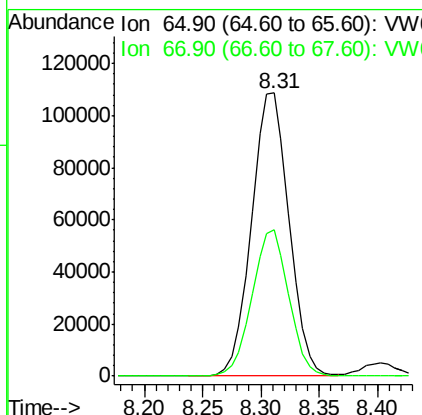
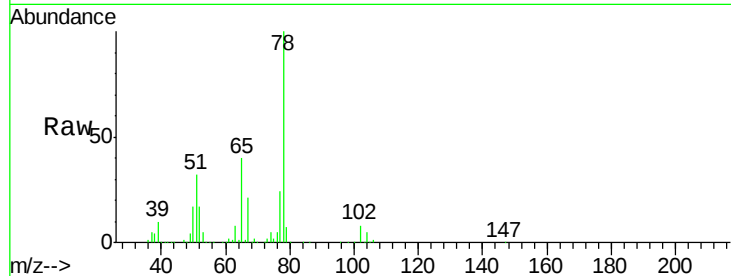




#33
 1,2-Dichloroethane-d4
 Concen: 97.604 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

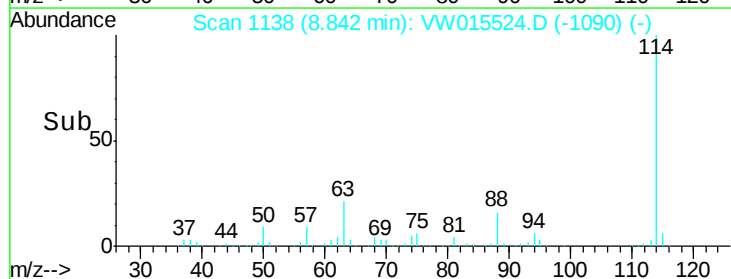
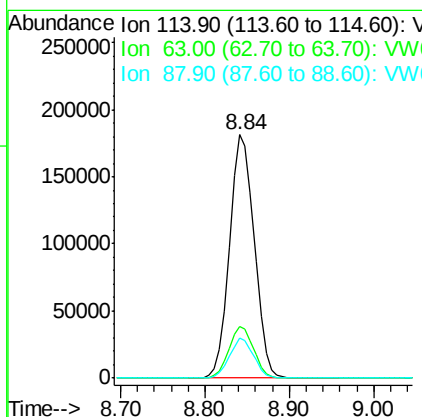
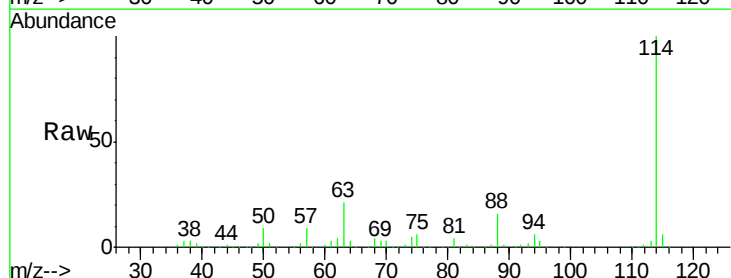
Instrument :
 MSVOA_W
 ClientSampled :

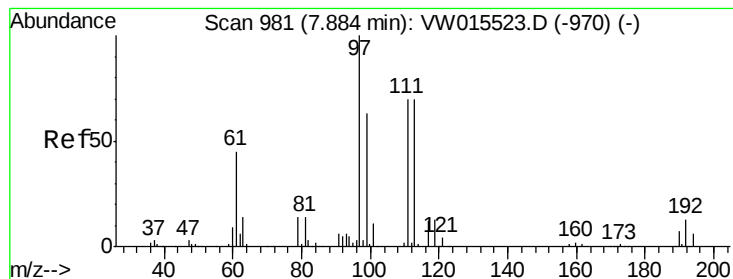
Tot Ion: 65 Resp: 242509
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 114 Resp: 359823
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.0
 88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 105.564 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

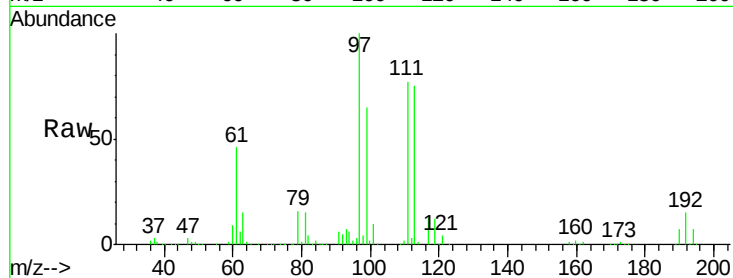
Tot Ion:113 Resp: 218805

Ion Ratio Lower Upper

113 100

111 102.4 83.3 124.9

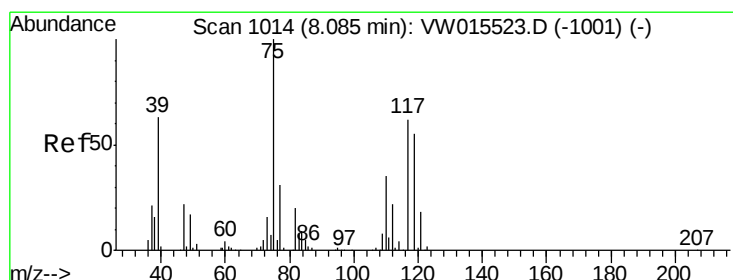
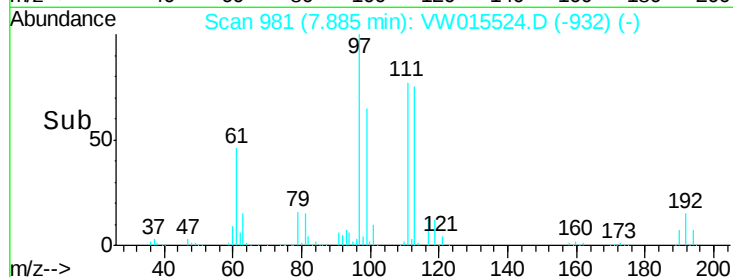
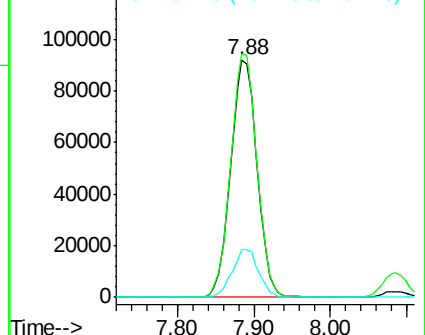
192 20.2 15.8 23.6



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: 99.091 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

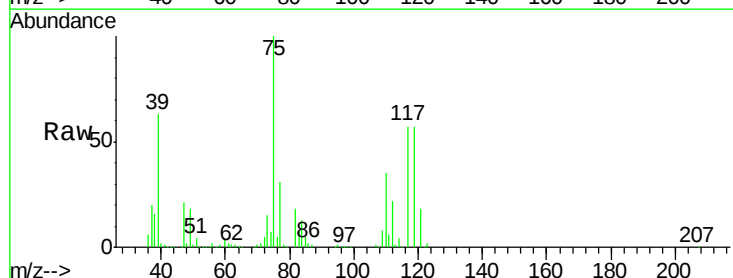
Tgt Ion: 75 Resp: 353859

Ion Ratio Lower Upper

75 100

110 34.1 17.2 51.6

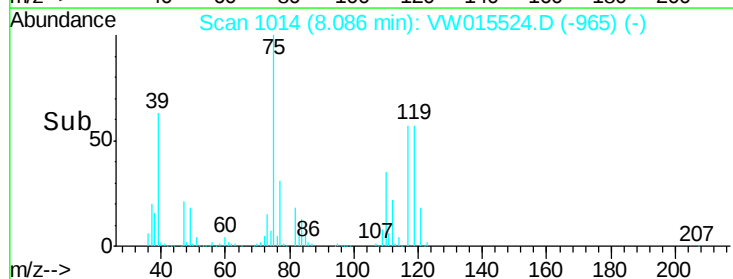
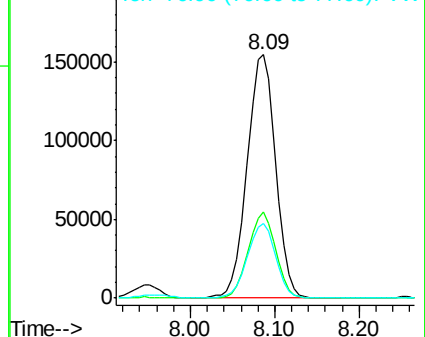
77 30.7 25.0 37.4

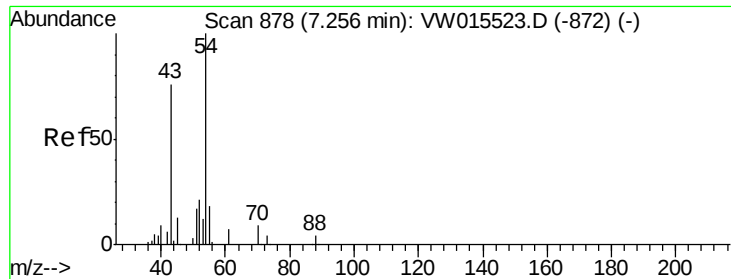


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

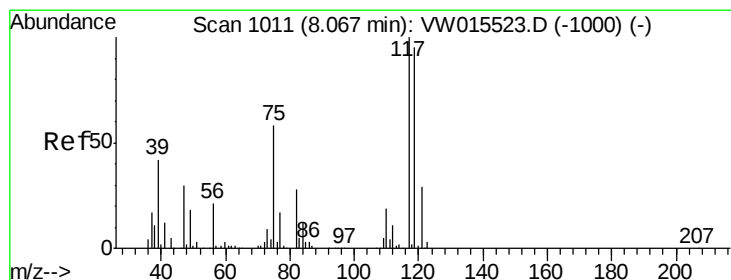
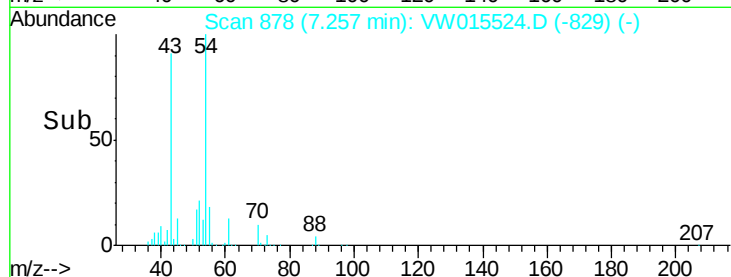
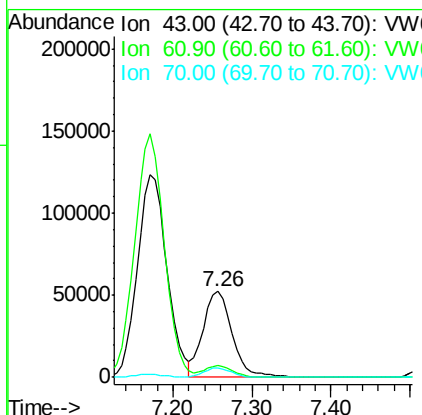
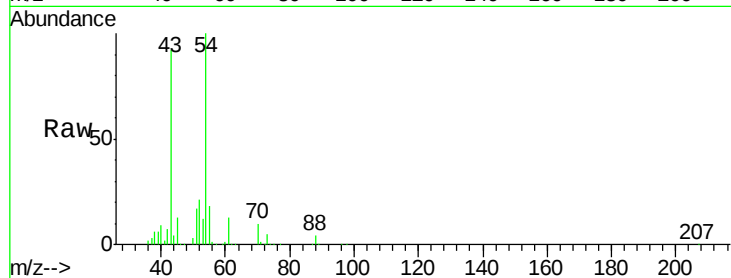




#37
Ethyl Acetate
Concen: 94.942 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

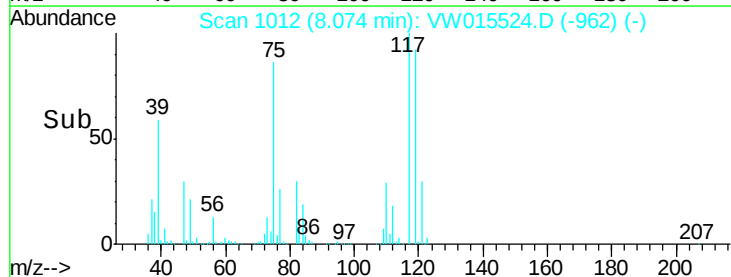
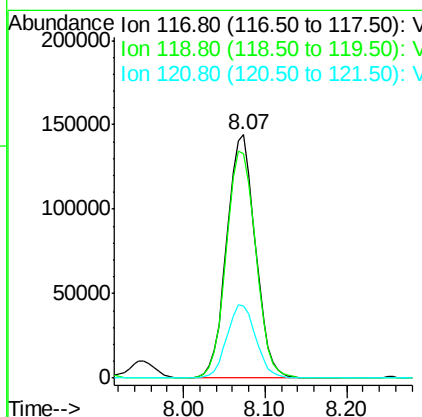
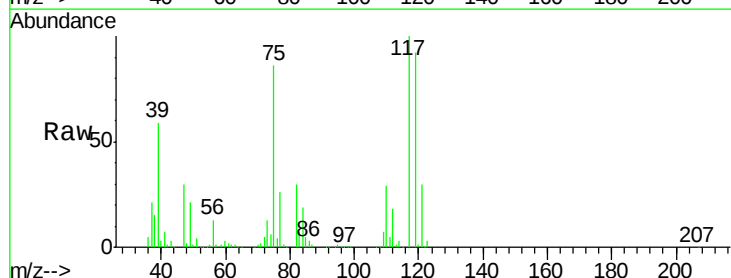
Instrument :
MSVOA_W
ClientSampleId :

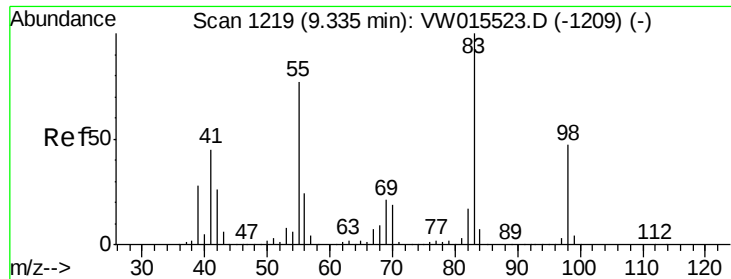
Tot Ion: 43 Resp: 133513
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 103.512 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 117 Resp: 349697
Ion Ratio Lower Upper
117 100
119 92.0 75.9 113.9
121 29.7 23.5 35.3

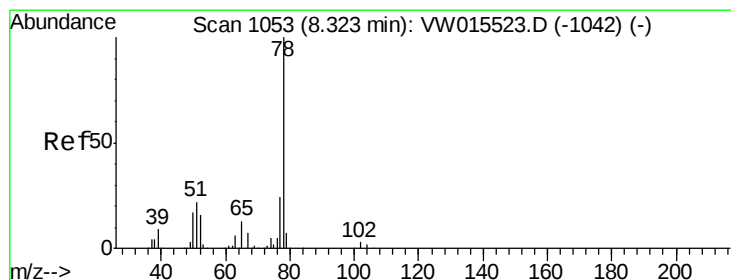
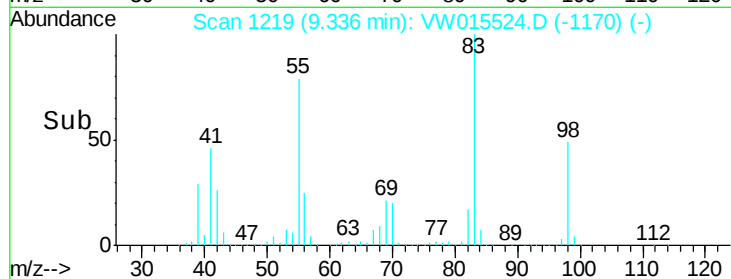
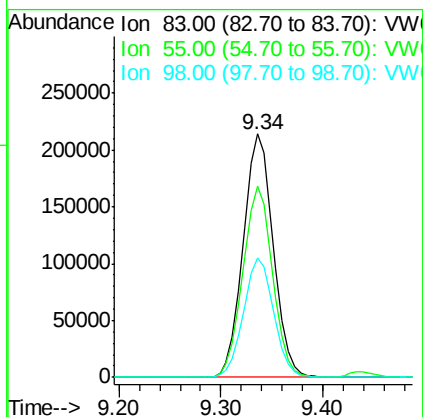
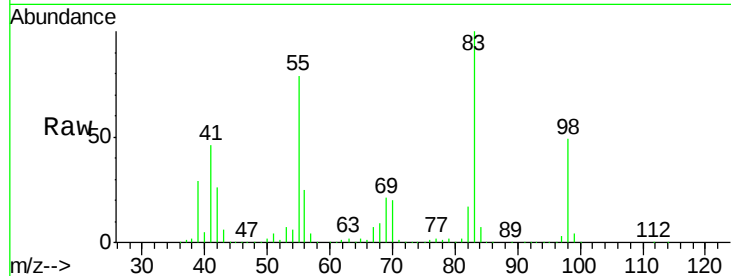




#39
Methvlcvclohexane
Concen: 97.027 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

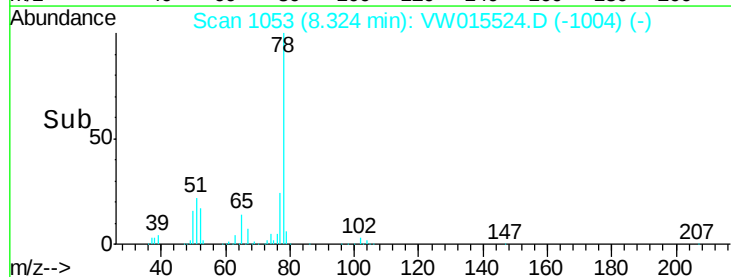
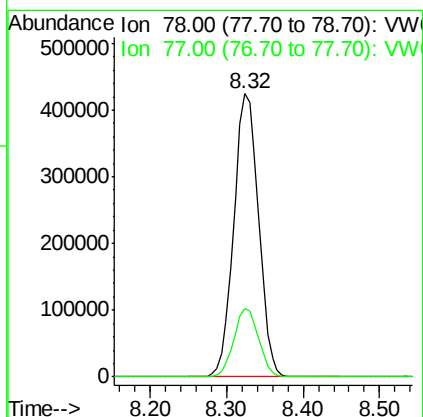
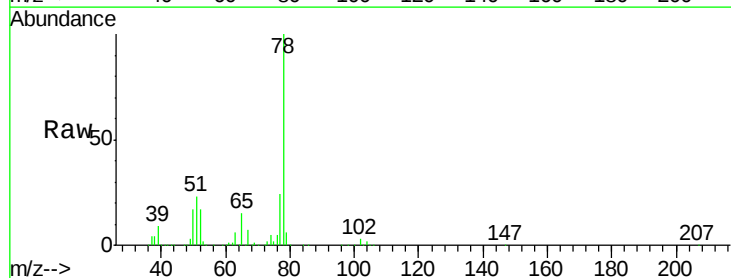
Instrument :
MSVOA_W
ClientSampled :

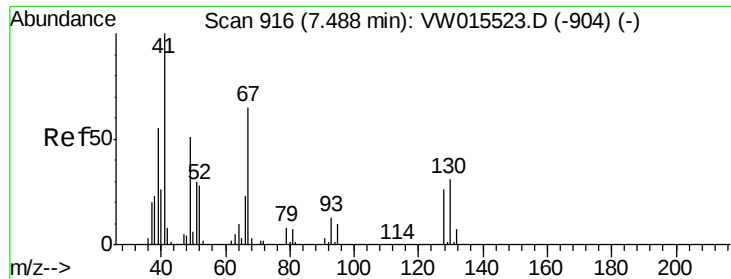
Tot Ion: 83 Resp: 438774
Ion Ratio Lower Upper
83 100
55 78.6 61.7 92.5
98 48.9 37.7 56.5



#40
Benzene
Concen: 97.322 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 78 Resp: 951787
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

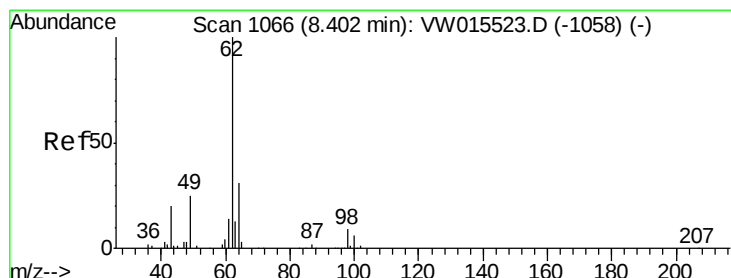
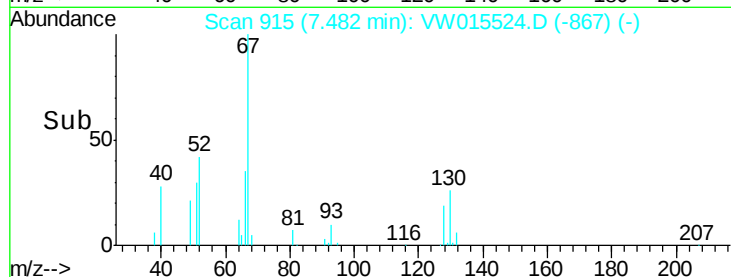
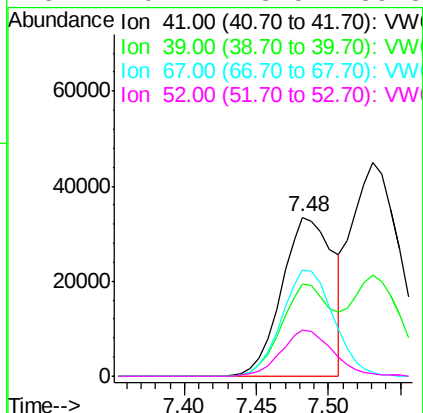
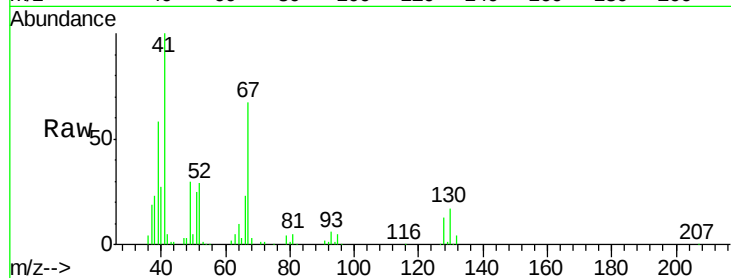




#41
Methacrylonitrile
Concen: 93.009 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

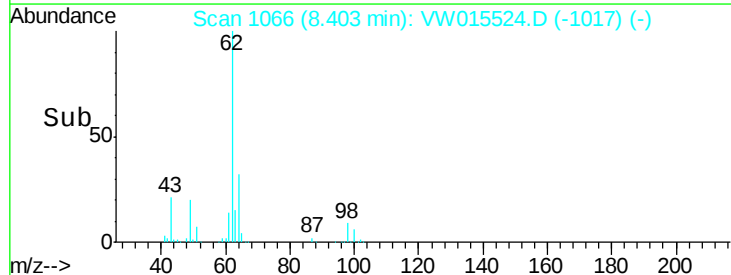
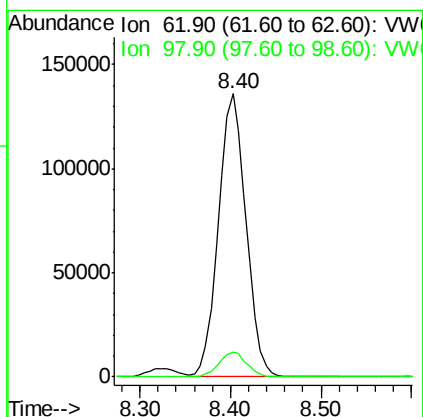
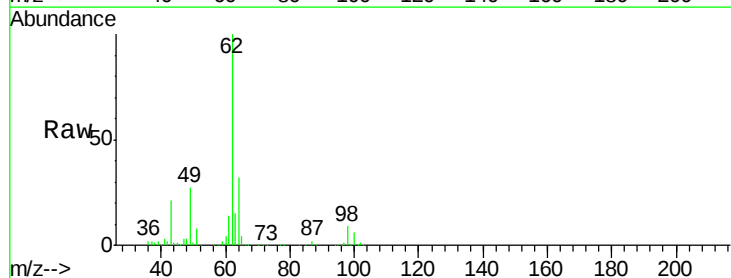
Instrument :
MSVOA_W
ClientSampled :

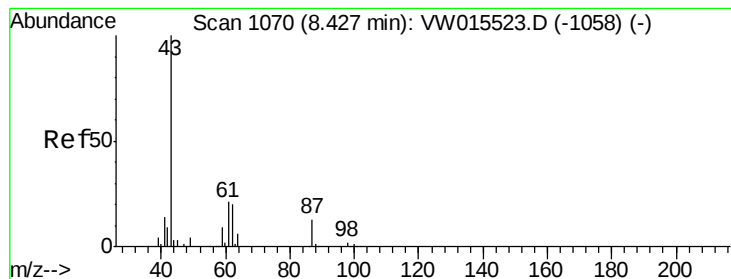
Tot Ion:	41	Resp:	83418
Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.5	66.7
67	67.3	53.1	79.7
52	29.2	23.5	35.3



#42
1,2-Dichloroethane
Concen: 96.081 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:	62	Resp:	287862
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 92.859 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

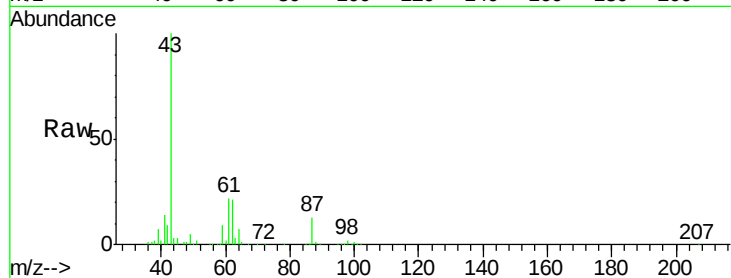
Tot Ion: 43 Resp: 274839

Ion Ratio Lower Upper

43 100

61 30.3 23.8 35.8

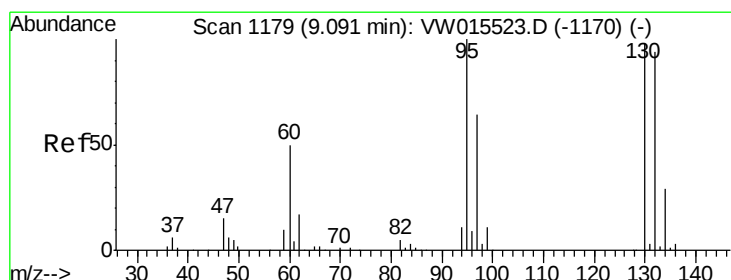
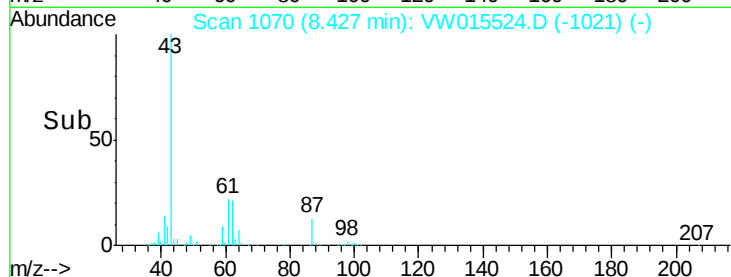
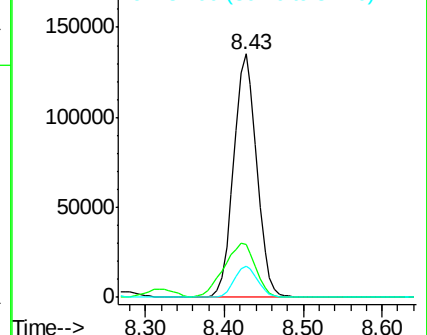
87 13.0 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 101.513 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015524.D

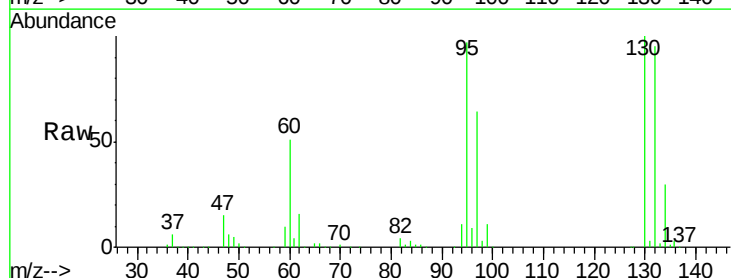
Acq: 02 Jun 2020 13:00

Tgt Ion: 130 Resp: 257693

Ion Ratio Lower Upper

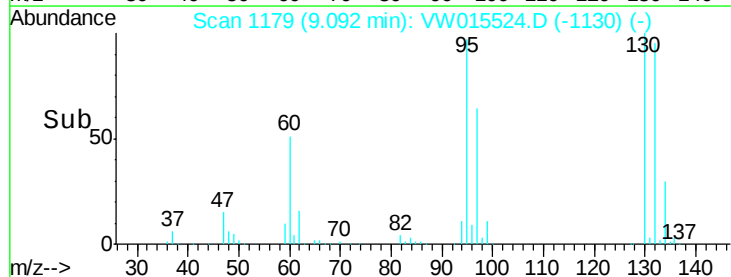
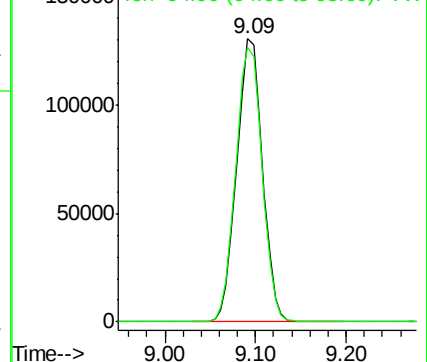
130 100

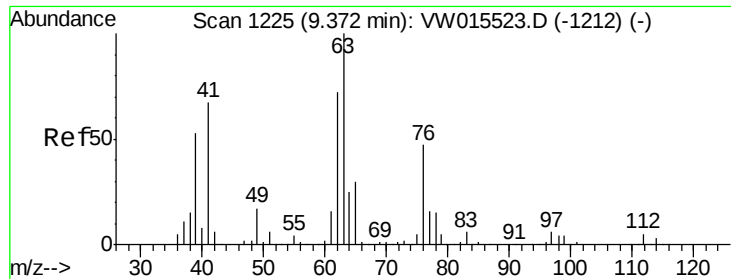
95 97.1 0.0 204.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

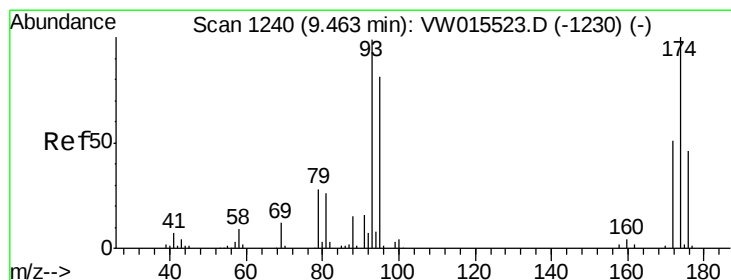
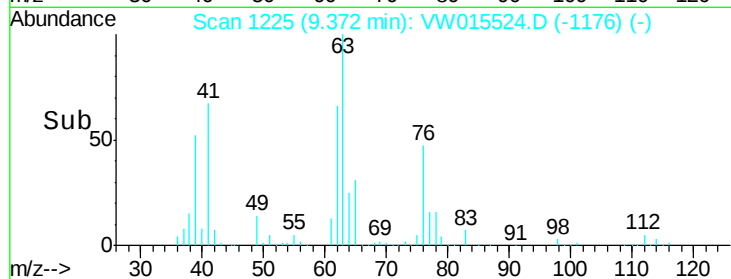
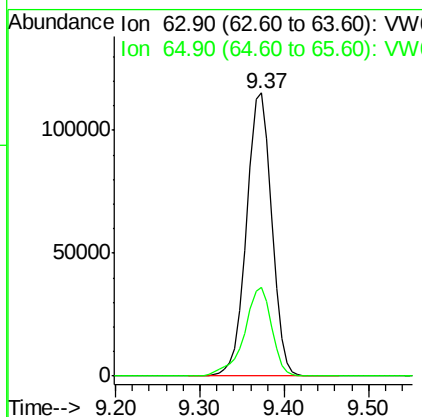
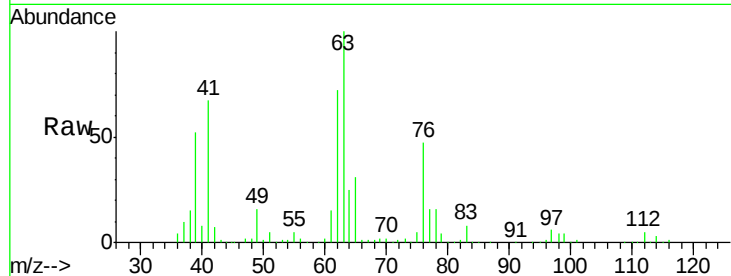




#45
 1,2-Dichloropropane
 Concen: 95.858 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

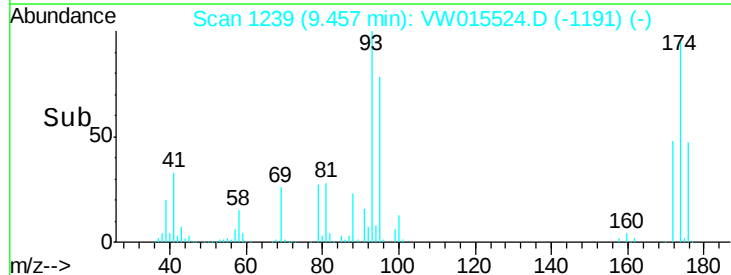
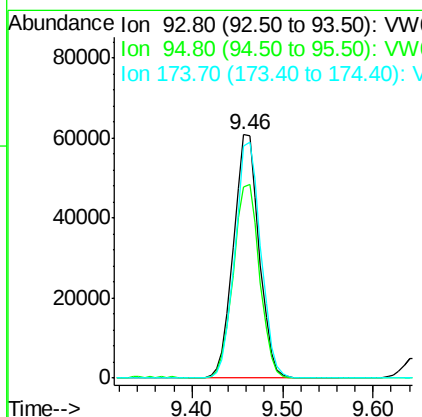
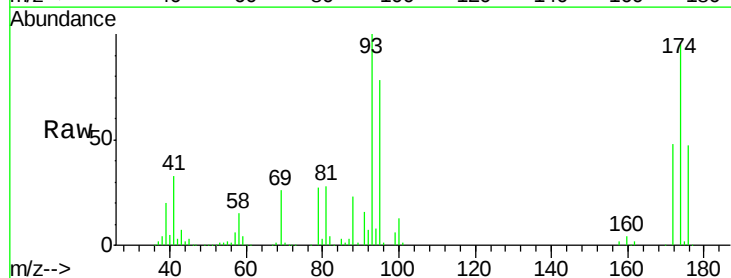
Instrument :
 MSVOA_W
 ClientSampled :

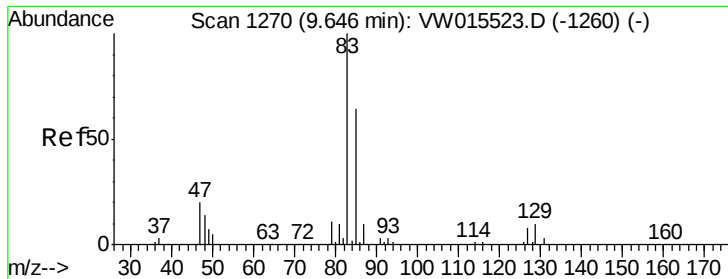
Tot Ion: 63 Resp: 231711
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0



#46
 Dibromomethane
 Concen: 98.016 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 93 Resp: 119284
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.1 97.7
 174 97.5 78.6 118.0





#47

Bromodichloromethane

Concen: 99.404 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

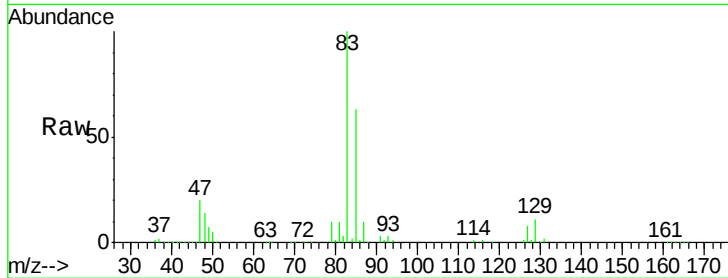
Tot Ion: 83 Resp: 326837

Ion Ratio Lower Upper

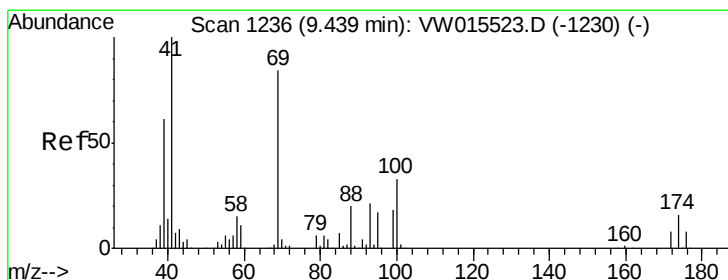
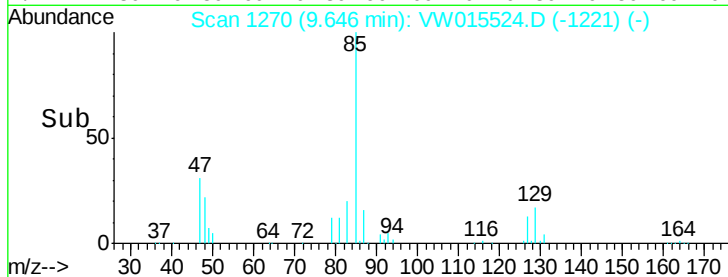
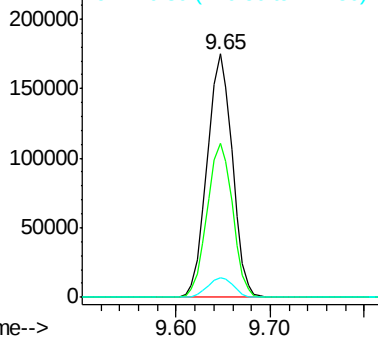
83 100

85 63.2 51.1 76.7

127 8.0 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): V



#48

Methyl methacrylate

Concen: 97.396 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

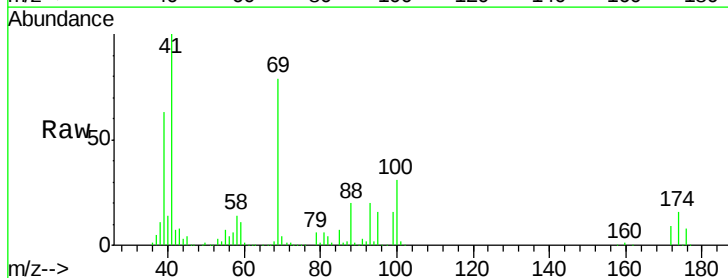
Tgt Ion: 41 Resp: 132554

Ion Ratio Lower Upper

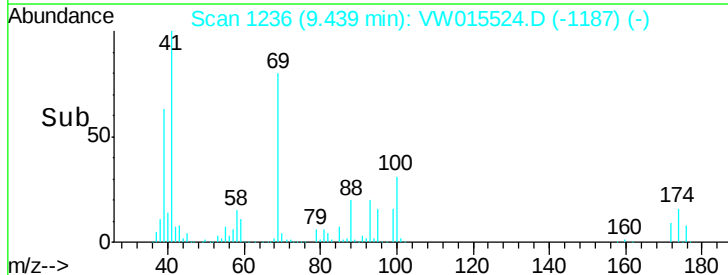
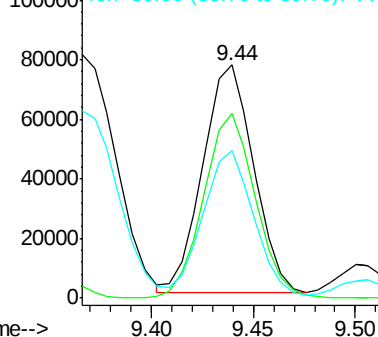
41 100

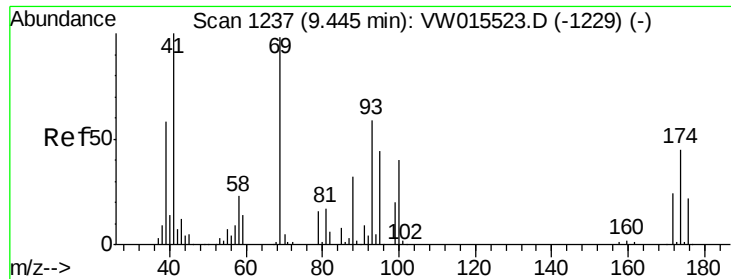
69 82.4 67.8 101.8

39 62.2 50.2 75.2



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

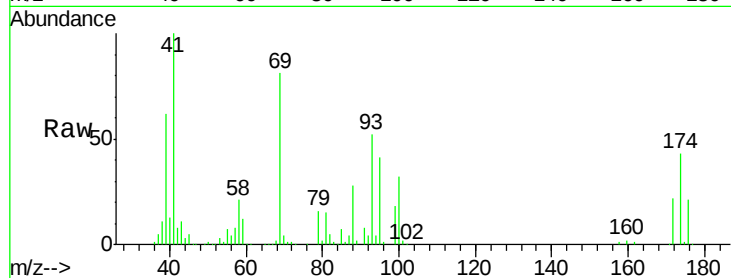




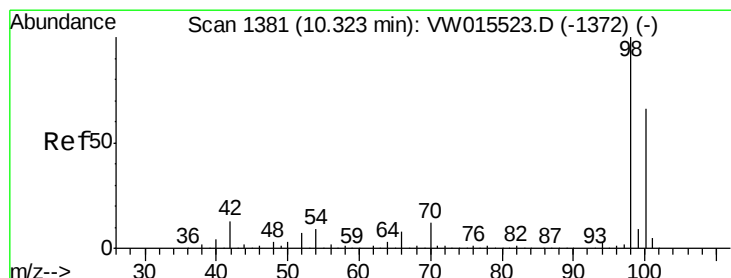
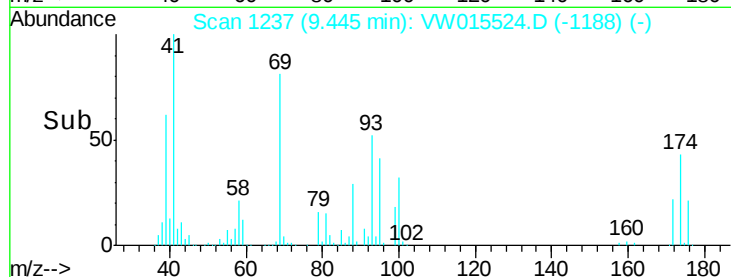
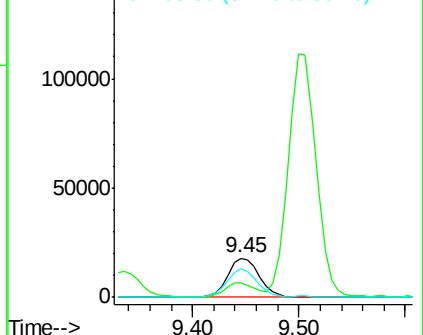
#49
 1,4-Dioxane
 Concen: 2374.824 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 37412
 Ion Ratio Lower Upper
 88 100
 43 36.9 27.9 41.9
 58 69.7 58.8 88.2

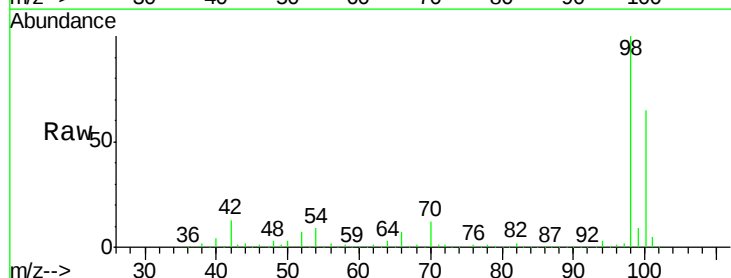


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

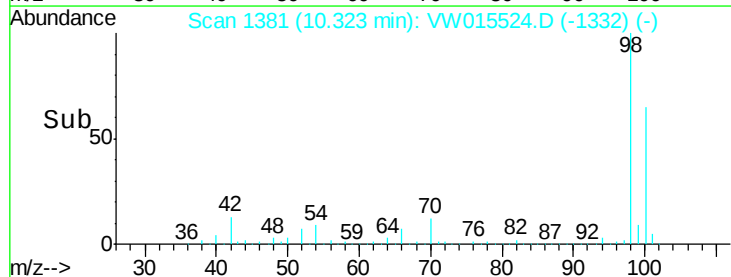
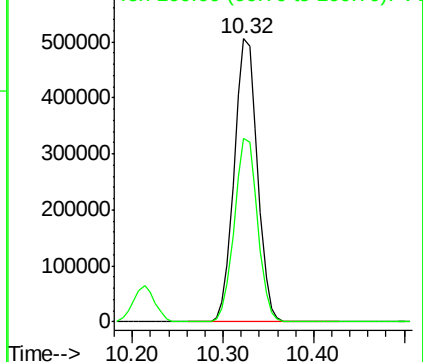


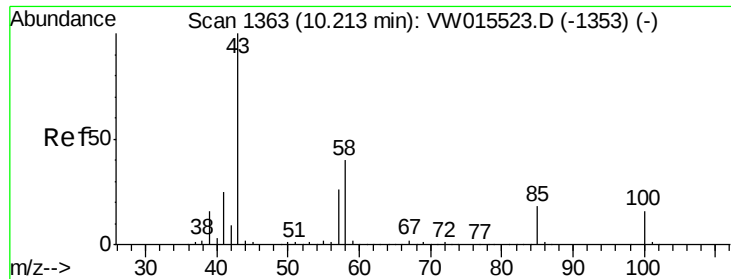
#50
 Toluene-d8
 Concen: 105.292 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 98 Resp: 896120
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.6 78.8



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

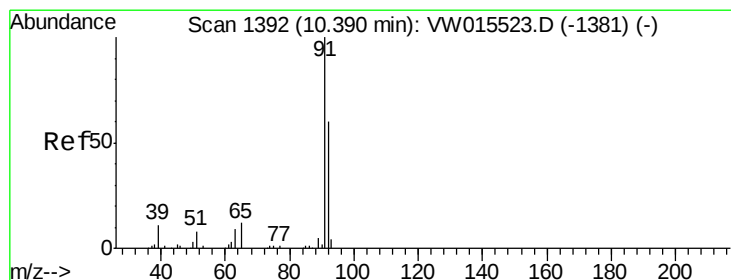
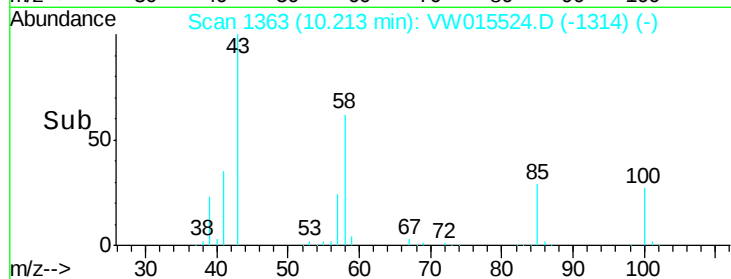
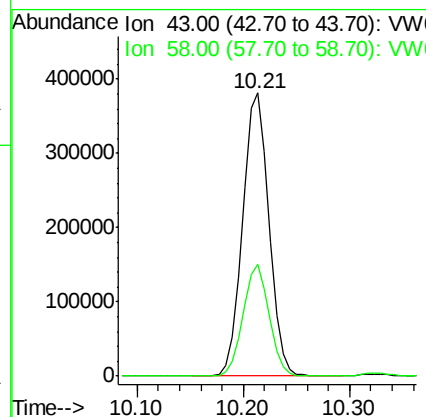
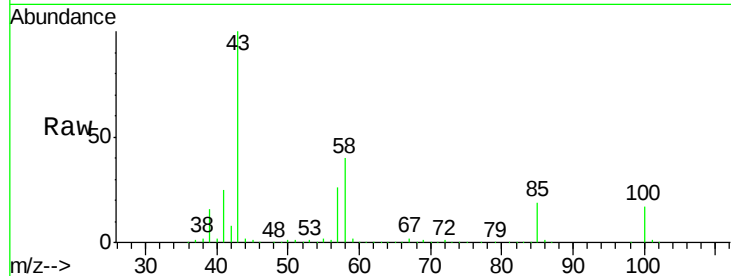




#51
4-Methyl-2-Pentanone
Concen: 476.895 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

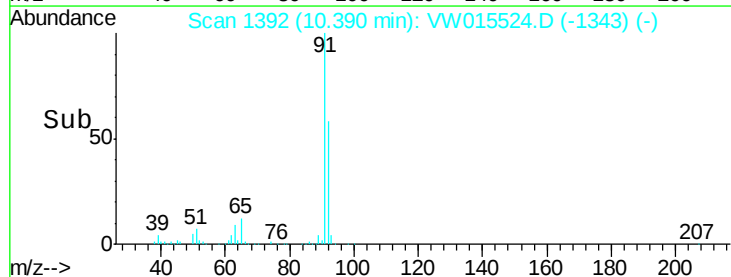
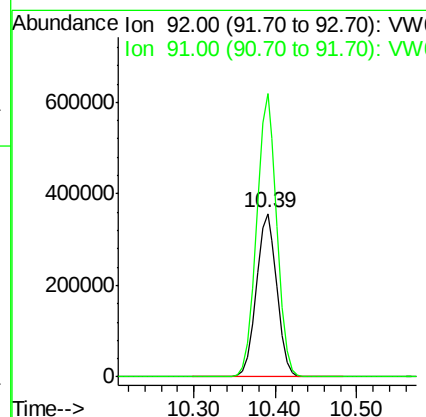
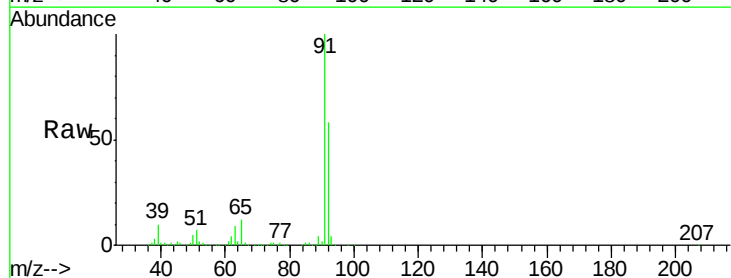
Instrument :
MSVOA_W
ClientSampled :

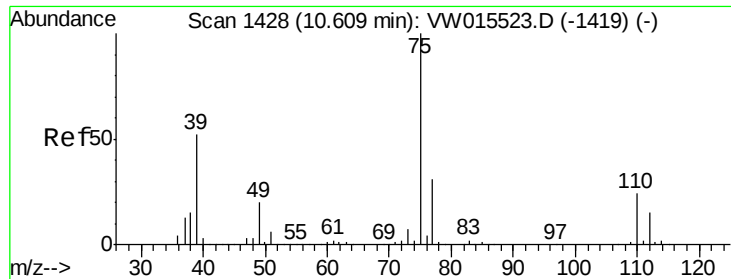
Tot Ion: 43 Resp: 662367
Ion Ratio Lower Upper
43 100
58 39.0 31.4 47.0



#52
Toluene
Concen: 99.025 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 92 Resp: 627926
Ion Ratio Lower Upper
92 100
91 170.6 136.5 204.7

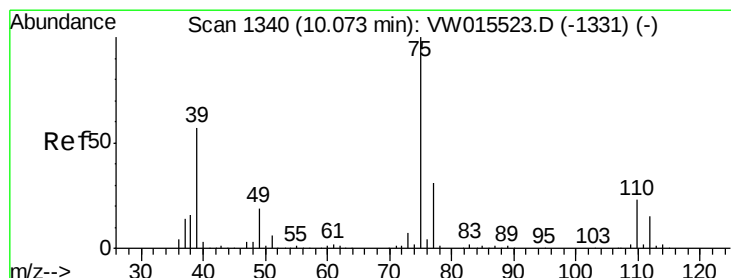
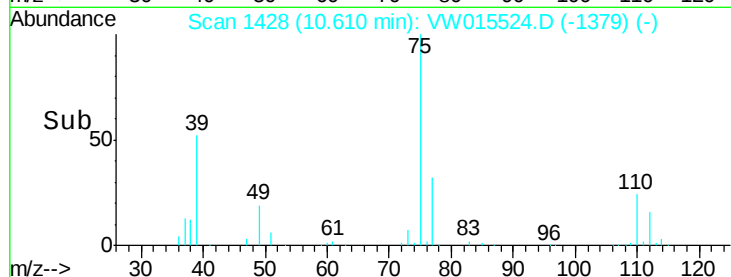
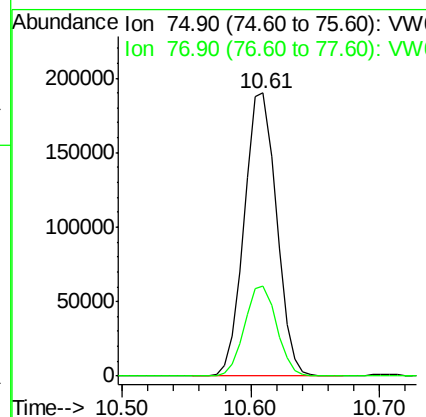
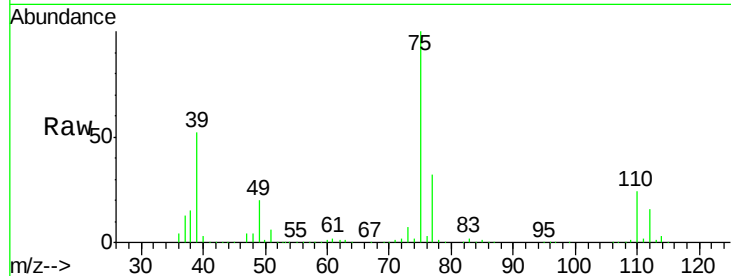




#53
 t-1,3-Dichloropropene
 Concen: 98.107 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

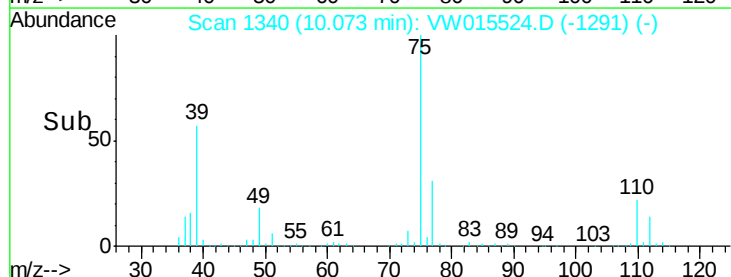
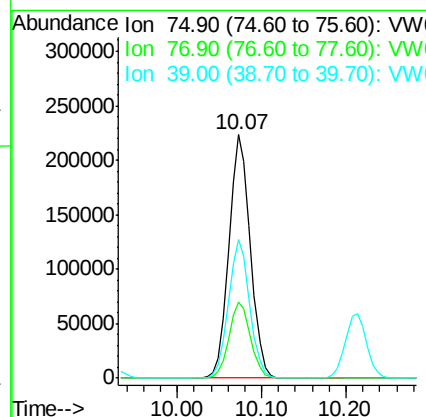
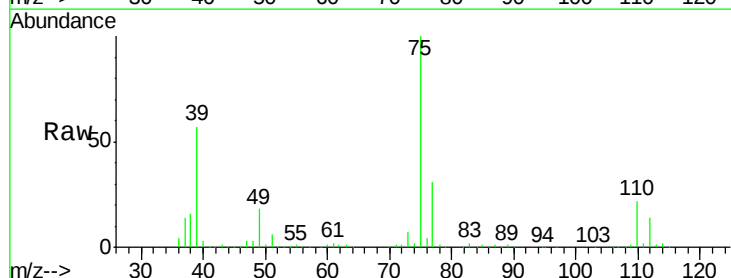
Instrument :
 MSVOA_W
 ClientSampled :

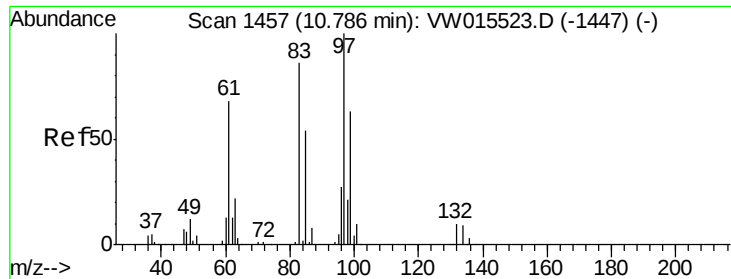
Tot Ion: 75 Resp: 329487
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 98.316 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 75 Resp: 386755
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3
 39 56.8 45.4 68.2



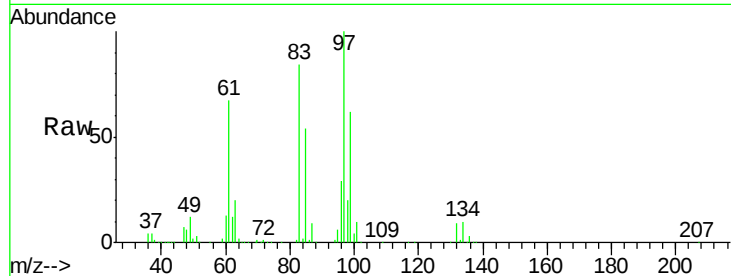


#55
 1,1,2-Trichloroethane
 Concen: 96.869 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

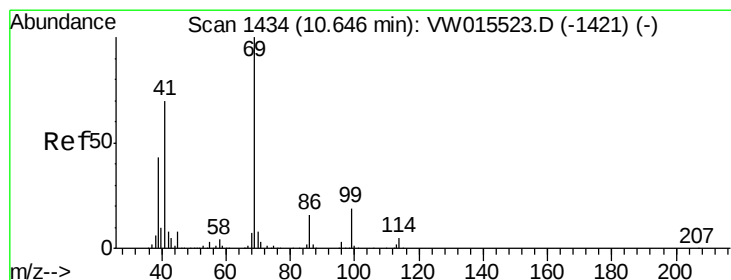
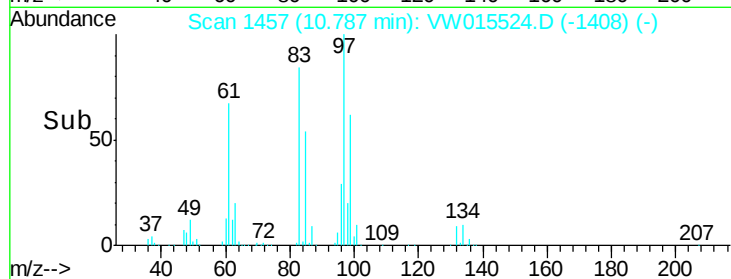
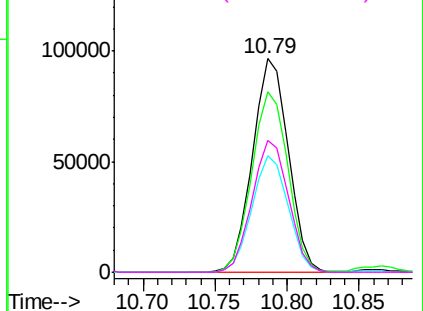
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 97 Resp: 166336

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.6	102.8
85	54.3	43.2	64.8
99	61.8	50.5	75.7



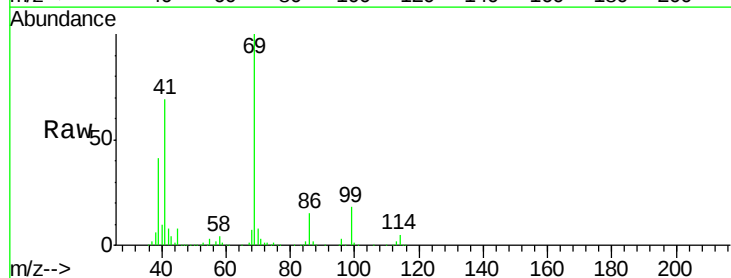
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



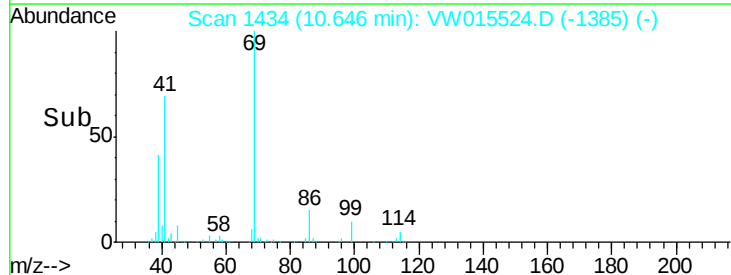
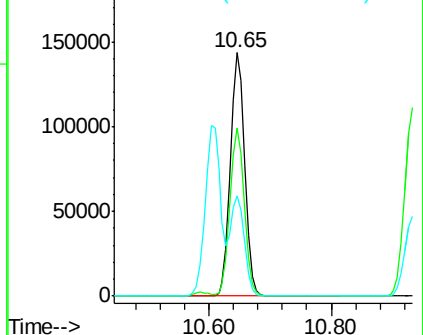
#56
 Ethyl methacrylate
 Concen: 97.231 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

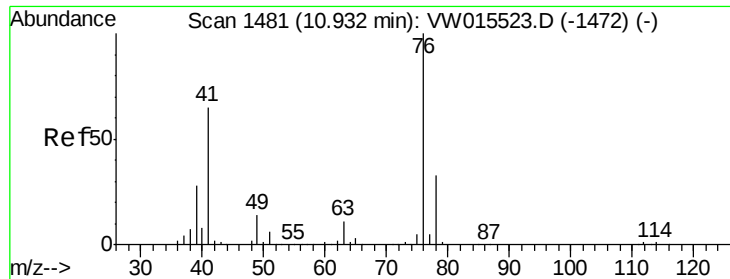
Tgt Ion: 69 Resp: 228047

Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.2	84.4
39	39.9	33.3	49.9



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

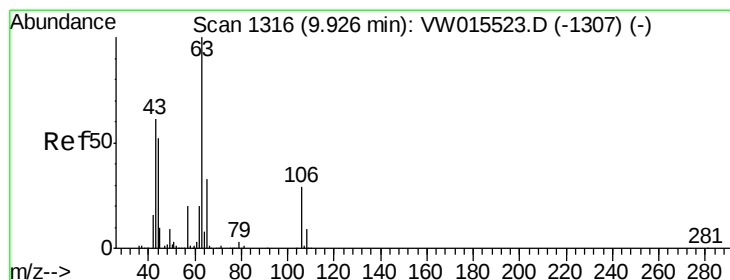
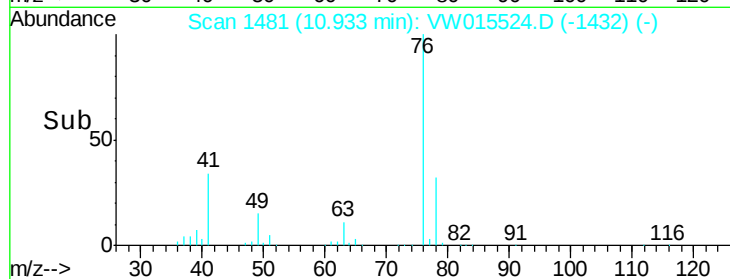
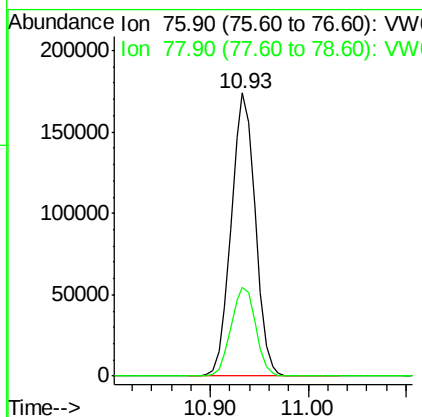
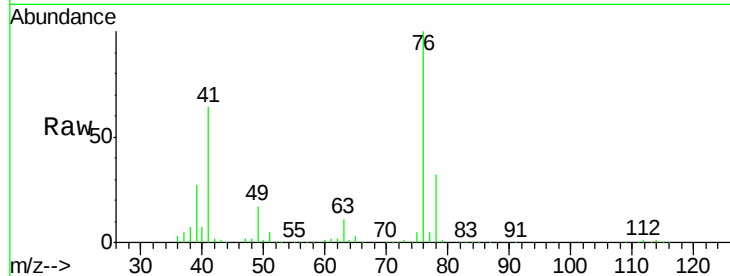




#57
 1,3-Dichloropropane
 Concen: 96.431 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

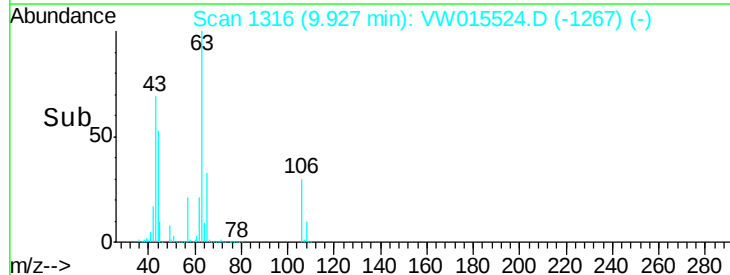
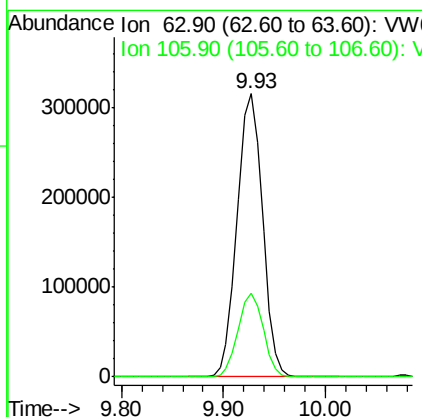
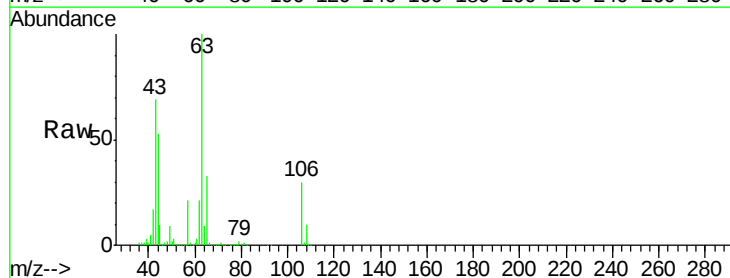
Instrument :
 MSVOA_W
 ClientSampled :

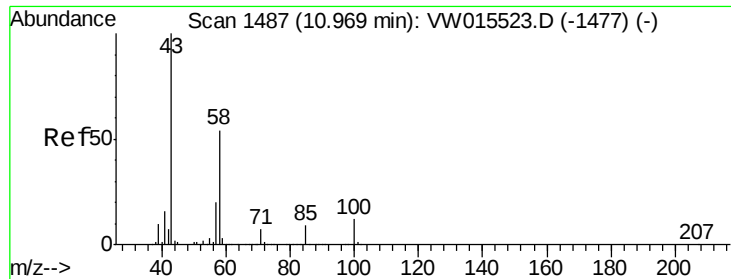
Tot Ion: 76 Resp: 296433
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 487.485 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 63 Resp: 544256
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.9 34.3

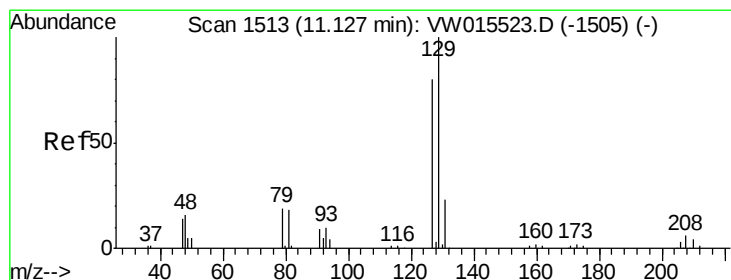
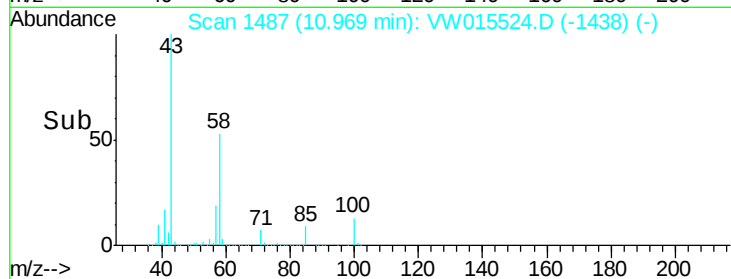
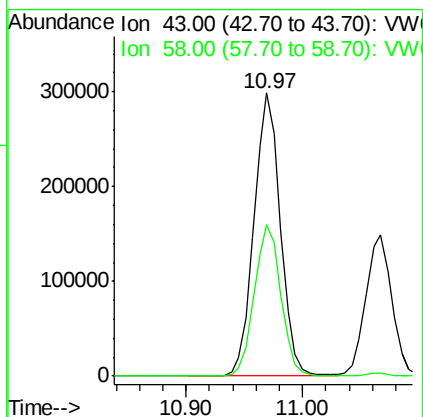
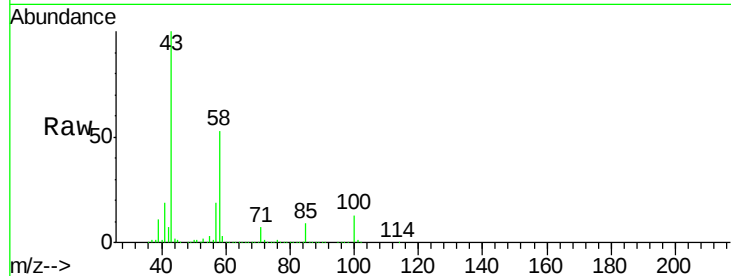




#59
2-Hexanone
Concen: 496.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

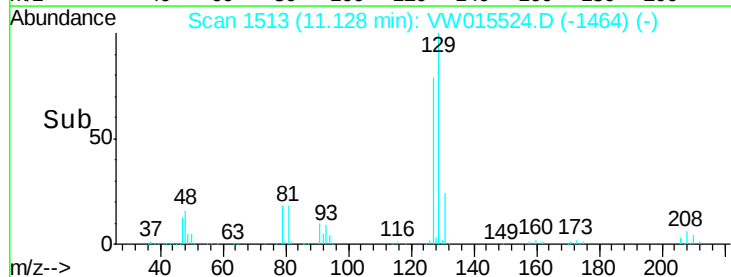
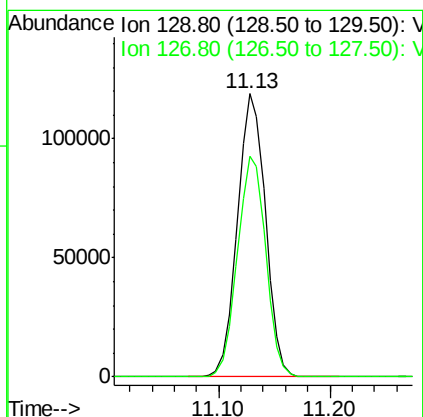
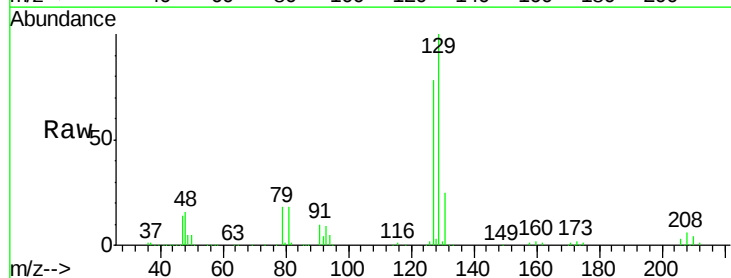
Instrument :
MSVOA_W
ClientSampleId :

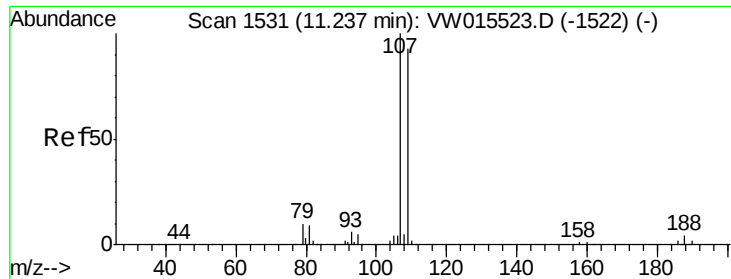
Tot Ion: 43 Resp: 472251
Ion Ratio Lower Upper
43 100
58 53.6 26.8 80.3



#60
Dibromochloromethane
Concen: 100.210 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 129 Resp: 207372
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 98.968 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

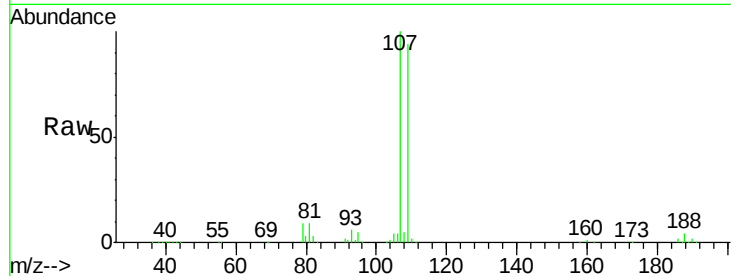
ClientSampled :

Tot Ion:107 Resp: 161092

Ion Ratio Lower Upper

107 100

109 94.1 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

100000

80000

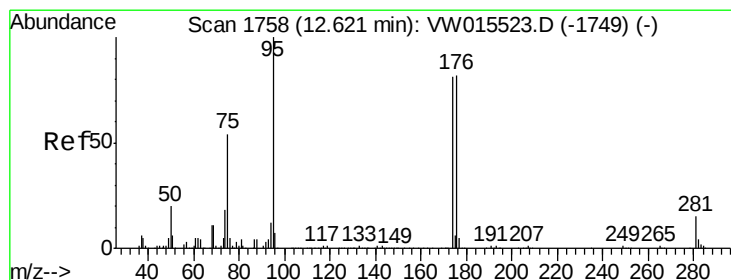
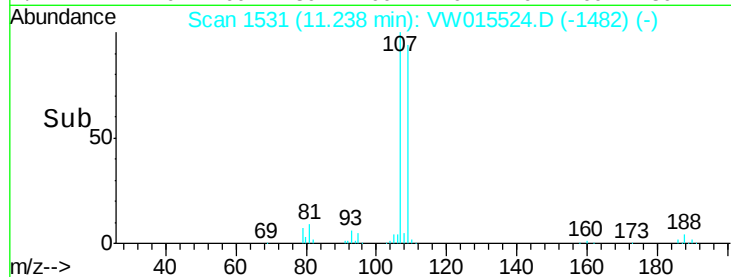
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 105.697 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

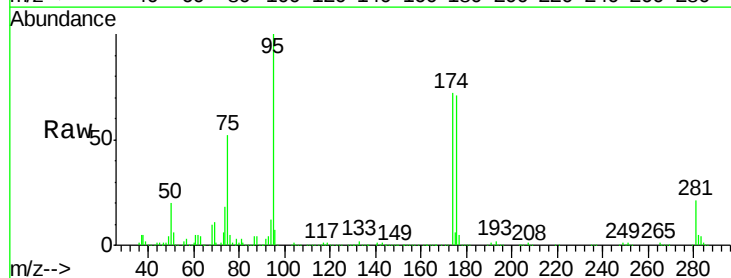
Tgt Ion: 95 Resp: 332273

Ion Ratio Lower Upper

95 100

174 77.6 0.0 153.6

176 76.0 0.0 152.8



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

250000

200000

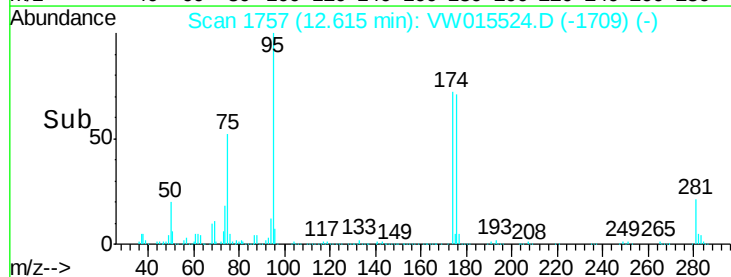
150000

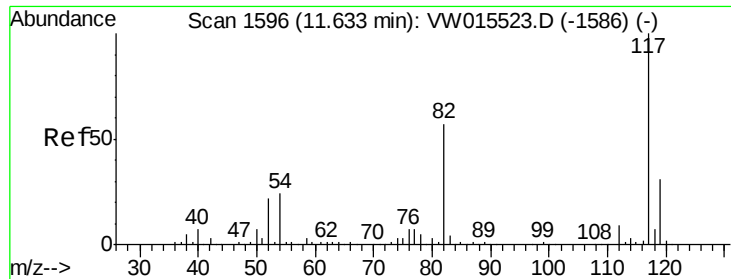
100000

50000

0

Time-->

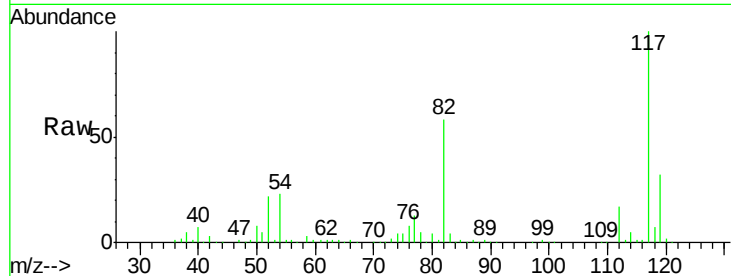




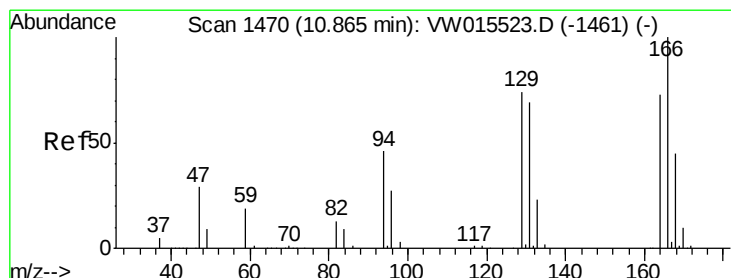
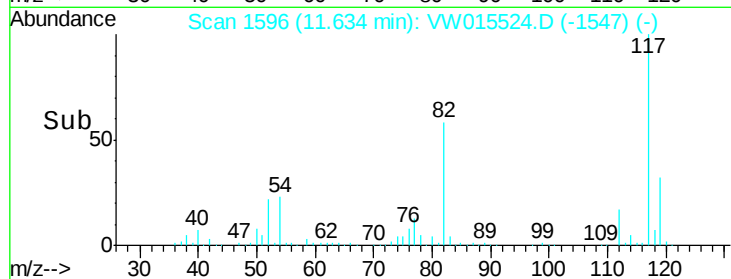
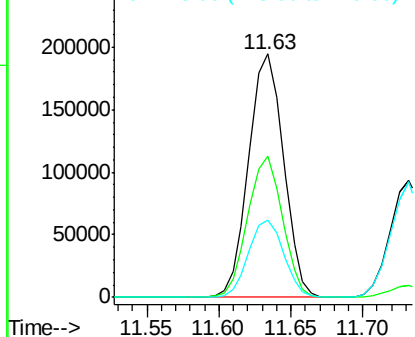
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 326784
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.8
119 32.0 24.7 37.1

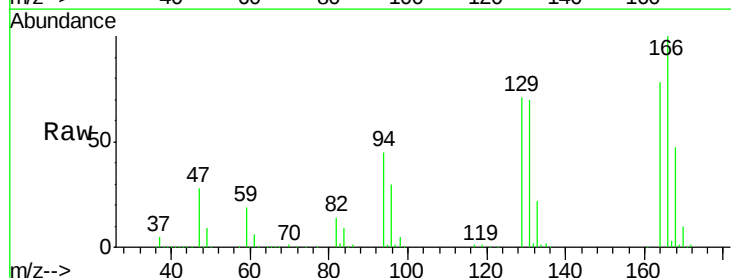


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

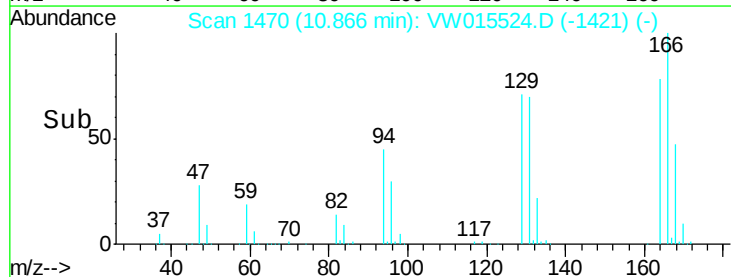
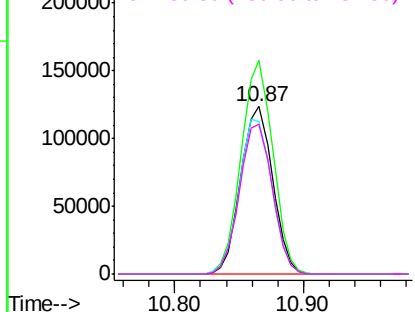


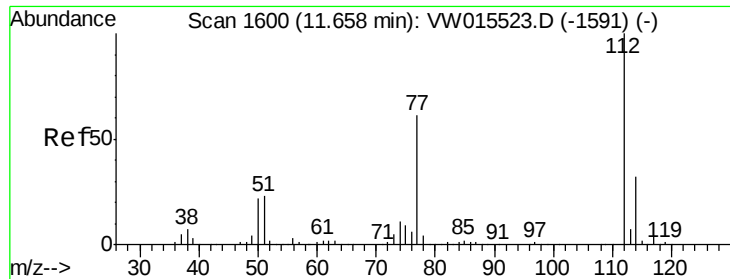
#64
Tetrachloroethene
Concen: 104.958 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:164 Resp: 212983
Ion Ratio Lower Upper
164 100
166 127.5 109.0 163.6
129 90.9 81.0 121.4
131 89.1 74.8 112.2



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

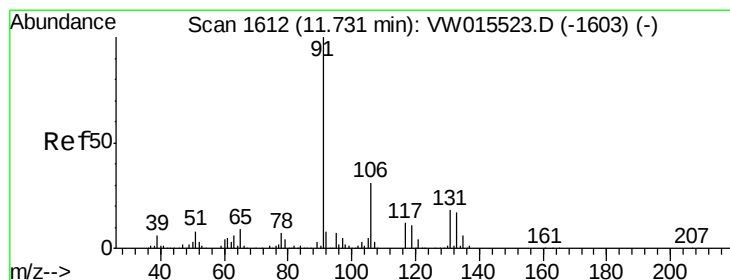
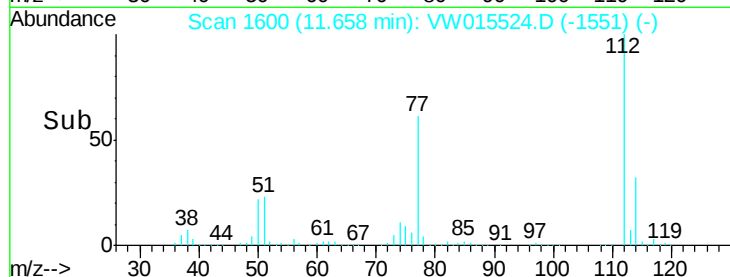
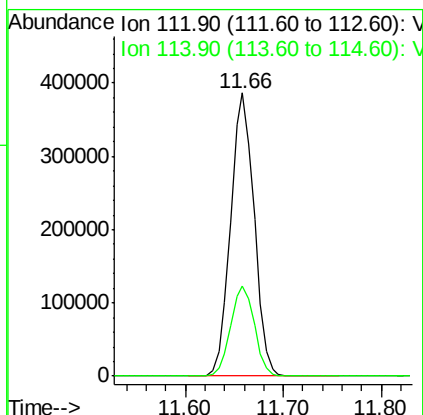
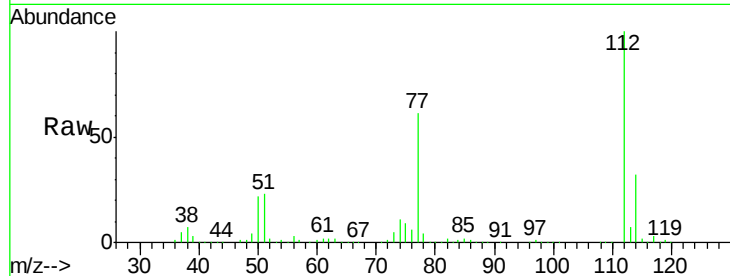




#65
Chlorobenzene
Concen: 98.572 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

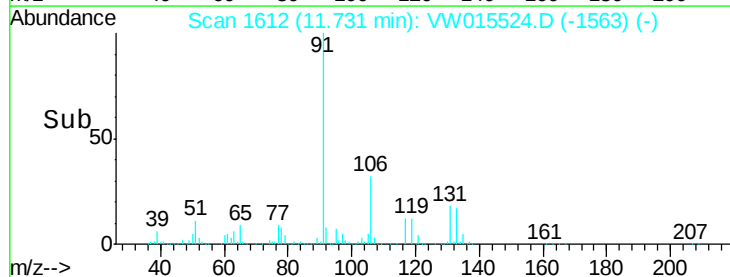
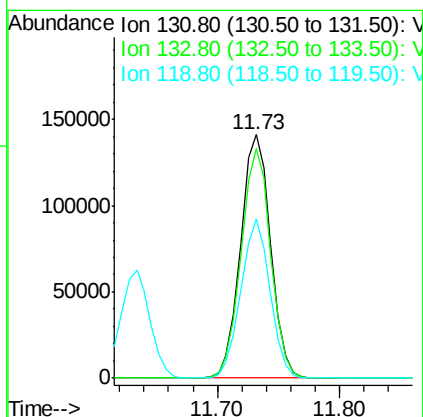
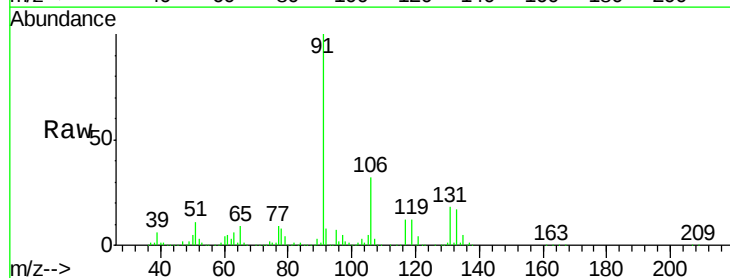
Instrument :
MSVOA_W
ClientSampleId :

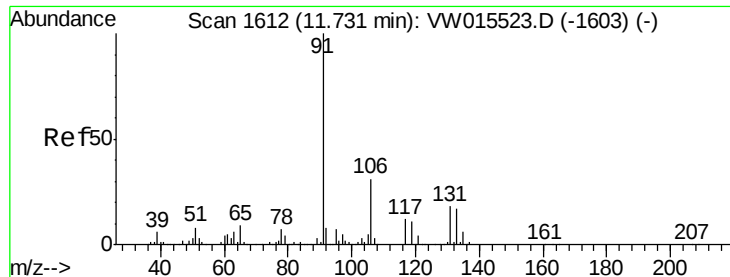
Tot Ion:112 Resp: 644009
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 102.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:131 Resp: 239053
Ion Ratio Lower Upper
131 100
133 93.1 48.3 144.8
119 63.6 32.5 97.5

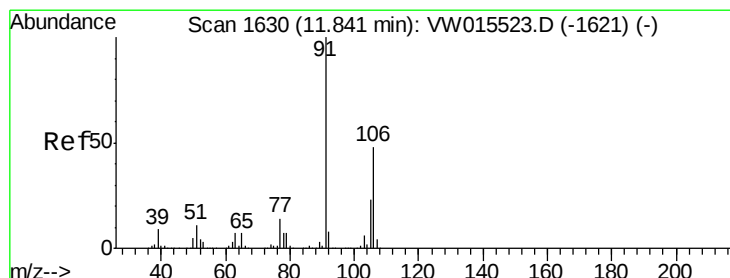
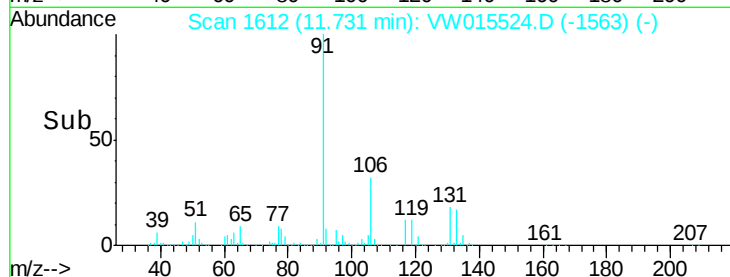
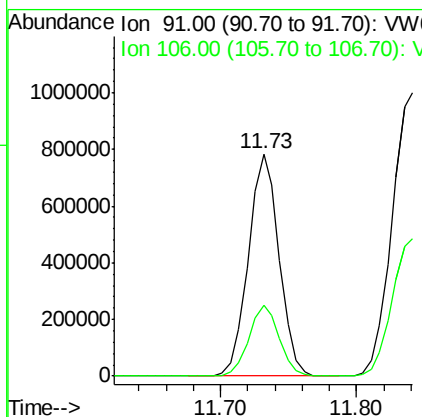
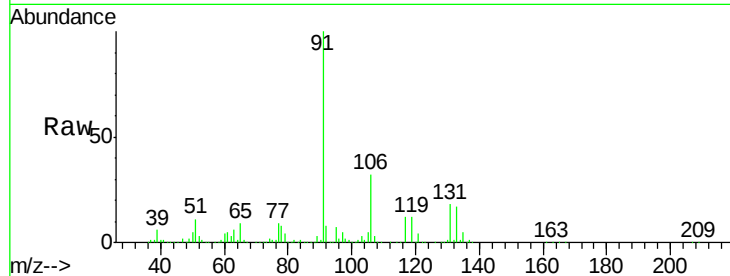




#67
Ethyl Benzene
Concen: 99.161 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

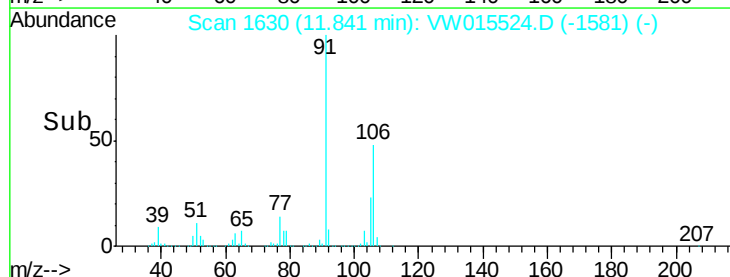
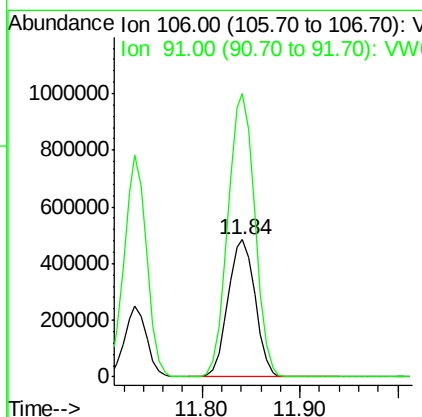
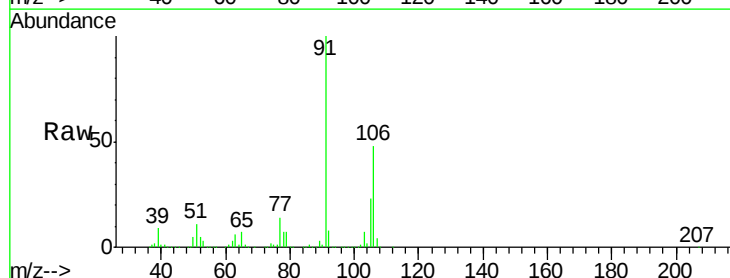
Instrument :
MSVOA_W
ClientSampleId :

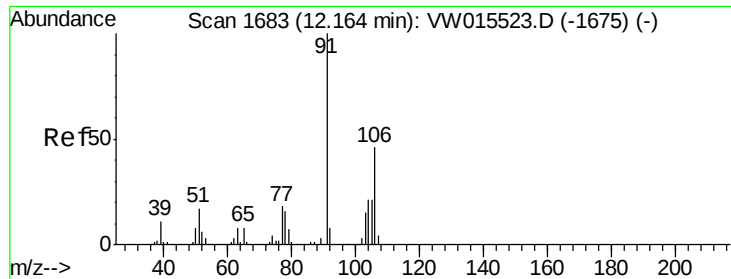
Tot Ion: 91 Resp: 1237383
Ion Ratio Lower Upper
91 100
106 32.1 24.5 36.7



#68
m/p-Xylenes
Concen: 199.371 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 106 Resp: 926202
Ion Ratio Lower Upper
106 100
91 204.9 163.5 245.3

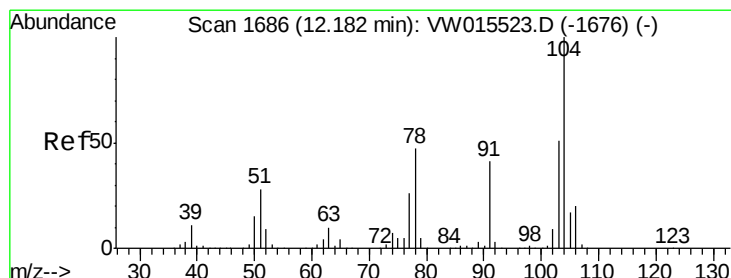
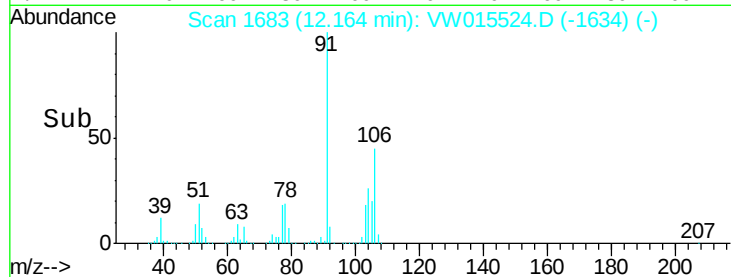
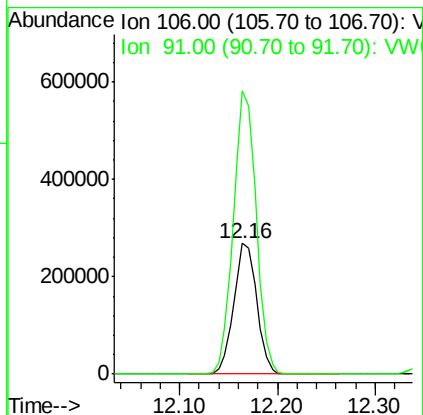
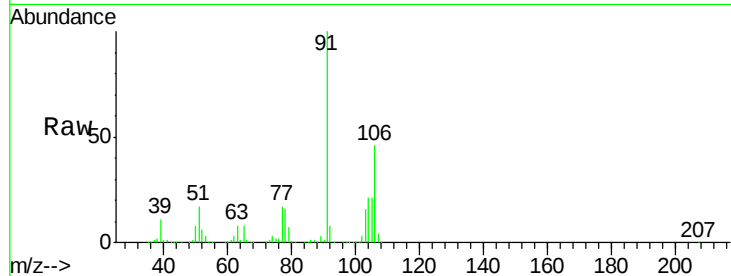




#69
o-Xylene
Concen: 100.708 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

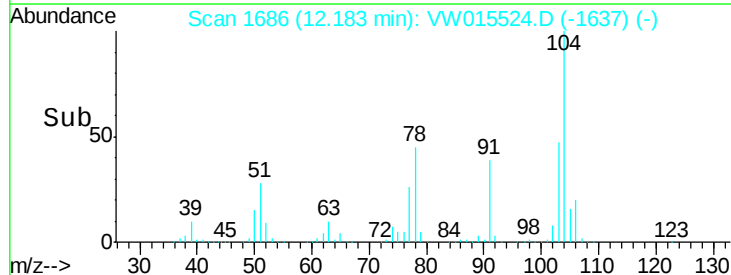
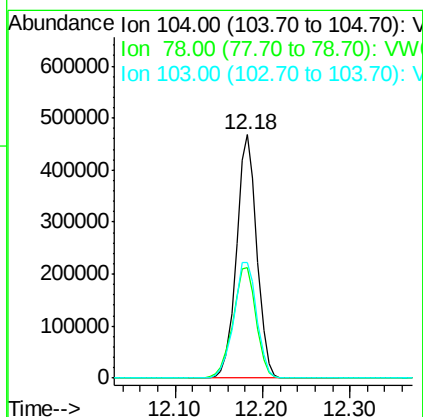
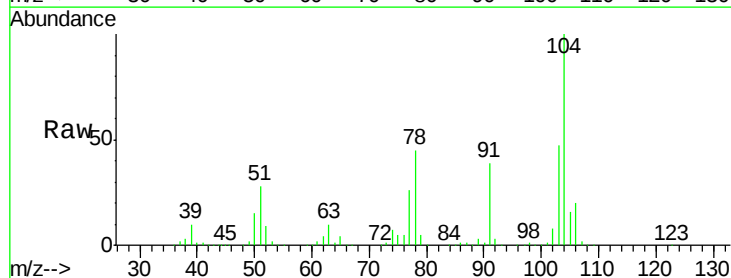
Instrument :
MSVOA_W
ClientSampleId :

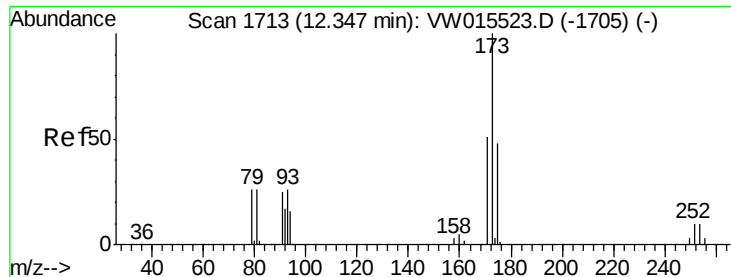
Tot Ion:106 Resp: 438970
Ion Ratio Lower Upper
106 100
91 215.1 107.8 323.4



#70
Styrene
Concen: 100.809 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:104 Resp: 756479
Ion Ratio Lower Upper
104 100
78 51.7 41.7 62.5
103 53.9 43.8 65.8





#71

Bromoform

Concen: 103.553 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

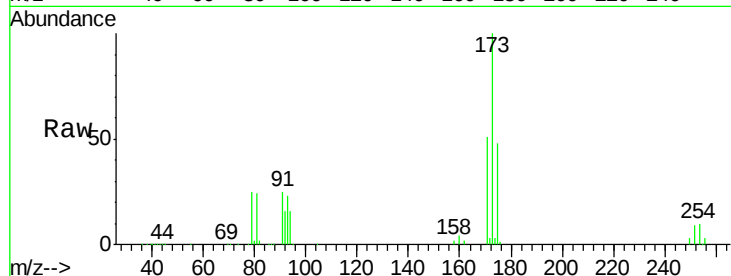
Tot Ion:173 Resp: 117719

Ion Ratio Lower Upper

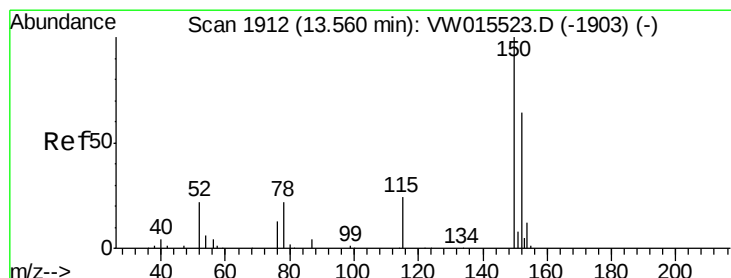
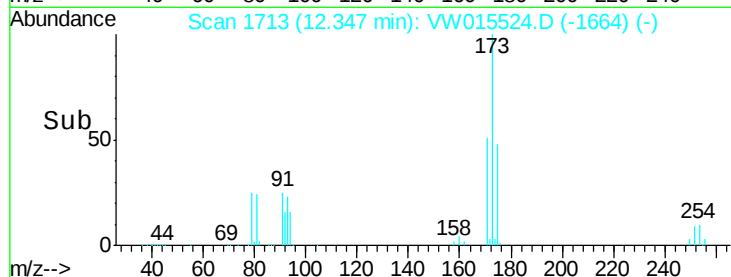
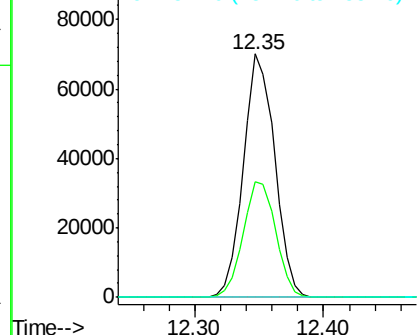
173 100

175 49.4 24.8 74.3

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

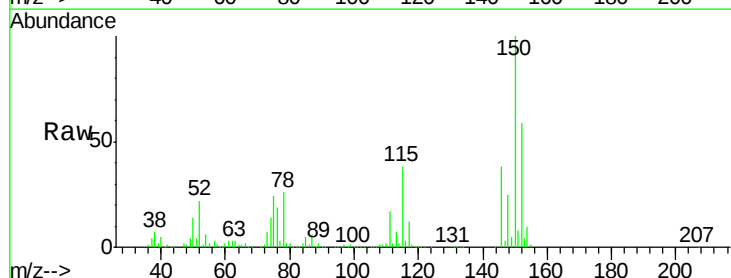
Tgt Ion:152 Resp: 159704

Ion Ratio Lower Upper

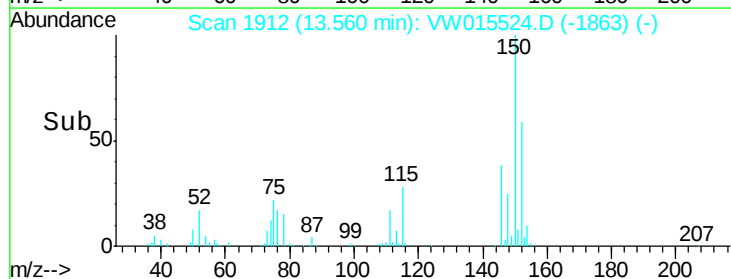
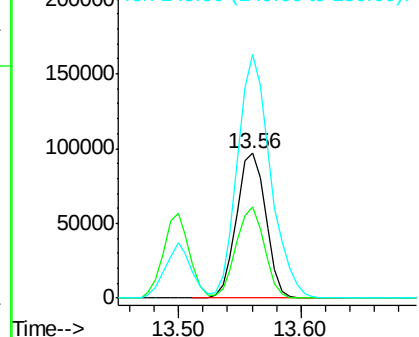
152 100

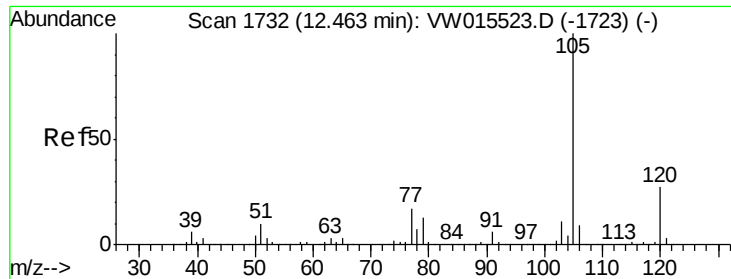
115 60.4 30.0 90.0

150 189.3 0.0 351.0



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





#73

Isopropylbenzene

Concen: 100.966 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

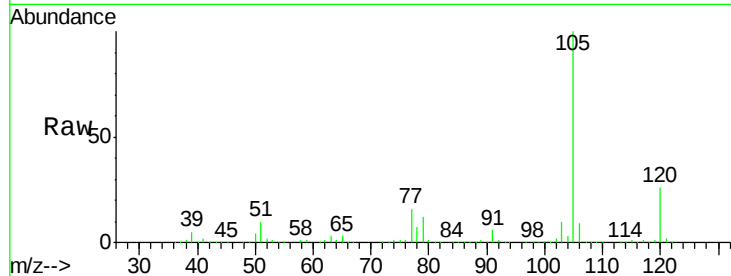
ClientSampleId :

Tot Ion:105 Resp: 1220071

Ion Ratio Lower Upper

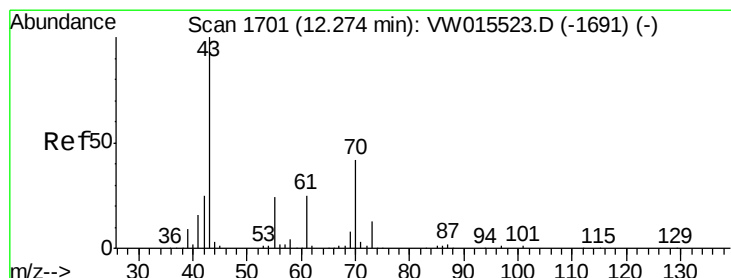
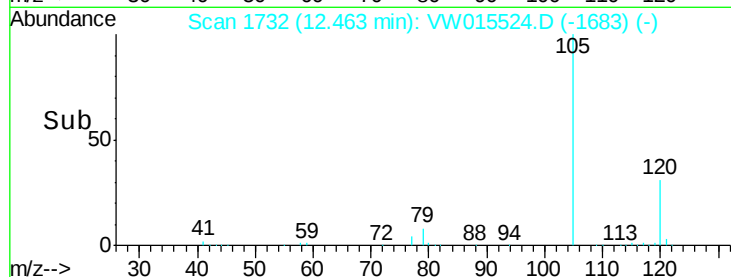
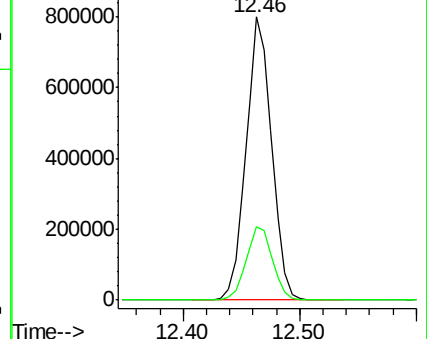
105 100

120 26.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 93.795 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 43 Resp: 268529

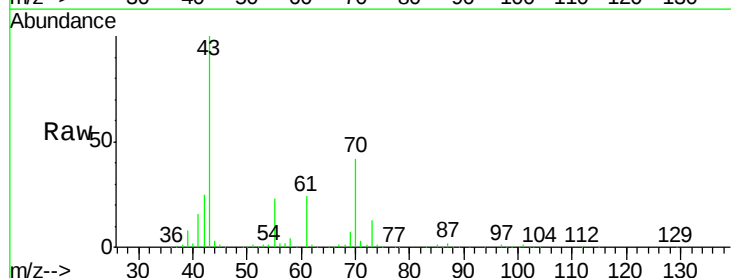
Ion Ratio Lower Upper

43 100

70 42.6 33.6 50.4

55 23.8 19.1 28.7

61 24.5 19.4 29.2

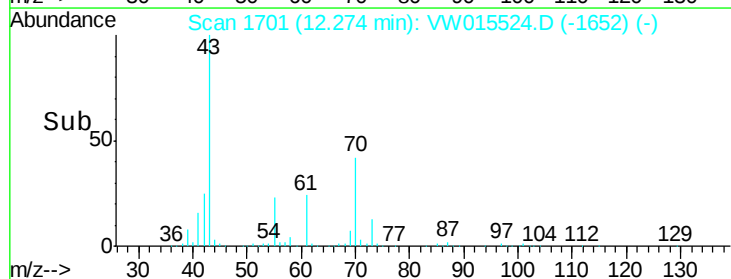
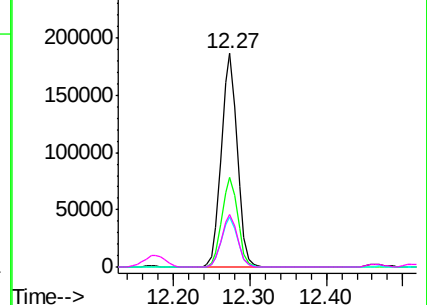


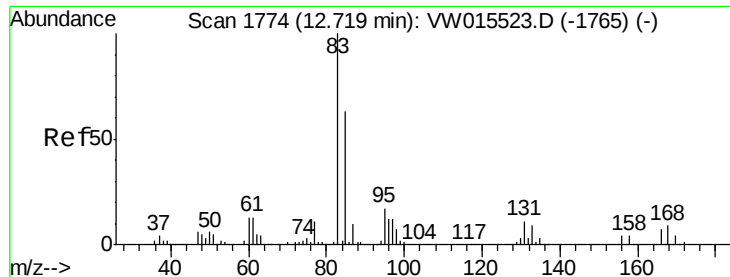
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 98.619 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampled :

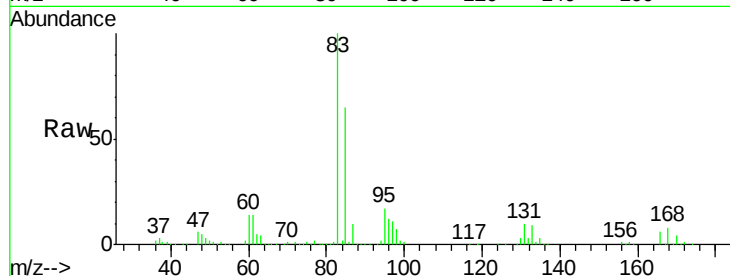
Tot Ion: 83 Resp: 188281

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

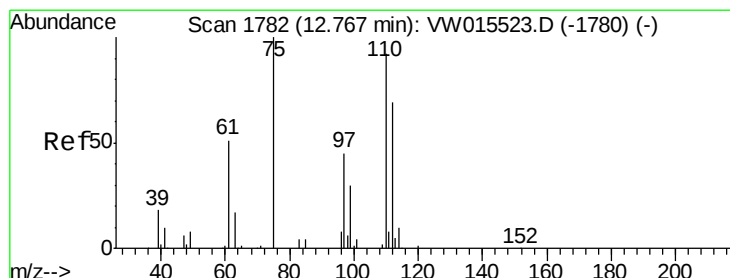
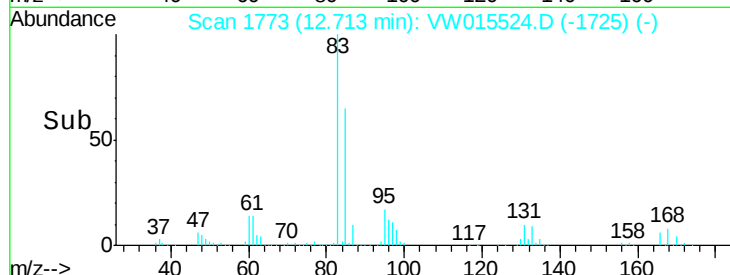
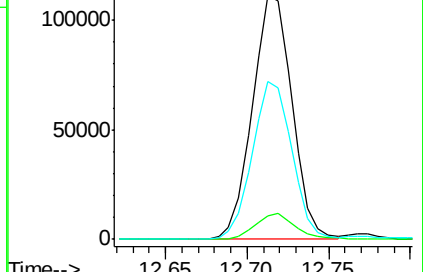
85 64.7 32.0 96.0



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: 197.242 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015524.D

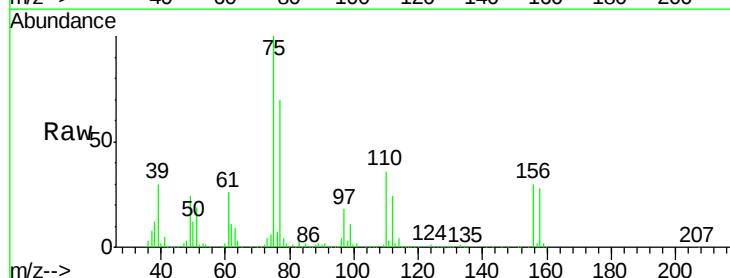
Acq: 02 Jun 2020 13:00

Tgt Ion: 75 Resp: 259360

Ion Ratio Lower Upper

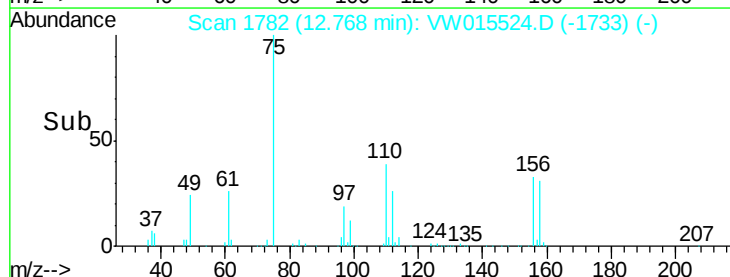
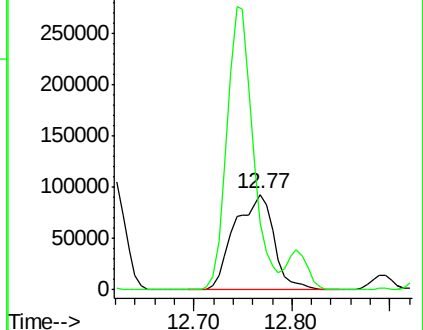
75 100

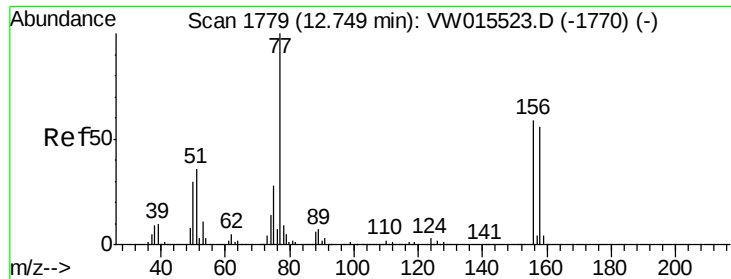
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 103.289 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampled :

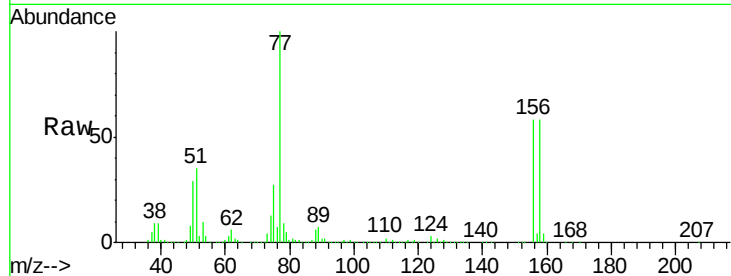
Tot Ion:156 Resp: 266370

Ion Ratio Lower Upper

156 100

77 192.7 97.3 291.8

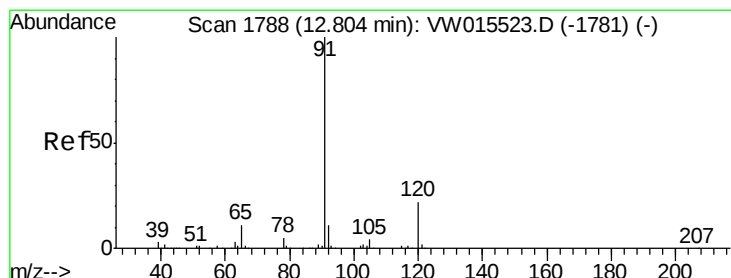
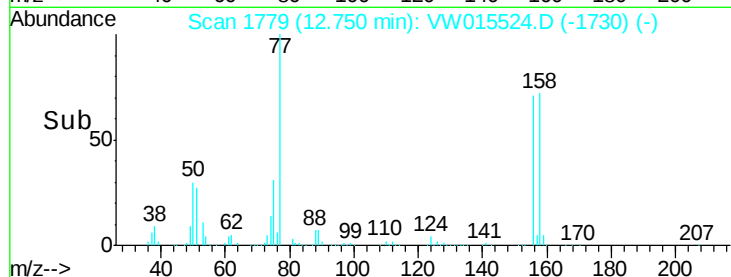
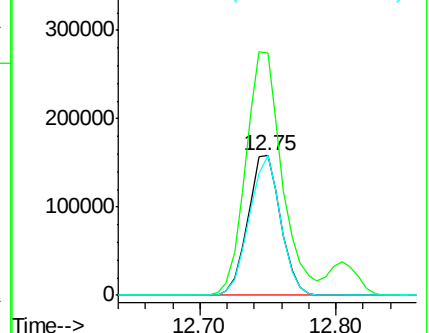
158 96.0 48.5 145.6



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: 100.597 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015524.D

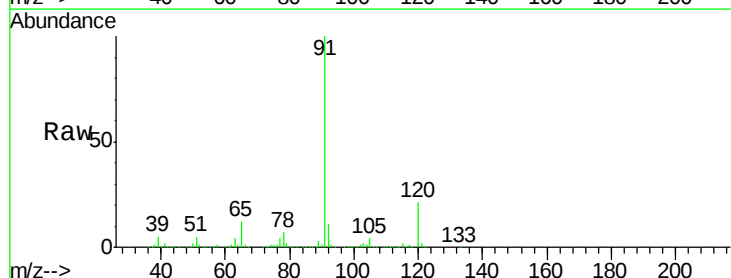
Acq: 02 Jun 2020 13:00

Tgt Ion: 91 Resp: 1456456

Ion Ratio Lower Upper

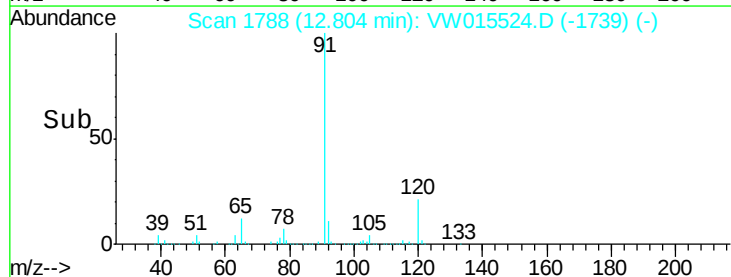
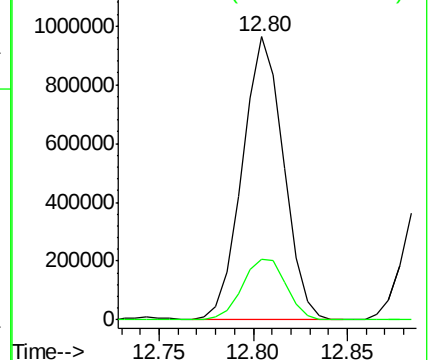
91 100

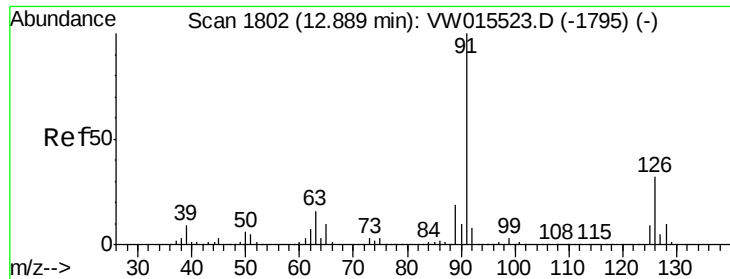
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

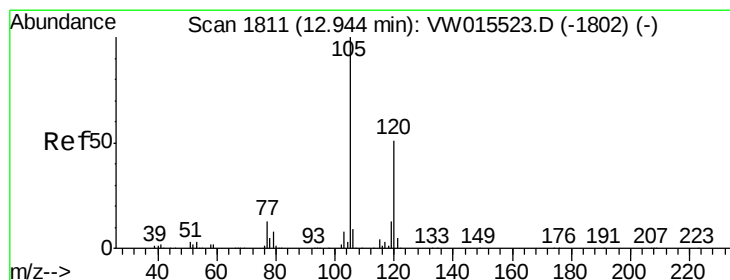
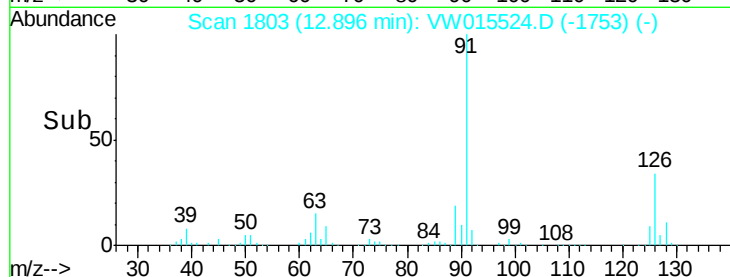
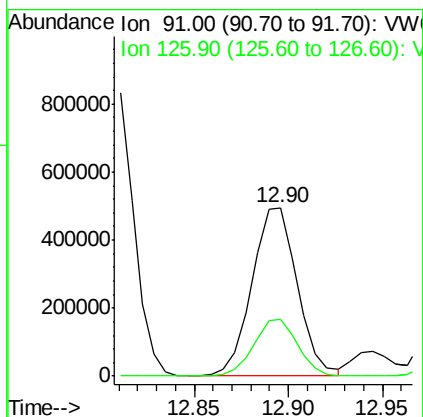
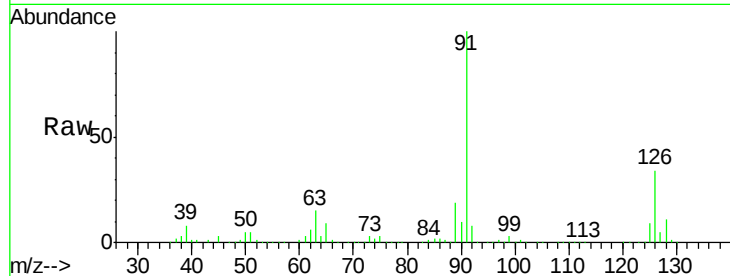




#79
 2-Chlorotoluene
 Concen: 100.931 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

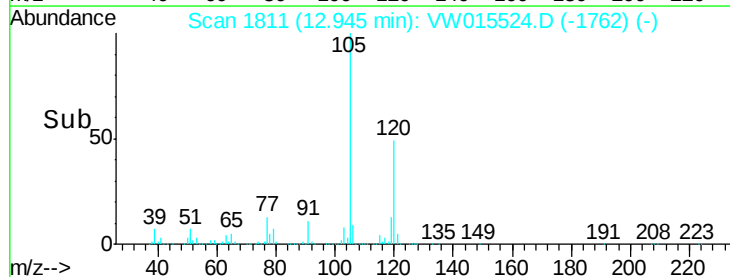
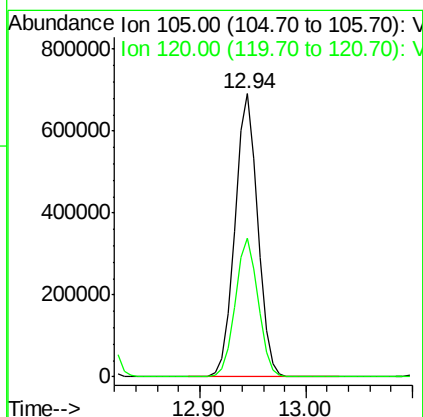
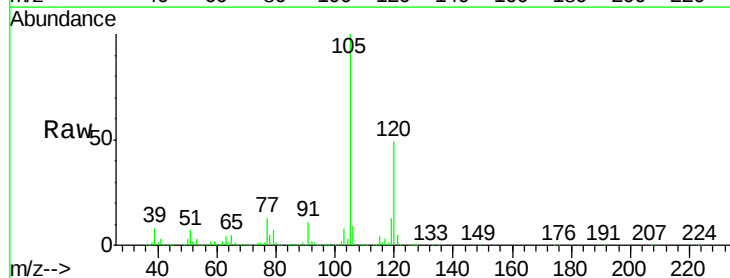
Instrument :
 MSVOA_W
 ClientSampled :

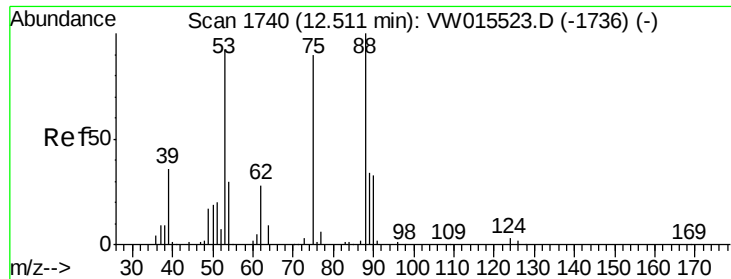
Tot Ion: 91 Resp: 824631
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 102.073 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 105 Resp: 1036255
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 98.864 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

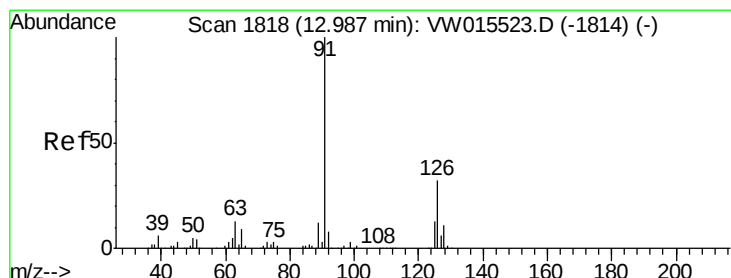
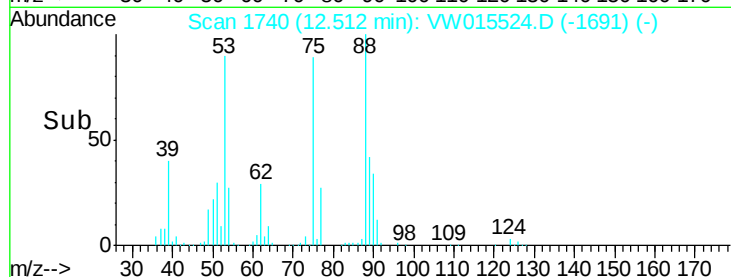
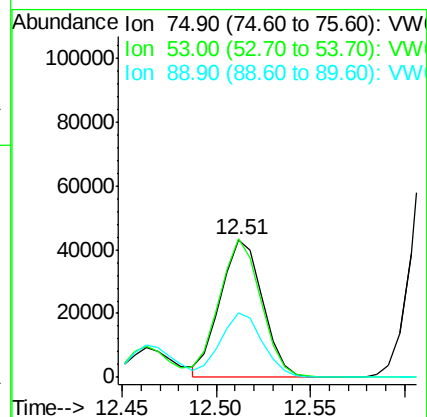
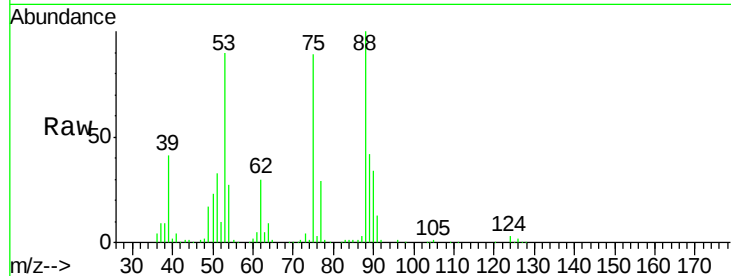
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 66868

Ion	Ratio	Lower	Upper
75	100		
53	101.3	84.0	126.0
89	47.4	36.6	55.0



#82

4-Chlorotoluene

Concen: 98.530 ug/l

RT: 12.99 min Scan# 1818

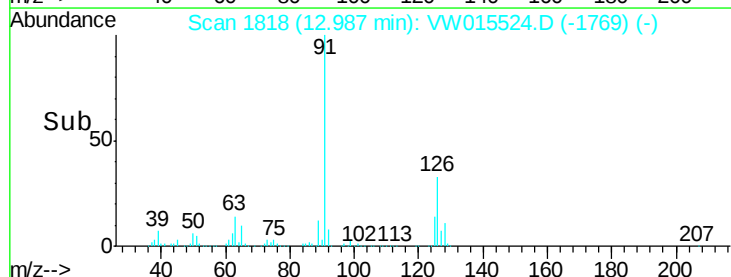
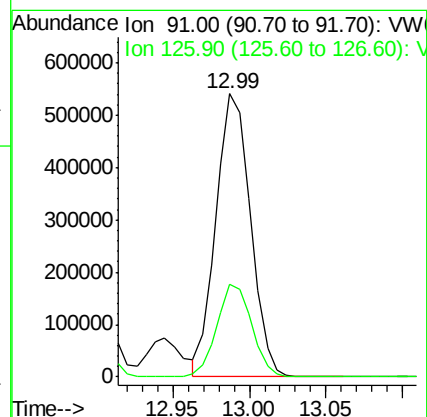
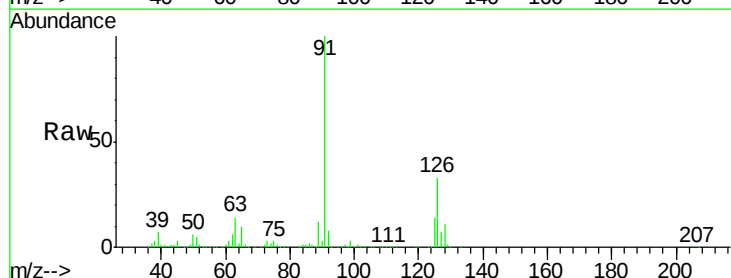
Delta R.T. 0.00 min

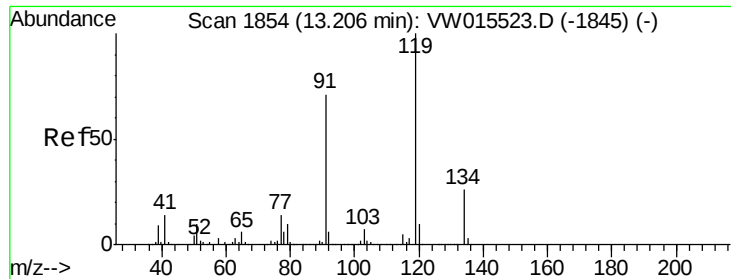
Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 91 Resp: 850195

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

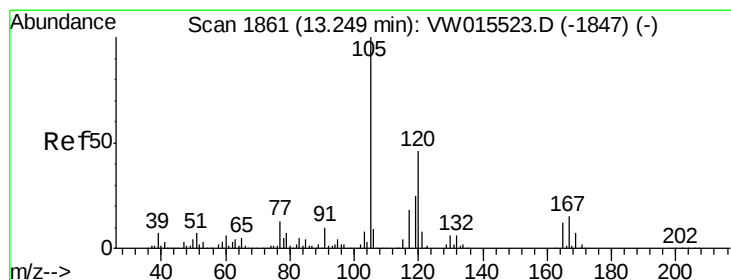
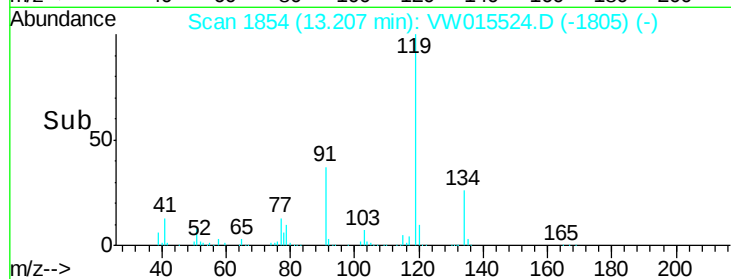
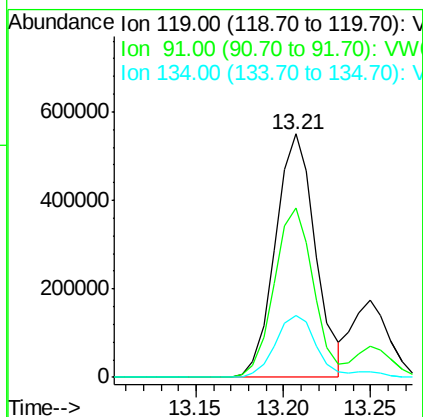
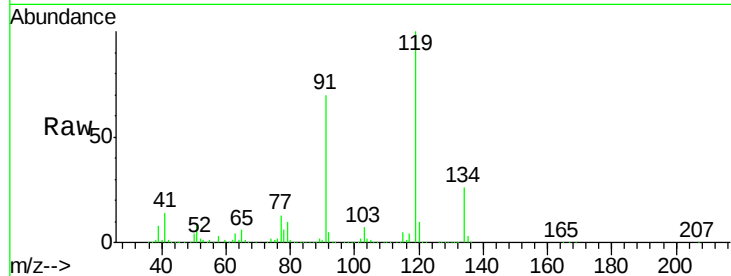




#83
tert-Butylbenzene
Concen: 101.445 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

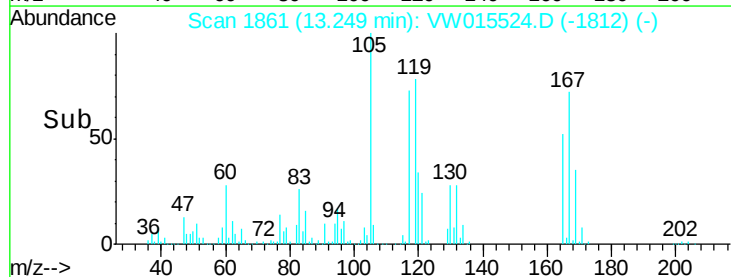
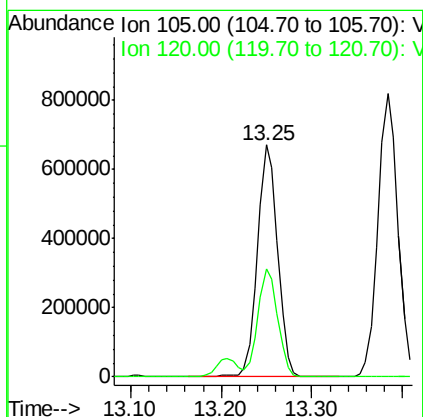
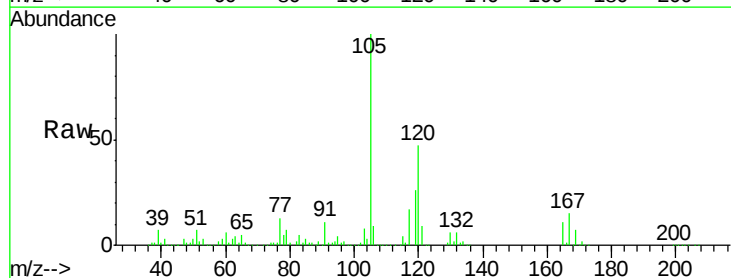
Instrument :
MSVOA_W
ClientSampleId :

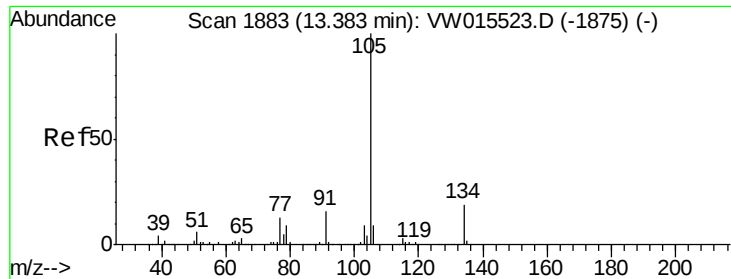
Tot Ion:119 Resp: 878729
Ion Ratio Lower Upper
119 100
91 68.2 34.2 102.5
134 27.7 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 101.551 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:105 Resp: 1032024
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.8





#85

sec-Butylbenzene

Concen: 101.911 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

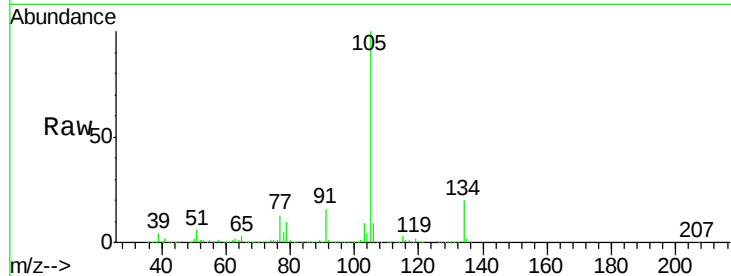
ClientSampleId :

Tot Ion:105 Resp: 1243743

Ion Ratio Lower Upper

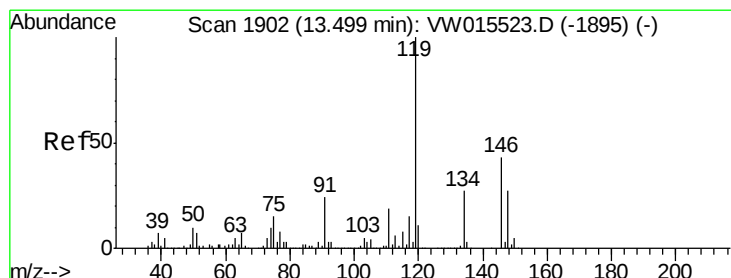
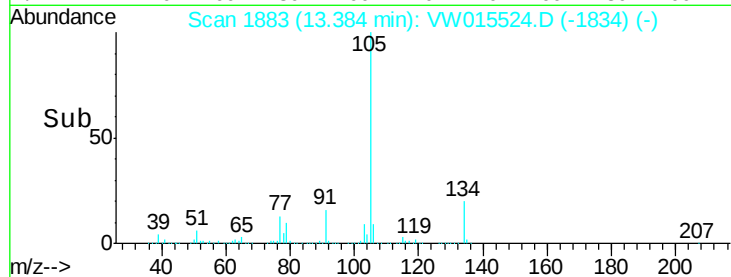
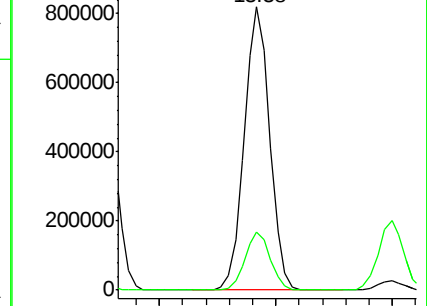
105 100

134 20.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.173 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

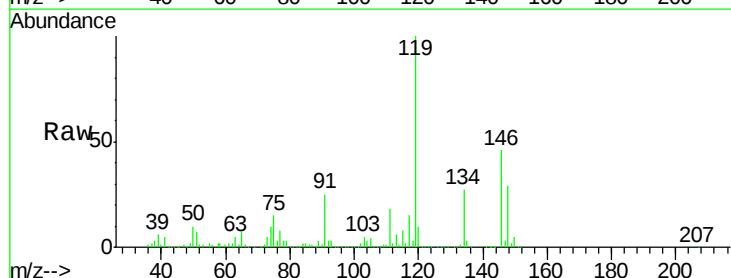
Tgt Ion:119 Resp: 1126052

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

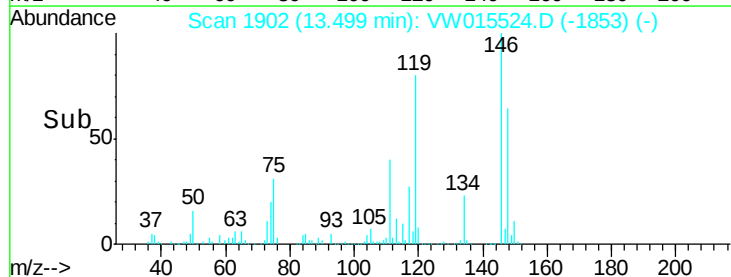
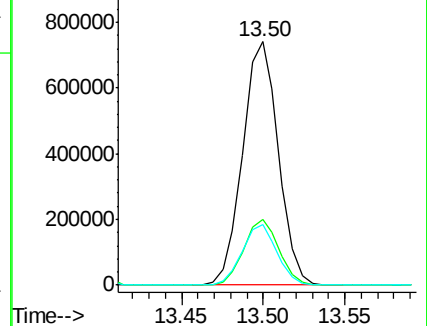
91 24.2 12.0 36.0

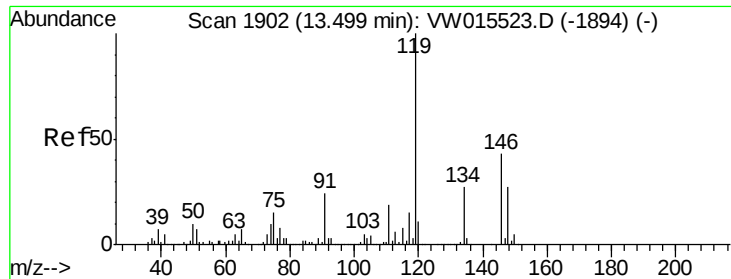


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

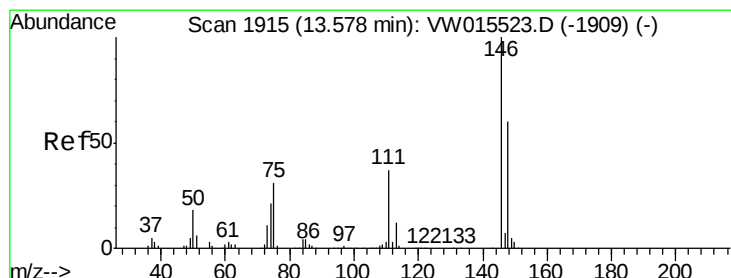
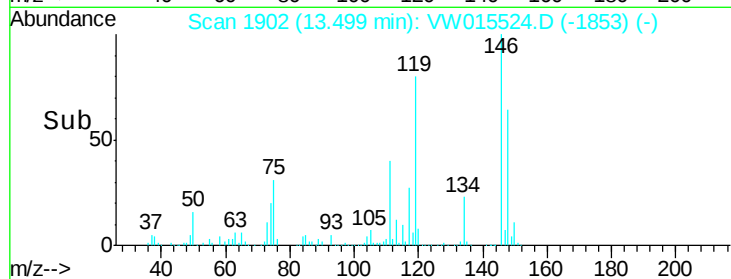
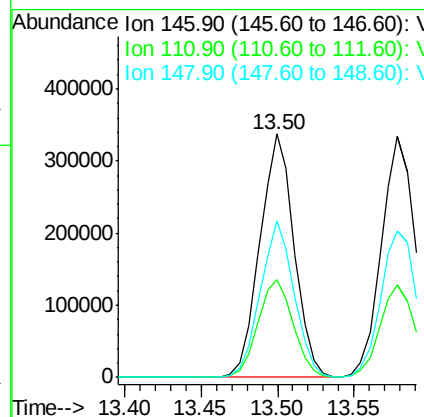
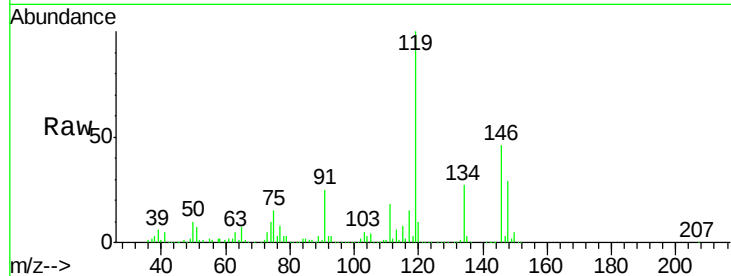




#87
 1,3-Dichlorobenzene
 Concen: 103.213 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

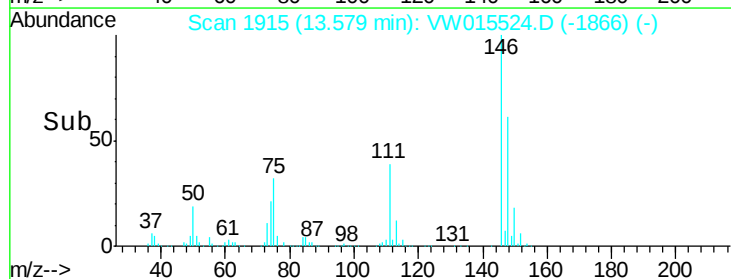
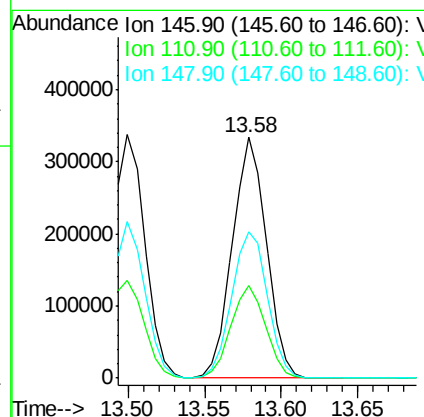
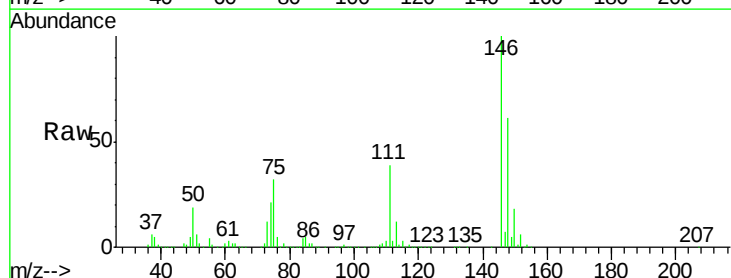
Instrument :
 MSVOA_W
 ClientSampleId :

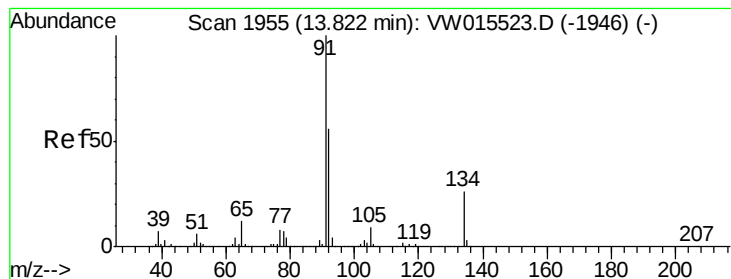
Tot Ion:146 Resp: 526279
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.8 62.5
 148 63.1 31.2 93.6



#88
 1,4-Dichlorobenzene
 Concen: 101.633 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion:146 Resp: 515328
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 63.6 30.9 92.7





#89

n-Butylbenzene

Concen: 102.001 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

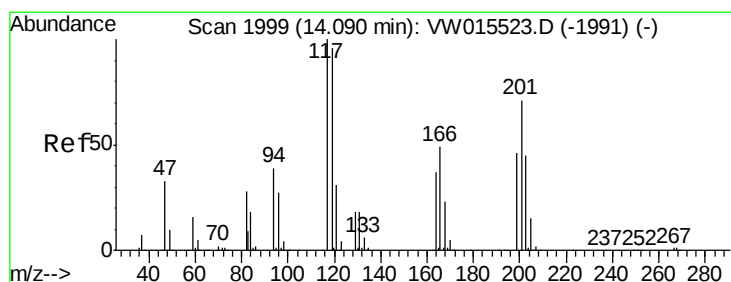
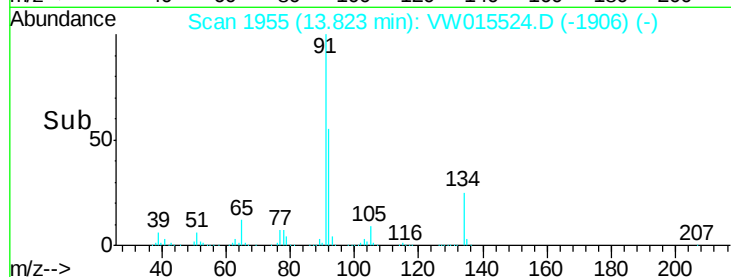
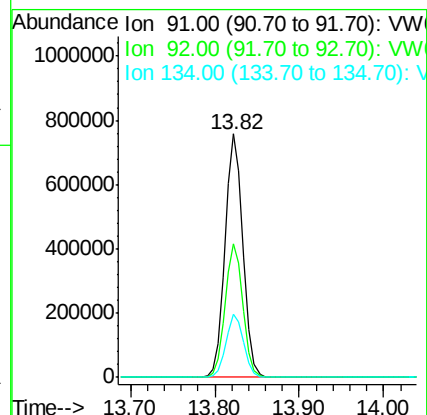
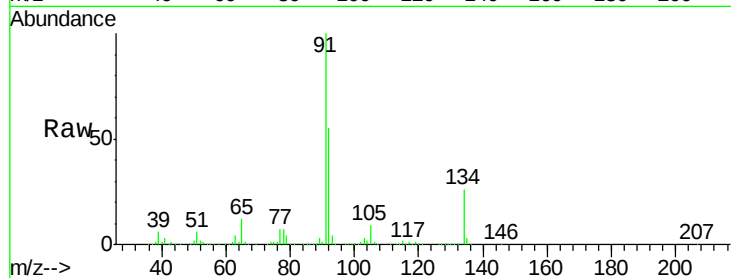
Tot Ion: 91 Resp: 1105588

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.9

134 25.9 13.1 39.1



#90

Hexachloroethane

Concen: 103.490 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015524.D

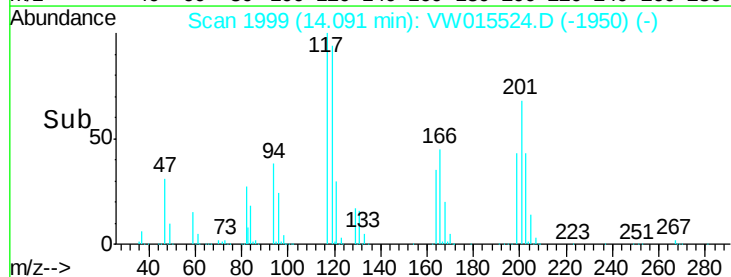
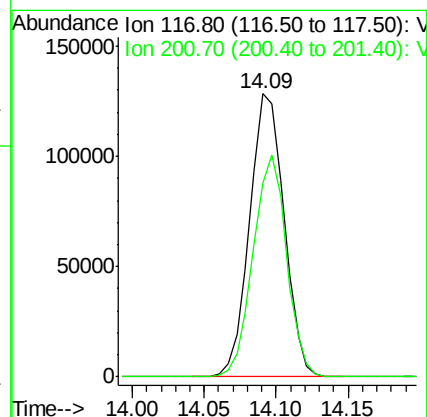
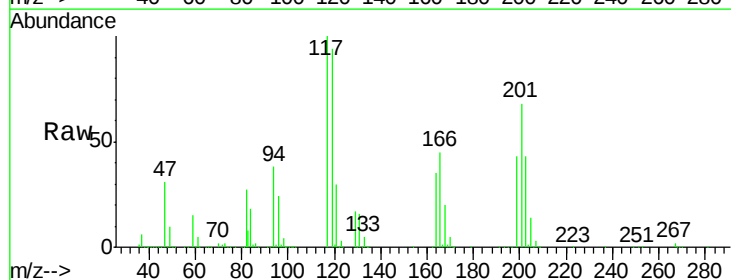
Acq: 02 Jun 2020 13:00

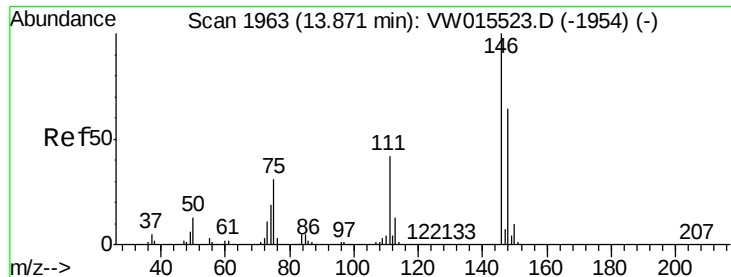
Tgt Ion: 117 Resp: 212677

Ion Ratio Lower Upper

117 100

201 75.7 38.5 115.3





#91

1,2-Dichlorobenzene

Concen: 101.691 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

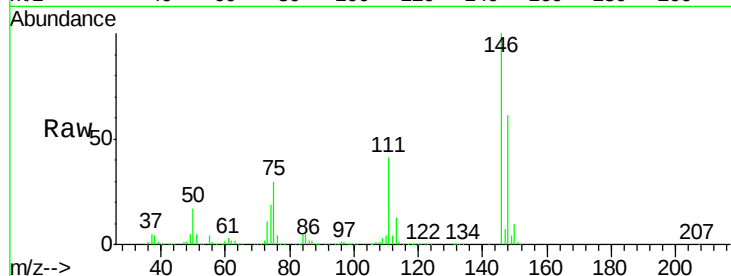
Tot Ion:146 Resp: 453236

Ion Ratio Lower Upper

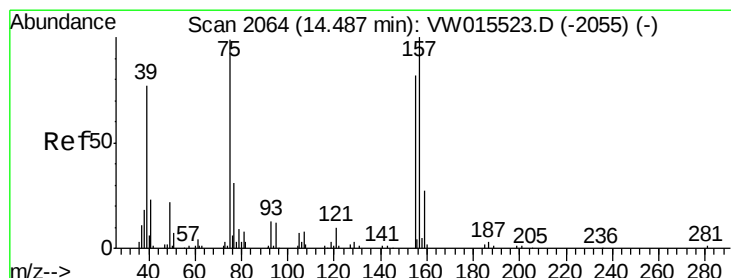
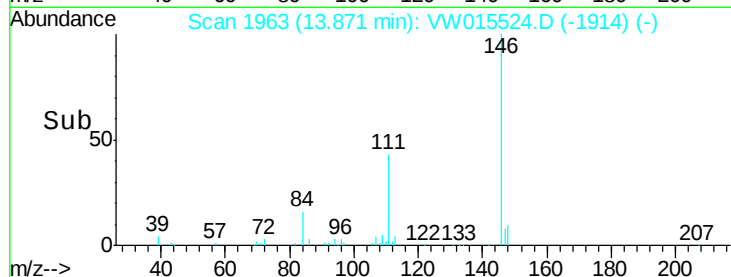
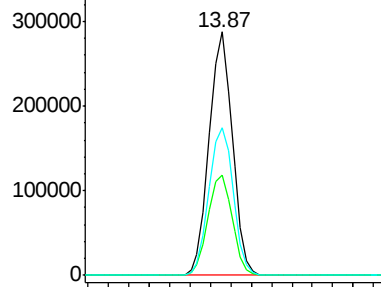
146 100

111 42.8 20.9 62.8

148 63.4 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.676 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

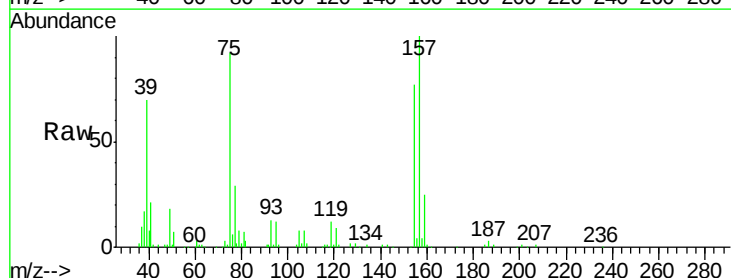
Tgt Ion: 75 Resp: 32248

Ion Ratio Lower Upper

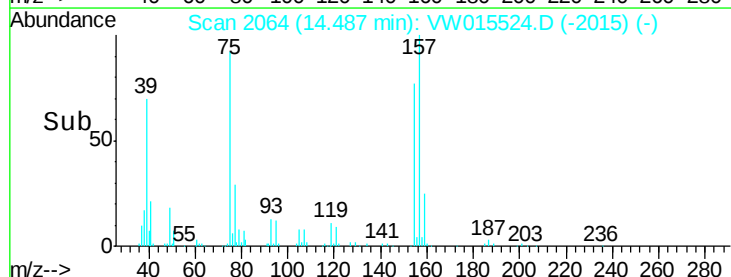
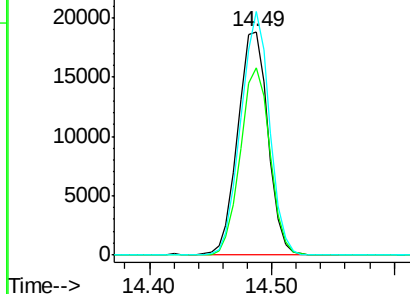
75 100

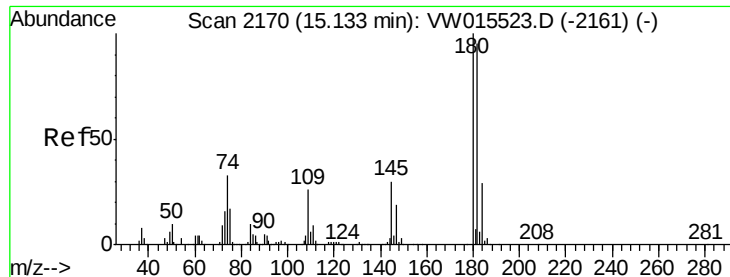
155 81.8 40.4 121.1

157 103.3 50.5 151.6



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

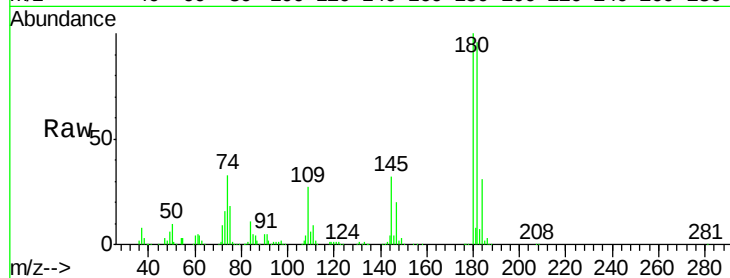




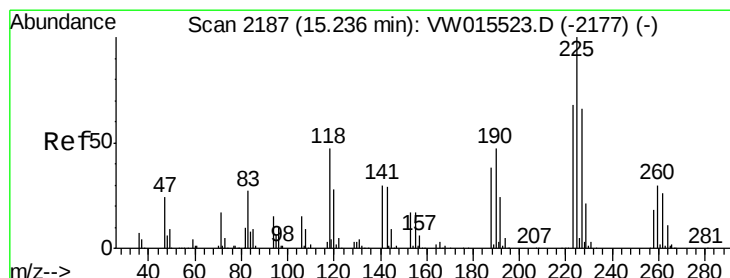
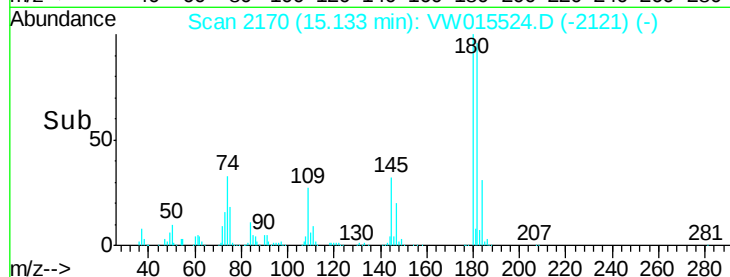
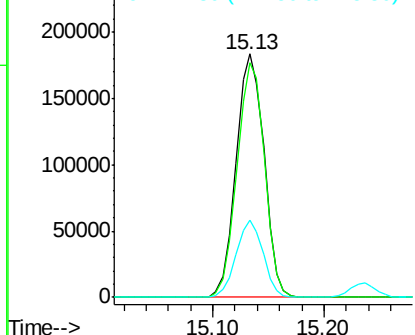
#93
 1,2,4-Trichlorobenzene
 Concen: 106.105 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	30.7	15.4	46.2

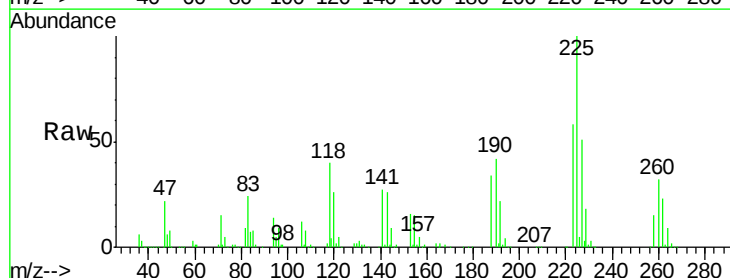


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

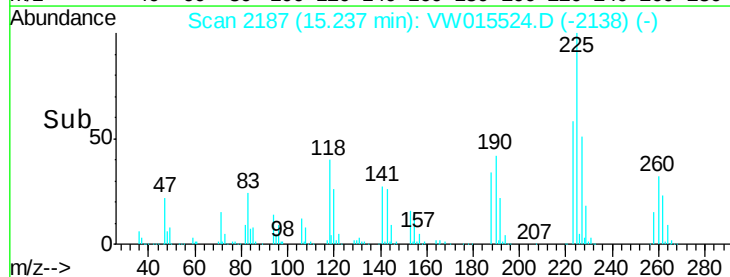
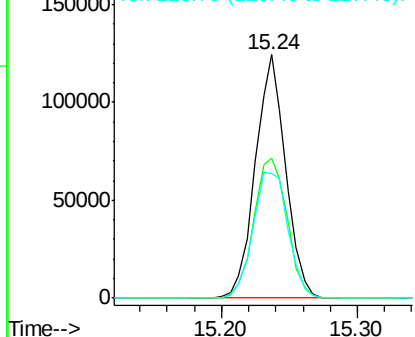


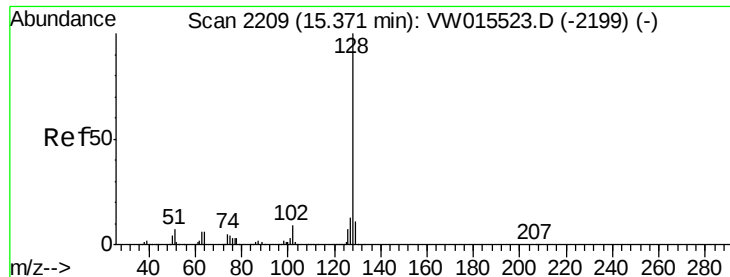
#94
 Hexachlorobutadiene
 Concen: 109.716 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.4
227	60.1	32.6	97.8



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

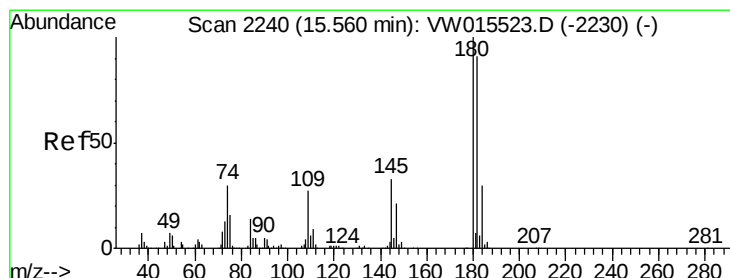
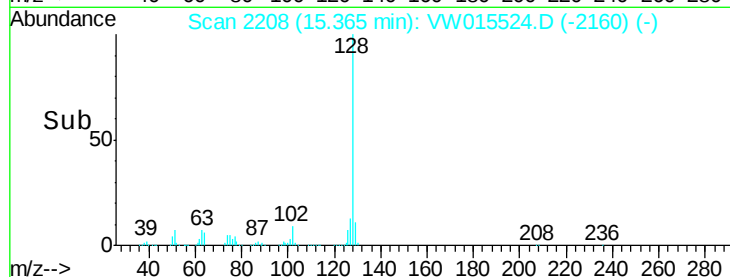
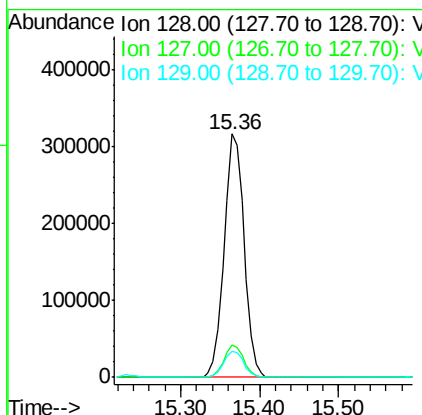
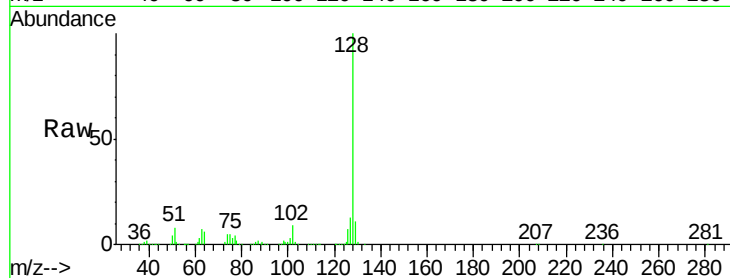




#95
Naphthalene
Concen: 103.217 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 554384
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 103.879 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:180 Resp: 267738
Ion Ratio Lower Upper
180 100
182 96.3 47.1 141.4
145 32.6 16.3 48.8

