

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010522.D
 Acq On : 22 May 2019 21:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 23 07:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	221911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	69620	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
35) Dibromofluoromethane	7.88	113	71053	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.32	98	264879	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	104712	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	55323	50.067	ug/l	98
3) Chloromethane	2.21	50	63366	48.624	ug/l	98
4) Vinyl Chloride	2.35	62	67398	44.649	ug/l	100
5) Bromomethane	2.75	94	50297	48.435	ug/l	96
6) Chloroethane	2.91	64	48128	49.668	ug/l	99
7) Trichlorofluoromethane	3.25	101	113788	51.059	ug/l	97
8) Diethyl Ether	3.68	74	38906	55.073	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70623	51.458	ug/l	100
10) Methyl Iodide	4.27	142	79523	50.694	ug/l	99
11) Tert butyl alcohol	5.17	59	30942	268.699	ug/l	99
12) 1,1-Dichloroethene	4.03	96	66547	50.795	ug/l	95
13) Acrolein	3.89	56	16606	247.236	ug/l	98
14) Allyl chloride	4.67	41	97876	51.612	ug/l	100
15) Acrylonitrile	5.37	53	80836	273.227	ug/l	98
16) Acetone	4.12	43	62908	240.730	ug/l	100
17) Carbon Disulfide	4.38	76	195487	50.026	ug/l	100
18) Methyl Acetate	4.67	43	33182	51.918	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	187121	56.026	ug/l	96
20) Methylene Chloride	4.92	84	77167	50.364	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	80018	53.249	ug/l	100
22) Diisopropyl ether	6.31	45	209011	53.752	ug/l	99
23) Vinyl Acetate	6.26	43	628369	270.530	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126445	54.492	ug/l	99
25) 2-Butanone	7.17	43	98646	263.777	ug/l	100
26) 2,2-Dichloropropane	7.17	77	106802	48.319	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	89889	55.021	ug/l	98
28) Bromochloromethane	7.51	49	48089	57.883	ug/l	95
29) Tetrahydrofuran	7.52	42	67122	265.241	ug/l	98
30) Chloroform	7.68	83	138466	55.322	ug/l	99
31) Cyclohexane	7.95	56	115501	47.518	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	125251	52.357	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103248	49.946	ug/l	99
37) Ethyl Acetate	7.25	43	46517	52.916	ug/l	98
38) Carbon Tetrachloride	8.07	117	111808	50.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	136050	49.123	ug/l	97
40) Benzene	8.32	78	301667	52.503	ug/l	100
41) Methacrylonitrile	7.48	41	26051	49.875	ug/l	96
42) 1,2-Dichloroethane	8.40	62	89600	54.562	ug/l	100
43) Isopropyl Acetate	8.42	43	90977	51.803	ug/l	99
44) Trichloroethene	9.09	130	90063	52.799	ug/l	99
45) 1,2-Dichloropropane	9.37	63	71904	52.693	ug/l	97
46) Dibromomethane	9.46	93	43198	54.130	ug/l	97
47) Bromodichloromethane	9.65	83	106431	53.071	ug/l	98
48) Methyl methacrylate	9.43	41	41094	51.147	ug/l	98
49) 1,4-Dioxane	9.45	88	14451	1108.502	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	230082	258.546	ug/l	99
52) Toluene	10.39	92	203140	52.645	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	105303	51.846	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	123275	53.145	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	63508	55.340	ug/l	96
56) Ethyl methacrylate	10.65	69	83113	52.513	ug/l	99
57) 1,3-Dichloropropane	10.93	76	105467	54.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	189557	270.396	ug/l	99
59) 2-Hexanone	10.97	43	161574	254.522	ug/l	99
60) Dibromochloromethane	11.13	129	79369	54.647	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63393	54.532	ug/l	99
64) Tetrachloroethene	10.86	164	73082	52.238	ug/l	99
65) Chlorobenzene	11.66	112	225641	52.753	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82191	53.642	ug/l	100
67) Ethyl Benzene	11.73	91	382463	50.646	ug/l	99
68) m/p-Xylenes	11.84	106	301951	101.941	ug/l	100
69) o-Xylene	12.16	106	145128	51.714	ug/l	99
70) Styrene	12.18	104	249522	52.403	ug/l	99
71) Bromoform	12.35	173	44698	52.974	ug/l #	100
73) Isopropylbenzene	12.46	105	385448	49.263	ug/l	100
74) N-amyl acetate	12.27	43	87228	48.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	71822	50.468	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89264	89.188	ug/l #	1
77) Bromobenzene	12.75	156	92967	53.096	ug/l	98
78) n-propylbenzene	12.80	91	440431	48.303	ug/l	99
79) 2-Chlorotoluene	12.90	91	262123	49.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	330494	49.873	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22125	46.136	ug/l	98
82) 4-Chlorotoluene	12.99	91	273517	49.834	ug/l	99
83) tert-Butylbenzene	13.21	119	282534	48.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	332486	50.377	ug/l	100
85) sec-Butylbenzene	13.38	105	394130	48.655	ug/l	99
86) p-Isopropyltoluene	13.50	119	359017	48.965	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	174755	50.872	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	179305	52.024	ug/l	99
89) n-Butylbenzene	13.83	91	333532	47.824	ug/l	99
90) Hexachloroethane	14.10	117	70663	49.791	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	163825	52.340	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12961	48.980	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

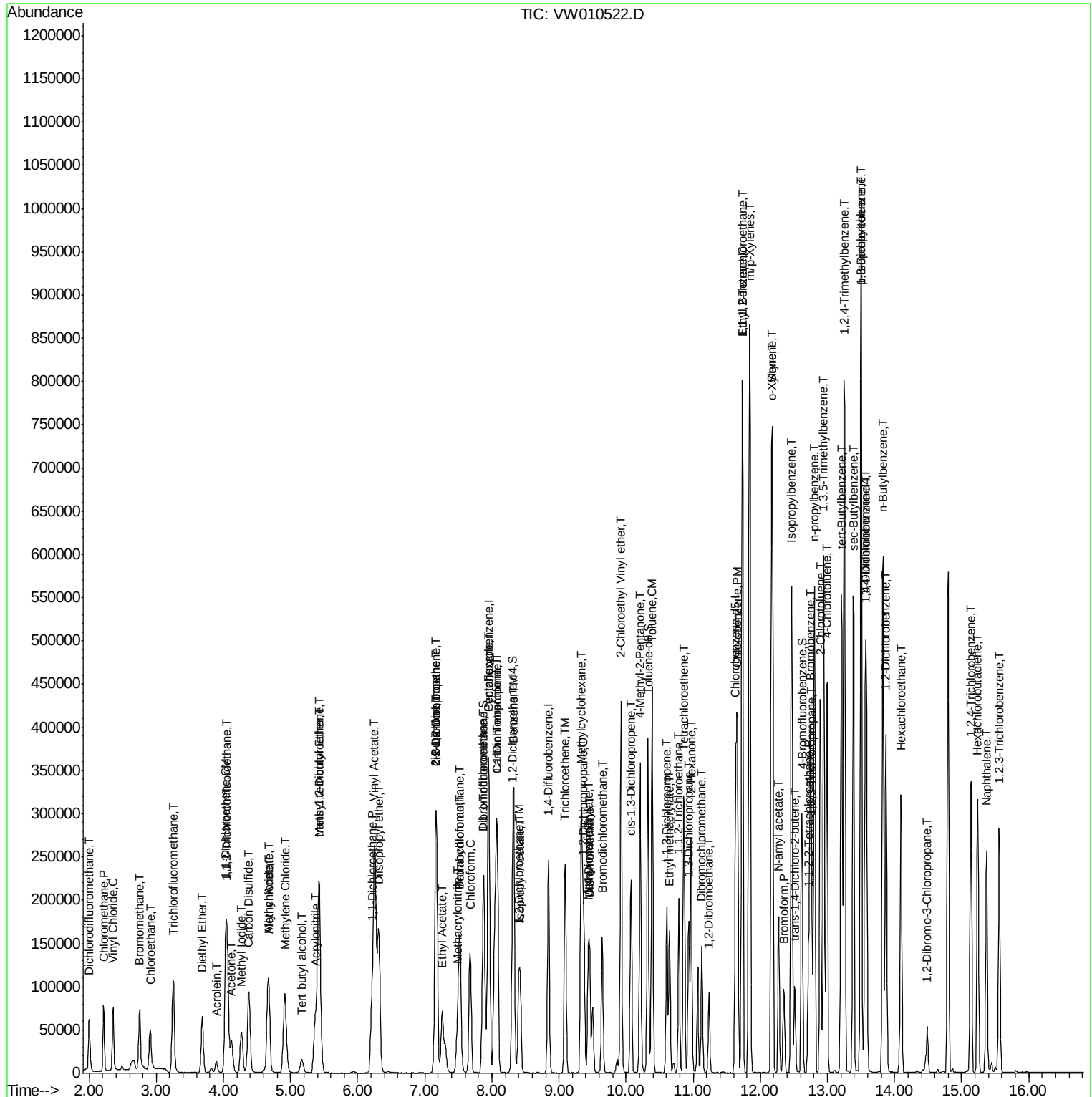
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	108485	50.941	ug/l	99
94) Hexachlorobutadiene	15.24	225	56082	49.294	ug/l	99
95) Naphthalene	15.37	128	230218	51.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	95220	51.963	ug/l	99

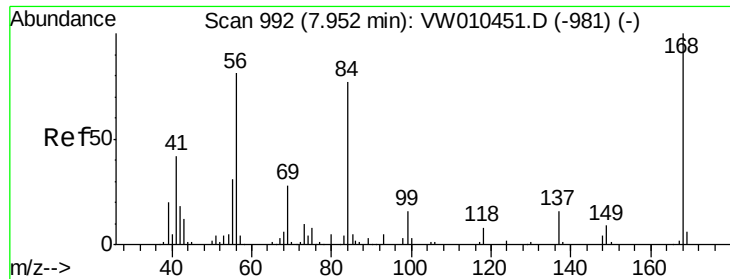
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010522.D
Acq On : 22 May 2019 21:01
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

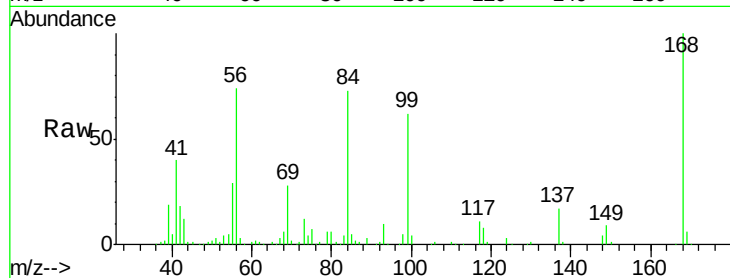
VSTDCCC050EC

Tot Ion:168 Resp: 124032

Ion Ratio Lower Upper

168 100

99 61.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

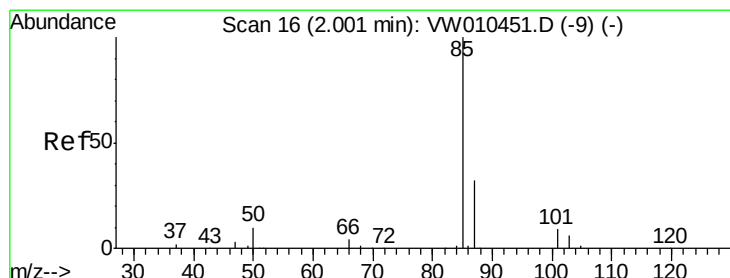
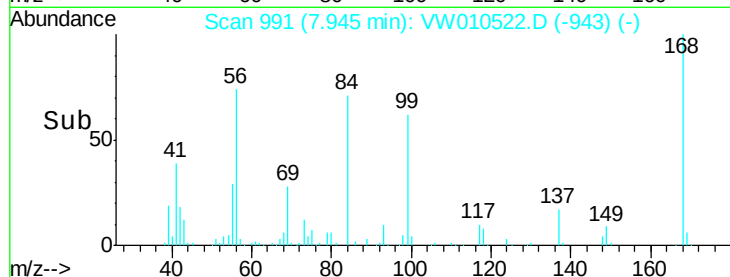
20000

10000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.067 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010522.D

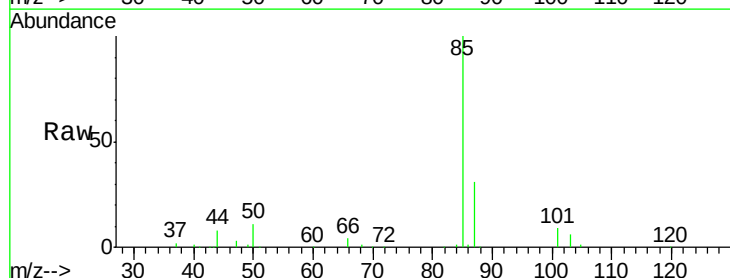
Acq: 22 May 2019 21:01

Tgt Ion: 85 Resp: 55323

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

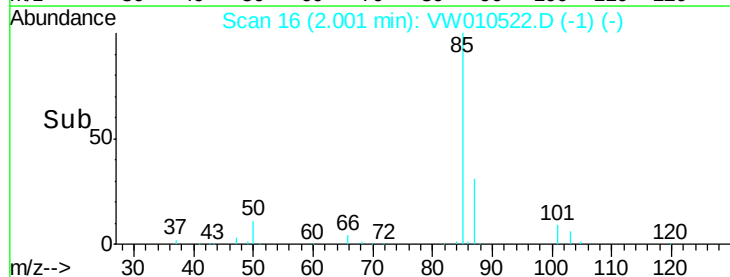
20000

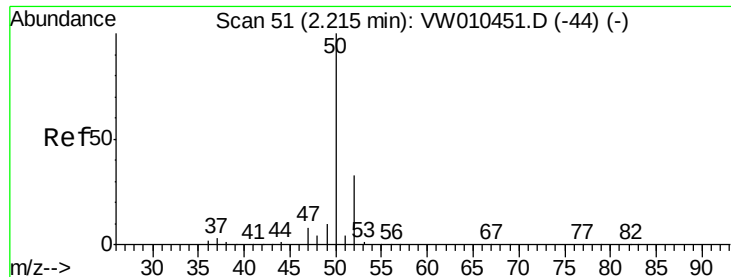
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.624 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

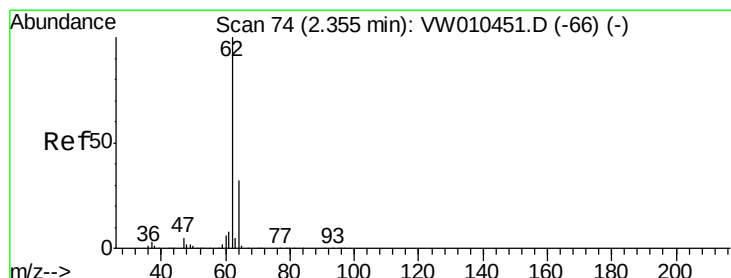
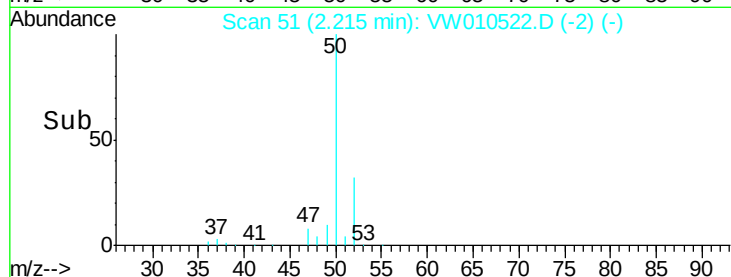
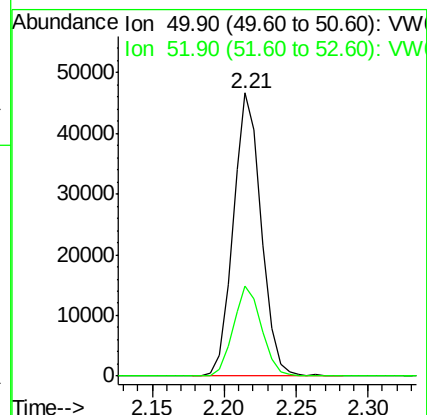
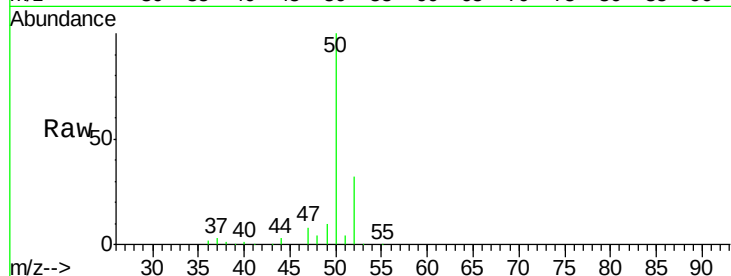
VSTDCCC050EC

Tot Ion: 50 Resp: 63366

Ion Ratio Lower Upper

50 100

52 31.7 26.3 39.5



#4

Vinyl Chloride

Concen: 44.649 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010522.D

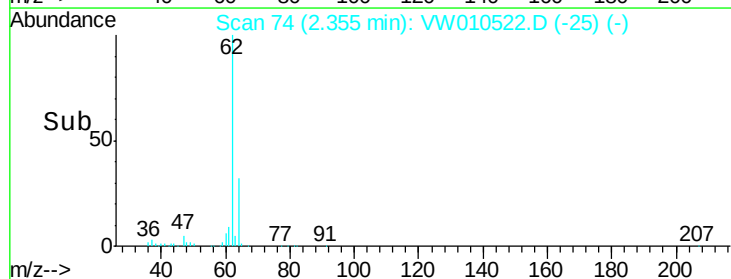
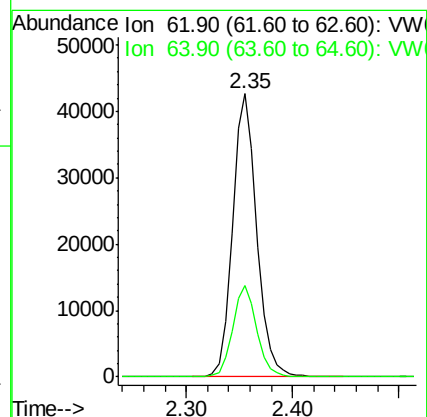
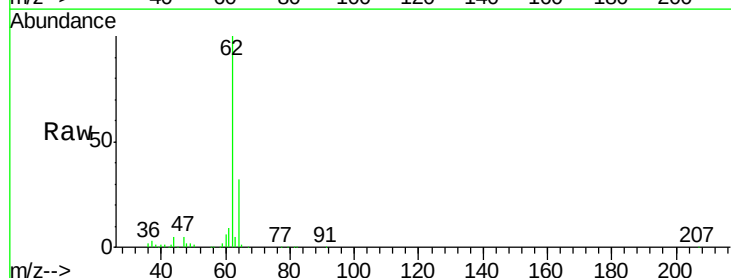
Acq: 22 May 2019 21:01

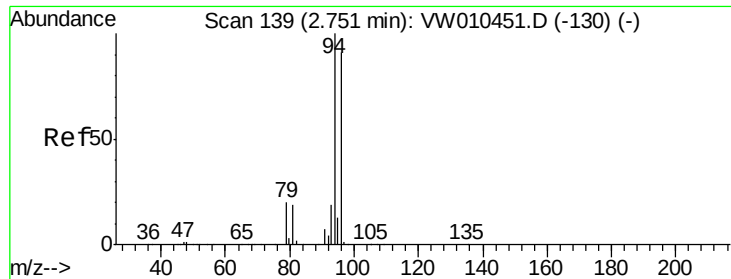
Tgt Ion: 62 Resp: 67398

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 48.435 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

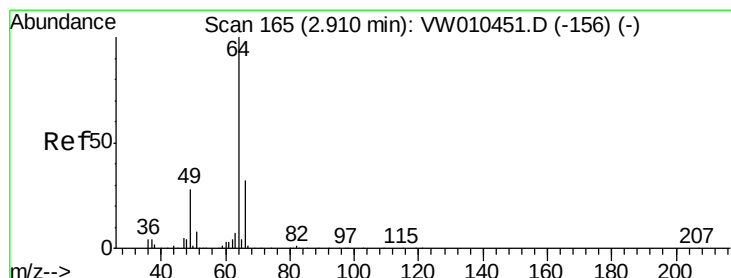
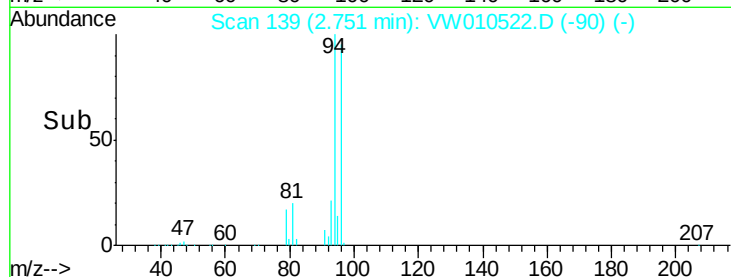
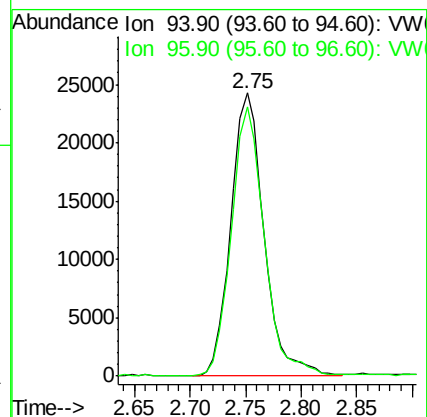
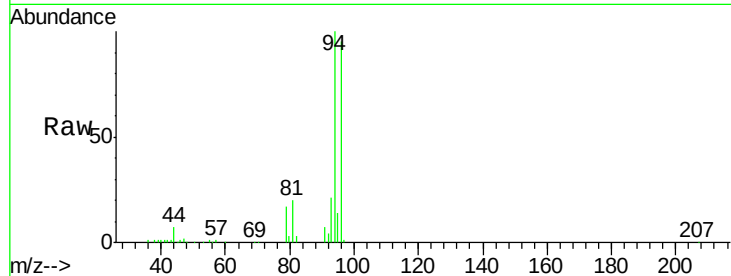
VSTDCCC050EC

Tot Ion: 94 Resp: 50297

Ion Ratio Lower Upper

94 100

96 94.7 72.9 109.3



#6

Chloroethane

Concen: 49.668 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010522.D

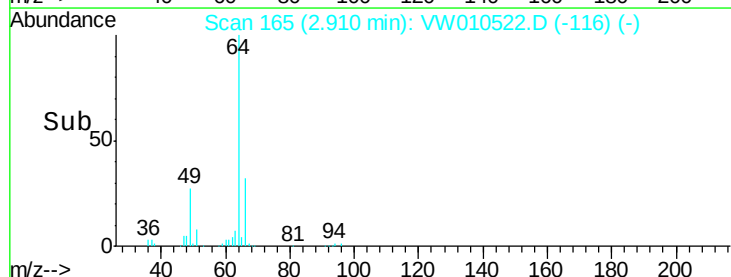
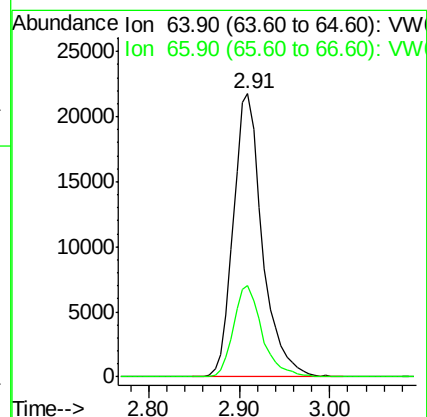
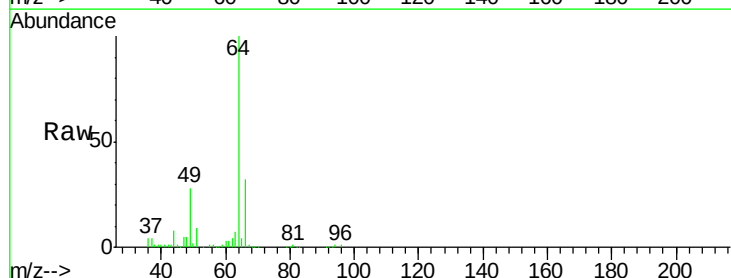
Acq: 22 May 2019 21:01

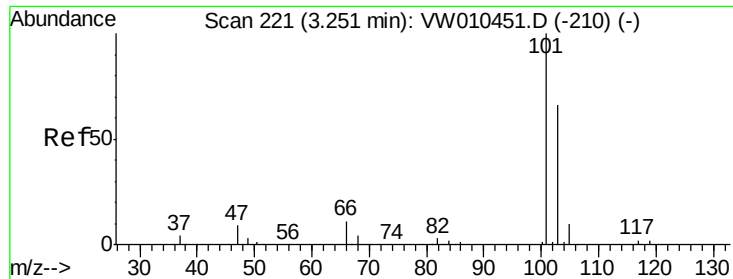
Tgt Ion: 64 Resp: 48128

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



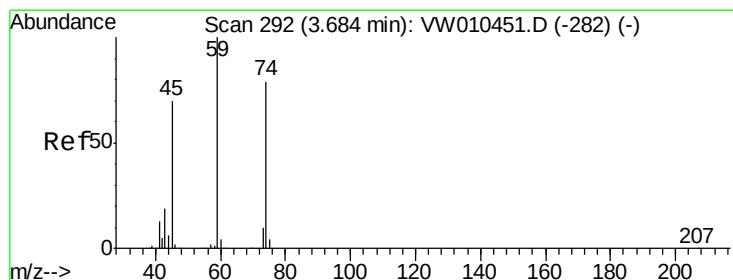
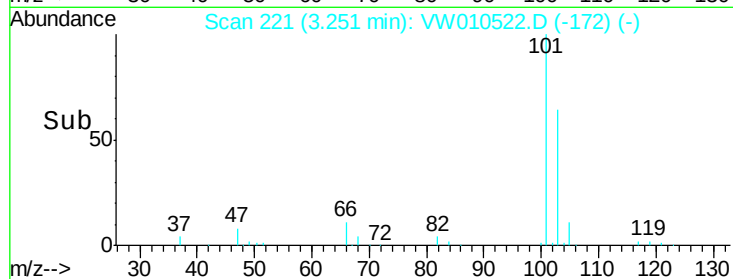
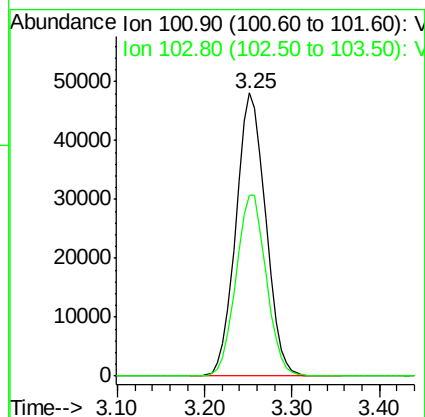
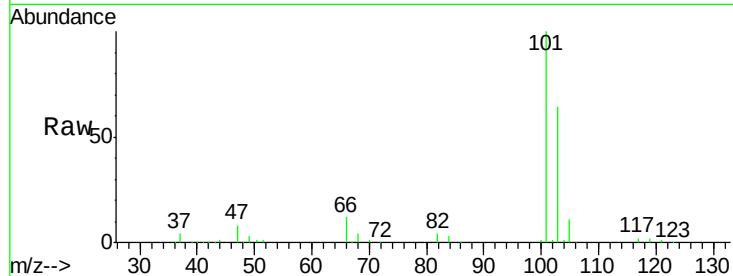


#7

Trichlorofluoromethane
Concen: 51.059 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

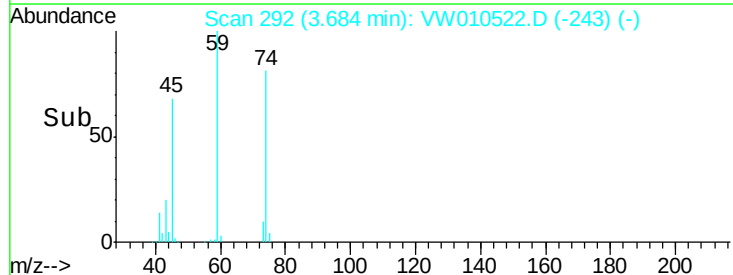
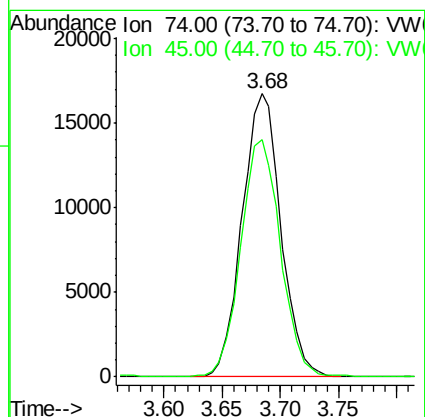
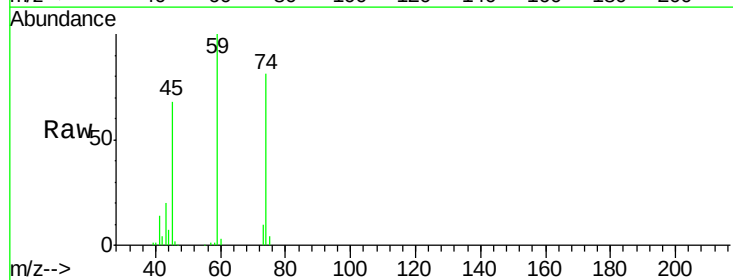
Tot Ion:101 Resp: 113788
Ion Ratio Lower Upper
101 100
103 64.1 53.0 79.4

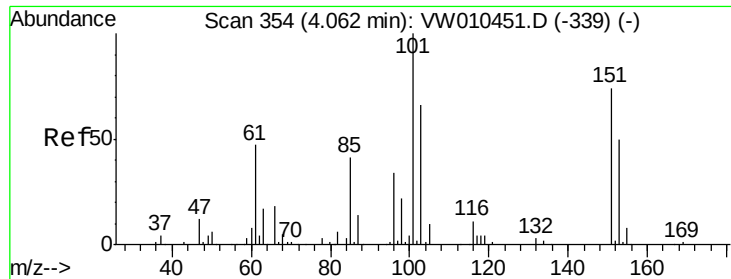


#8

Diethyl Ether
Concen: 55.073 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 74 Resp: 38906
Ion Ratio Lower Upper
74 100
45 85.8 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.458 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

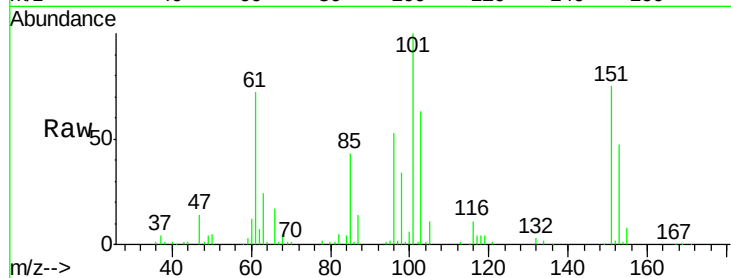
Tot Ion:101 Resp: 70623

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

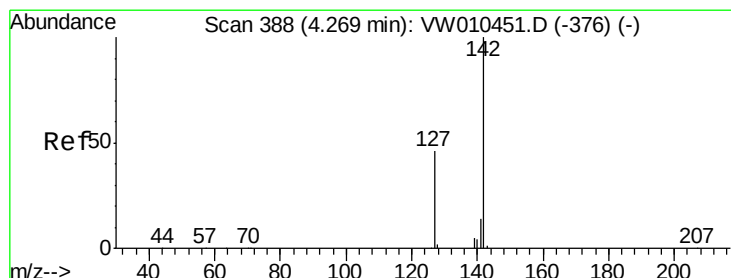
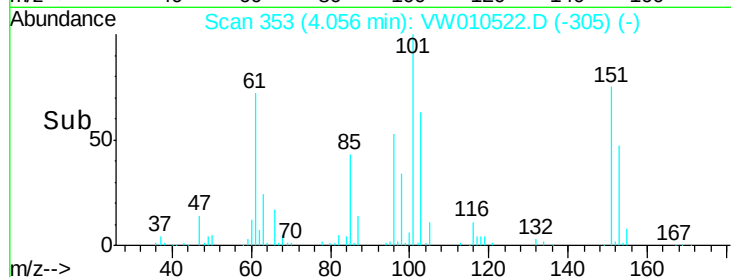
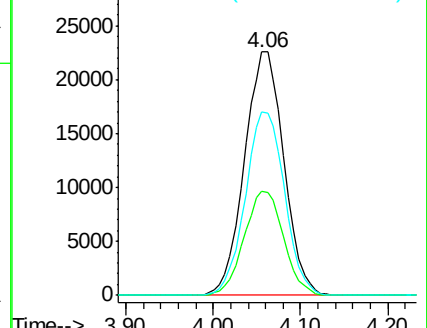
151 75.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.694 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

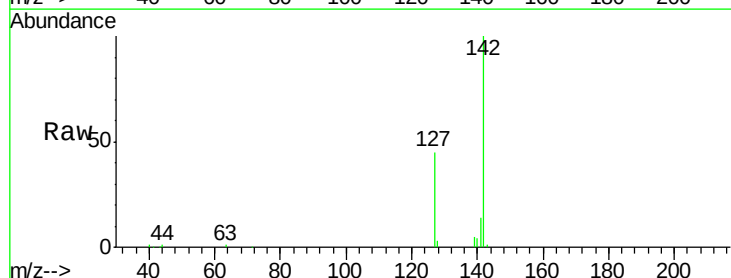
Tgt Ion:142 Resp: 79523

Ion Ratio Lower Upper

142 100

127 44.0 36.1 54.1

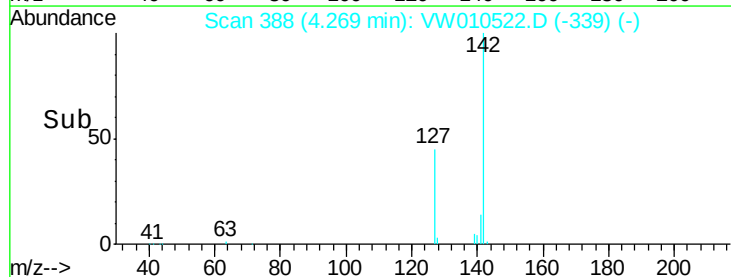
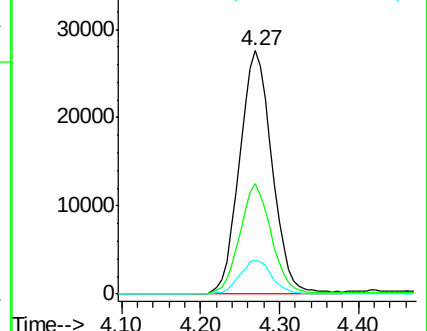
141 13.8 11.3 16.9

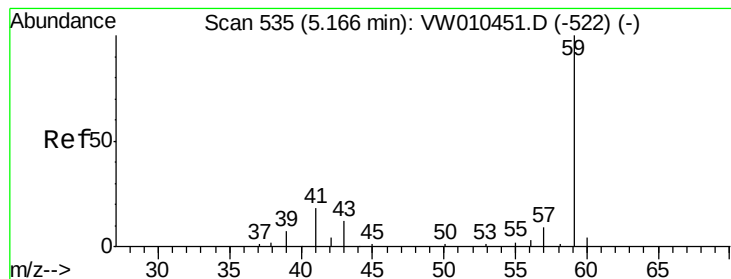


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



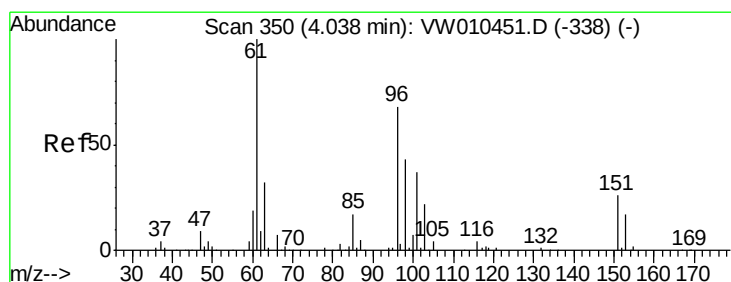
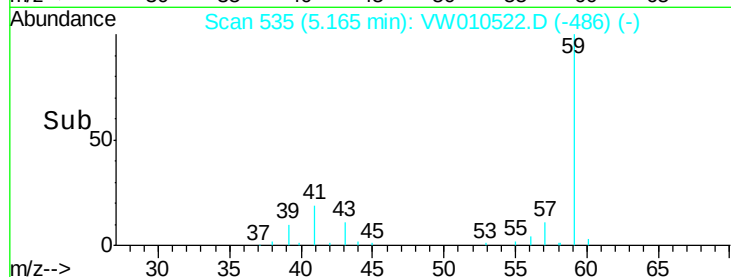
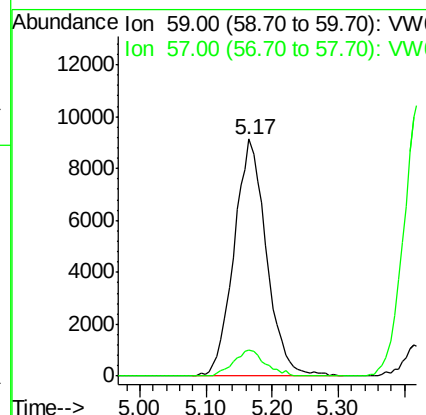
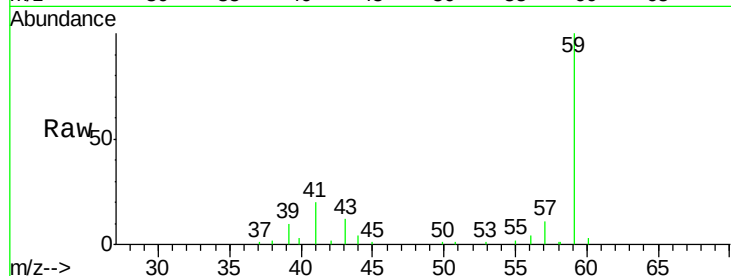


#11

Tert butyl alcohol
 Concen: 268.699 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

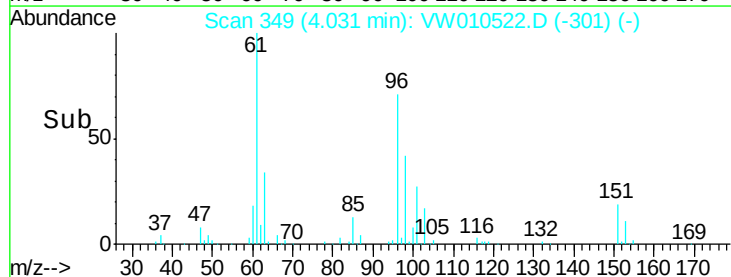
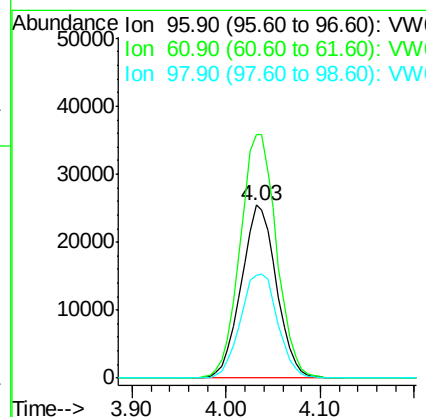
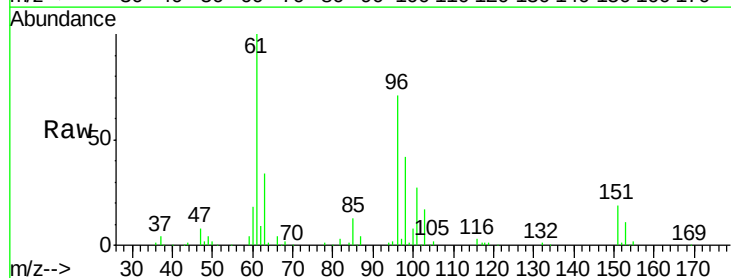
Tot Ion: 59 Resp: 30942
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

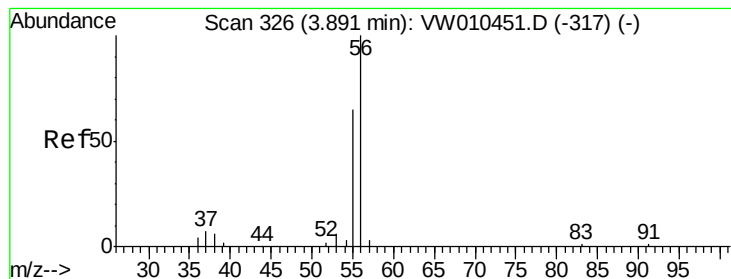


#12

1,1-Dichloroethene
 Concen: 50.795 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 96 Resp: 66547
 Ion Ratio Lower Upper
 96 100
 61 140.9 118.3 177.5
 98 59.6 51.0 76.6





#13

Acrolein

Concen: 247.236 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

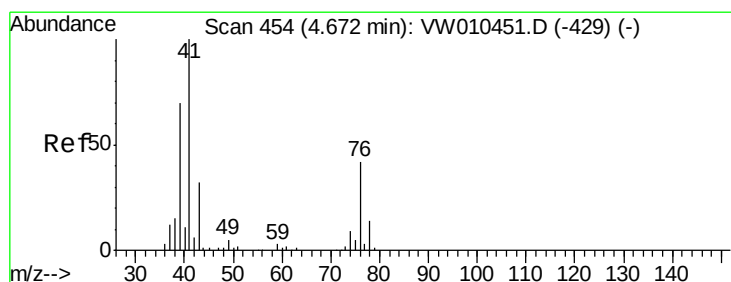
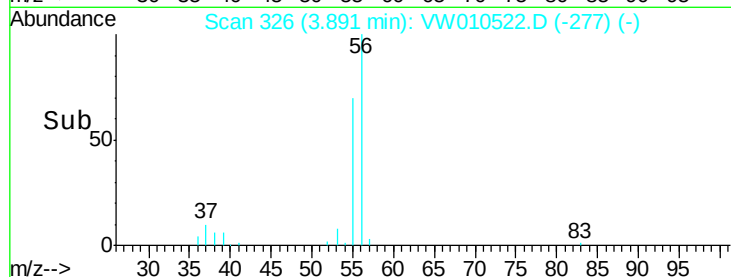
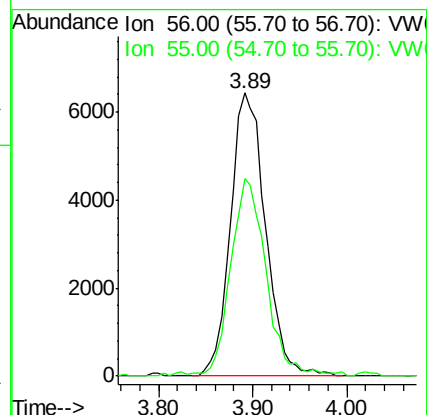
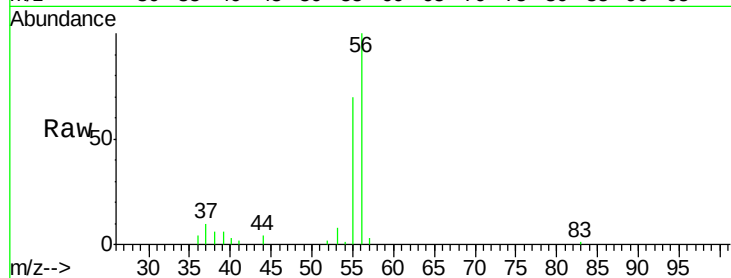
VSTDCCC050EC

Tot Ion: 56 Resp: 16606

Ion Ratio Lower Upper

56 100

55 70.6 57.9 86.9



#14

Allyl chloride

Concen: 51.612 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

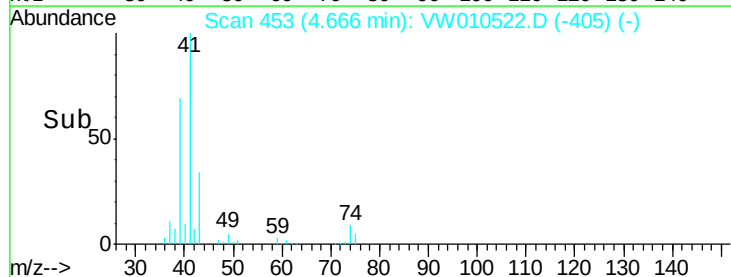
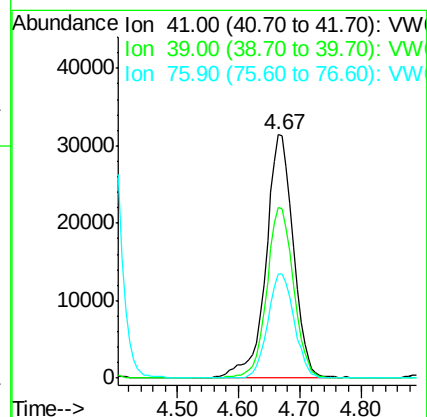
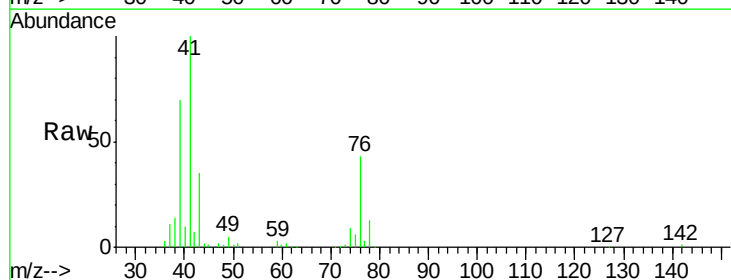
Tgt Ion: 41 Resp: 97876

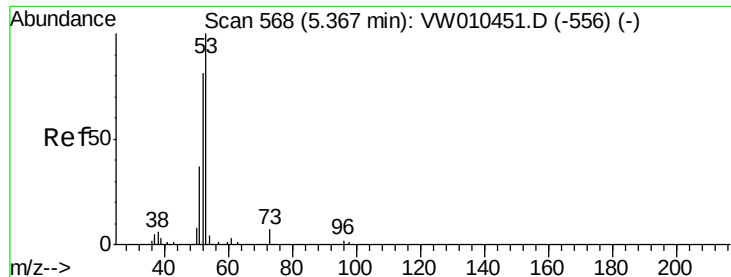
Ion Ratio Lower Upper

41 100

39 68.4 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 273.227 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

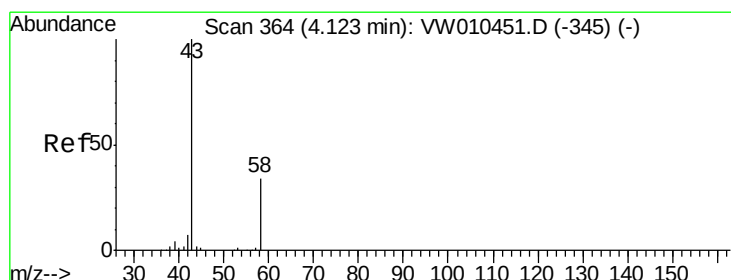
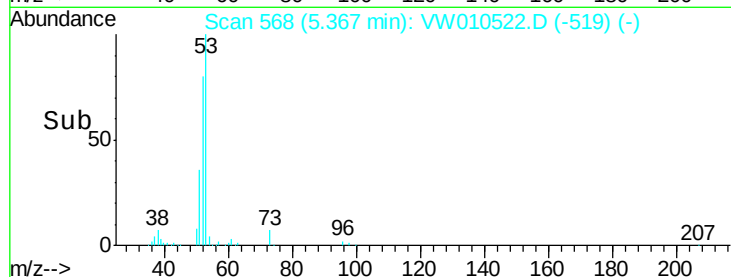
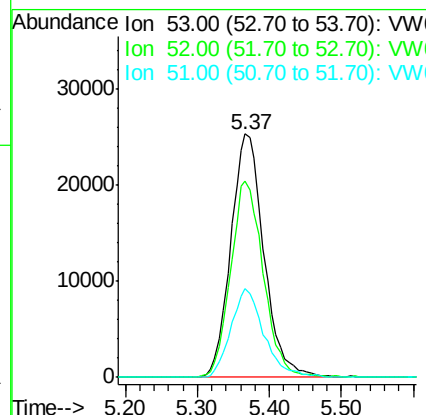
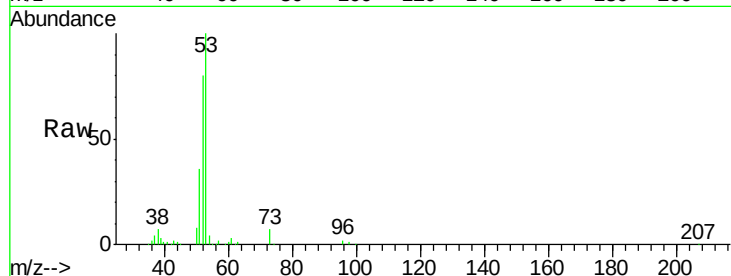
Tot Ion: 53 Resp: 80836

Ion Ratio Lower Upper

53 100

52 79.5 65.6 98.4

51 36.8 29.5 44.3



#16

Acetone

Concen: 240.730 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010522.D

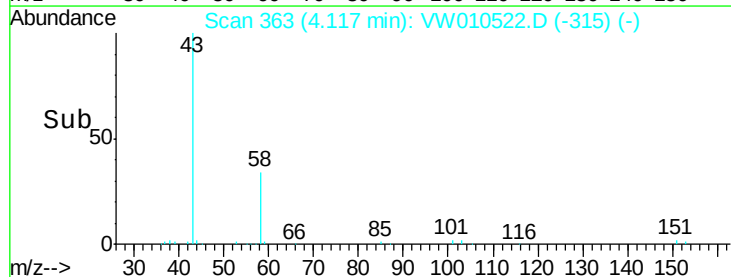
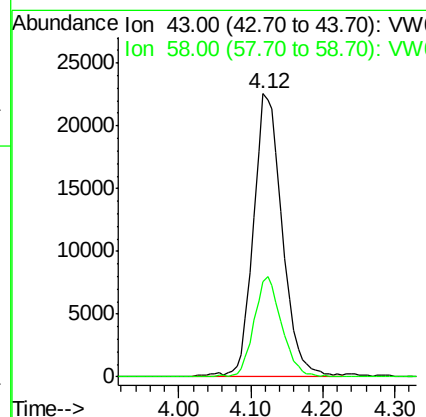
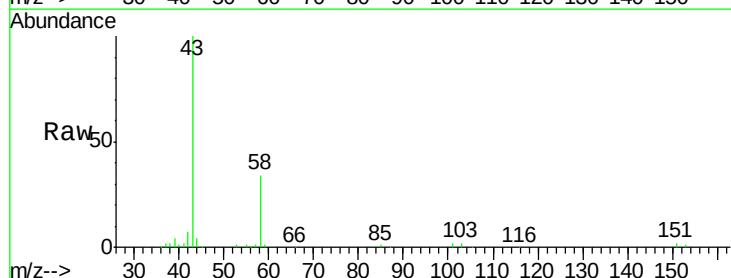
Acq: 22 May 2019 21:01

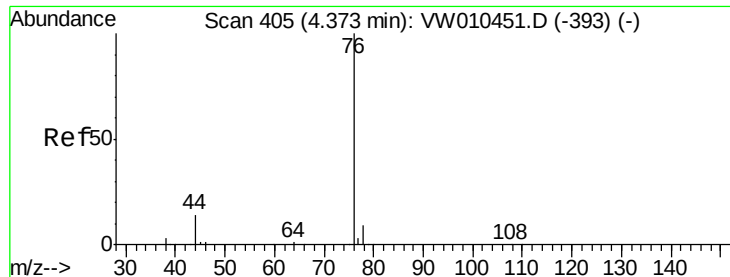
Tgt Ion: 43 Resp: 62908

Ion Ratio Lower Upper

43 100

58 33.5 27.0 40.4





#17

Carbon Disulfide

Concen: 50.026 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

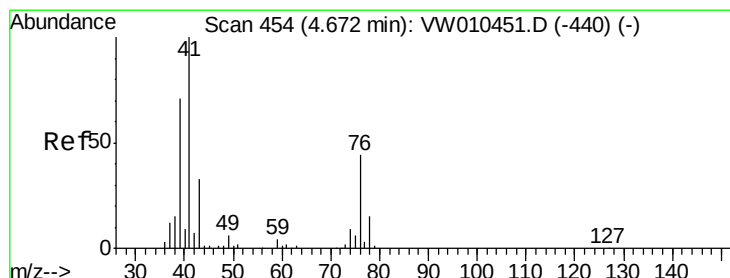
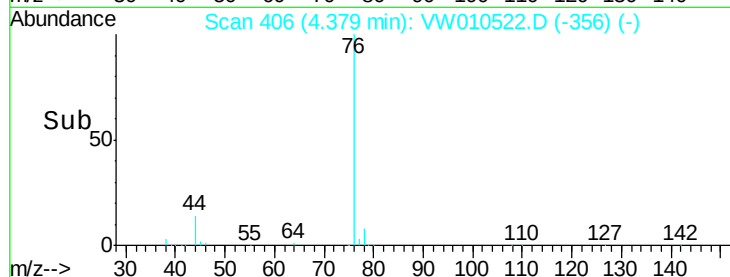
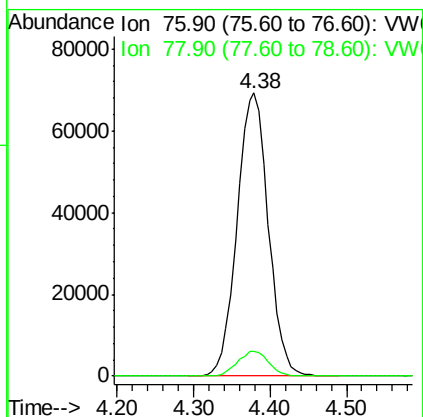
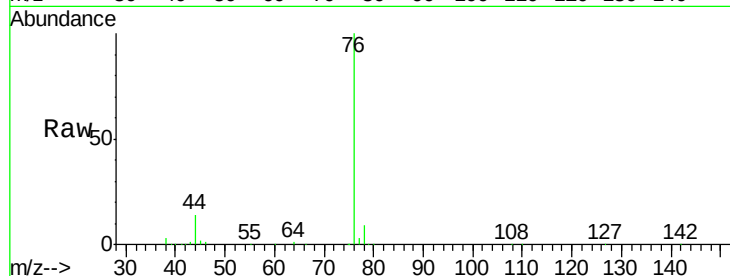
VSTDCCC050EC

Tot Ion: 76 Resp: 195487

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 51.918 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010522.D

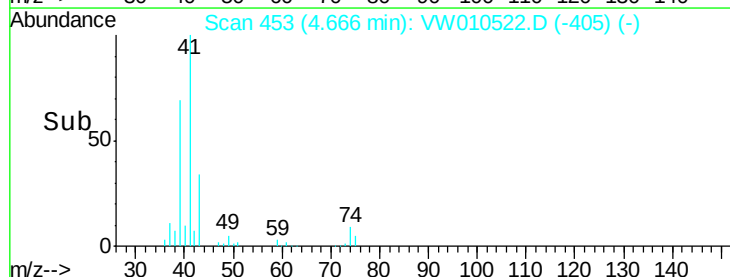
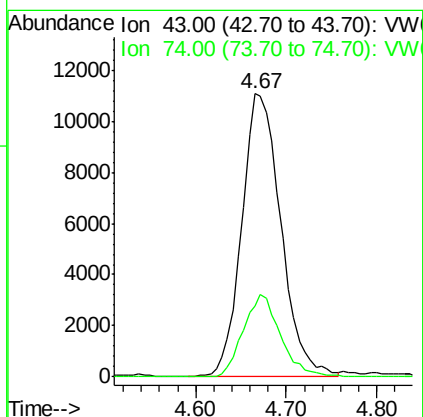
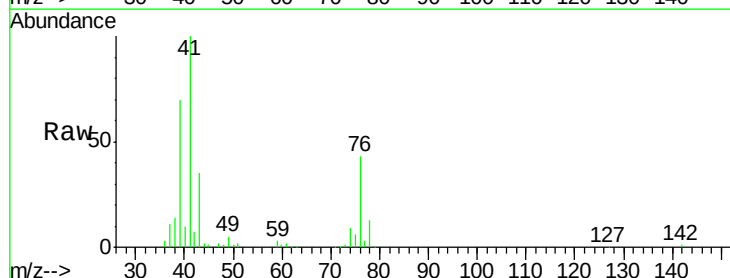
Acq: 22 May 2019 21:01

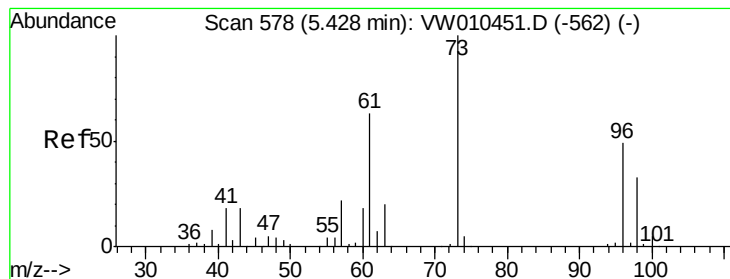
Tgt Ion: 43 Resp: 33182

Ion Ratio Lower Upper

43 100

74 27.5 21.6 32.4



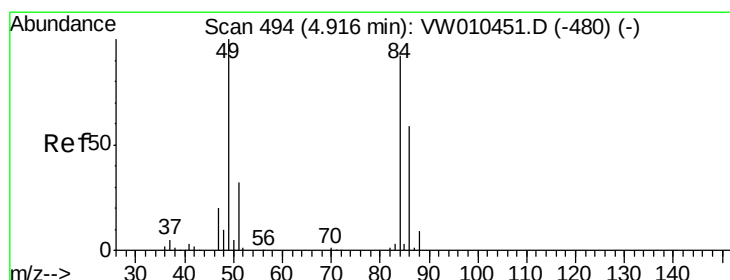
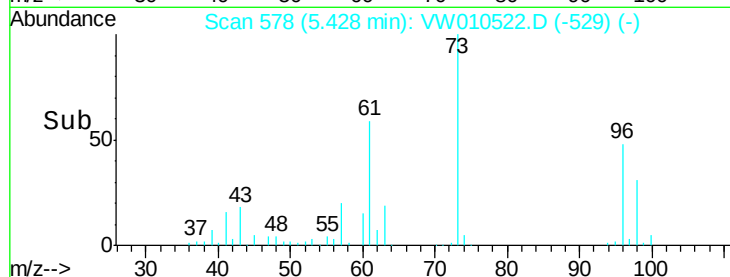
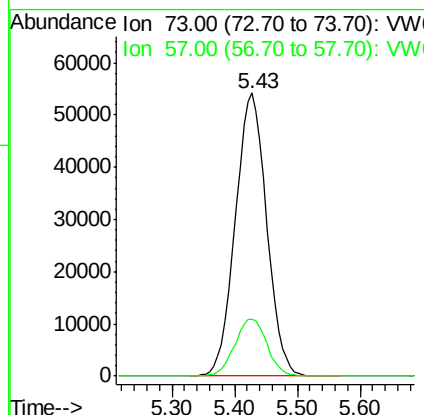
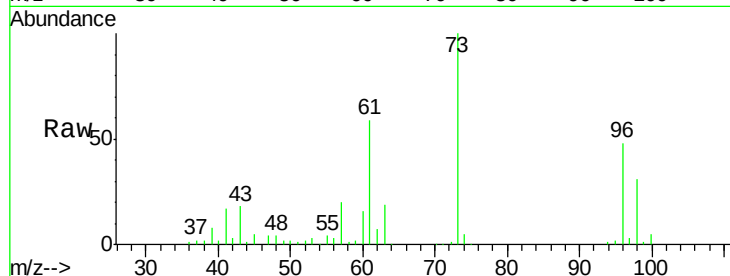


#19

Methyl tert-butyl Ether
 Concen: 56.026 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

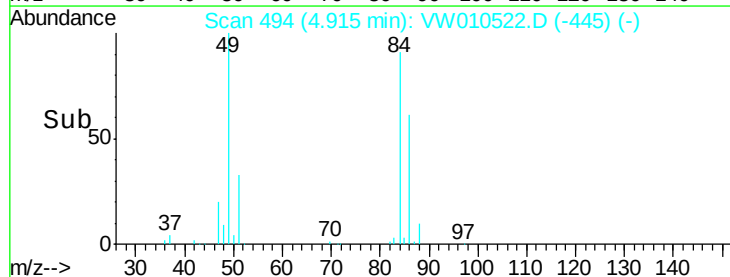
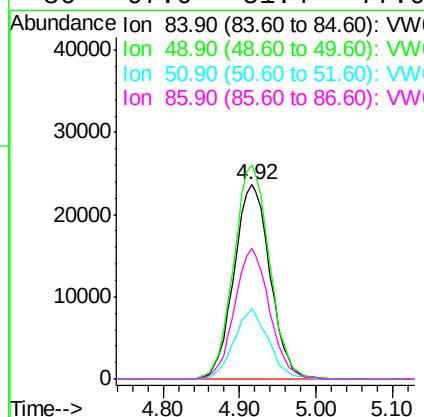
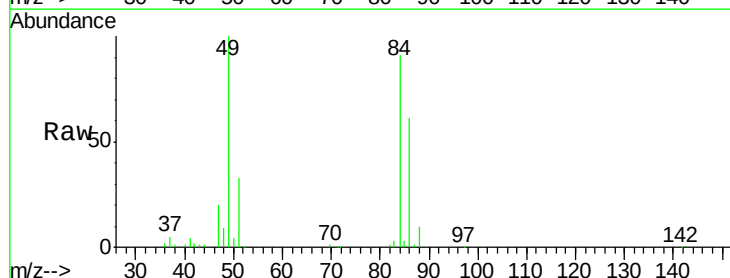
Tot Ion: 73 Resp: 187121
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.4 26.0

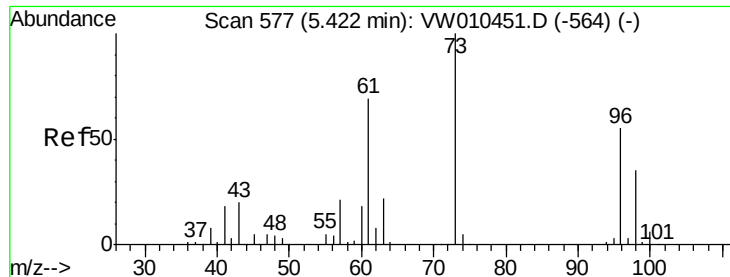


#20

Methylene Chloride
 Concen: 50.364 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 84 Resp: 77167
 Ion Ratio Lower Upper
 84 100
 49 110.1 87.2 130.8
 51 36.5 27.7 41.5
 86 67.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 53.249 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

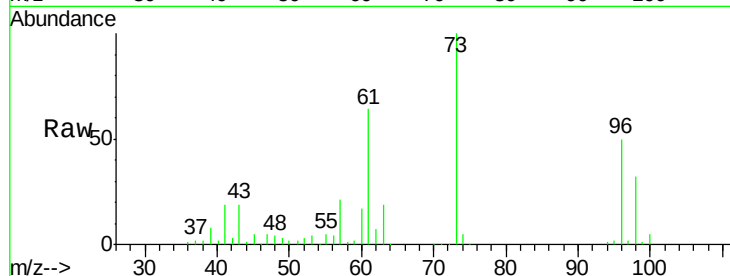
Tot Ion: 96 Resp: 80018

Ion Ratio Lower Upper

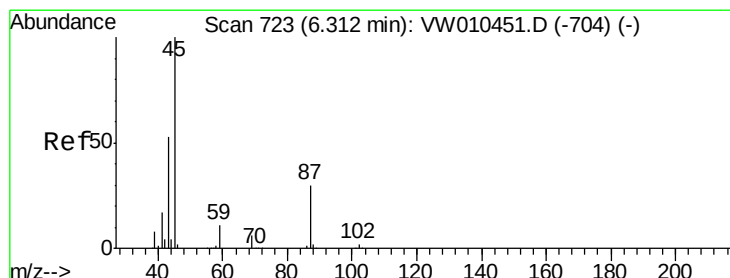
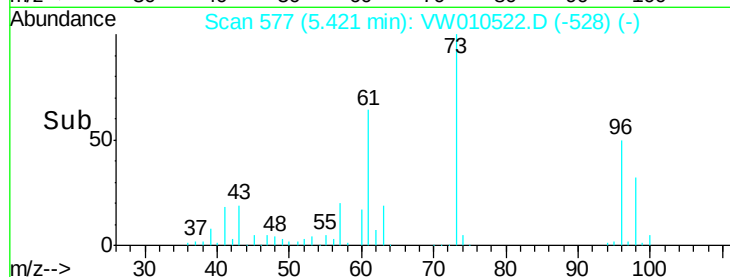
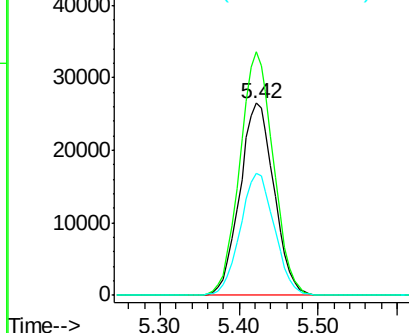
96 100

61 126.9 101.4 152.0

98 63.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 53.752 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion: 45 Resp: 209011

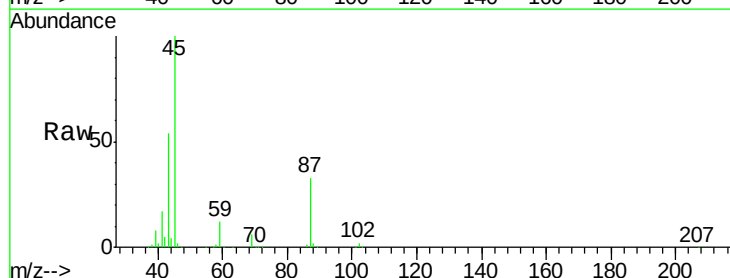
Ion Ratio Lower Upper

45 100

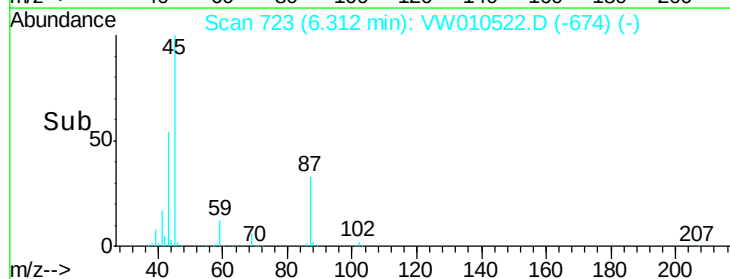
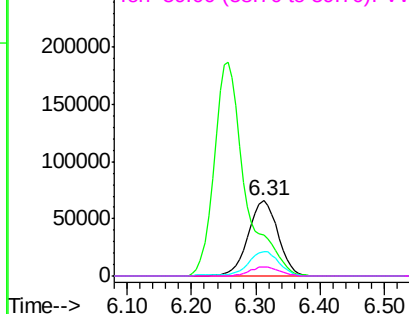
43 53.8 42.9 64.3

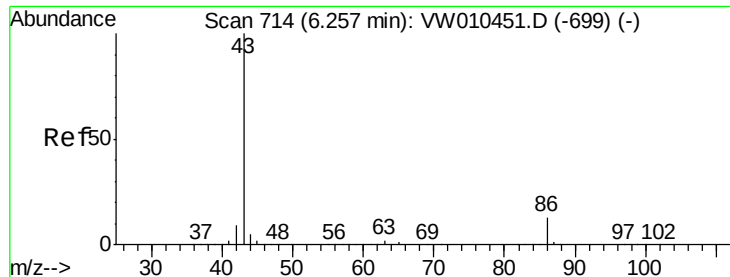
87 32.7 24.6 36.8

59 11.6 9.4 14.0



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: 270.530 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

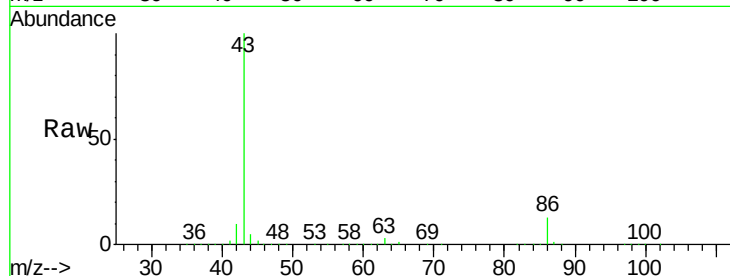
VSTDCCC050EC

Tot Ion: 43 Resp: 628369

Ion Ratio Lower Upper

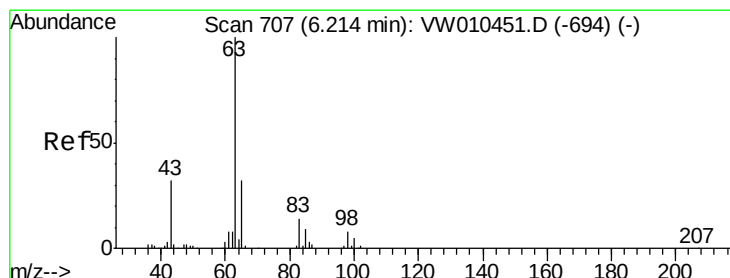
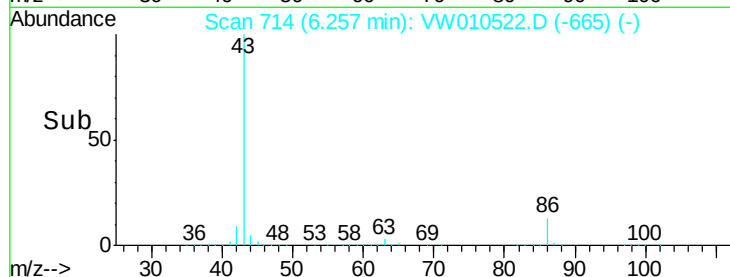
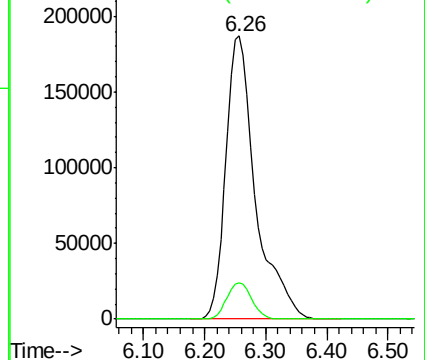
43 100

86 12.9 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.492 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

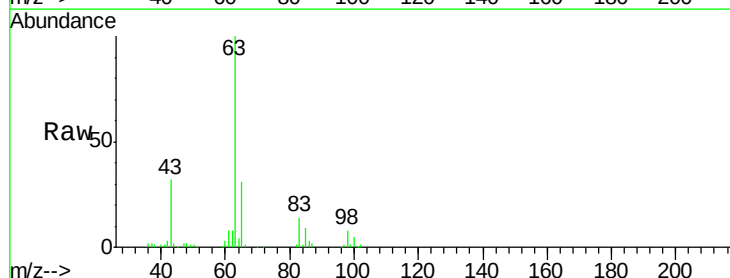
Tgt Ion: 63 Resp: 126445

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

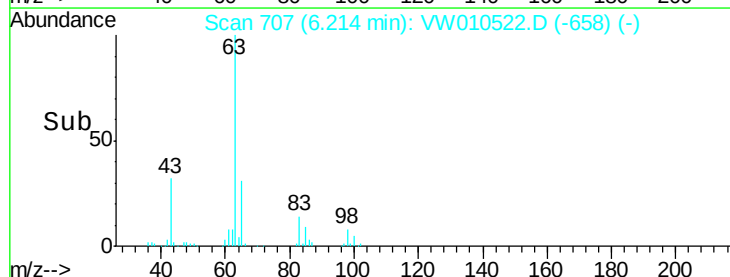
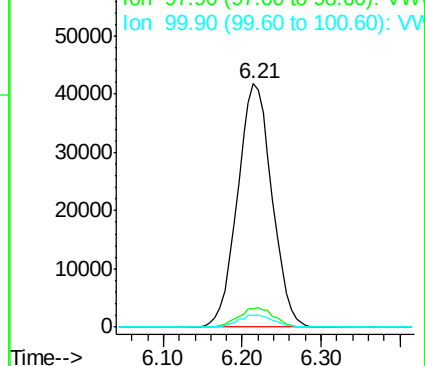
100 4.8 2.5 7.4

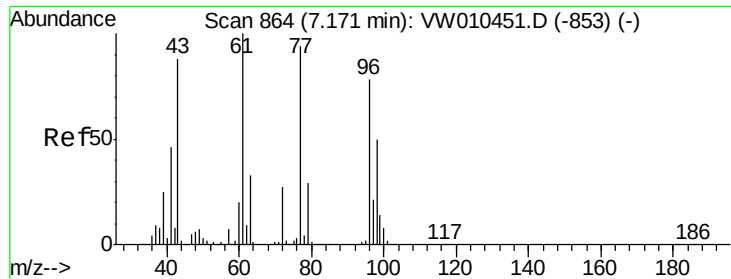


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 263.777 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

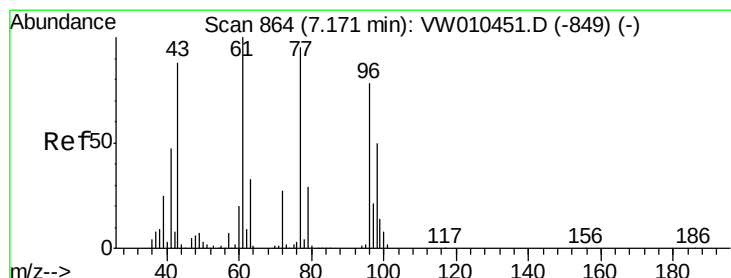
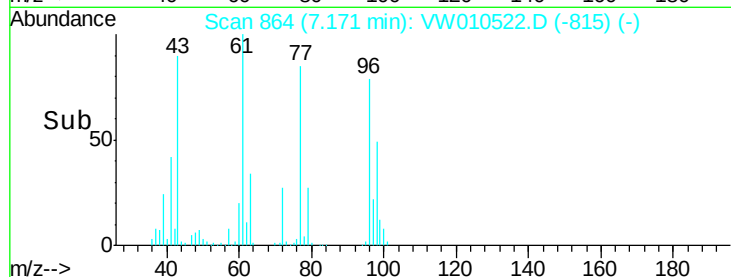
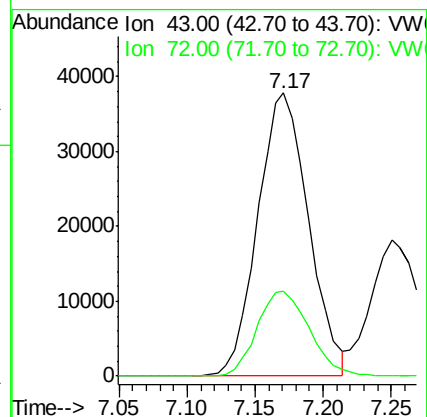
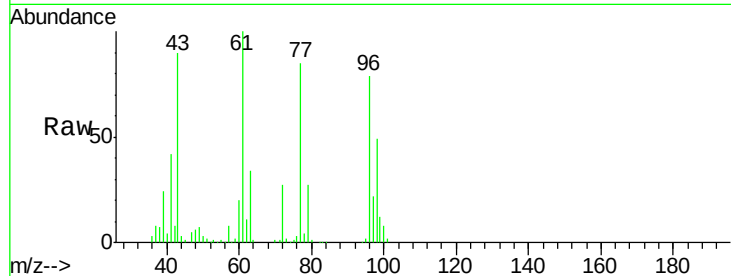
VSTDCCC050EC

Tot Ion: 43 Resp: 98646

Ion Ratio Lower Upper

43 100

72 30.2 24.1 36.1



#26

2,2-Dichloropropane

Concen: 48.319 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010522.D

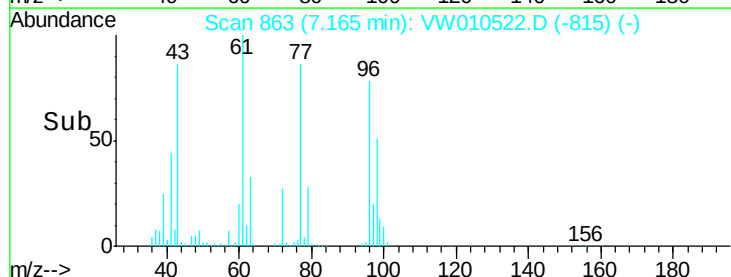
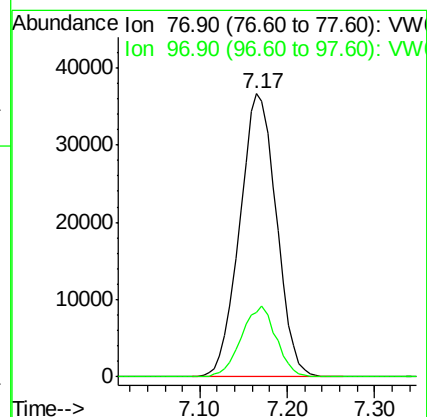
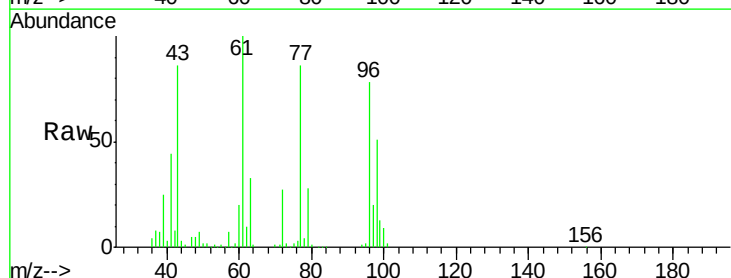
Acq: 22 May 2019 21:01

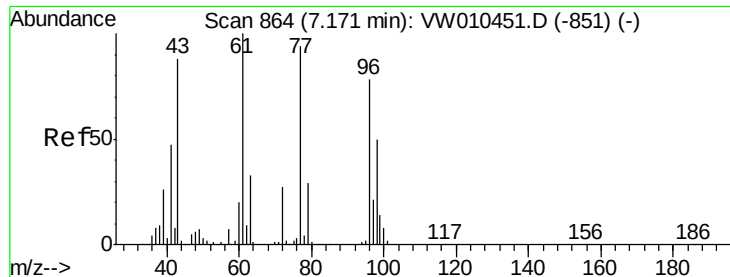
Tgt Ion: 77 Resp: 106802

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



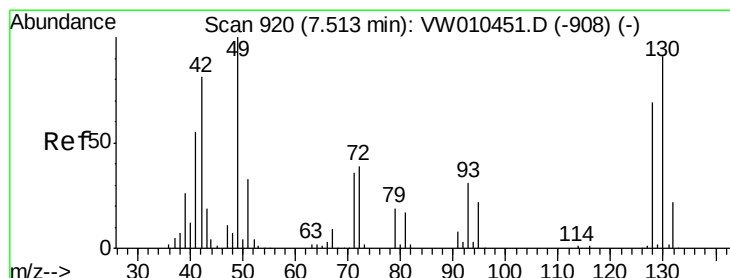
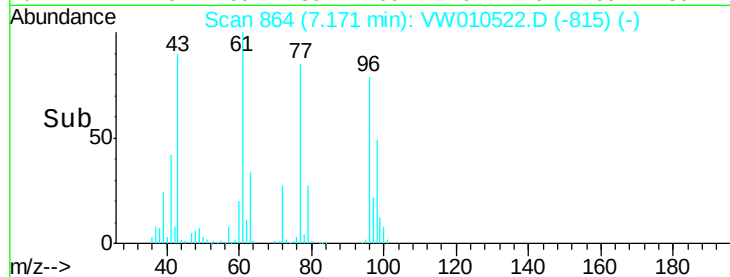
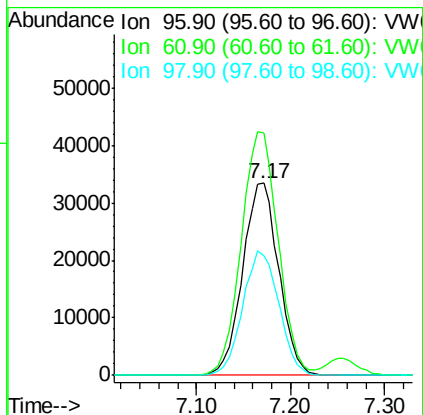
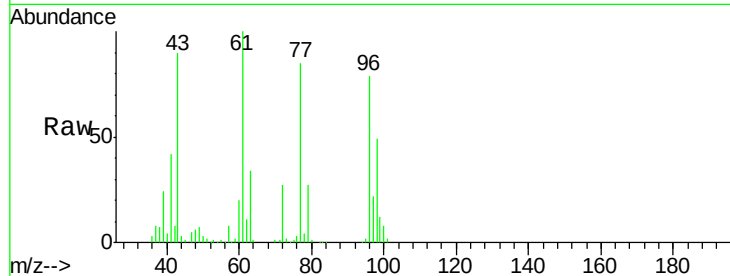


#27

cis-1,2-Dichloroethene
Concen: 55.021 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

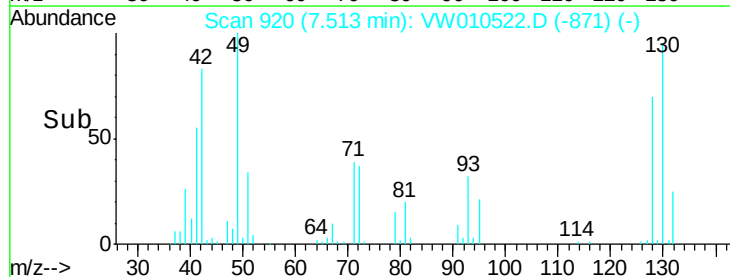
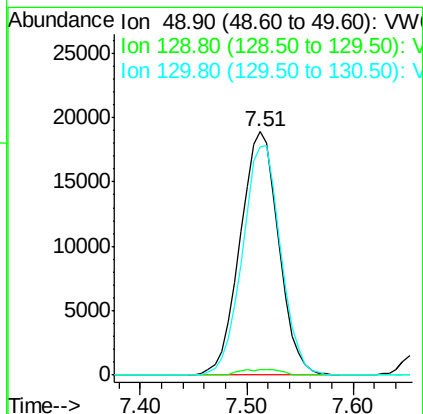
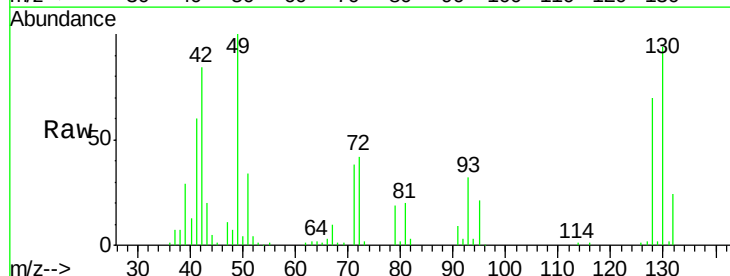
Tot Ion: 96 Resp: 89889
Ion Ratio Lower Upper
96 100
61 129.6 0.0 265.4
98 64.8 0.0 129.4

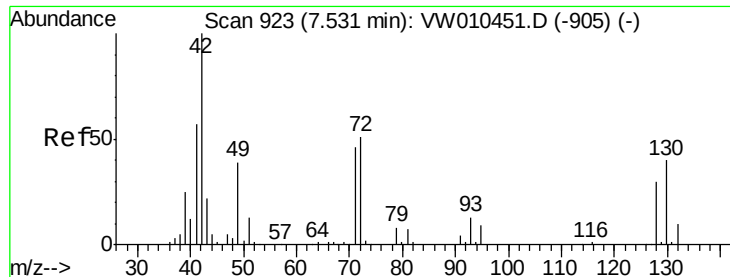


#28

Bromochloromethane
Concen: 57.883 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 49 Resp: 48089
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 93.4 71.2 106.8

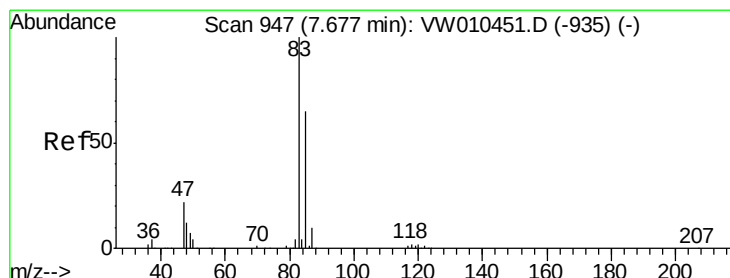
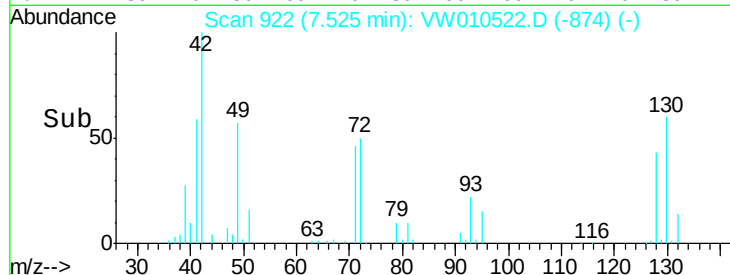
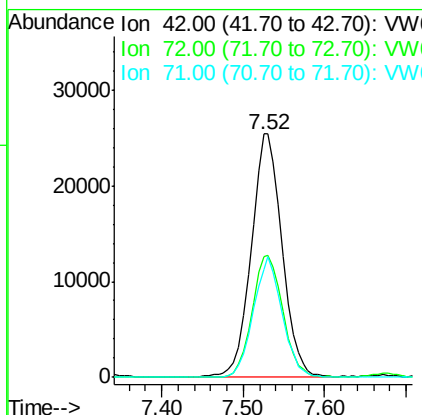
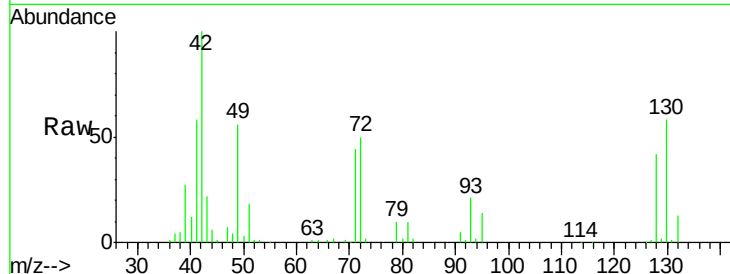




#29
Tetrahydrofuran
Concen: 265.241 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

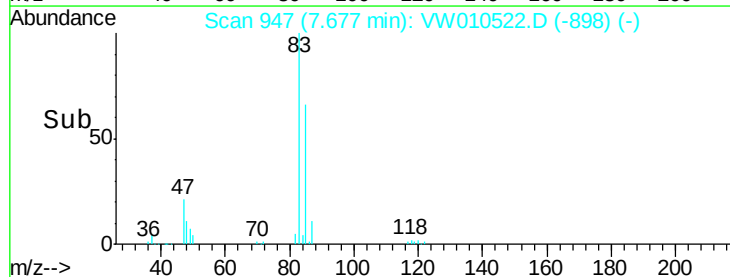
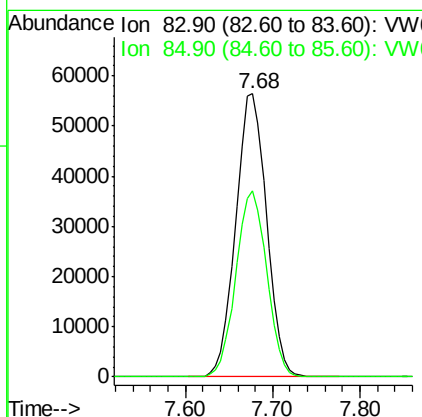
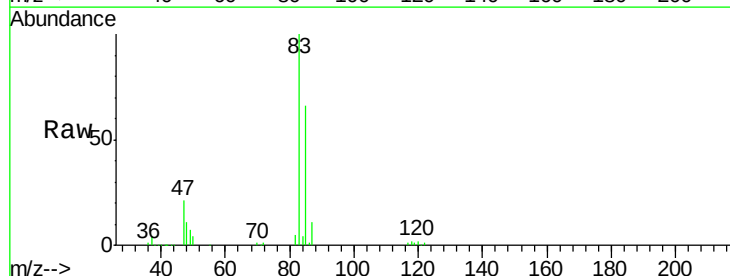
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

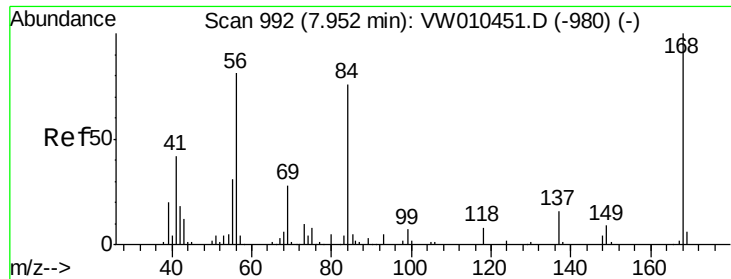
Tot Ion: 42 Resp: 67122
Ion Ratio Lower Upper
42 100
72 49.7 38.5 57.7
71 46.1 36.5 54.7



#30
Chloroform
Concen: 55.322 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 83 Resp: 138466
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.4

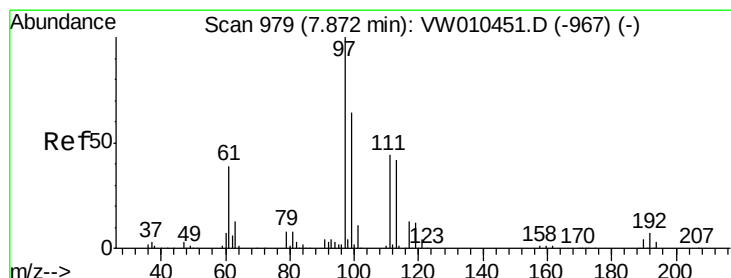
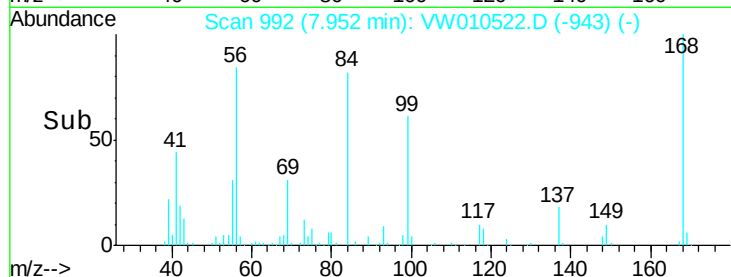
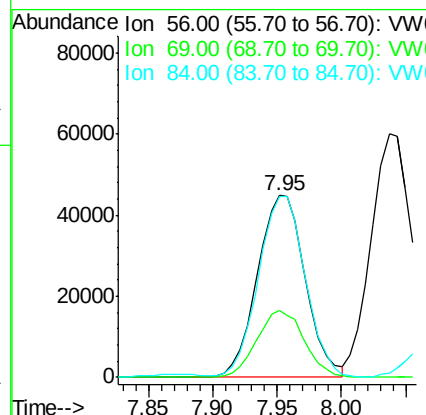
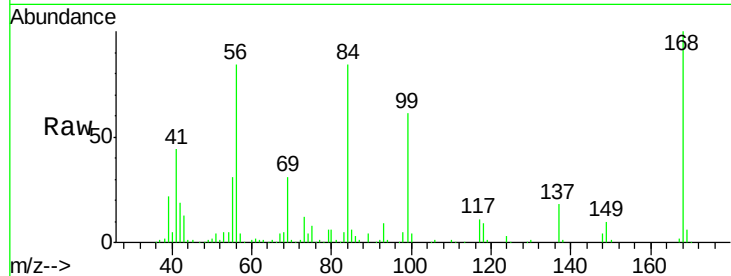




#31
Cyclohexane
Concen: 47.518 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

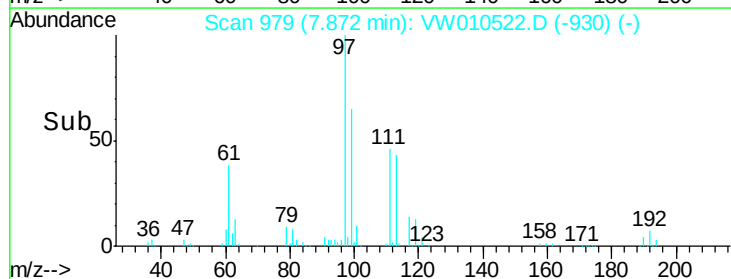
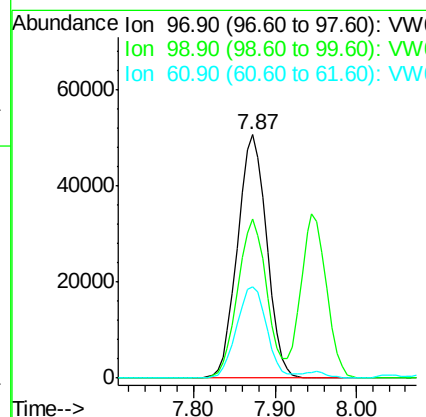
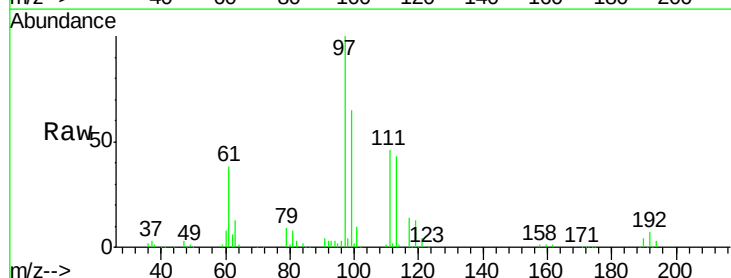
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

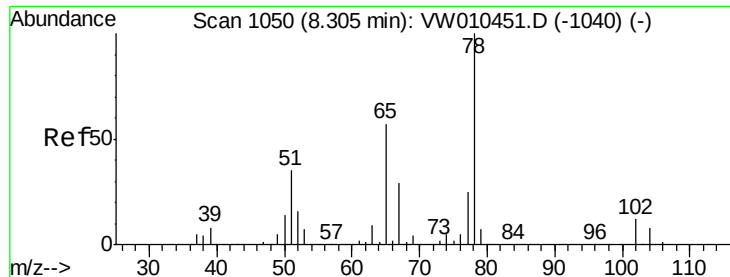
Tot Ion: 56 Resp: 115501
Ion Ratio Lower Upper
56 100
69 37.0 28.2 42.2
84 98.2 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 52.357 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 97 Resp: 125251
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 38.5 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 54.381 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

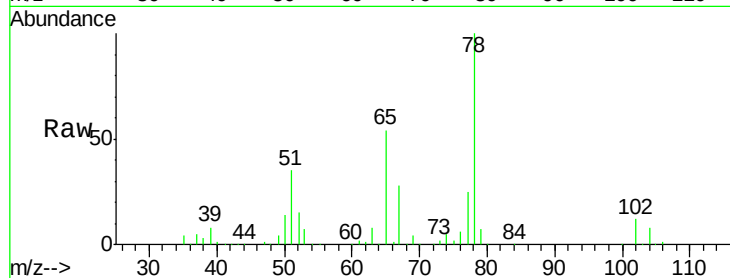
VSTDCCC050EC

Tot Ion: 65 Resp: 69620

Ion Ratio Lower Upper

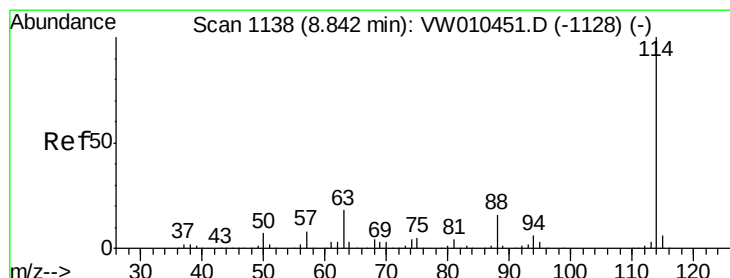
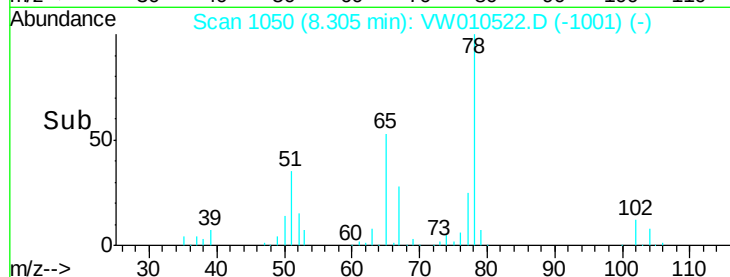
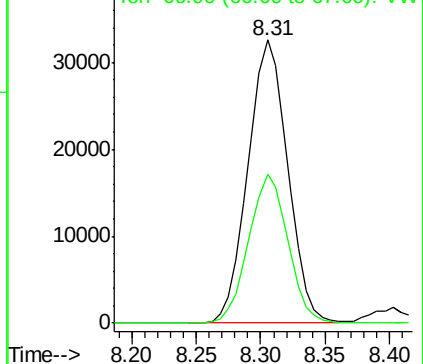
65 100

67 51.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

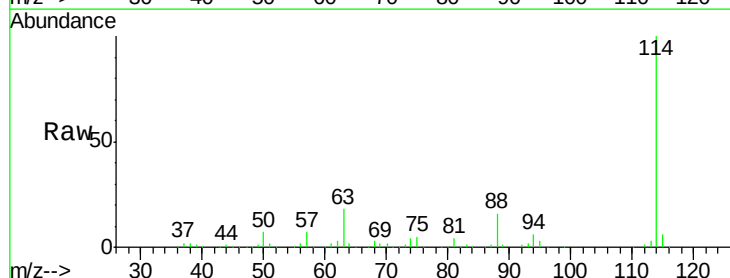
Tgt Ion: 114 Resp: 221911

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

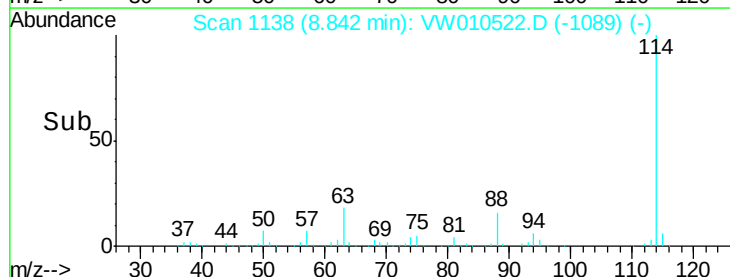
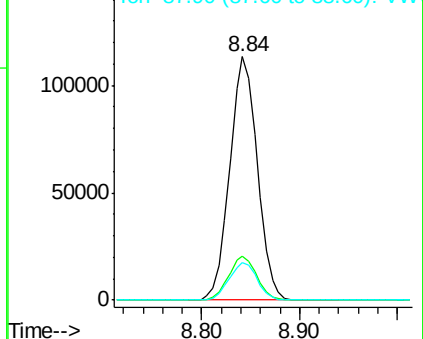
88 15.6 0.0 32.0

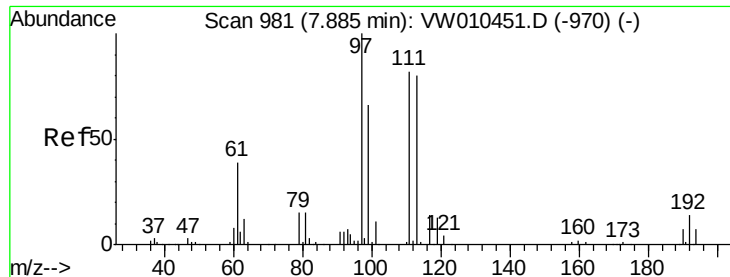


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

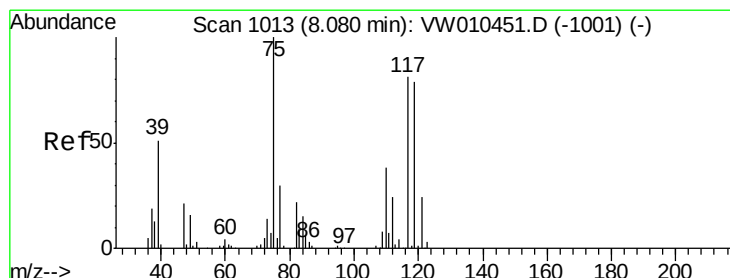
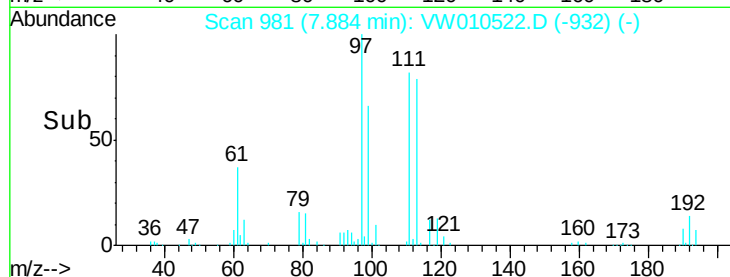
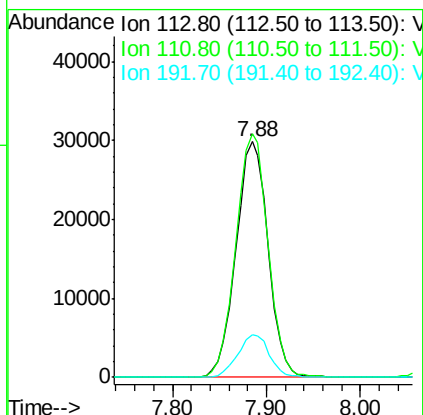
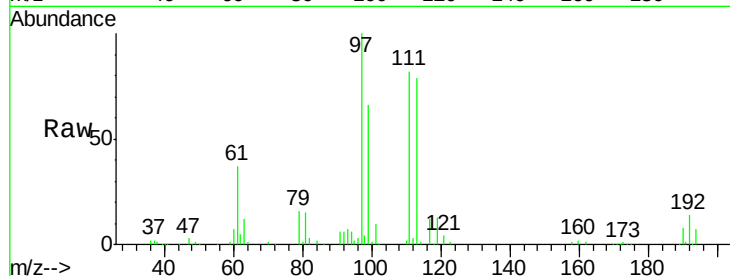




#35
 Dibromofluoromethane
 Concen: 52.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

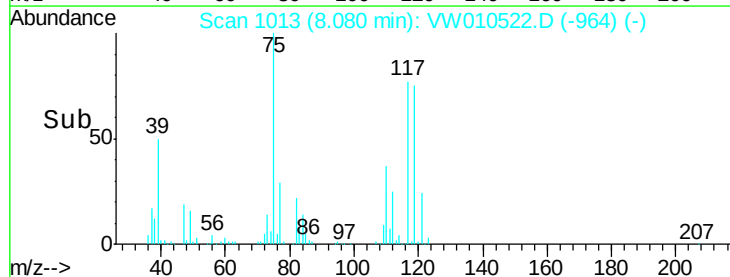
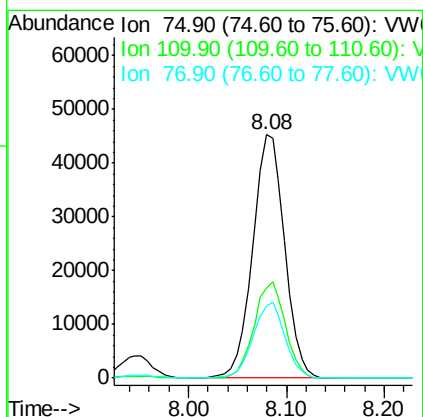
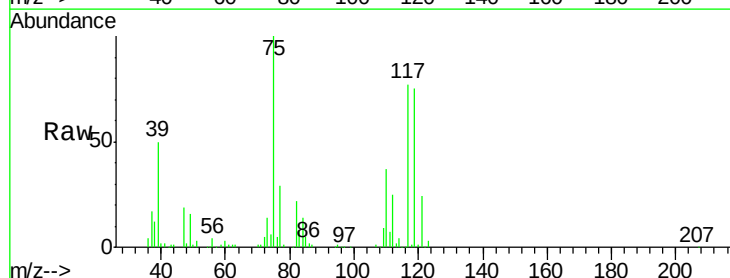
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

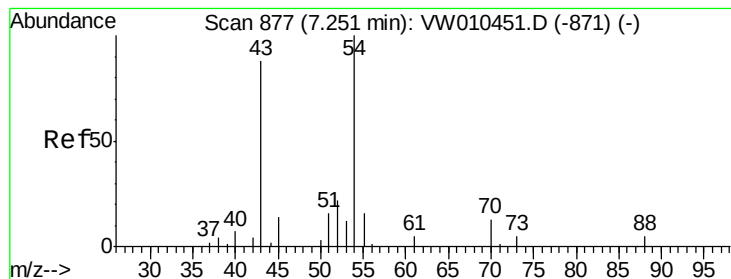
Tot Ion:113 Resp: 71053
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 17.8 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 49.946 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 75 Resp: 103248
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.2 57.6
 77 31.1 25.2 37.8





#37

Ethyl Acetate

Concen: 52.916 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

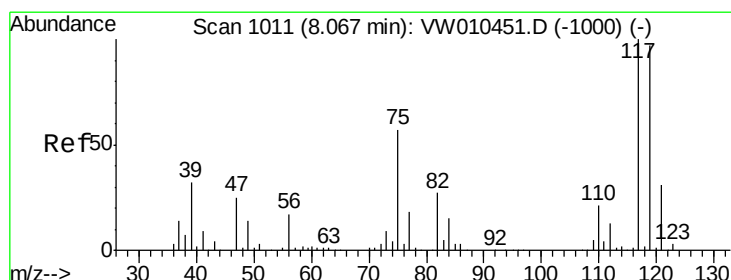
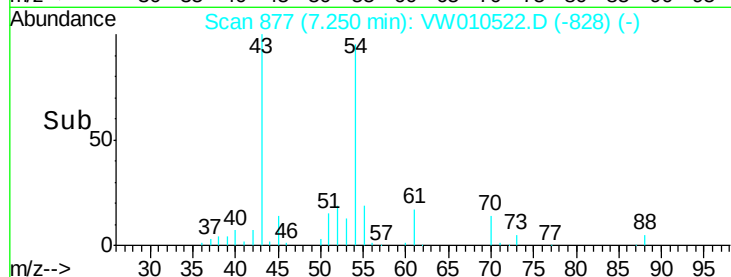
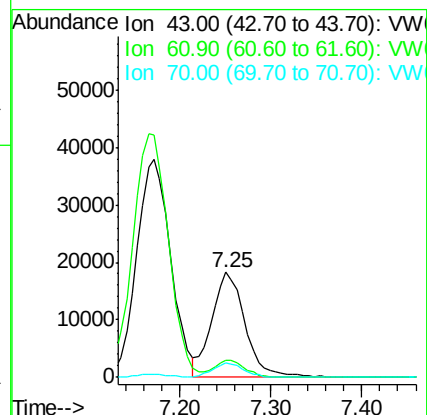
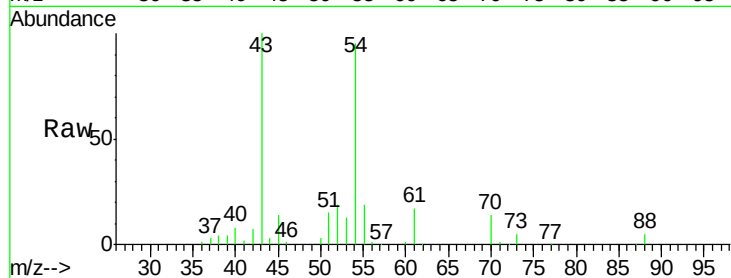
Tot Ion: 43 Resp: 46517

Ion Ratio Lower Upper

43 100

61 14.8 11.2 16.8

70 13.1 9.9 14.9



#38

Carbon Tetrachloride

Concen: 50.138 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

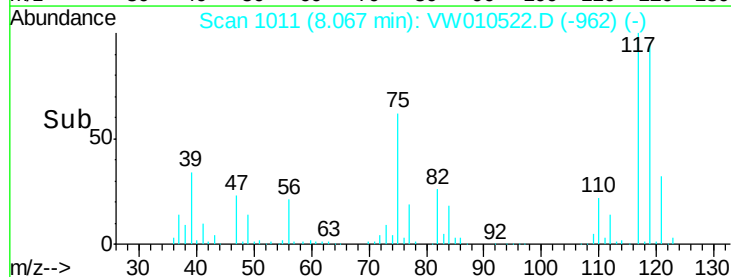
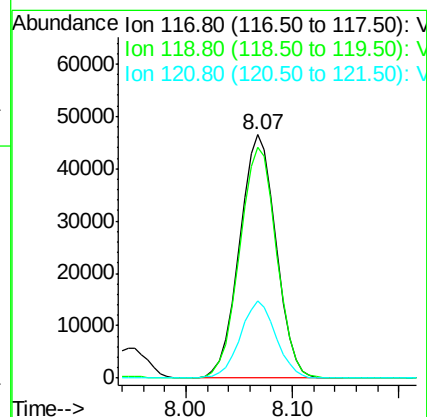
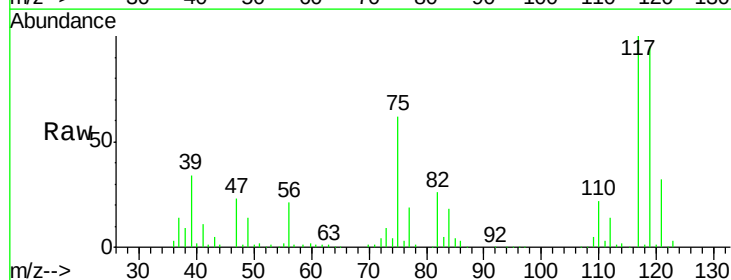
Tgt Ion: 117 Resp: 111808

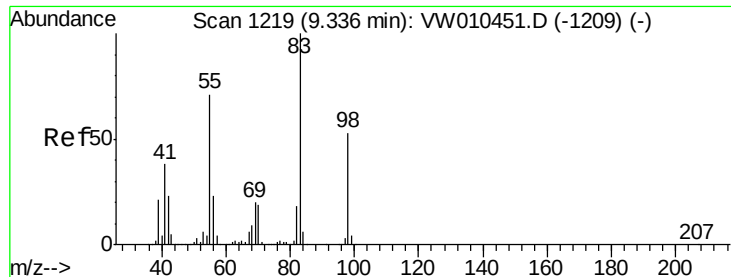
Ion Ratio Lower Upper

117 100

119 94.8 77.4 116.0

121 31.7 25.0 37.6

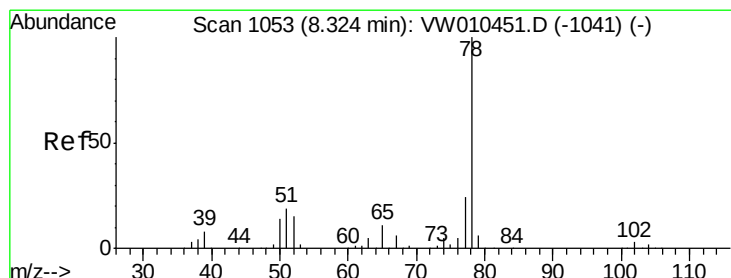
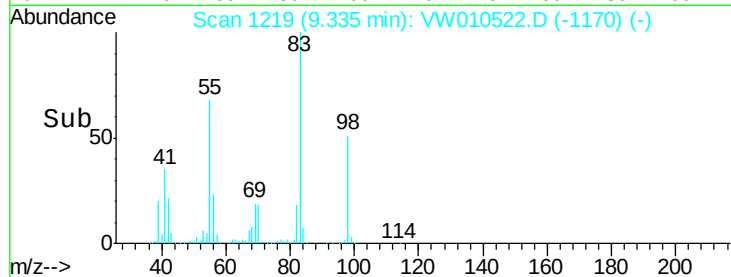
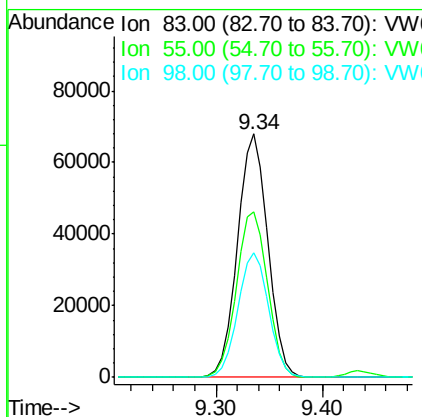
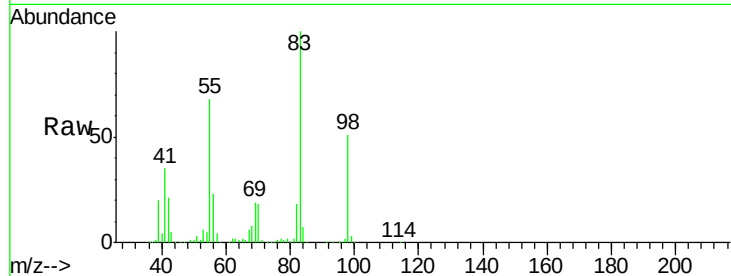




#39
Methylvlcyclohexane
Concen: 49.123 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

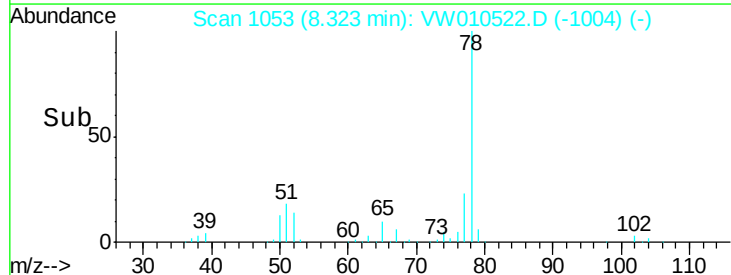
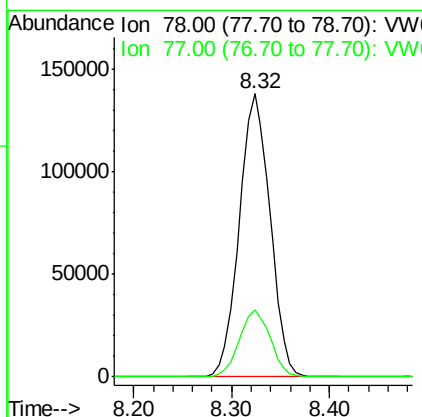
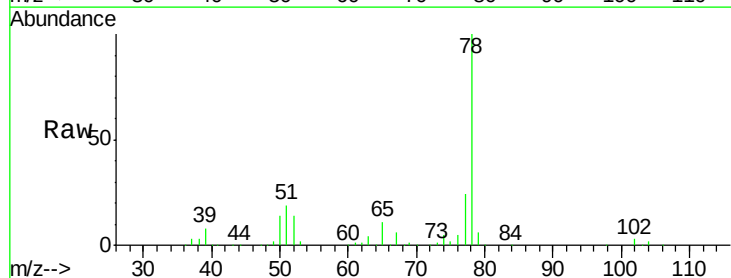
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

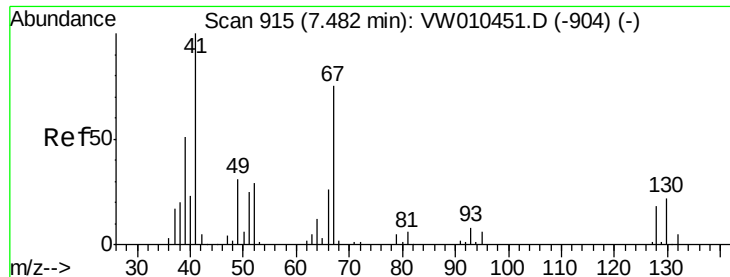
Tot Ion: 83 Resp: 136050
Ion Ratio Lower Upper
83 100
55 68.2 57.0 85.6
98 51.3 42.0 63.0



#40
Benzene
Concen: 52.503 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 78 Resp: 301667
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

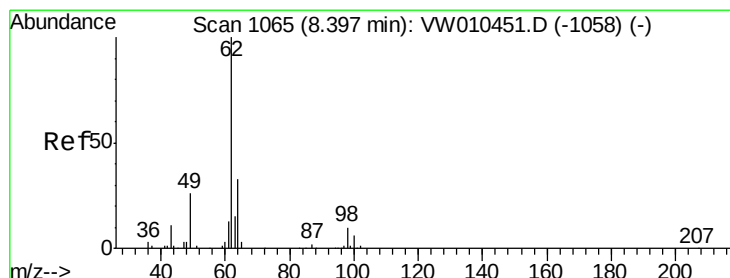
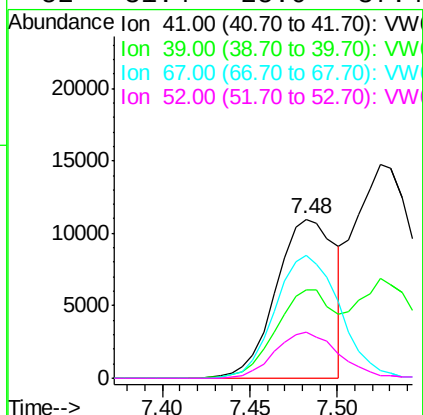
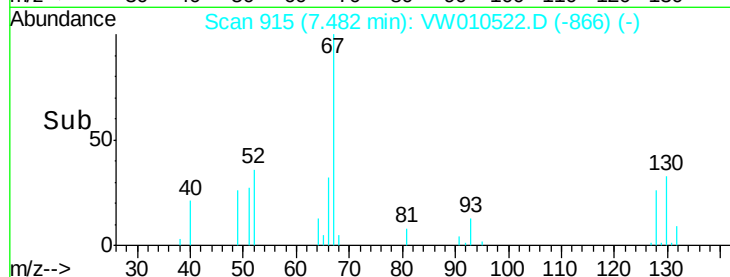
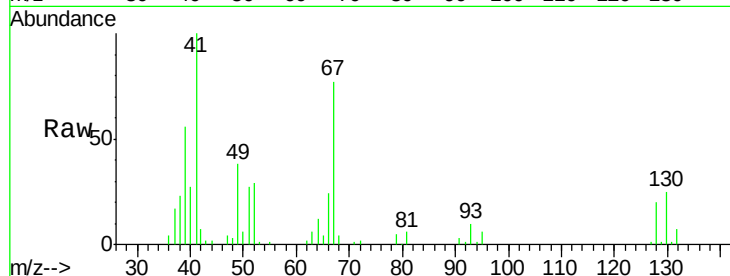




#41
Methacrylonitrile
Concen: 49.875 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

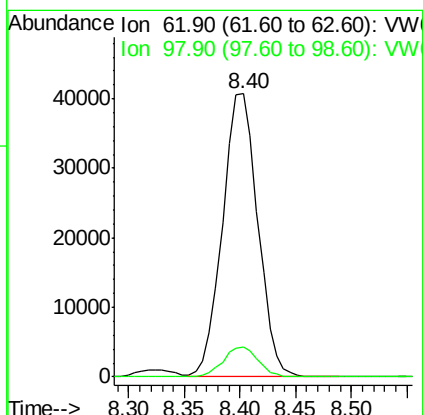
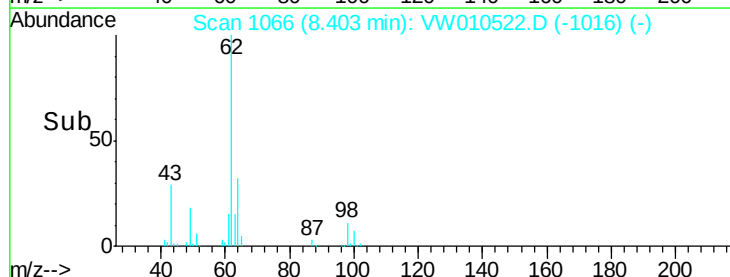
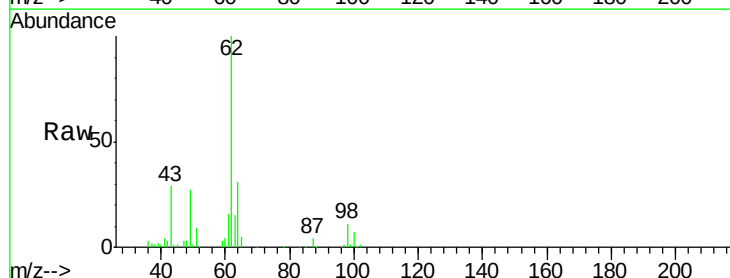
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

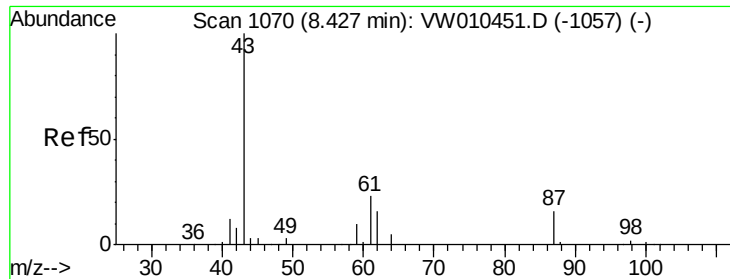
Tot Ion:	41	Resp:	26051
Ion	Ratio	Lower	Upper
41	100		
39	54.5	47.4	71.2
67	84.3	65.5	98.3
52	31.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 54.562 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion:	62	Resp:	89600
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.803 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

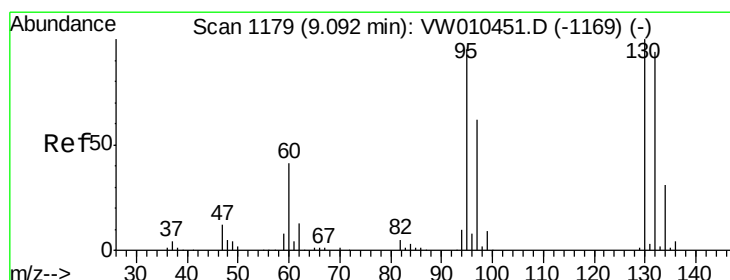
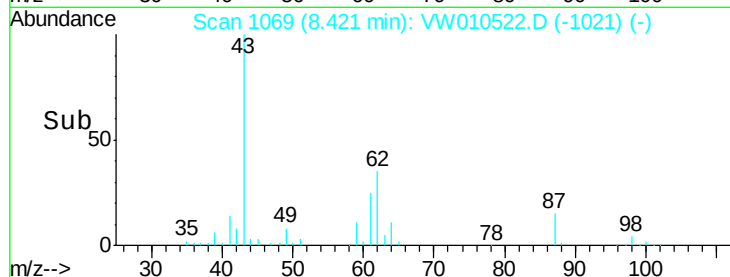
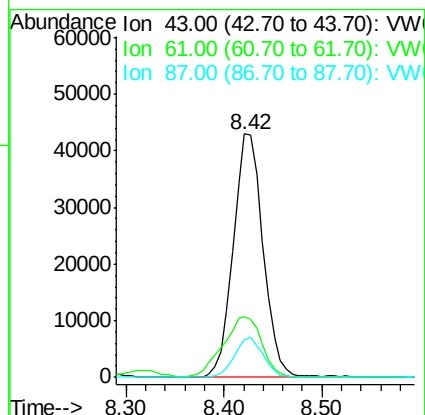
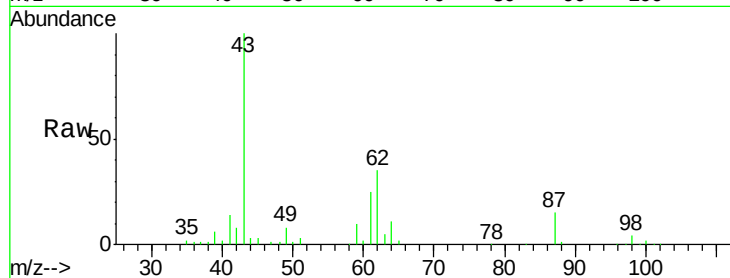
Tot Ion: 43 Resp: 90977

Ion Ratio Lower Upper

43 100

61 32.3 25.4 38.2

87 15.6 12.7 19.1



#44

Trichloroethene

Concen: 52.799 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010522.D

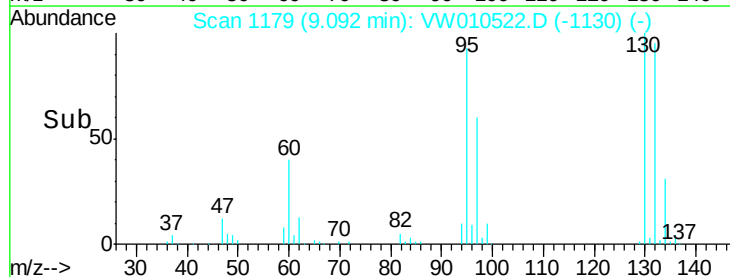
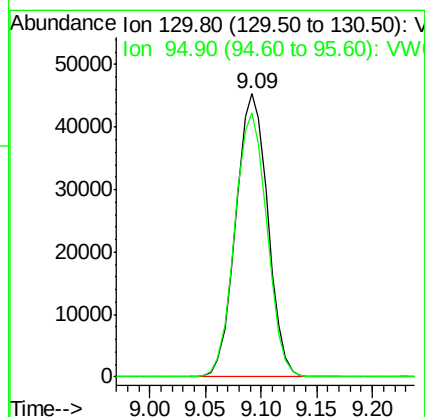
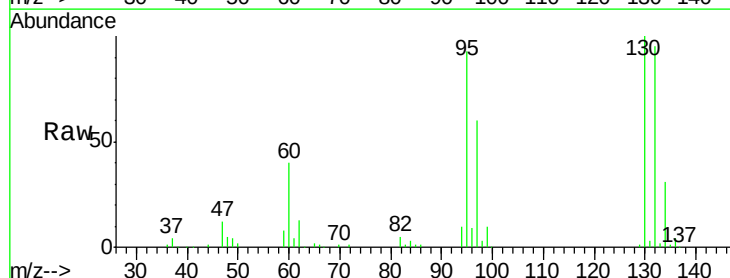
Acq: 22 May 2019 21:01

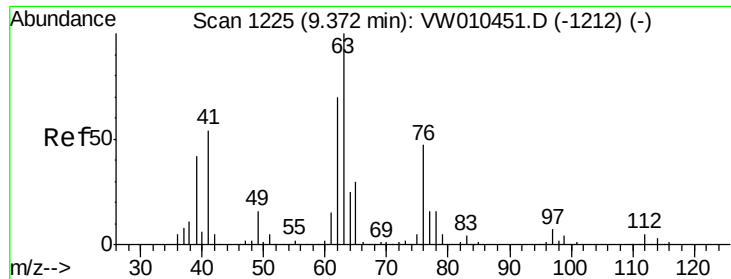
Tgt Ion:130 Resp: 90063

Ion Ratio Lower Upper

130 100

95 93.5 0.0 189.6

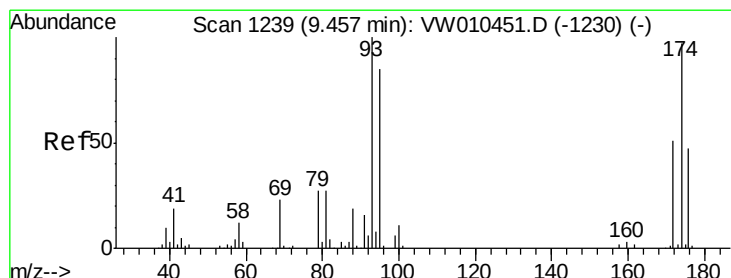
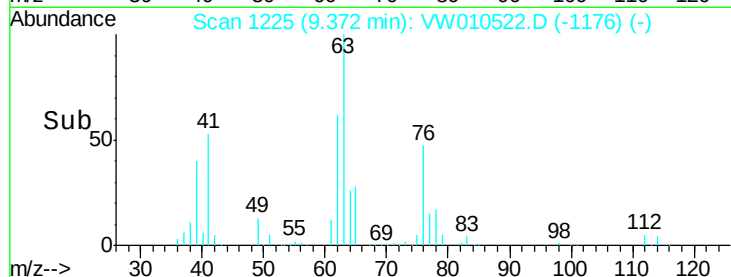
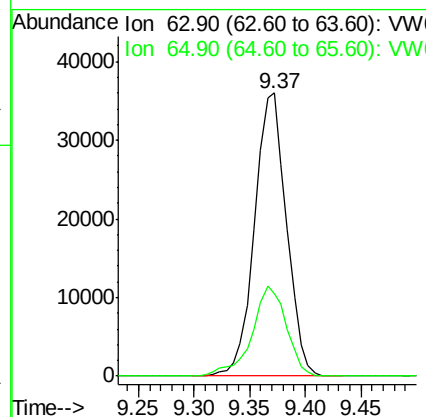
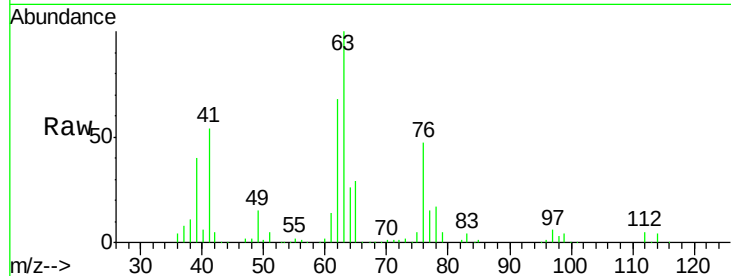




#45
 1,2-Dichloropropane
 Concen: 52.693 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

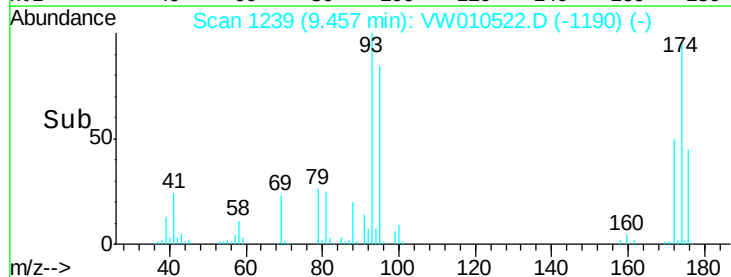
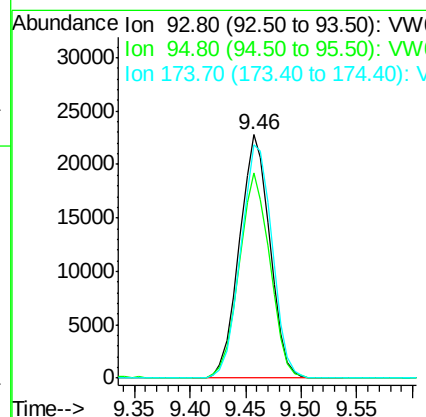
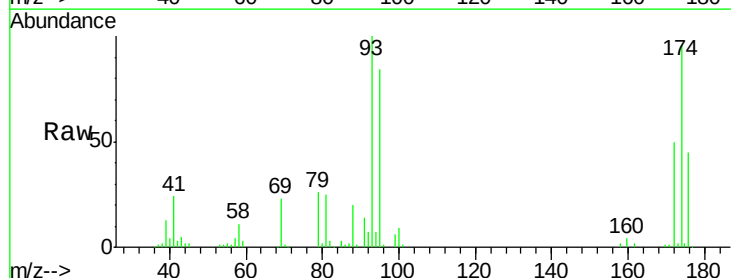
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

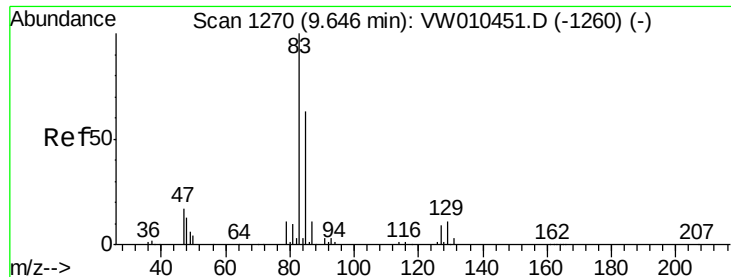
Tot Ion: 63 Resp: 71904
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.3 36.5



#46
 Dibromomethane
 Concen: 54.130 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 93 Resp: 43198
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.1 99.1
 174 99.0 77.1 115.7

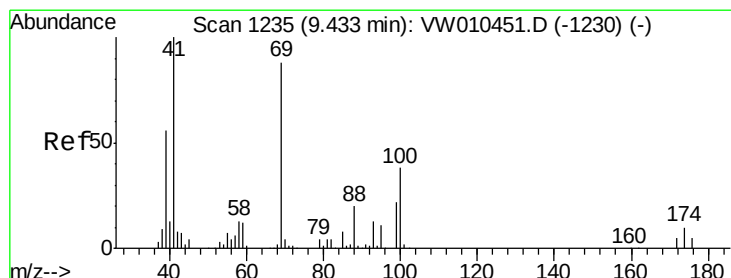
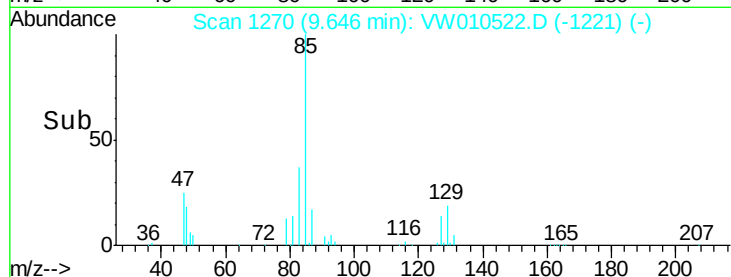
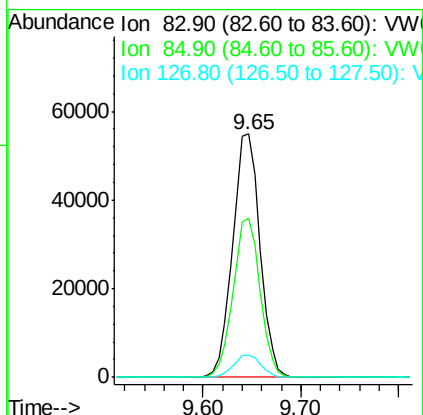
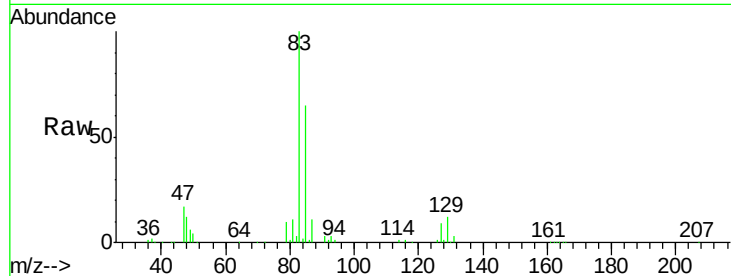




#47
Bromodichloromethane
Concen: 53.071 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

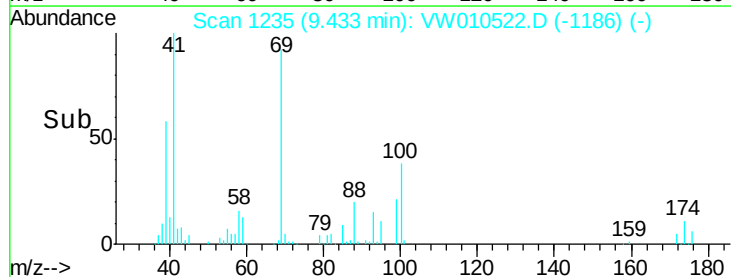
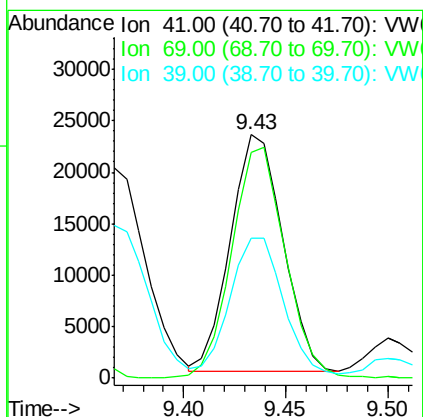
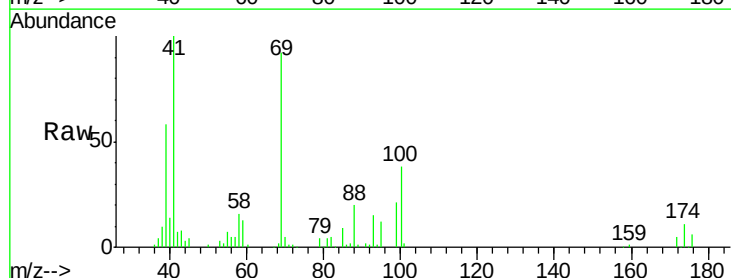
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

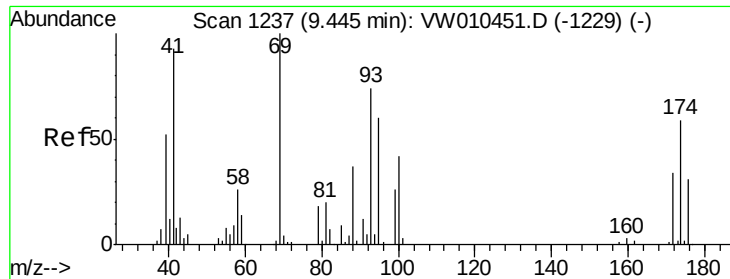
Tot Ion: 83 Resp: 106431
Ion Ratio Lower Upper
83 100
85 65.2 50.4 75.6
127 9.2 7.4 11.0



#48
Methyl methacrylate
Concen: 51.147 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 41 Resp: 41094
Ion Ratio Lower Upper
41 100
69 100.0 77.6 116.4
39 62.1 49.8 74.8

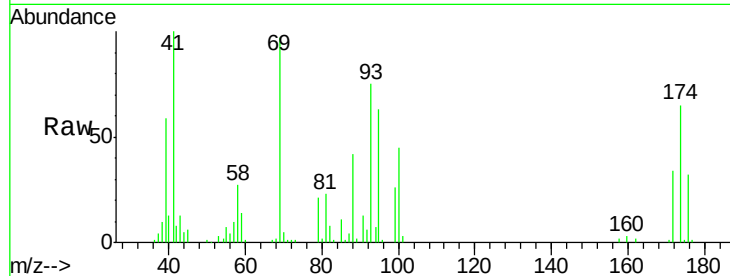




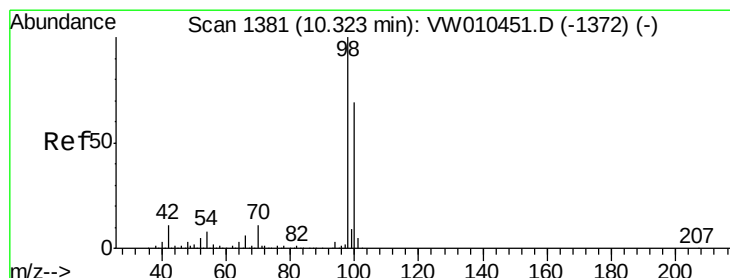
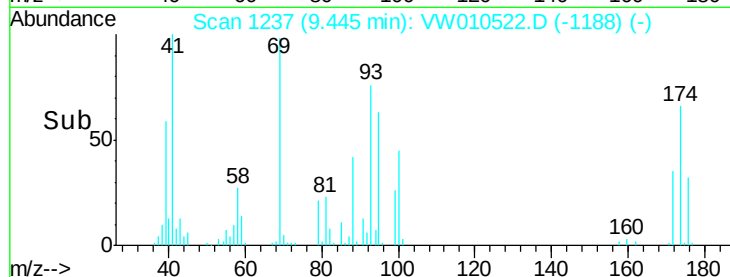
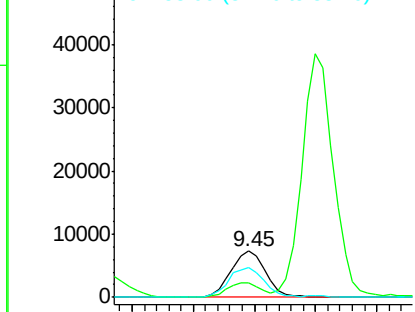
#49
1,4-Dioxane
Concen: 1108.502 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 14451
Ion Ratio Lower Upper
88 100
43 30.1 25.9 38.9
58 65.2 52.7 79.1

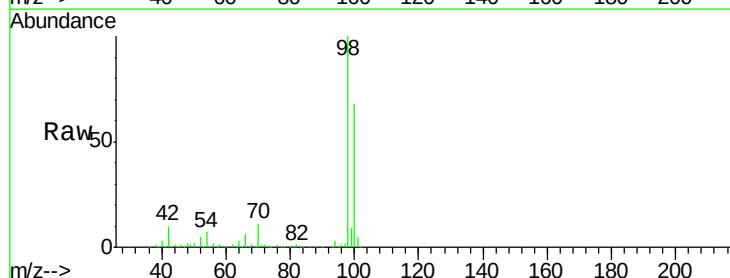


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

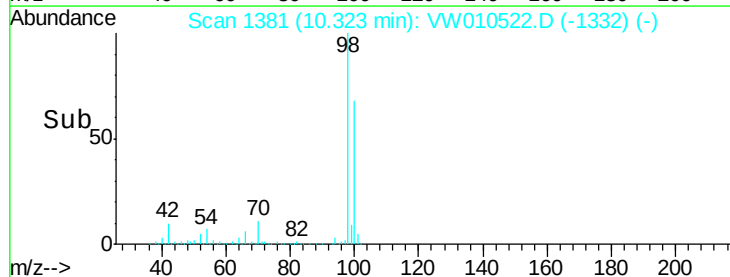
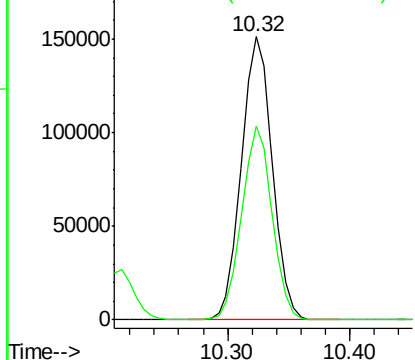


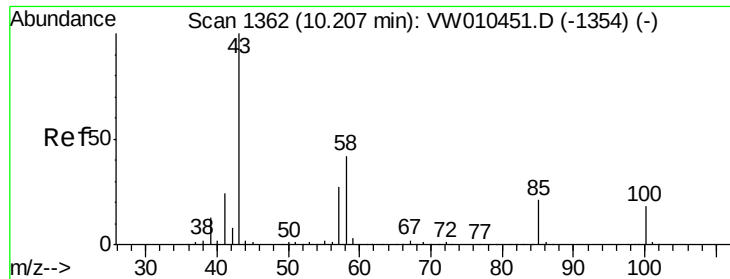
#50
Toluene-d8
Concen: 51.493 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 98 Resp: 264879
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



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: 258.546 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

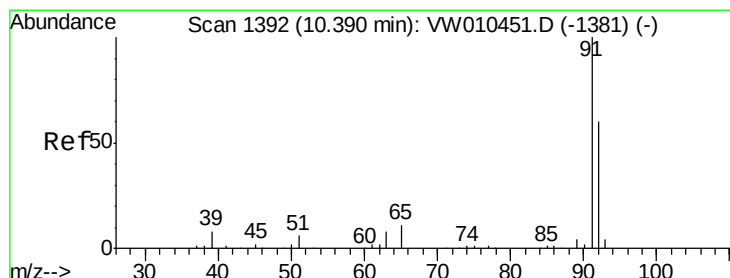
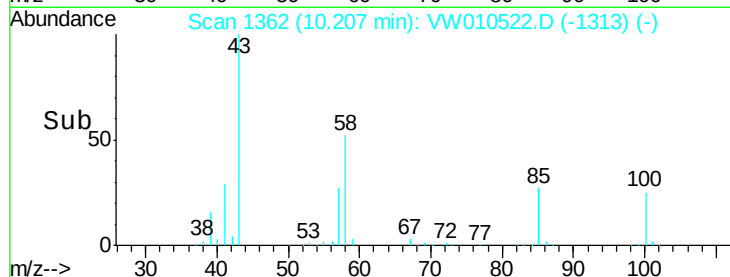
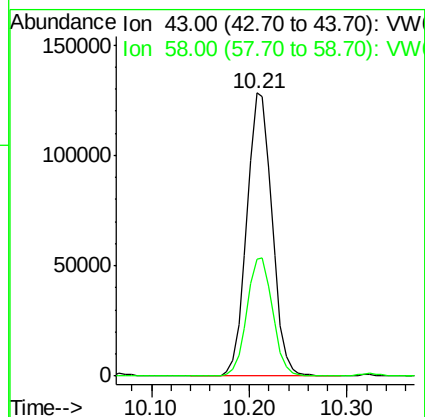
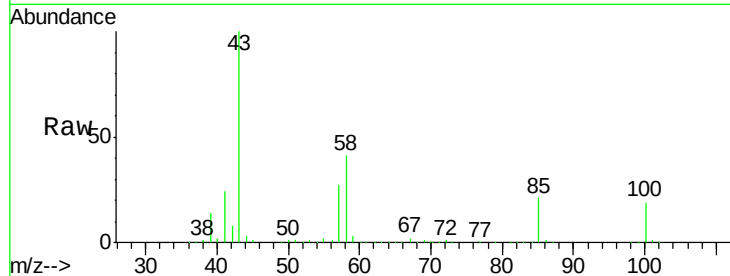
VSTDCCC050EC

Tot Ion: 43 Resp: 230082

Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8



#52

Toluene

Concen: 52.645 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010522.D

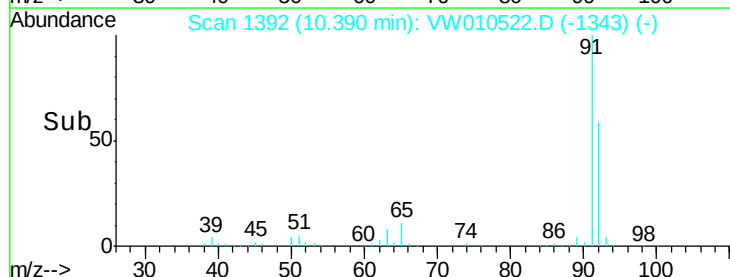
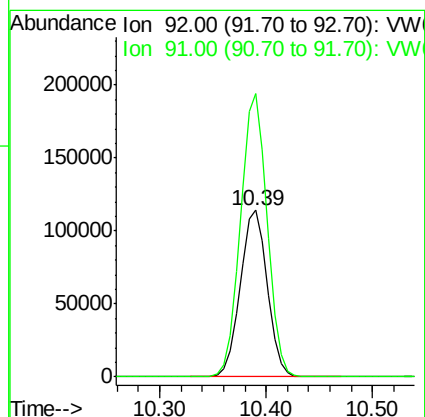
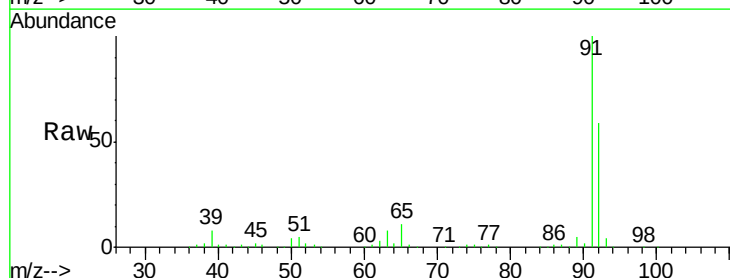
Acq: 22 May 2019 21:01

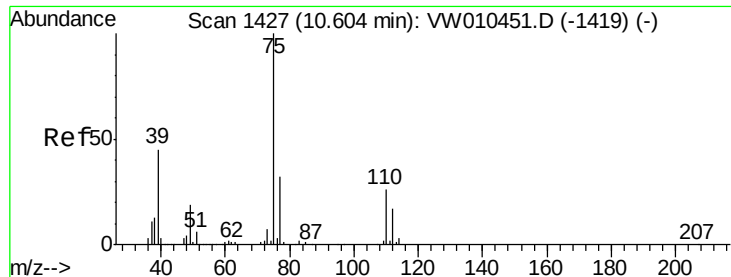
Tgt Ion: 92 Resp: 203140

Ion Ratio Lower Upper

92 100

91 167.7 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 51.846 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

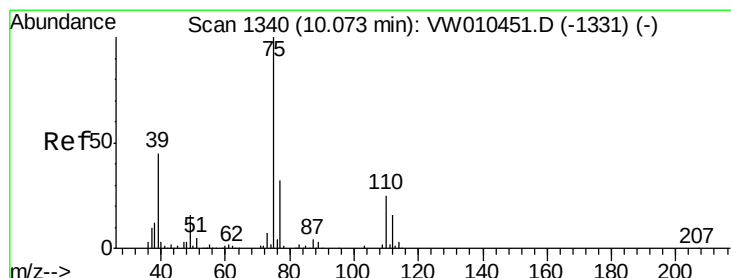
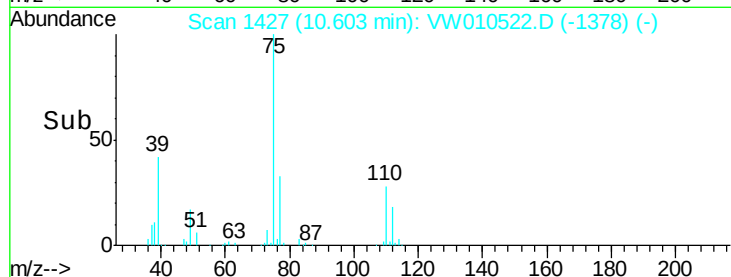
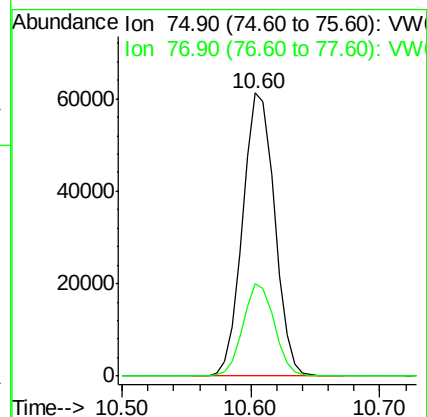
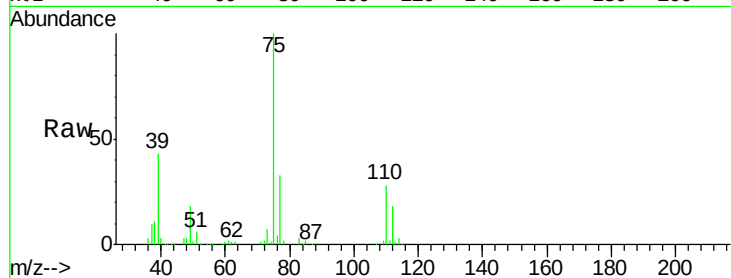
VSTDCCC050EC

Tot Ion: 75 Resp: 105303

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 53.145 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

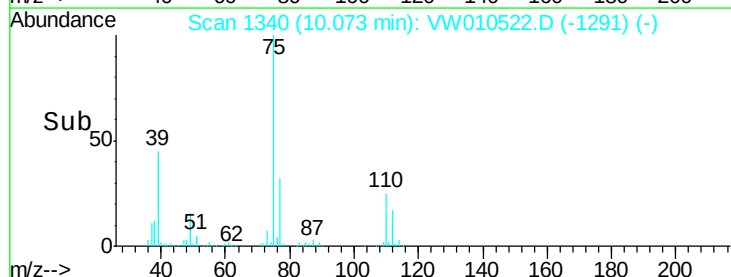
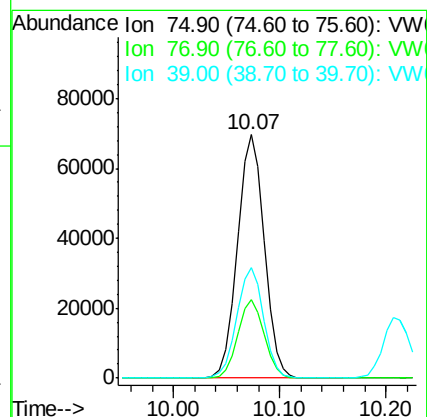
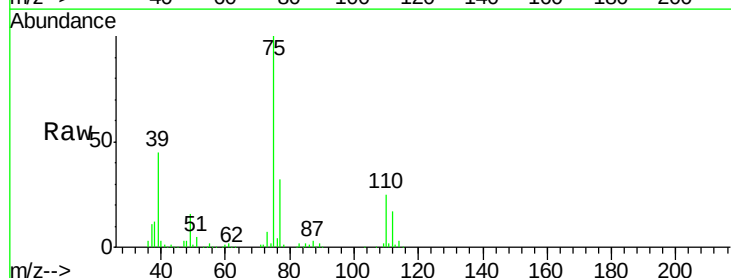
Tgt Ion: 75 Resp: 123275

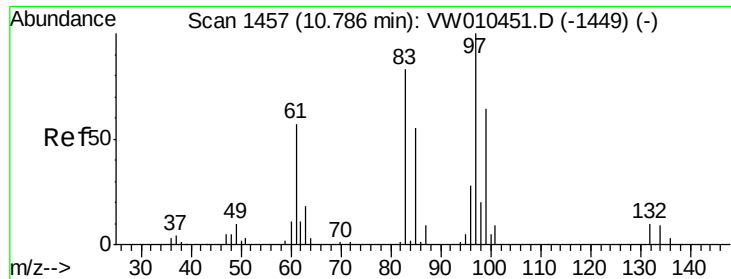
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 45.1 36.2 54.4

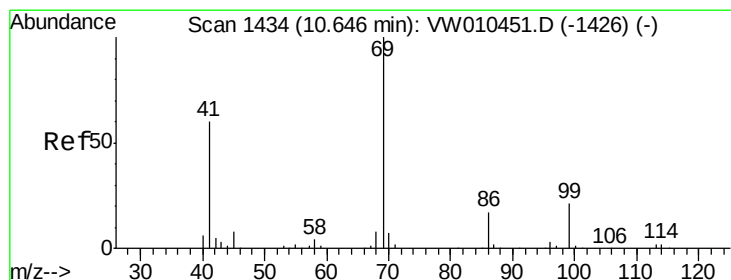
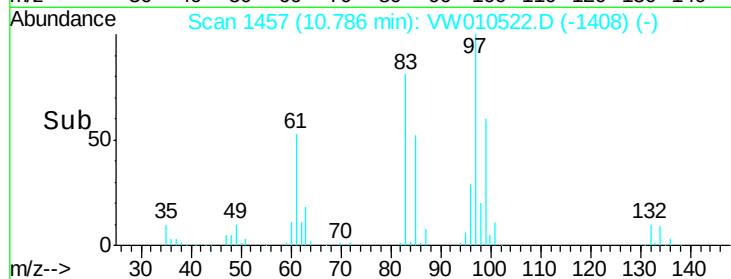
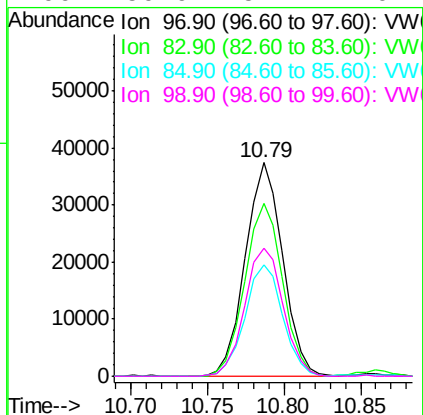
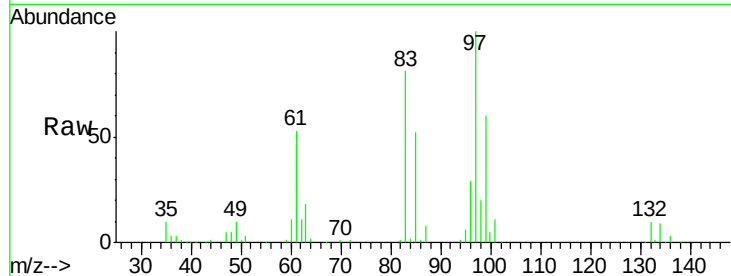




#55
 1,1,2-Trichloroethane
 Concen: 55.340 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

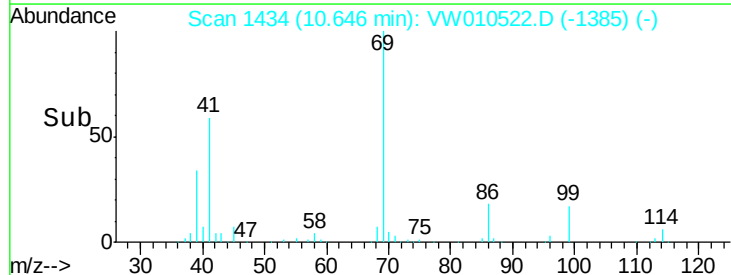
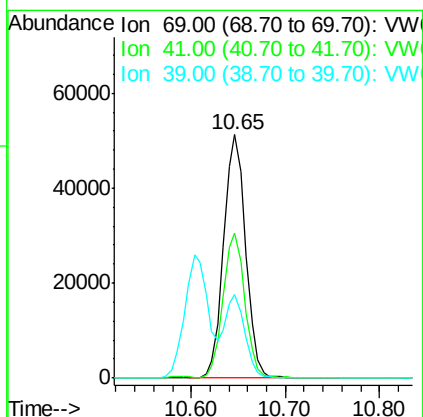
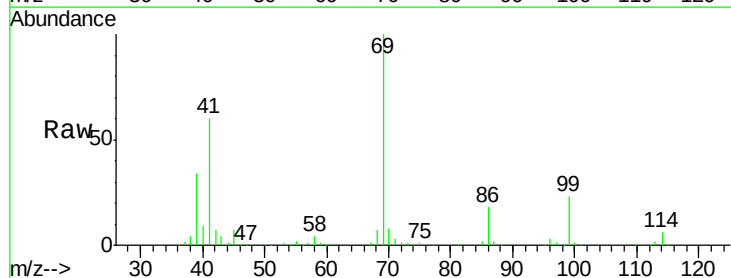
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

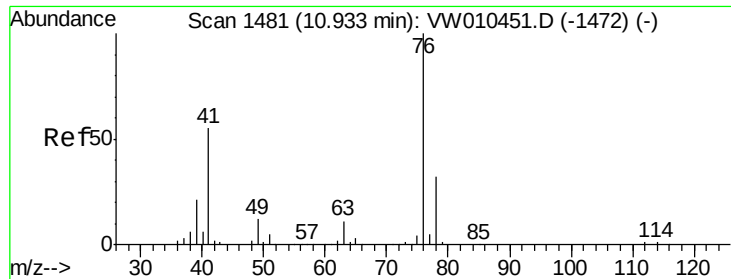
Tot Ion:	97	Resp:	63508
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.1	99.1
85	52.0	44.2	66.4
99	59.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 52.513 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion:	69	Resp:	83113
Ion	Ratio	Lower	Upper
69	100		
41	58.6	47.7	71.5
39	31.3	25.3	37.9

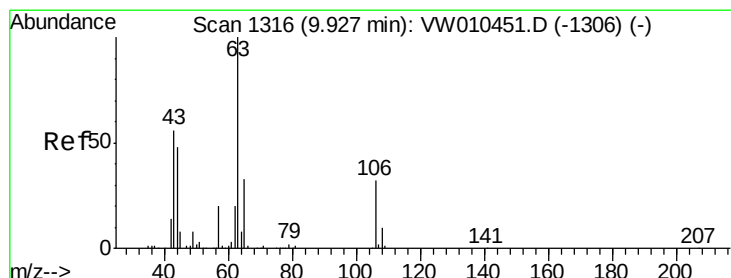
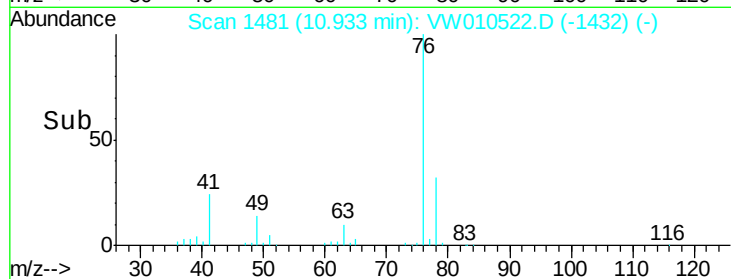
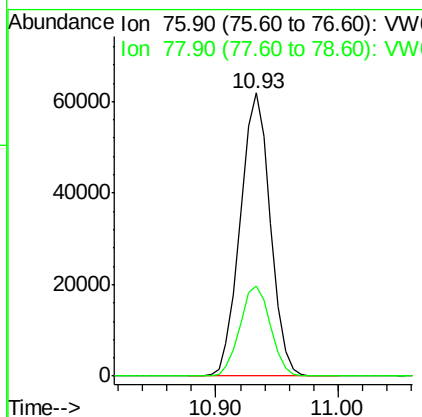
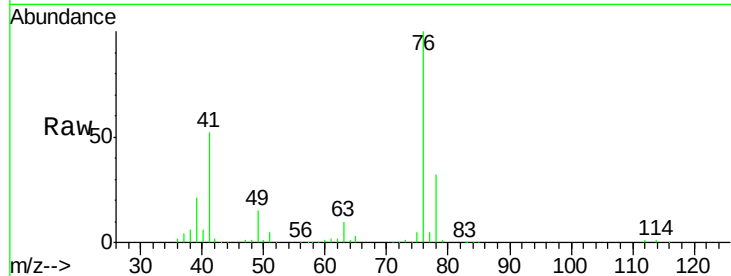




#57
 1,3-Dichloropropane
 Concen: 54.865 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

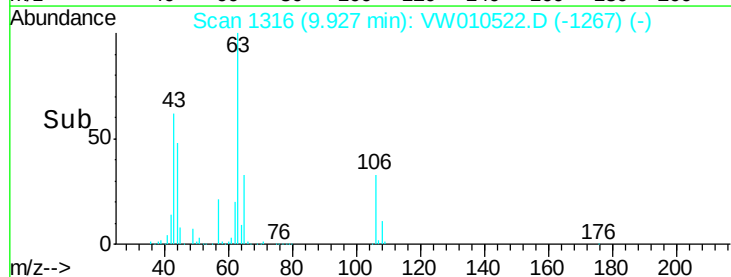
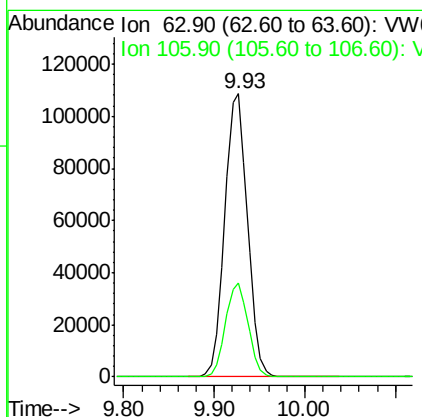
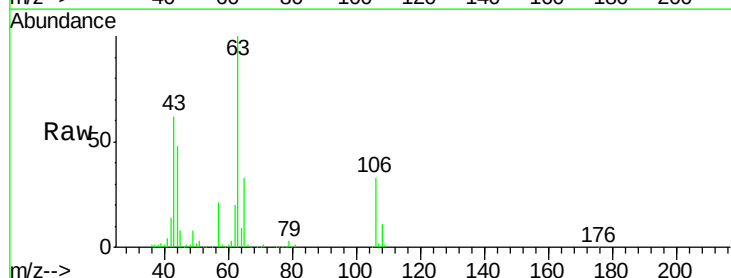
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

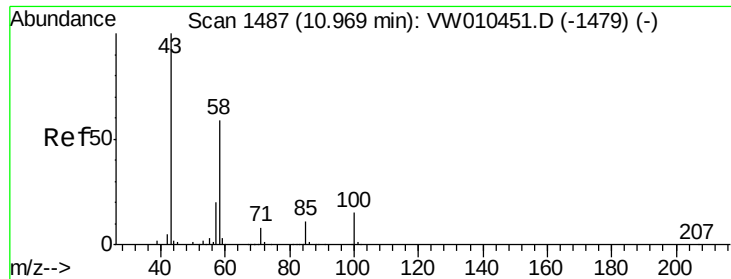
Tot Ion: 76 Resp: 105467
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.396 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 63 Resp: 189557
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.8 38.6

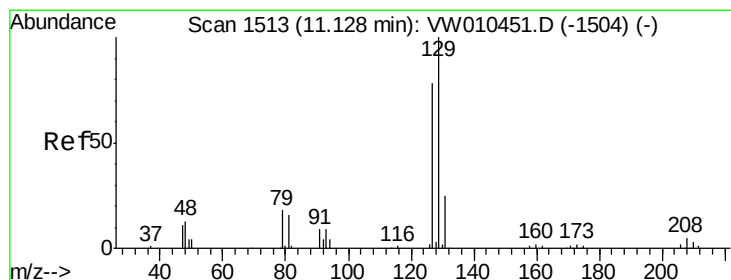
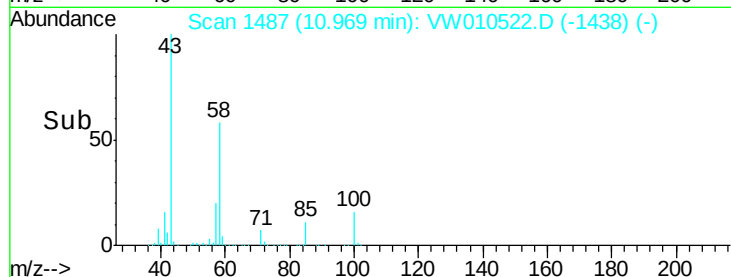
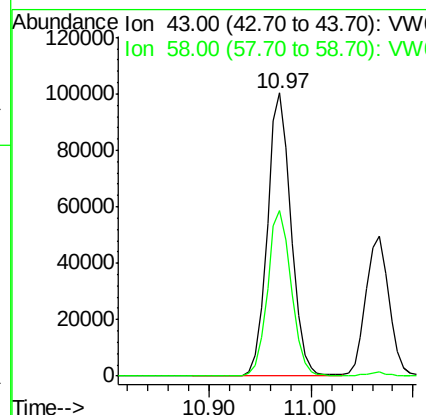
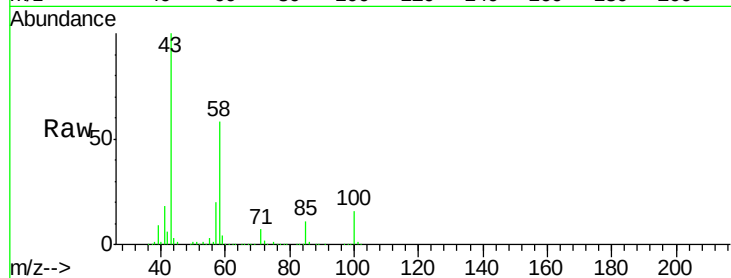




#59
2-Hexanone
Concen: 254.522 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

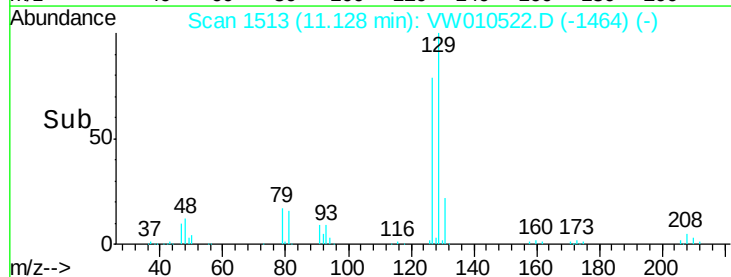
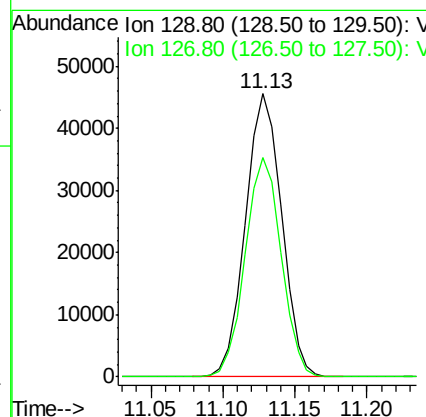
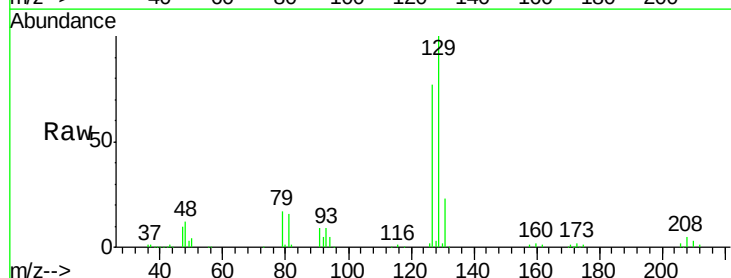
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

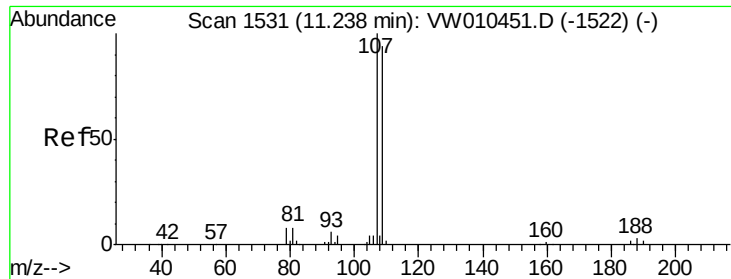
Tot Ion: 43 Resp: 161574
Ion Ratio Lower Upper
43 100
58 58.8 28.9 86.8



#60
Dibromochloromethane
Concen: 54.647 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 129 Resp: 79369
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

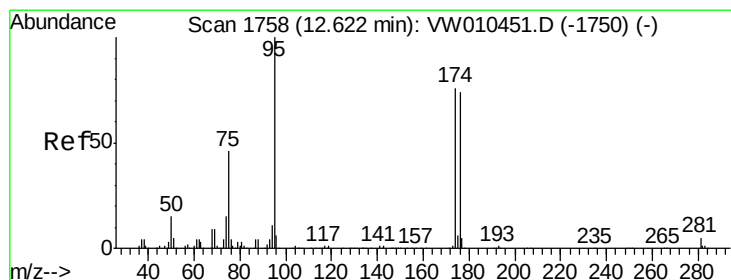
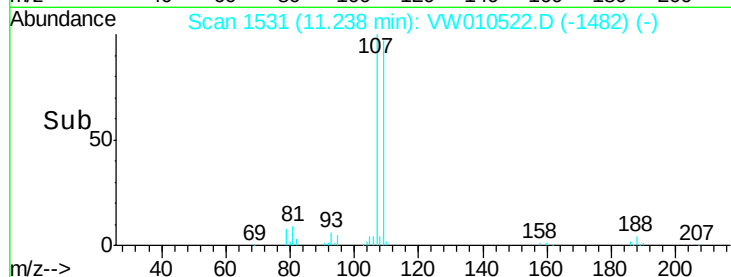
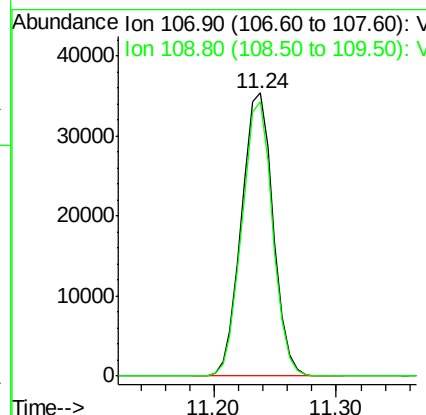
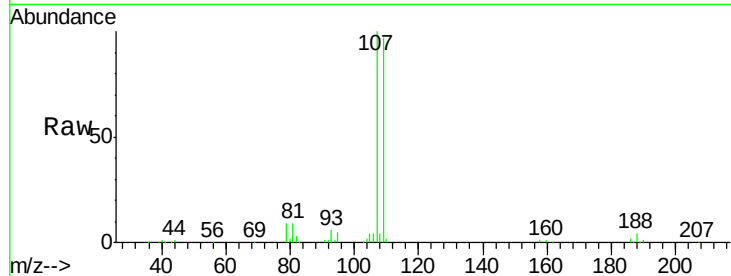




#61
 1,2-Dibromoethane
 Concen: 54.532 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

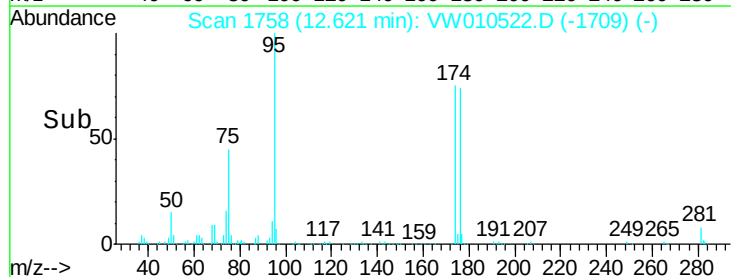
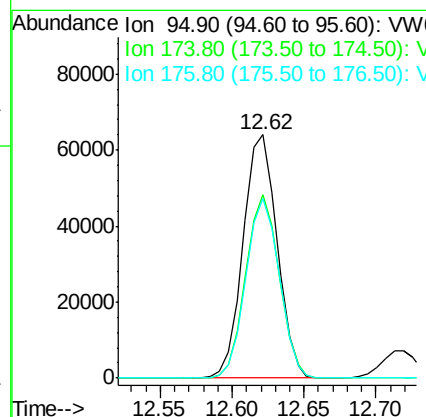
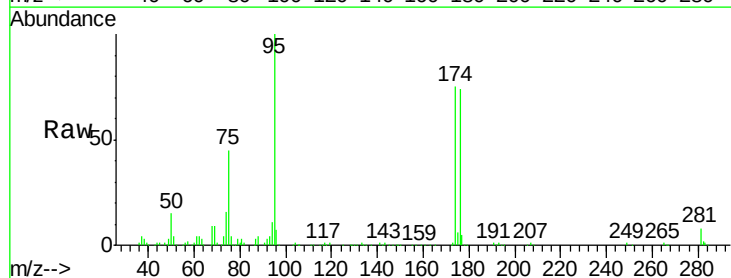
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

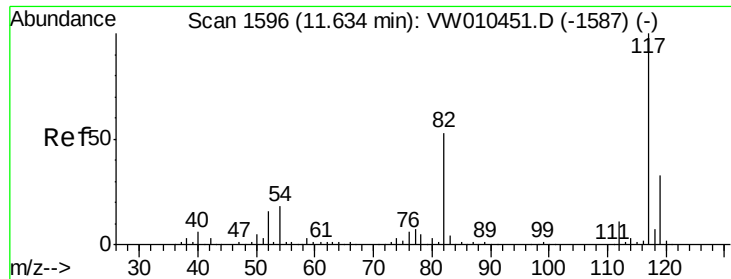
Tot Ion:107 Resp: 63393
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.106 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 95 Resp: 104712
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 148.6
 176 72.7 0.0 144.2

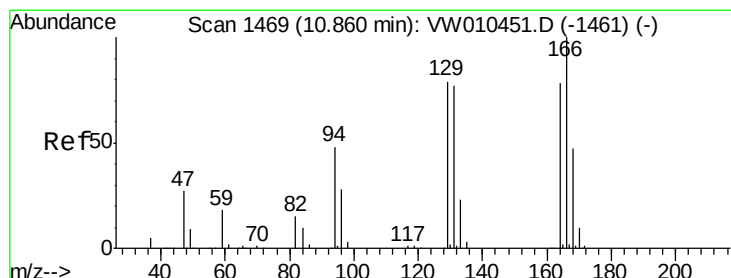
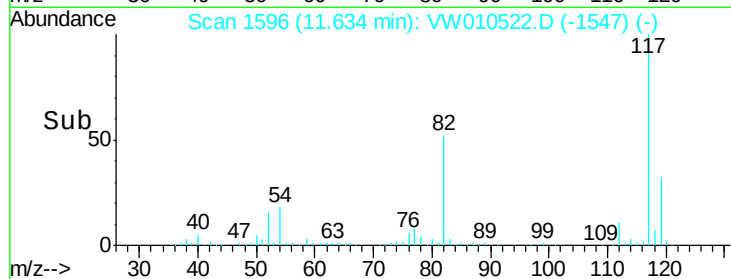
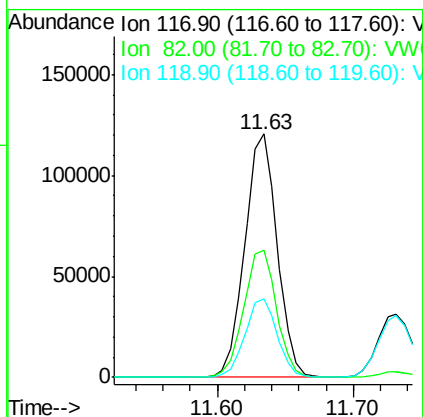
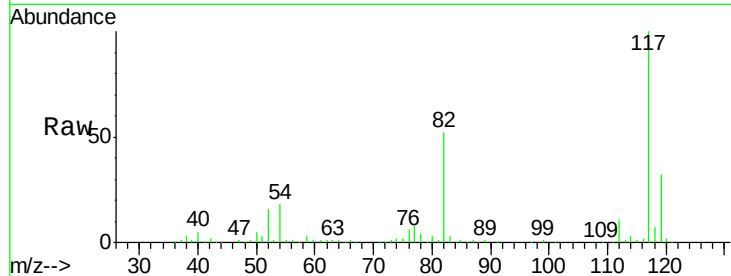




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

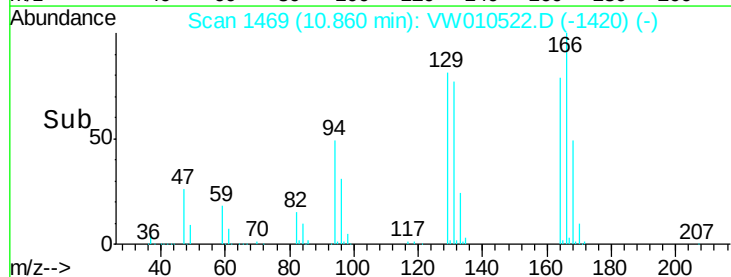
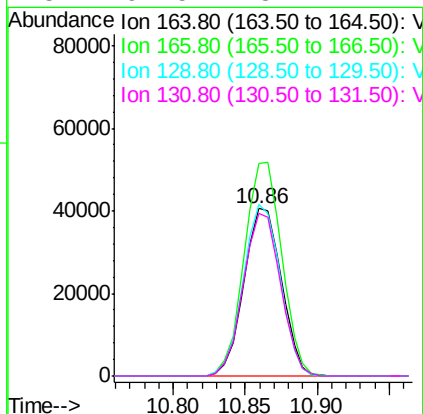
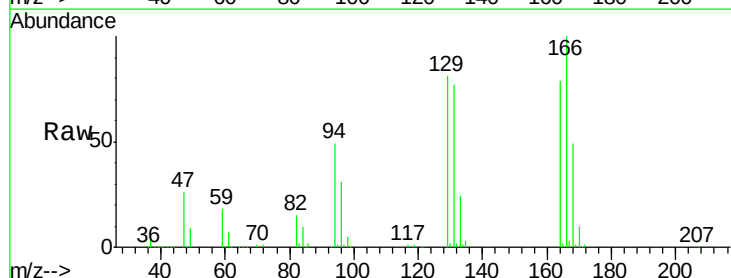
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

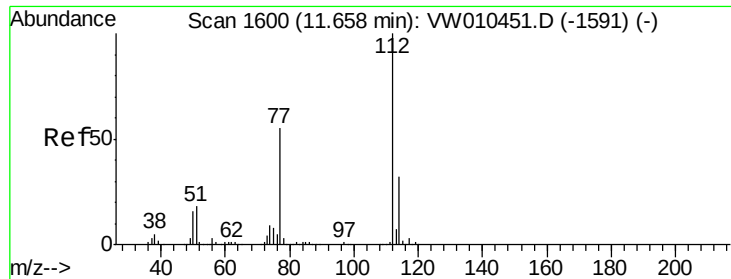
Tot Ion:117 Resp: 200695
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 52.238 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion:164 Resp: 73082
Ion Ratio Lower Upper
164 100
166 126.9 101.9 152.9
129 102.7 80.6 121.0
131 97.5 78.2 117.2





#65

Chlorobenzene

Concen: 52.753 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

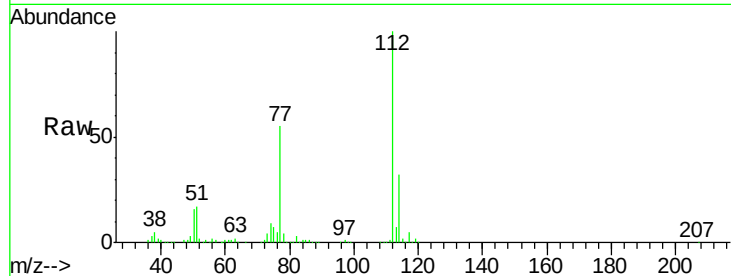
VSTDCCC050EC

Tot Ion:112 Resp: 225641

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

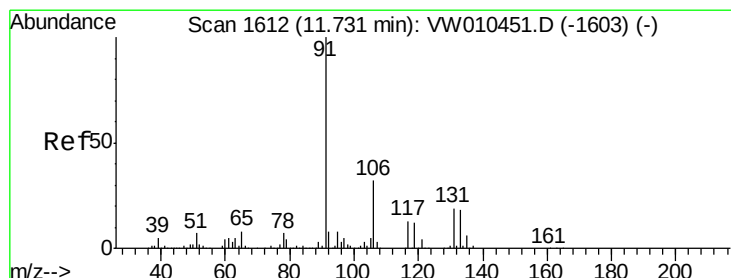
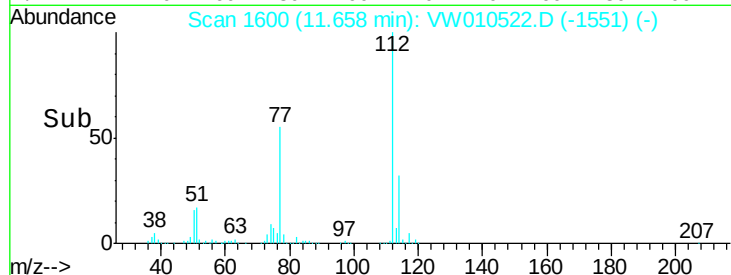
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.642 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

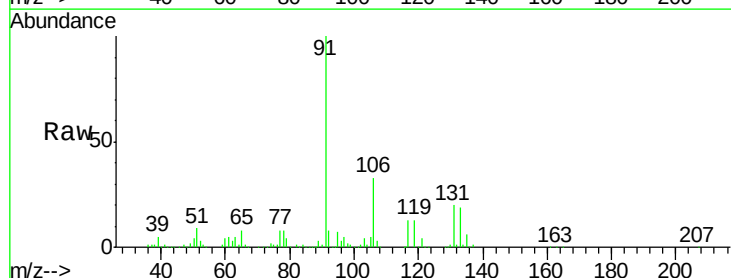
Tgt Ion:131 Resp: 82191

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.9

119 64.7 32.1 96.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

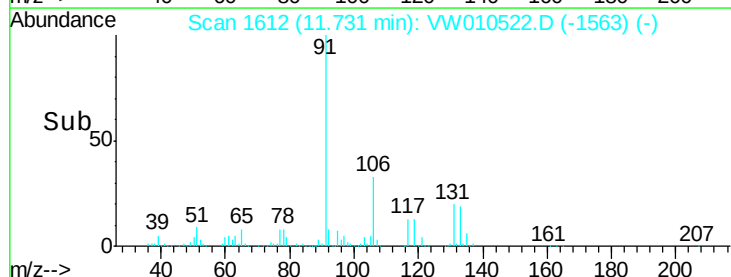
30000

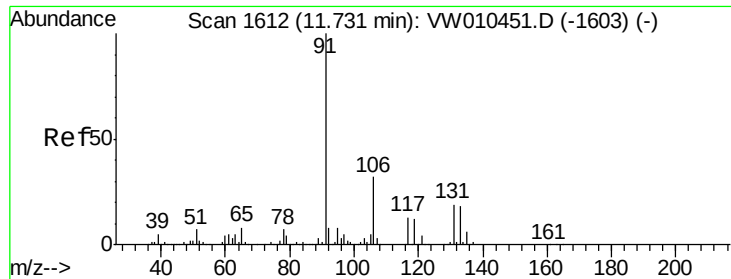
20000

10000

0

Time-->

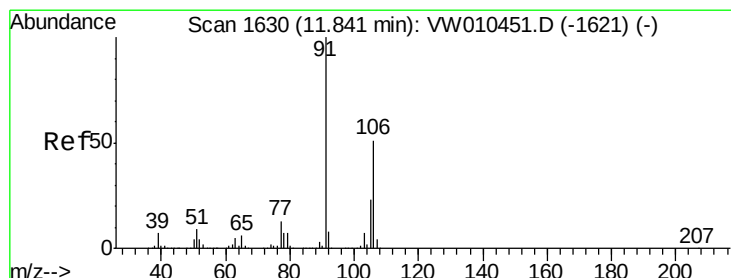
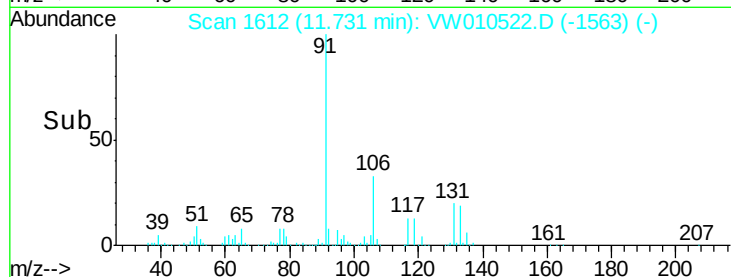
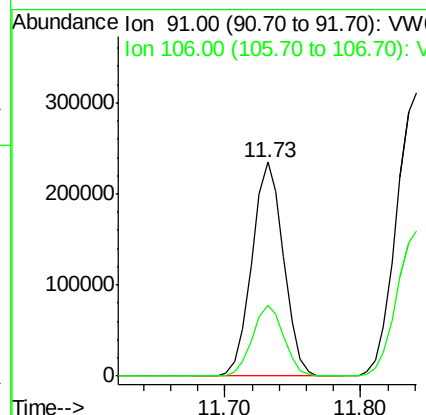
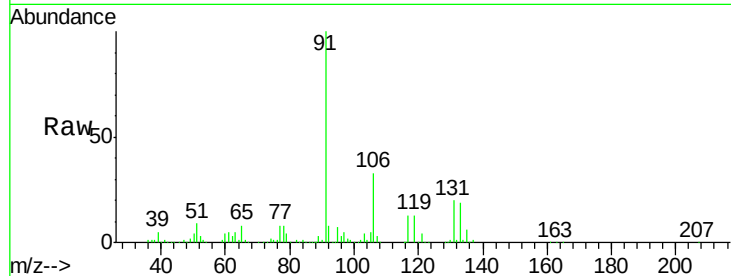




#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

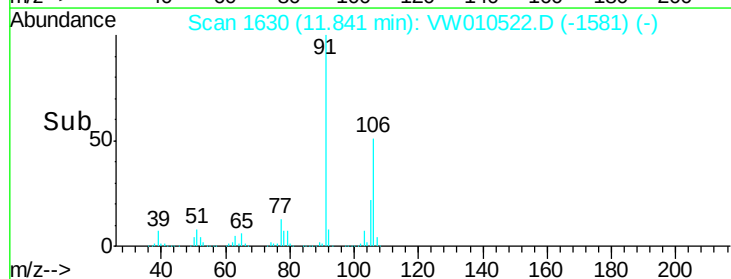
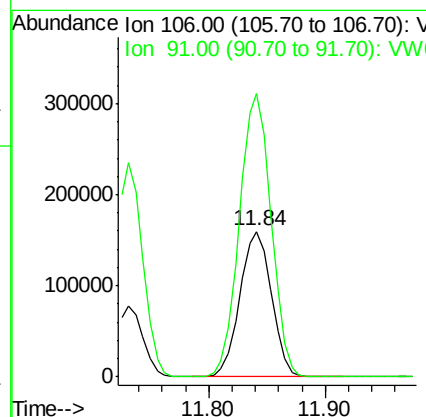
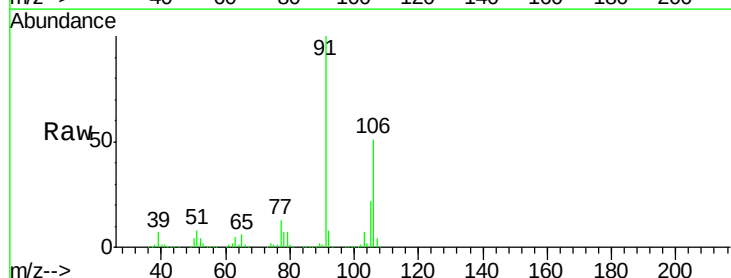
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

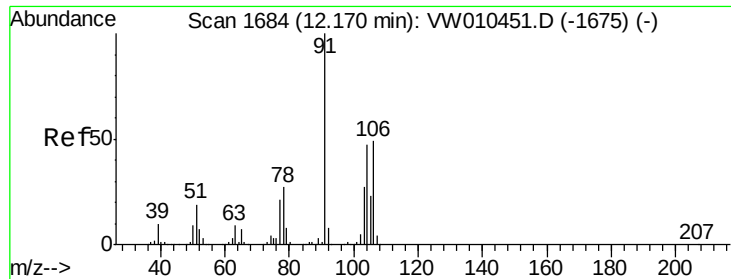
Tot Ion: 91 Resp: 382463
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9



#68
m/p-Xylenes
Concen: 101.941 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 106 Resp: 301951
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0

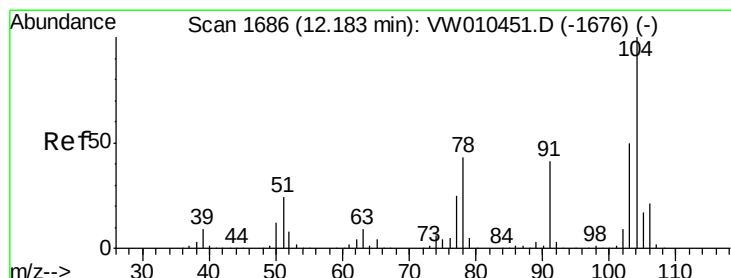
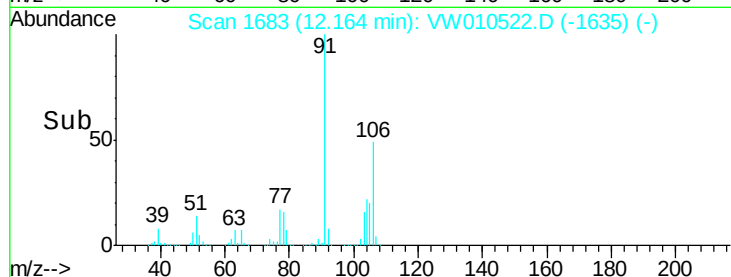
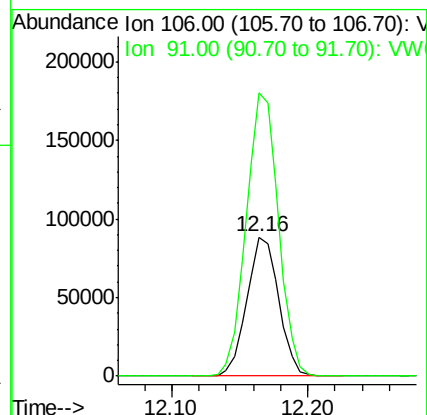
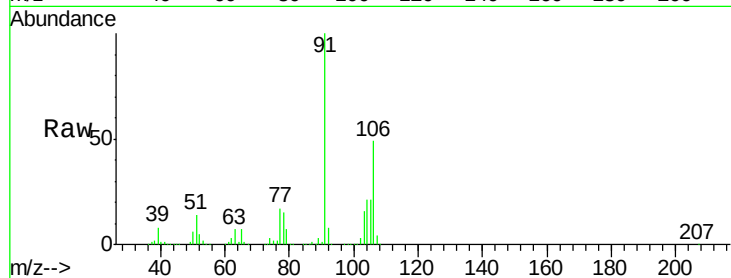




#69
o-Xylene
Concen: 51.714 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

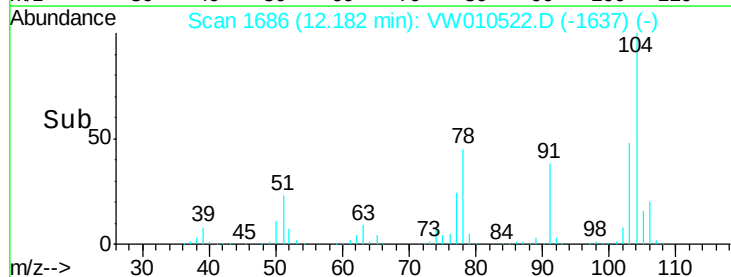
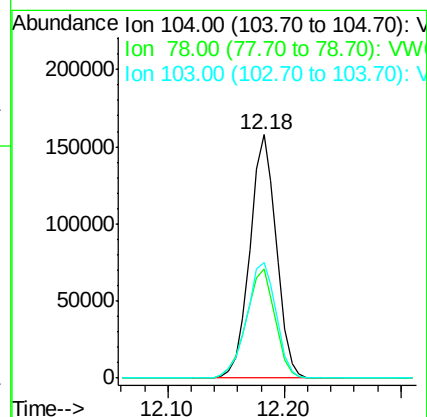
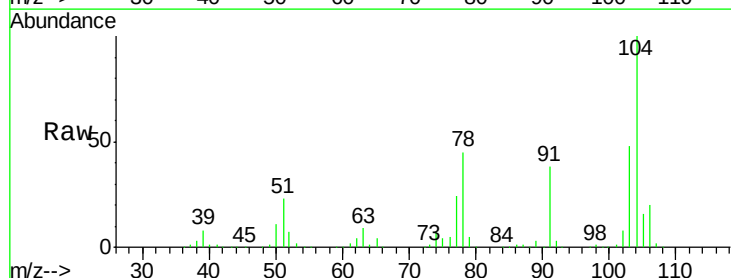
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

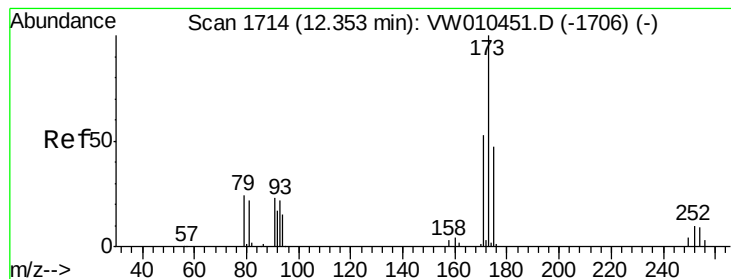
Tot Ion:106 Resp: 145128
Ion Ratio Lower Upper
106 100
91 205.4 103.2 309.4



#70
Styrene
Concen: 52.403 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion:104 Resp: 249522
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.1 43.0 64.6





#71

Bromoform

Concen: 52.974 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

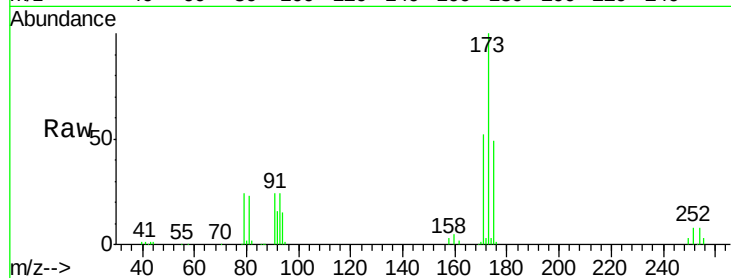
Tot Ion:173 Resp: 44698

Ion Ratio Lower Upper

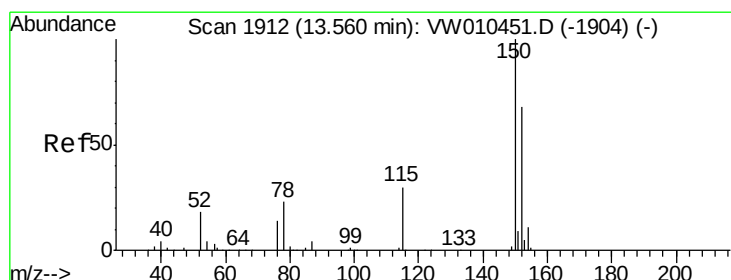
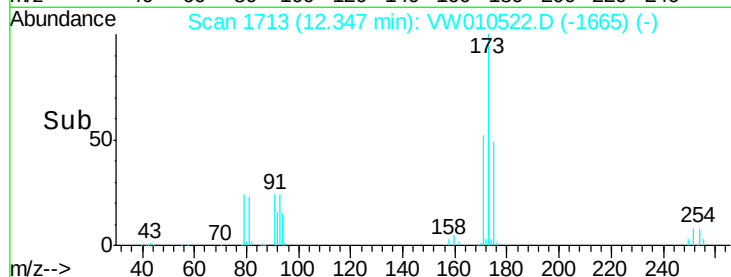
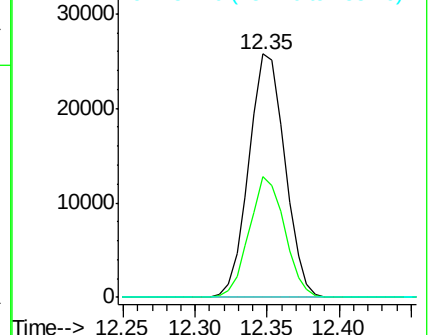
173 100

175 48.7 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

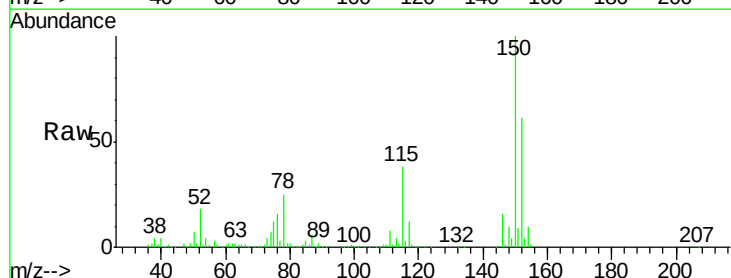
Tgt Ion:152 Resp: 98600

Ion Ratio Lower Upper

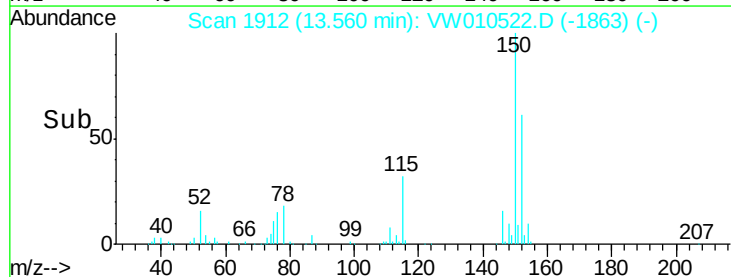
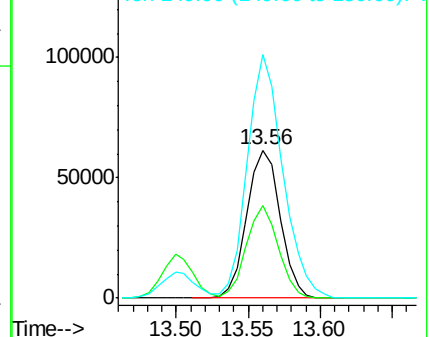
152 100

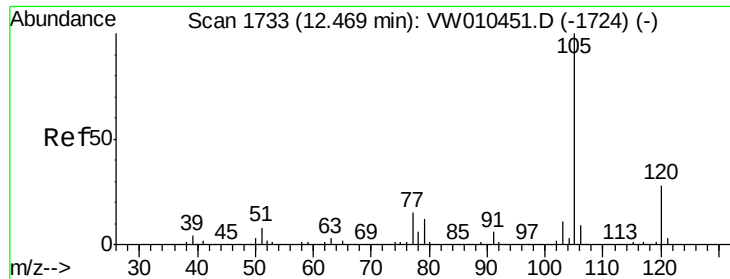
115 59.8 30.3 91.0

150 175.5 0.0 349.8



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: 49.263 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

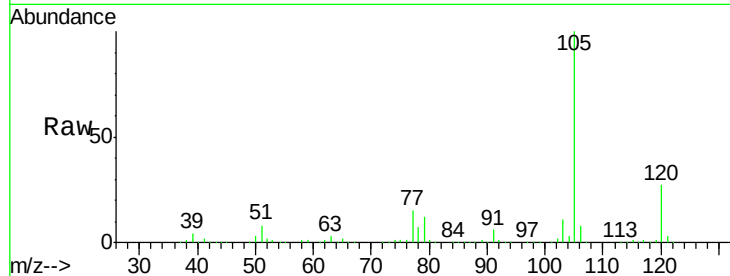
VSTDCCC050EC

Tot Ion:105 Resp: 385448

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

150000

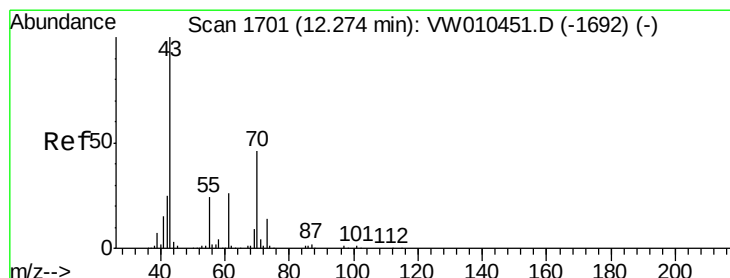
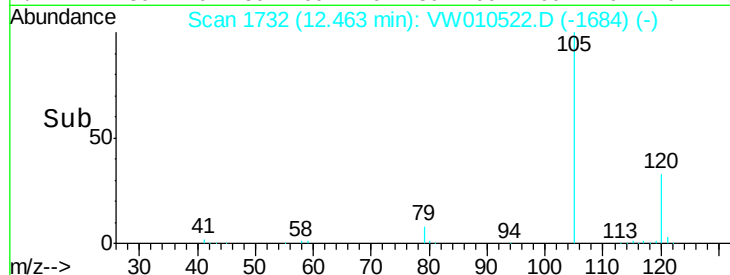
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 48.650 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion: 43 Resp: 87228

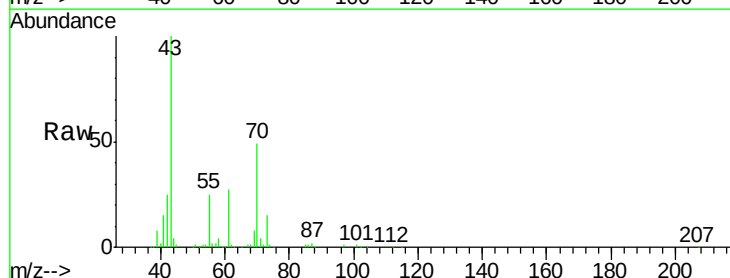
Ion Ratio Lower Upper

43 100

70 48.4 37.1 55.7

55 25.1 19.6 29.4

61 26.4 20.7 31.1



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

12.27

80000

60000

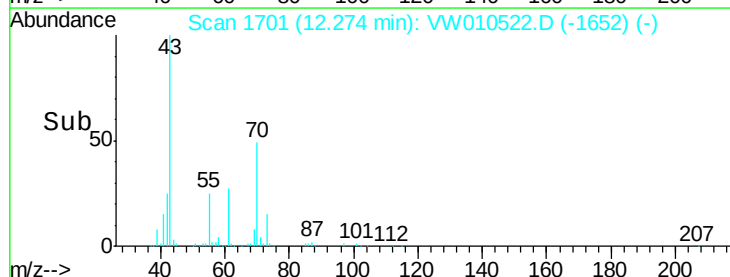
40000

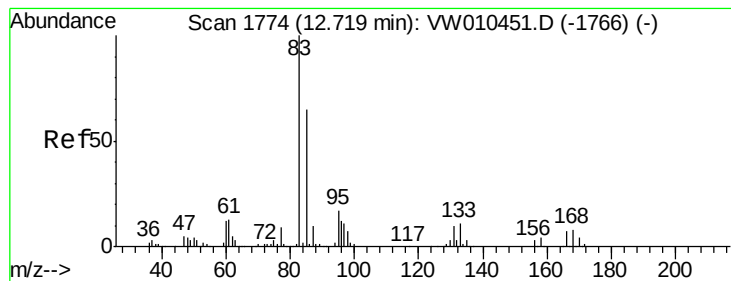
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 50.468 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

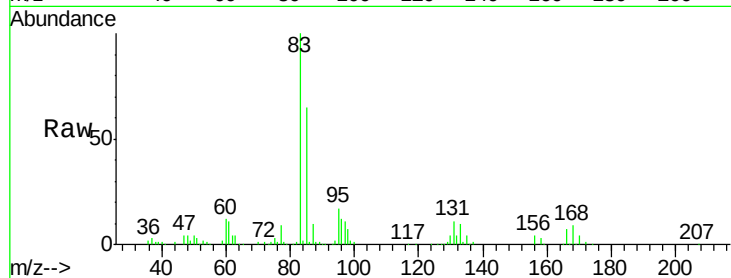
Tot Ion: 83 Resp: 71822

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

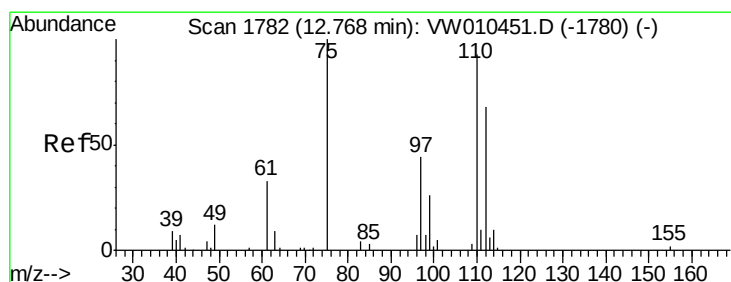
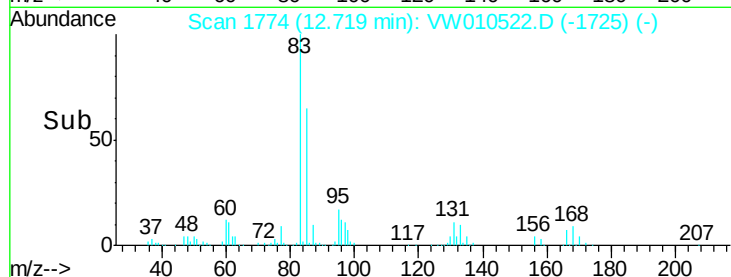
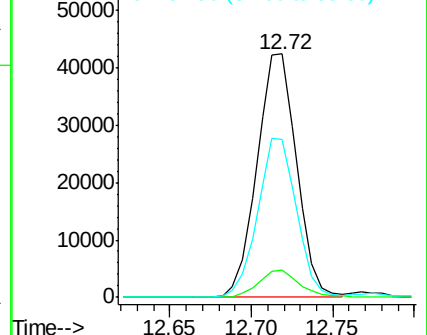
85 64.0 32.4 97.0



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: 89.188 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010522.D

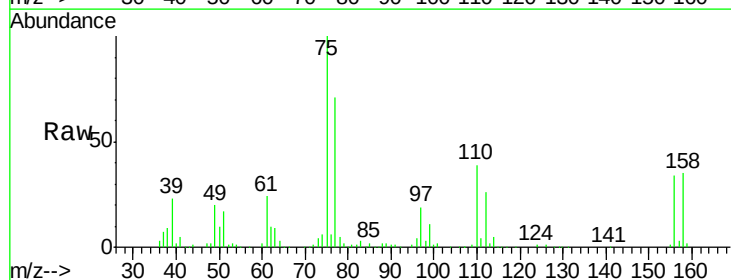
Acq: 22 May 2019 21:01

Tgt Ion: 75 Resp: 89264

Ion Ratio Lower Upper

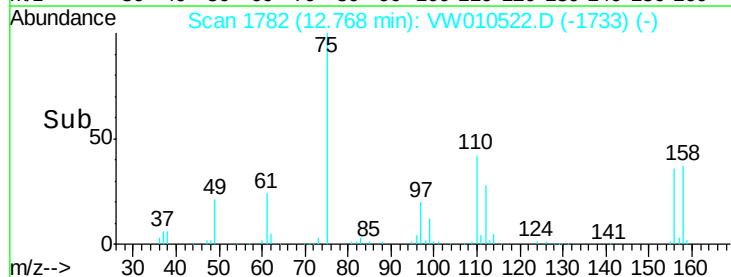
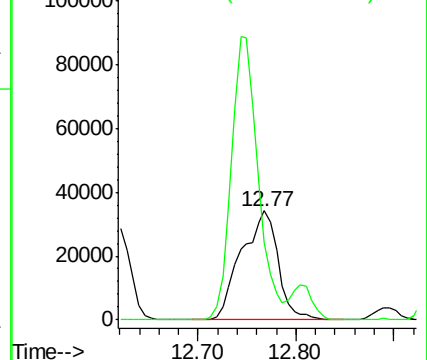
75 100

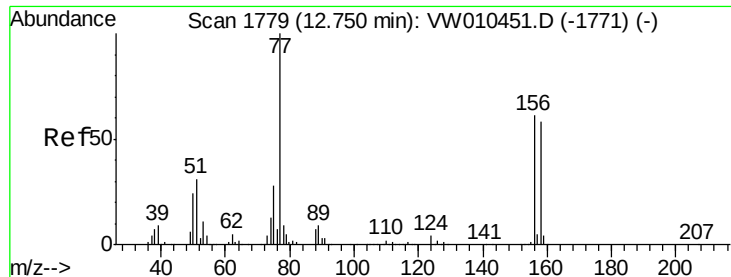
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.096 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

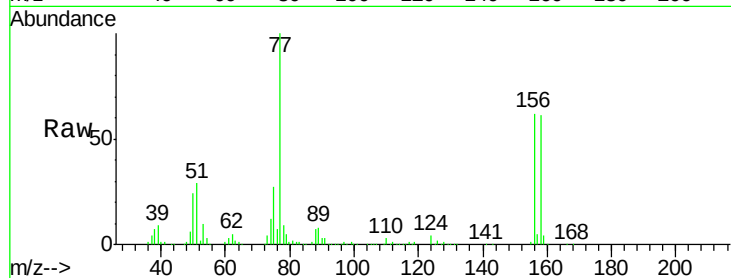
Tot Ion:156 Resp: 92967

Ion Ratio Lower Upper

156 100

77 180.3 92.4 277.2

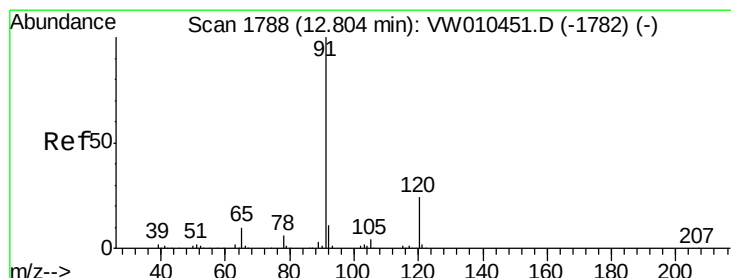
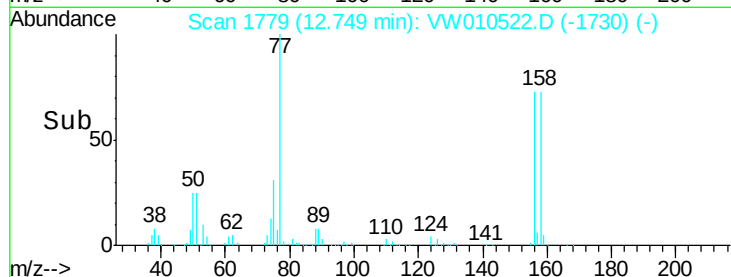
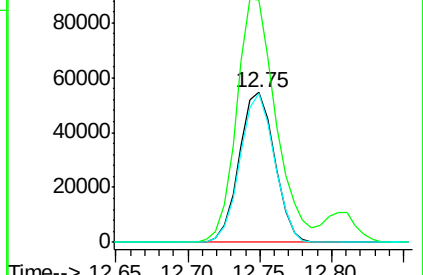
158 96.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.303 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010522.D

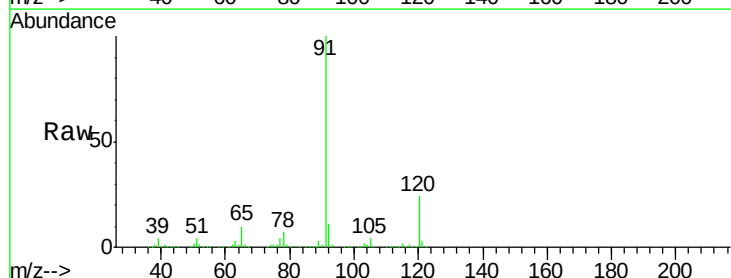
Acq: 22 May 2019 21:01

Tgt Ion: 91 Resp: 440431

Ion Ratio Lower Upper

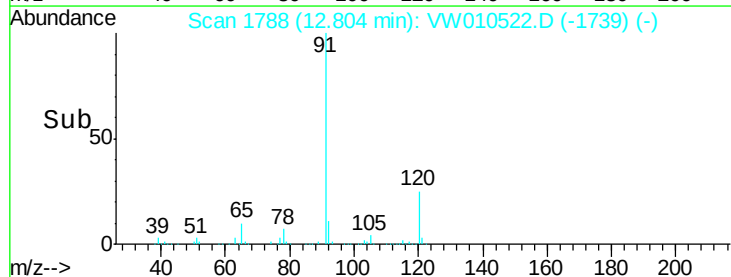
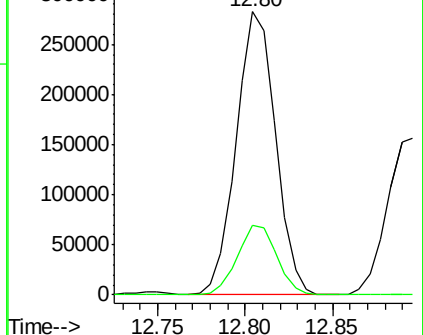
91 100

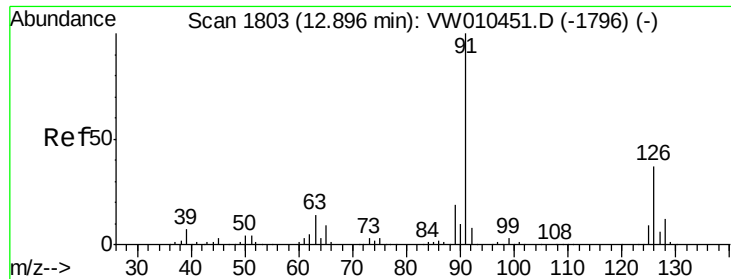
120 24.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

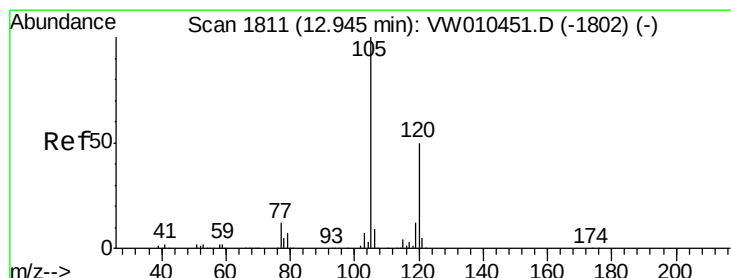
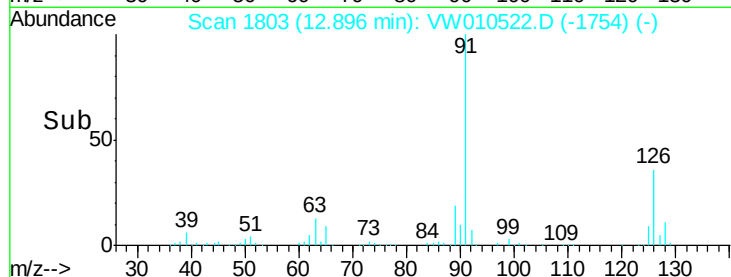
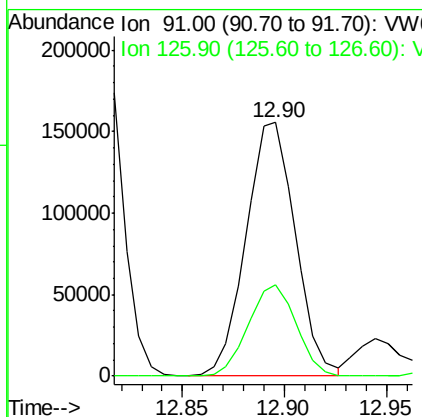
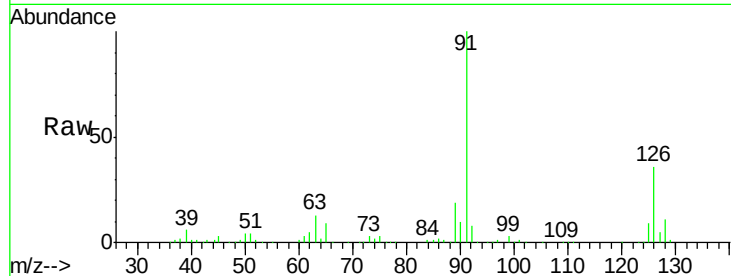




#79
 2-Chlorotoluene
 Concen: 49.571 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

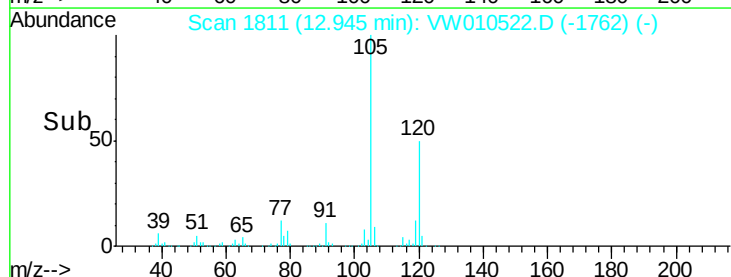
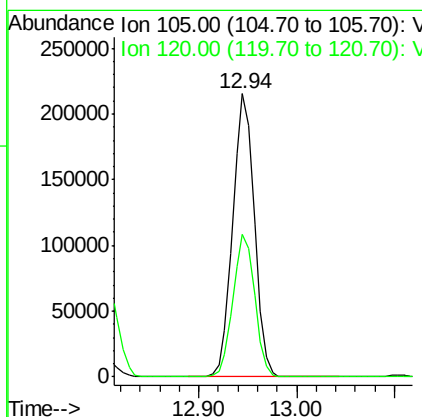
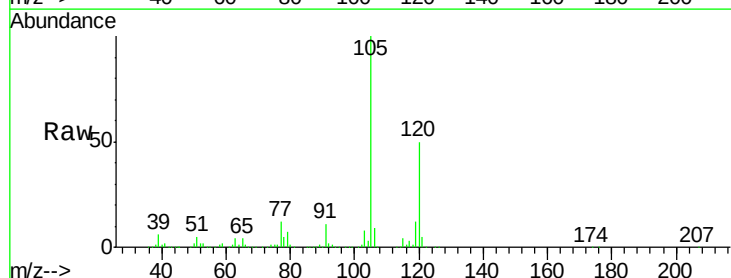
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

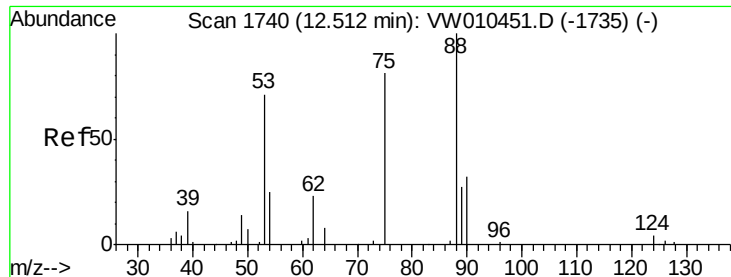
Tot Ion: 91 Resp: 262123
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 49.873 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion:105 Resp: 330494
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.2 75.6

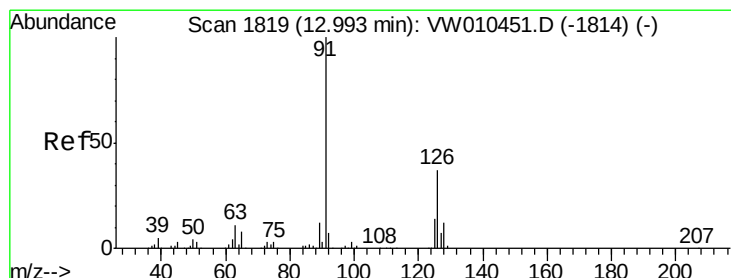
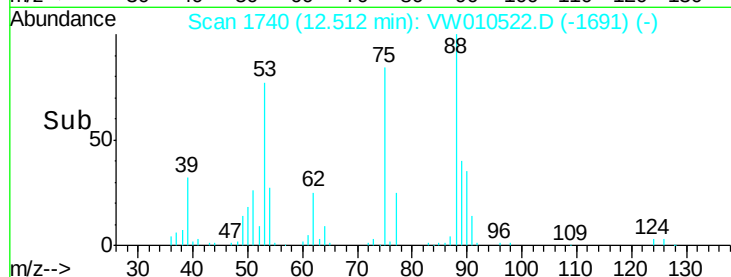
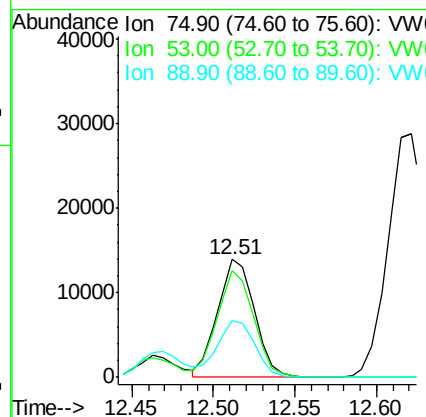
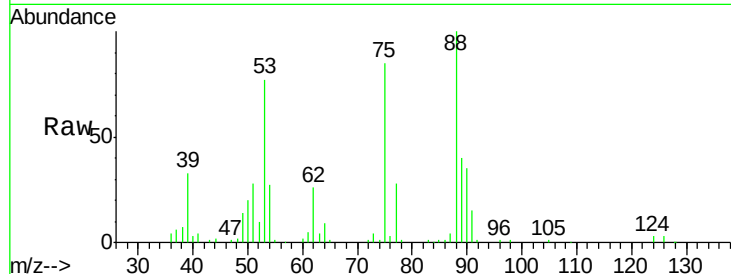




#81
trans-1,4-Dichloro-2-butene
Concen: 46.136 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

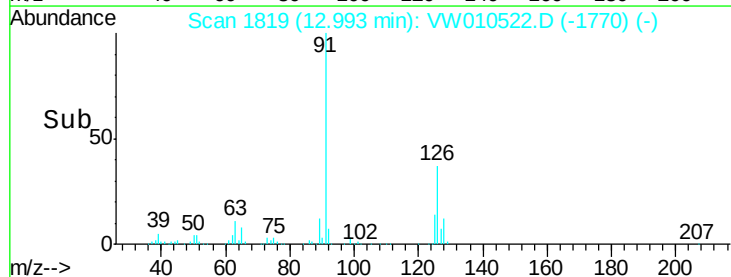
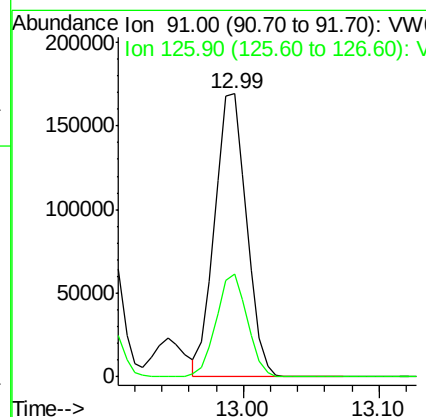
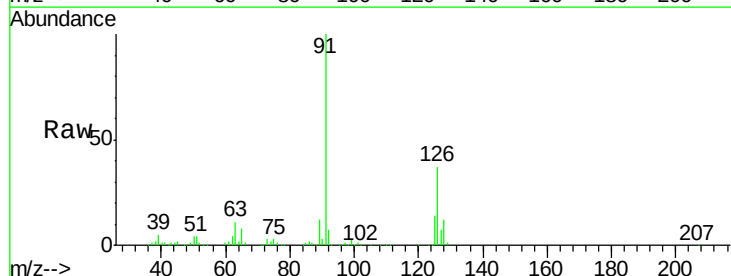
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

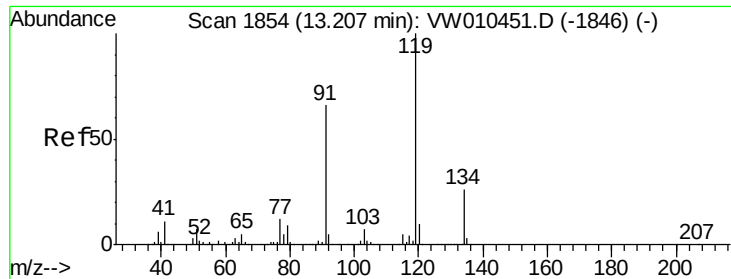
Tot Ion: 75 Resp: 22125
Ion Ratio Lower Upper
75 100
53 90.5 69.8 104.8
89 49.2 39.5 59.3



#82
4-Chlorotoluene
Concen: 49.834 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 91 Resp: 273517
Ion Ratio Lower Upper
91 100
126 35.8 17.5 52.6

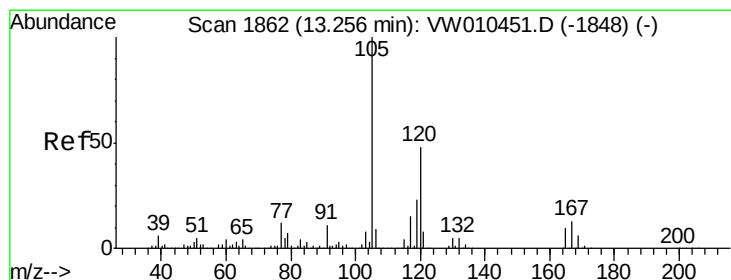
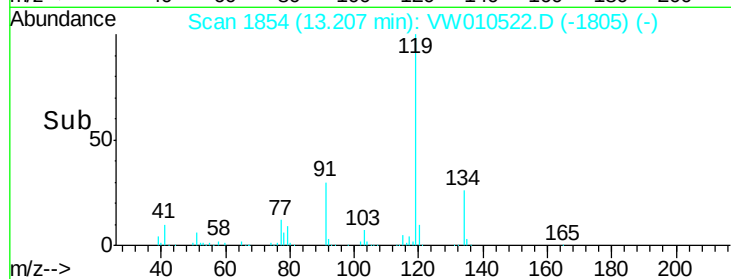
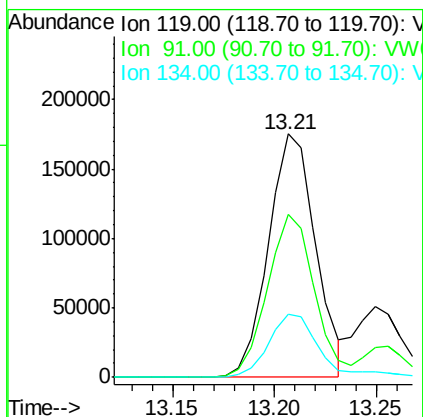
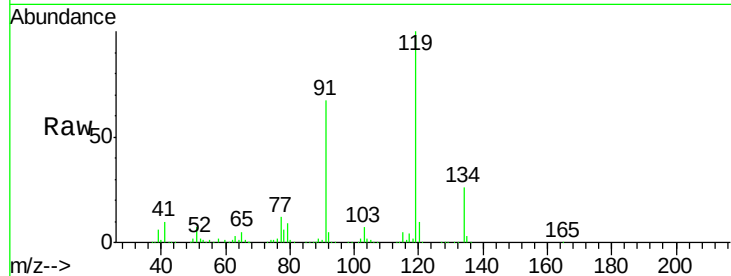




#83
 tert-Butylbenzene
 Concen: 48.810 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

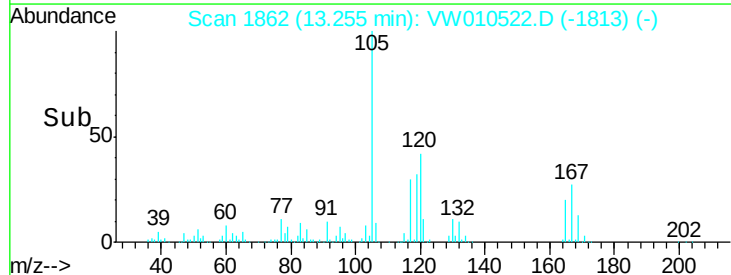
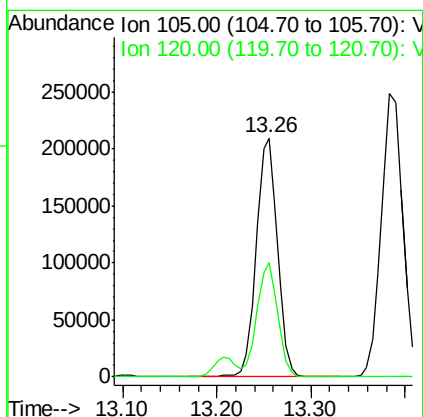
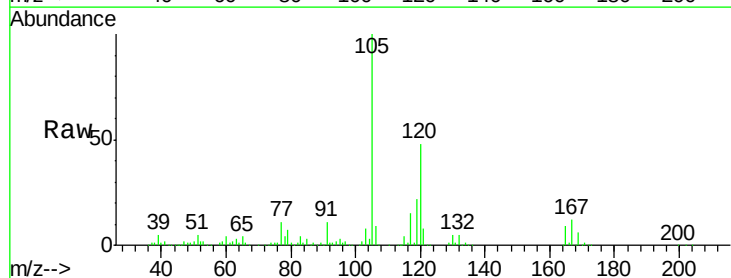
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

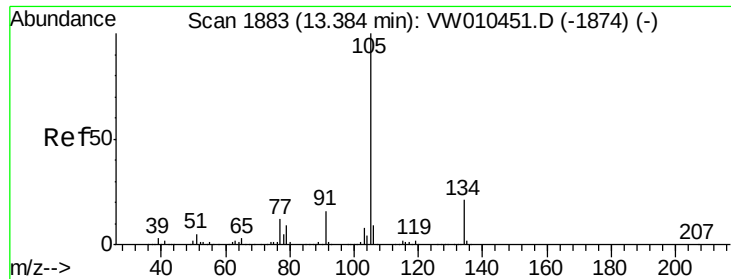
Tot Ion:119 Resp: 282534
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.1 99.5
 134 28.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.377 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion:105 Resp: 332486
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.2

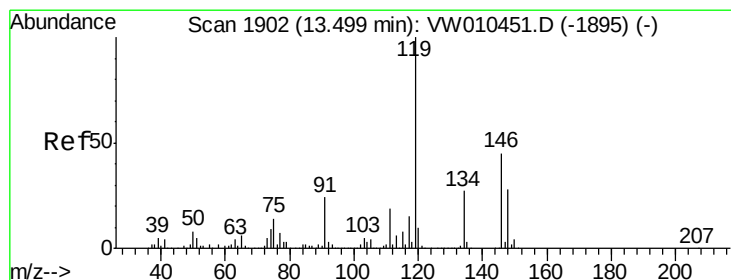
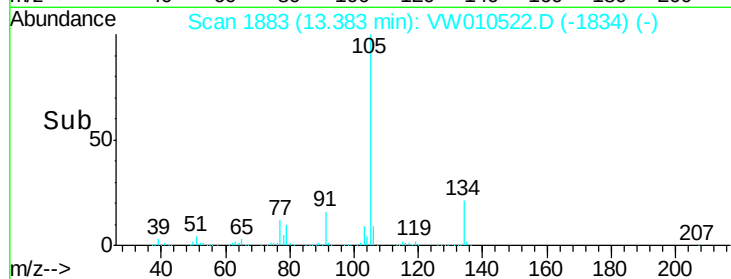
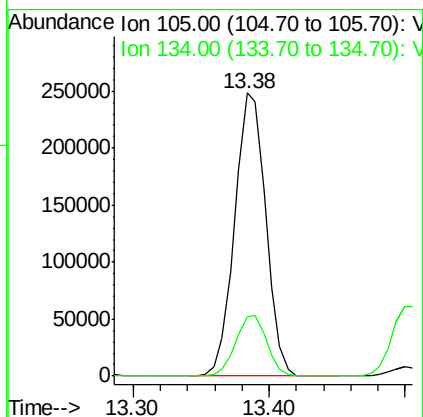
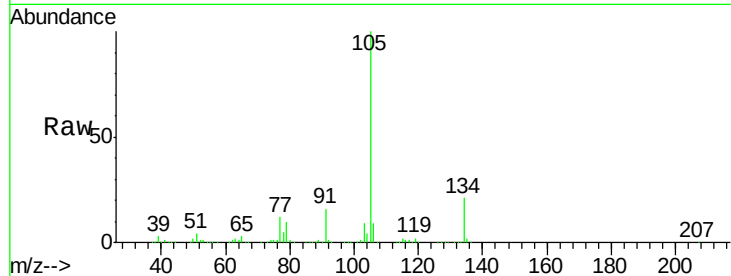




#85
 sec-Butylbenzene
 Concen: 48.655 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

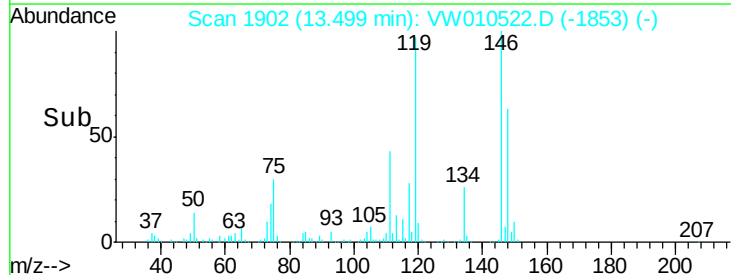
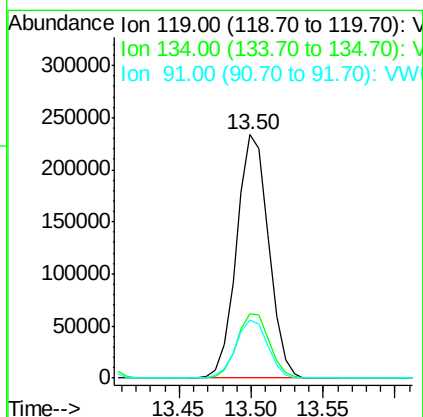
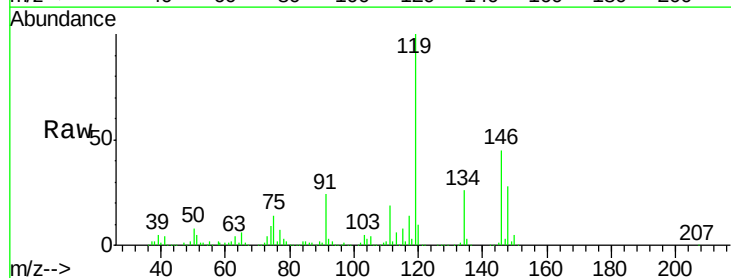
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

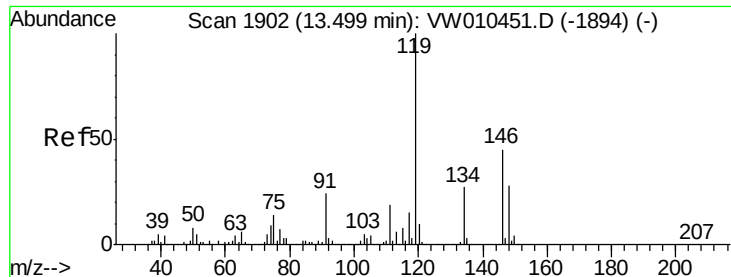
Tot Ion:105 Resp: 394130
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 48.965 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion:119 Resp: 359017
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 23.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 50.872 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

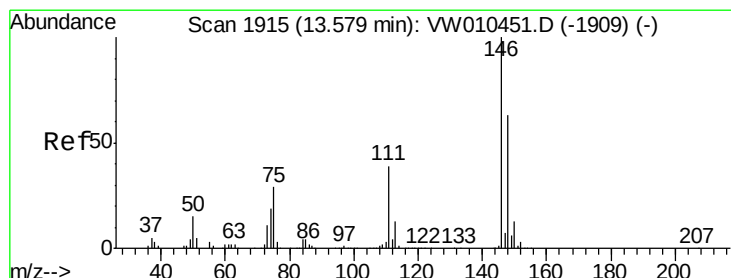
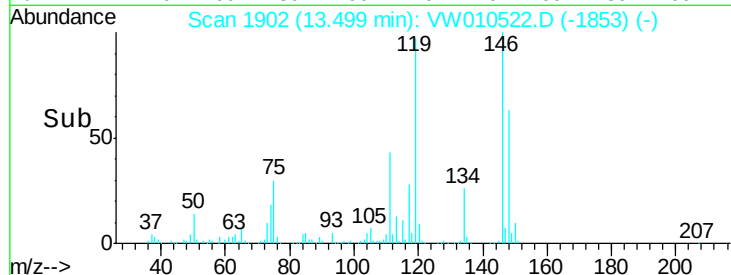
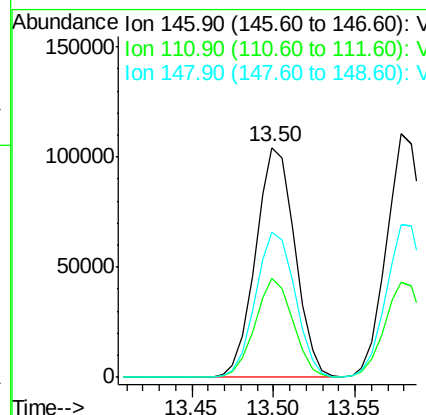
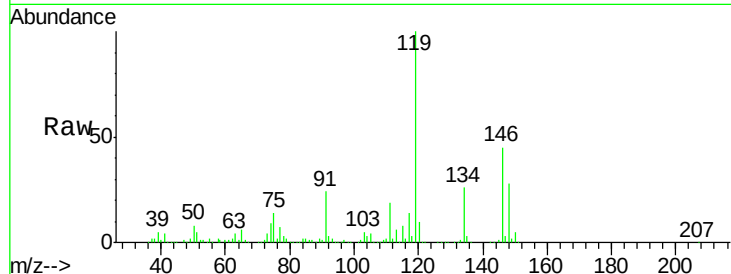
Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 174755

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	63.6	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 52.024 ug/l

RT: 13.58 min Scan# 1915

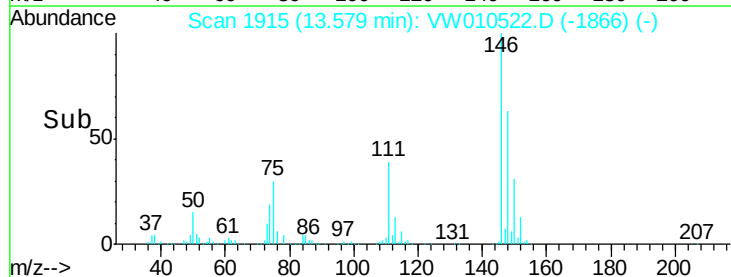
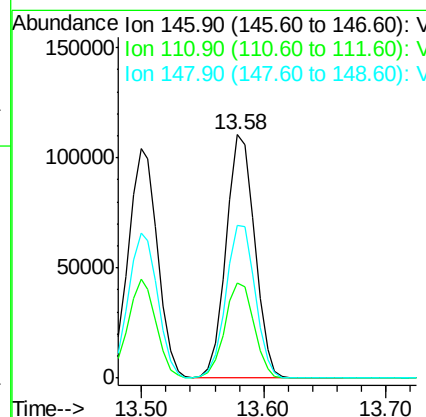
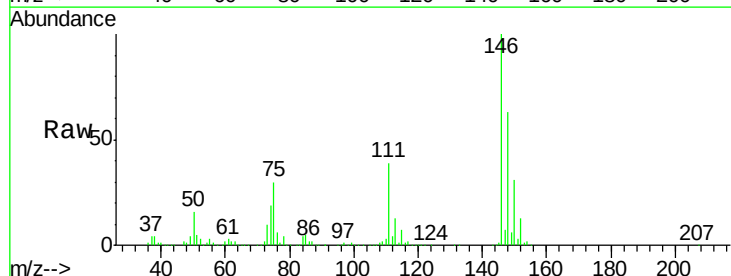
Delta R.T. -0.00 min

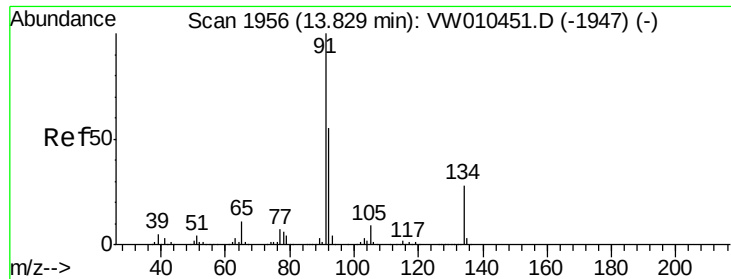
Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:146 Resp: 179305

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.6
148	64.0	31.6	94.8

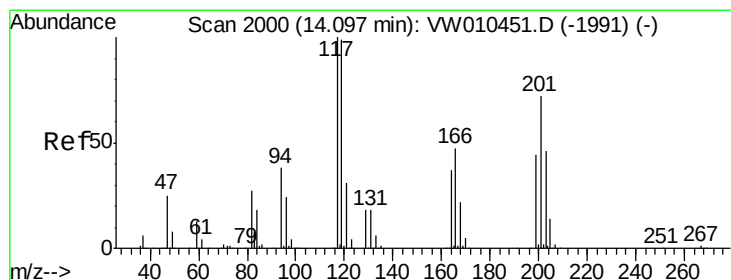
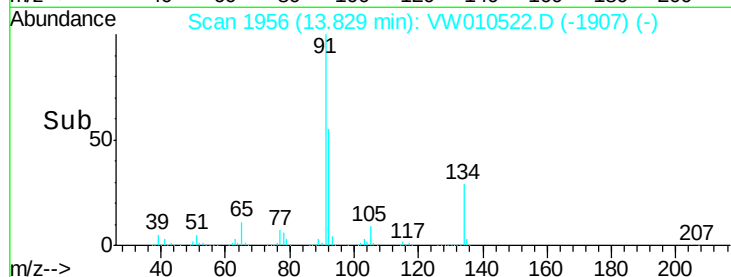
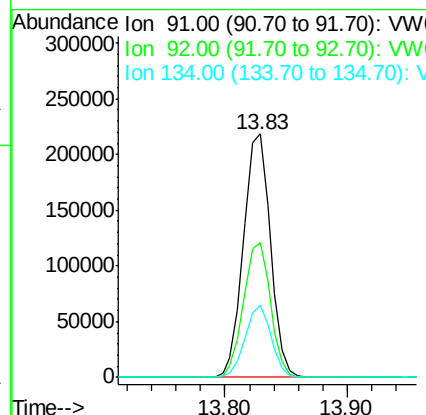
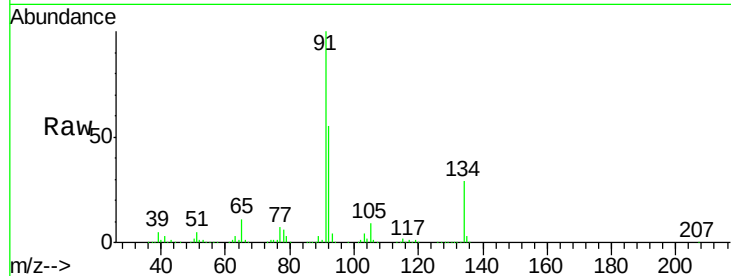




#89
n-Butylbenzene
Concen: 47.824 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

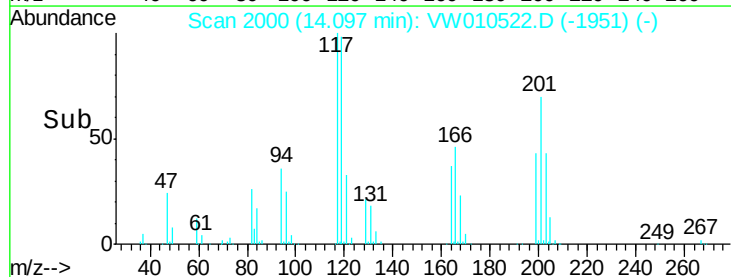
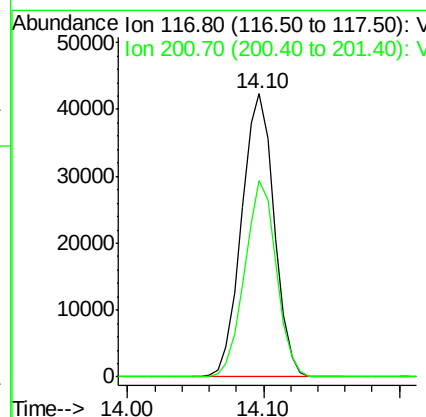
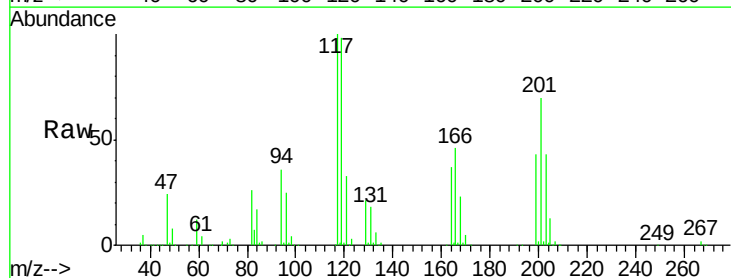
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

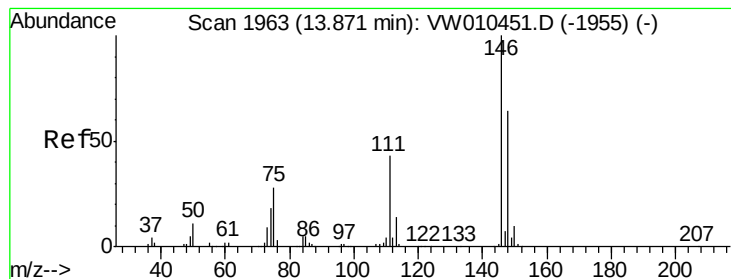
Tot Ion: 91 Resp: 333532
Ion Ratio Lower Upper
91 100
92 55.4 27.7 83.1
134 28.6 13.9 41.6



#90
Hexachloroethane
Concen: 49.791 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 117 Resp: 70663
Ion Ratio Lower Upper
117 100
201 67.6 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 52.340 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

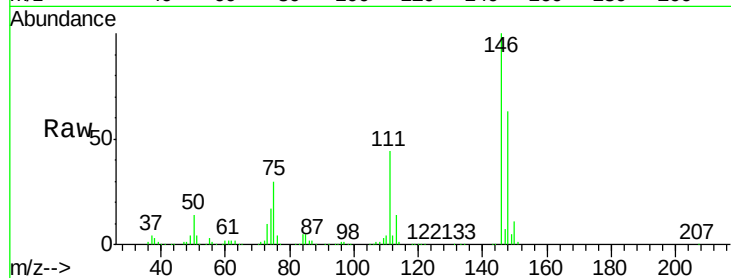
Tot Ion:146 Resp: 163825

Ion Ratio Lower Upper

146 100

111 42.6 21.3 64.0

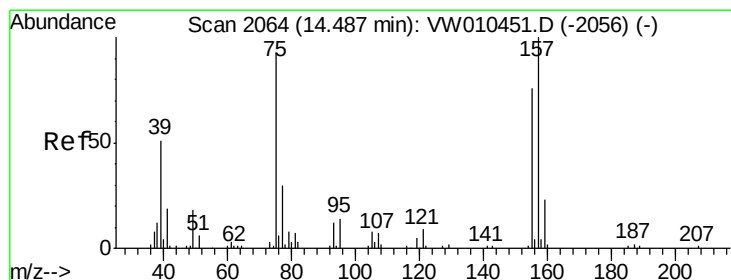
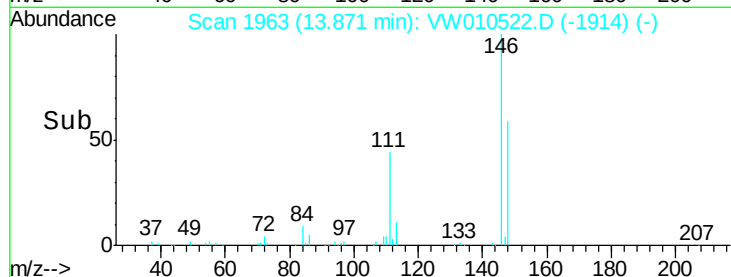
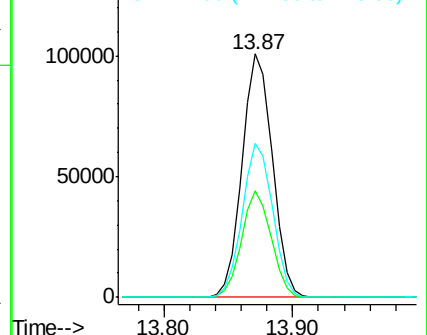
148 63.5 32.0 96.0



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: 48.980 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

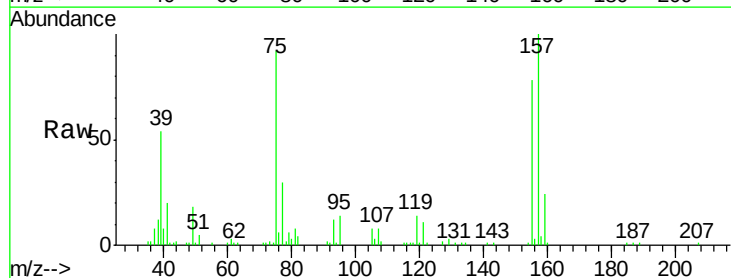
Tgt Ion: 75 Resp: 12961

Ion Ratio Lower Upper

75 100

155 86.9 43.0 129.0

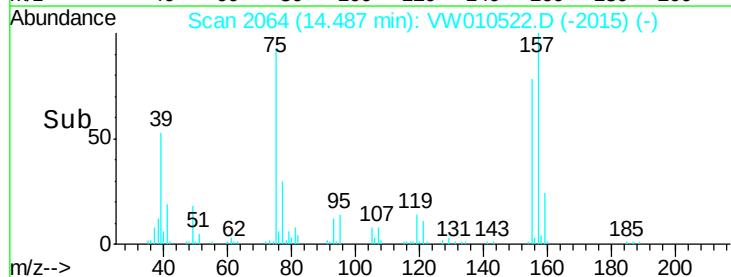
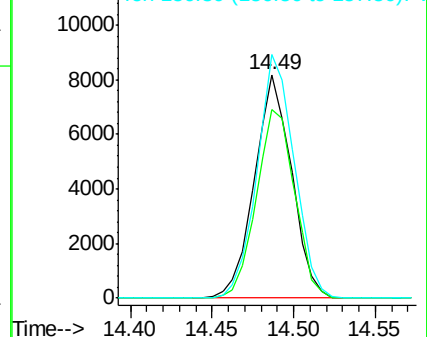
157 109.4 55.7 167.1

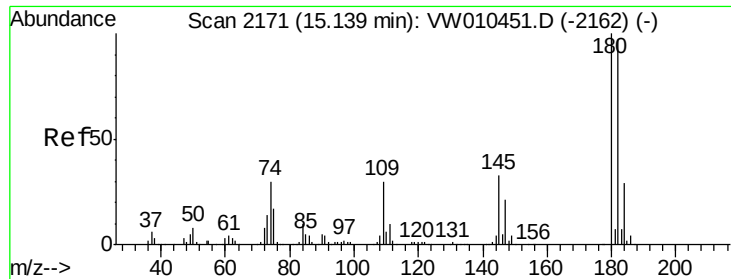


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

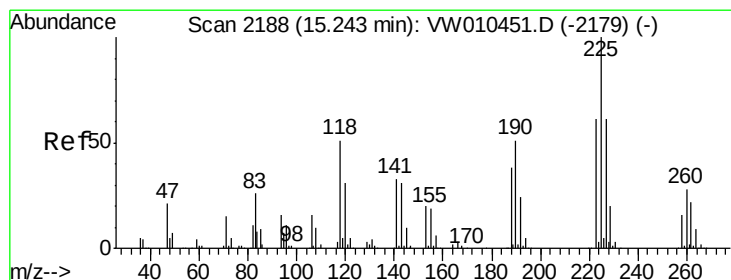
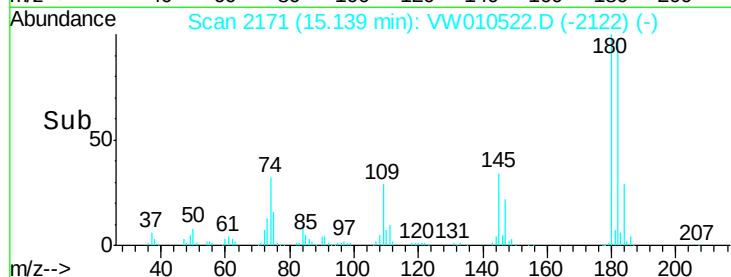
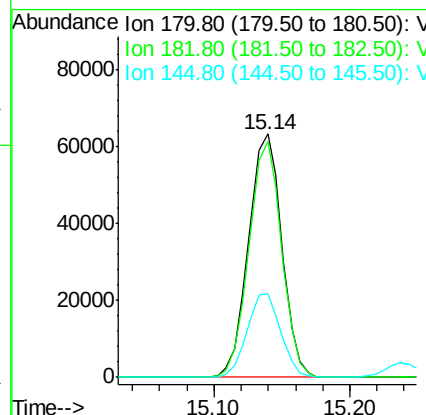
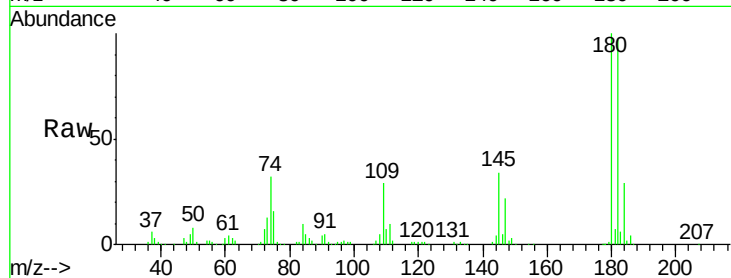




#93
 1,2,4-Trichlorobenzene
 Concen: 50.941 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

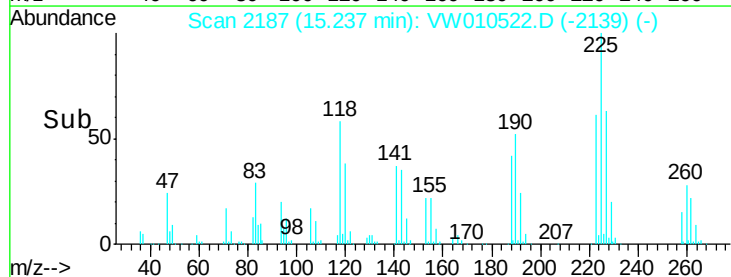
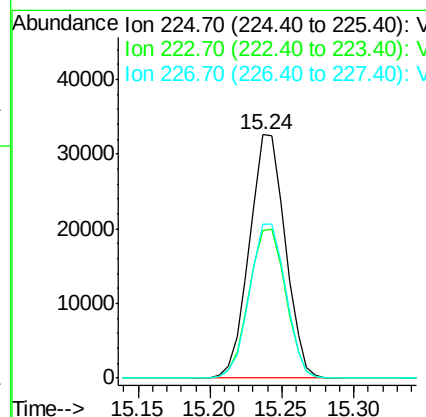
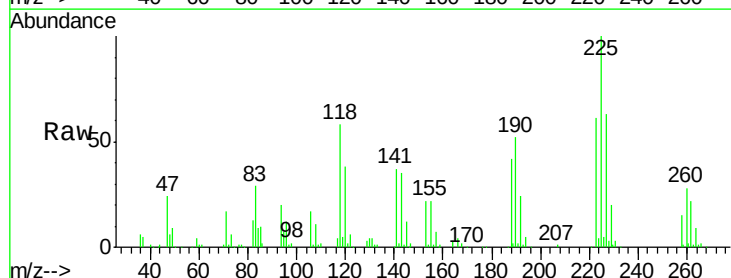
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

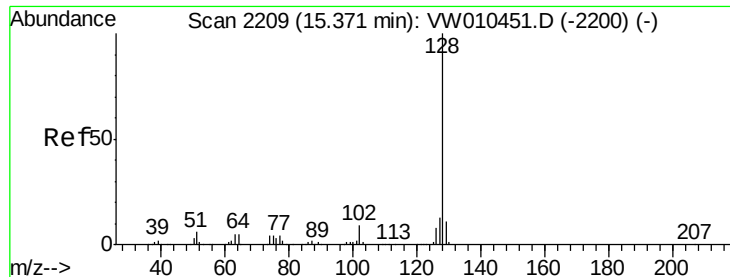
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.0	141.2
145	34.6	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 49.294 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	63.8	31.1	93.5





#95

Naphthalene

Concen: 51.498 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

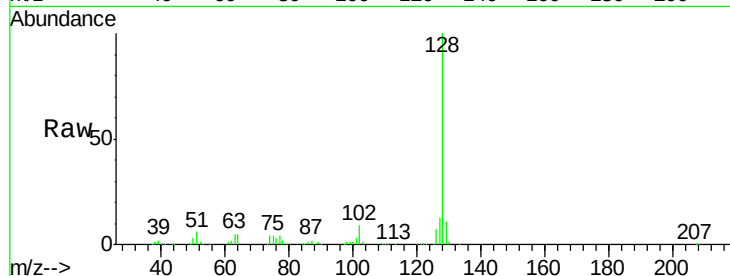
Tot Ion:128 Resp: 230218

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

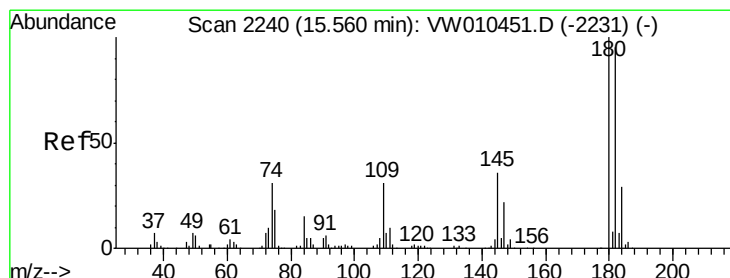
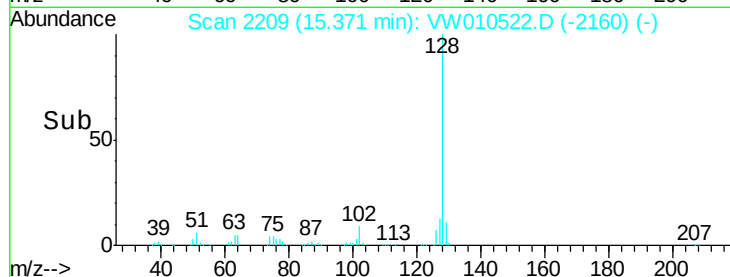
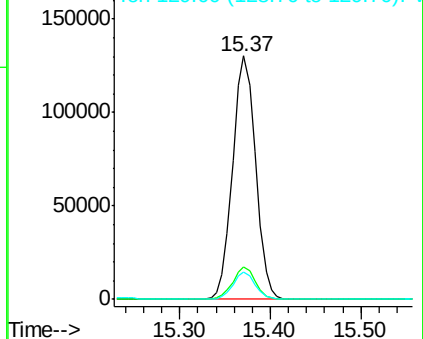
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.963 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

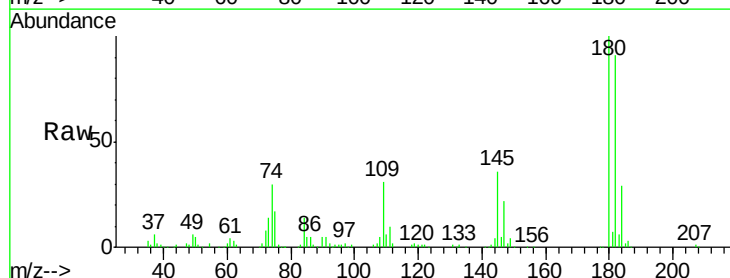
Tgt Ion:180 Resp: 95220

Ion Ratio Lower Upper

180 100

182 93.6 47.1 141.3

145 36.4 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

