

Data File : VW010629.D
Acq On : 31 May 2019 11:29
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Jun 01 04:46:03 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	139219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	226658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63100	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
35) Dibromofluoromethane	7.88	113	68759	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.32	98	262551	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.62	95	99572	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58664	47.284	ug/l	100
3) Chloromethane	2.21	50	59976	41.003	ug/l	99
4) Vinyl Chloride	2.35	62	68245	40.279	ug/l	99
5) Bromomethane	2.75	94	48497	41.607	ug/l	95
6) Chloroethane	2.91	64	47782	43.931	ug/l	100
7) Trichlorofluoromethane	3.25	101	130106	52.012	ug/l	95
8) Diethyl Ether	3.68	74	36509	46.043	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	79957	51.904	ug/l	97
10) Methyl Iodide	4.27	142	85807	48.733	ug/l	98
11) Tert butyl alcohol	5.16	59	30153	233.283	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	74264	50.502	ug/l	98
13) Acrolein	3.89	56	15629	203.350	ug/l	100
14) Allyl chloride	4.67	41	99677	46.828	ug/l	99
15) Acrylonitrile	5.37	53	69976	210.719	ug/l	98
16) Acetone	4.12	43	75742	258.224	ug/l	99
17) Carbon Disulfide	4.38	76	199513	45.487	ug/l	99
18) Methyl Acetate	4.67	43	28832	40.191	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	170054	45.362	ug/l	97
20) Methylene Chloride	4.92	84	75800	43.370	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	84255	49.952	ug/l	99
22) Diisopropyl ether	6.31	45	202558	46.410	ug/l	97
23) Vinyl Acetate	6.26	43	577159	221.376	ug/l	99
24) 1,1-Dichloroethane	6.22	63	129243	49.621	ug/l	99
25) 2-Butanone	7.17	43	93953	223.822	ug/l	93
26) 2,2-Dichloropropane	7.17	77	131063	52.827	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	91636	49.971	ug/l	100
28) Bromochloromethane	7.51	49	43554	46.705	ug/l	92
29) Tetrahydrofuran	7.53	42	55993	197.126	ug/l	99
30) Chloroform	7.68	83	141547	50.383	ug/l	100
31) Cyclohexane	7.96	56	124815	45.749	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	137267	51.120	ug/l	99
36) 1,1-Dichloropropene	8.08	75	112726	53.388	ug/l	99
37) Ethyl Acetate	7.25	43	39676	44.189	ug/l	98
38) Carbon Tetrachloride	8.07	117	124557	54.686	ug/l	100

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	150505	53.204	ug/l	97
40) Benzene	8.32	78	311646	53.104	ug/l	100
41) Methacrylonitrile	7.48	41	22975	43.065	ug/l	99
42) 1,2-Dichloroethane	8.40	62	84303	50.261	ug/l	99
43) Isopropyl Acetate	8.43	43	77844	43.397	ug/l	98
44) Trichloroethene	9.09	130	95853	55.016	ug/l	100
45) 1,2-Dichloropropane	9.37	63	71716	51.454	ug/l	98
46) Dibromomethane	9.46	93	40845	50.110	ug/l	95
47) Bromodichloromethane	9.65	83	103807	50.678	ug/l	98
48) Methyl methacrylate	9.43	41	35156	42.840	ug/l	95
49) 1,4-Dioxane	9.45	88	11278	846.990	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	197004	216.739	ug/l	99
52) Toluene	10.39	92	212280	53.862	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	102353	49.338	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	121964	51.478	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59292	50.584	ug/l	95
56) Ethyl methacrylate	10.65	69	74325	45.977	ug/l	97
57) 1,3-Dichloropropane	10.93	76	98572	50.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	165582	231.250	ug/l	97
59) 2-Hexanone	10.97	43	146228	225.523	ug/l	99
60) Dibromochloromethane	11.13	129	75502	50.896	ug/l	99
61) 1,2-Dibromoethane	11.24	107	59195	49.854	ug/l	99
64) Tetrachloroethene	10.86	164	78244	55.874	ug/l	97
65) Chlorobenzene	11.66	112	233492	54.537	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83347	54.345	ug/l	99
67) Ethyl Benzene	11.73	91	407785	53.948	ug/l	100
68) m/p-Xylenes	11.84	106	322151	108.657	ug/l	99
69) o-Xylene	12.16	106	150888	53.715	ug/l	98
70) Styrene	12.18	104	254196	53.334	ug/l	99
71) Bromoform	12.35	173	40701	48.191	ug/l #	99
73) Isopropylbenzene	12.47	105	418085	52.890	ug/l	100
74) N-amyl acetate	12.27	43	76131	42.028	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	64394	44.787	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82737	81.824	ug/l	34
77) Bromobenzene	12.75	156	95051	53.733	ug/l	94
78) n-propylbenzene	12.80	91	478795	51.975	ug/l	98
79) 2-Chlorotoluene	12.90	91	275782	51.623	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	349361	52.183	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	20206	41.705	ug/l	97
82) 4-Chlorotoluene	12.99	91	284915	51.382	ug/l	99
83) tert-Butylbenzene	13.21	119	318228	54.417	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	344442	51.657	ug/l	100
85) sec-Butylbenzene	13.39	105	430702	52.628	ug/l	99
86) p-Isopropyltoluene	13.50	119	393017	53.056	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	183970	53.009	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	185317	53.220	ug/l	100
89) n-Butylbenzene	13.83	91	369818	52.487	ug/l	99
90) Hexachloroethane	14.10	117	73838	51.498	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	167758	53.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10915	40.827	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW053119\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118412	55.036	ug/l	99
94) Hexachlorobutadiene	15.24	225	68224	59.356	ug/l	98
95) Naphthalene	15.37	128	207111	45.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	98610	53.264	ug/l	100

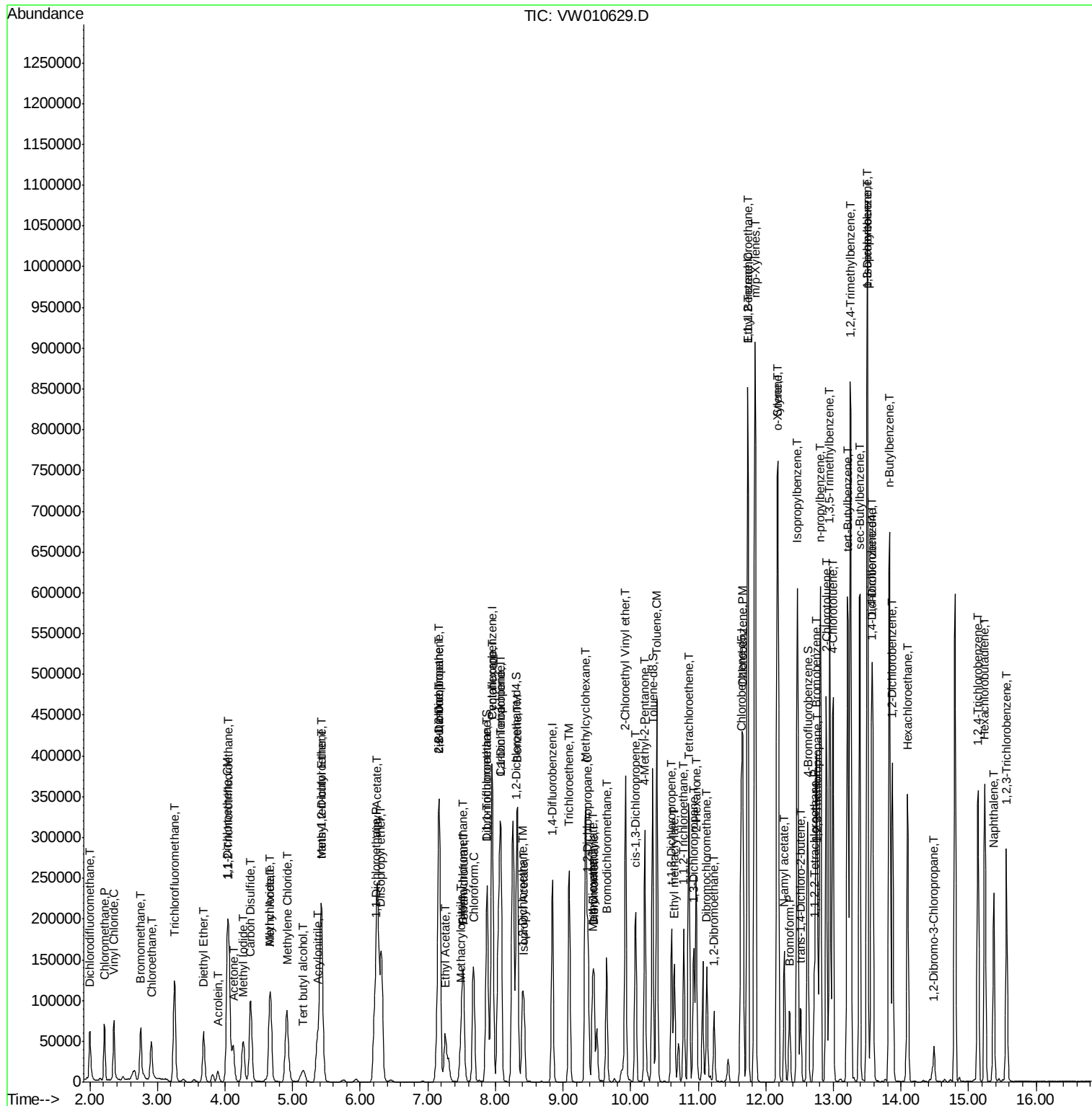
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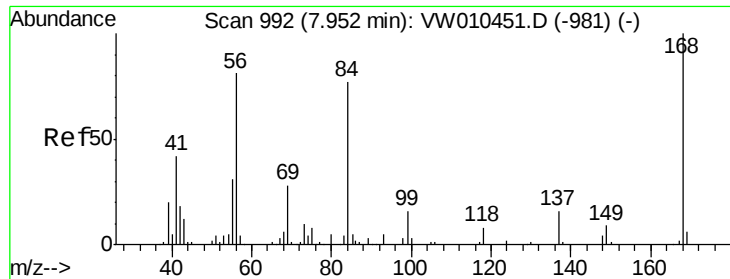
Data File : VW010629.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

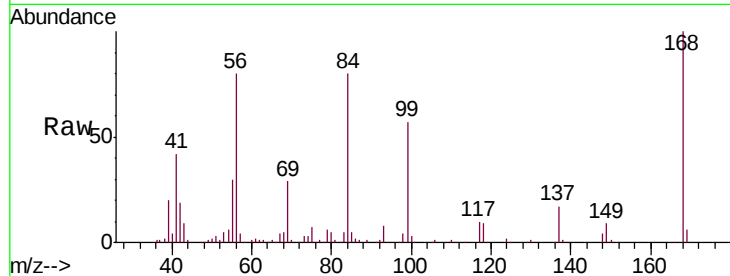
VSTDCCC050

Tgt Ion:168 Resp: 139219

Ion Ratio Lower Upper

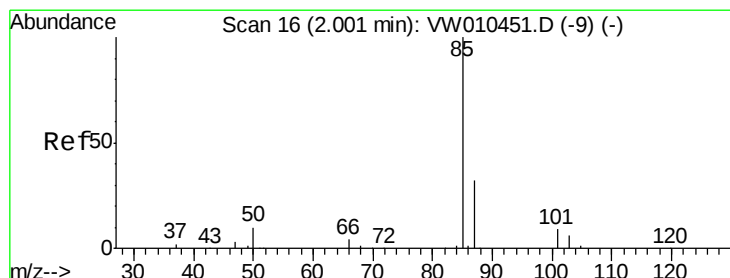
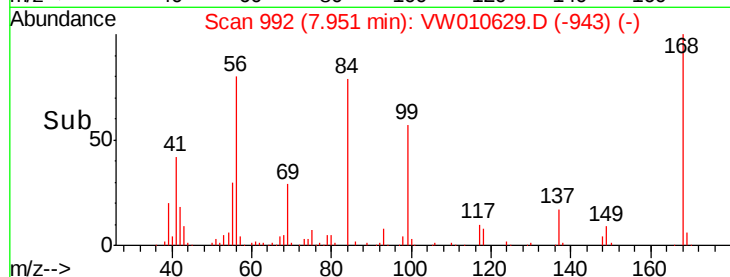
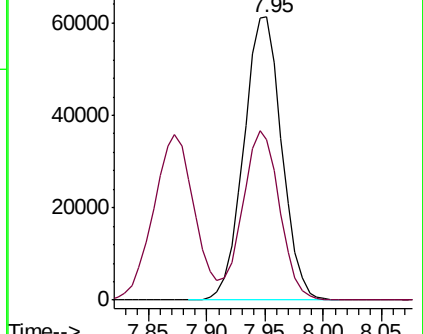
168 100

99 56.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.284 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010629.D

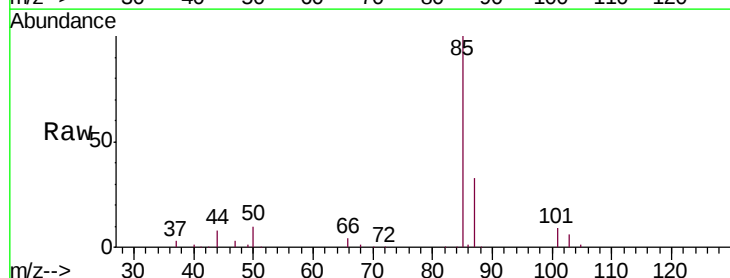
Acq: 31 May 2019 11:29

Tgt Ion: 85 Resp: 58664

Ion Ratio Lower Upper

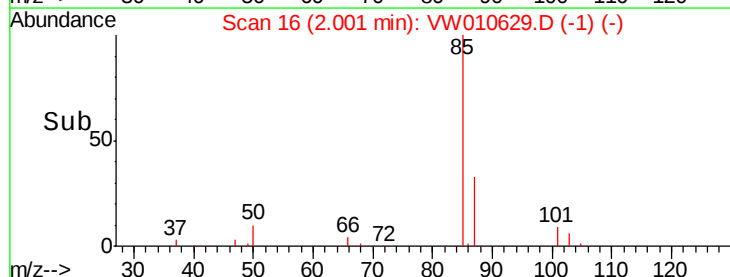
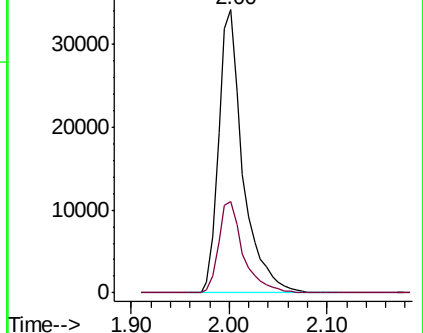
85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 41.003 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

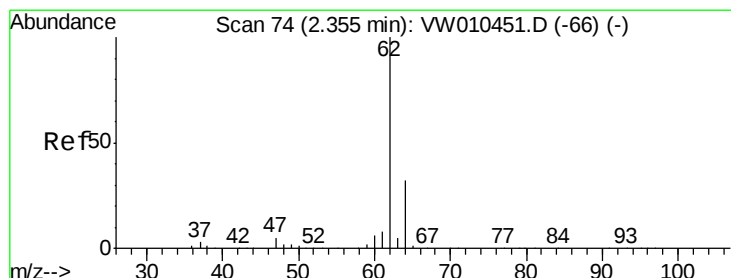
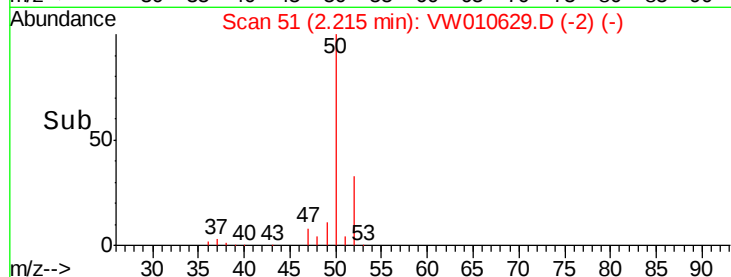
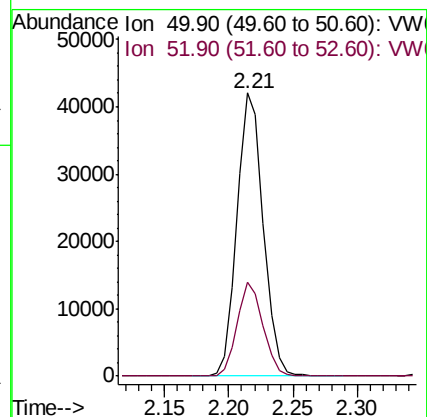
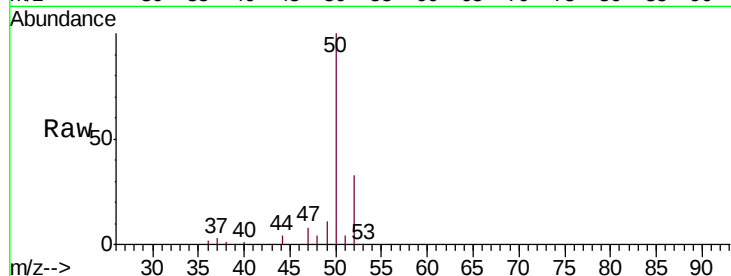
VSTDCCC050

Tgt Ion: 50 Resp: 59976

Ion Ratio Lower Upper

50 100

52 33.2 26.3 39.5



#4

Vinyl Chloride

Concen: 40.279 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010629.D

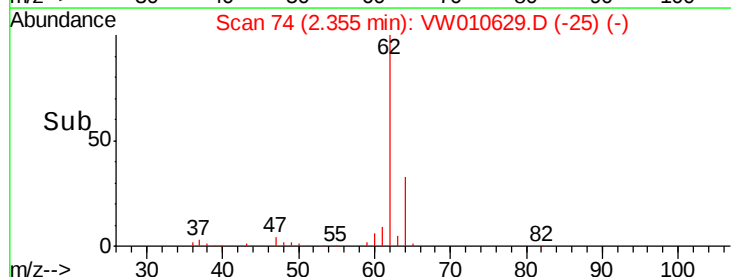
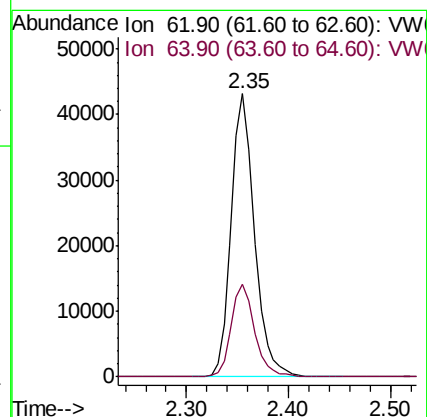
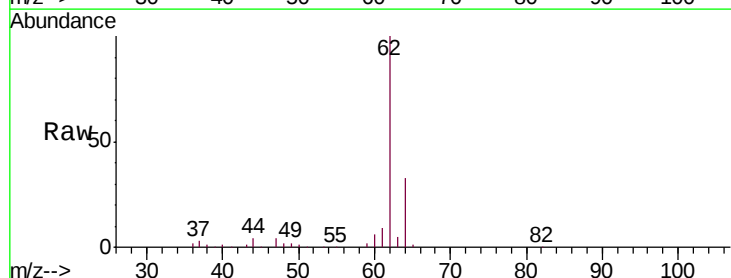
Acq: 31 May 2019 11:29

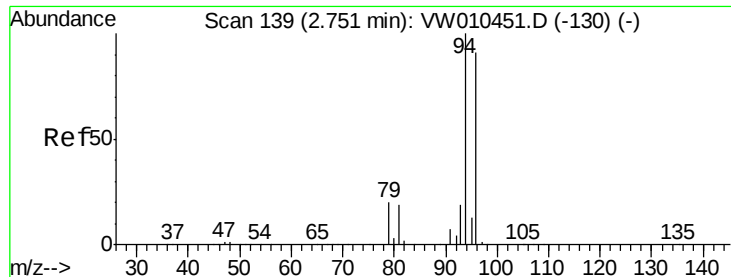
Tgt Ion: 62 Resp: 68245

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 41.607 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

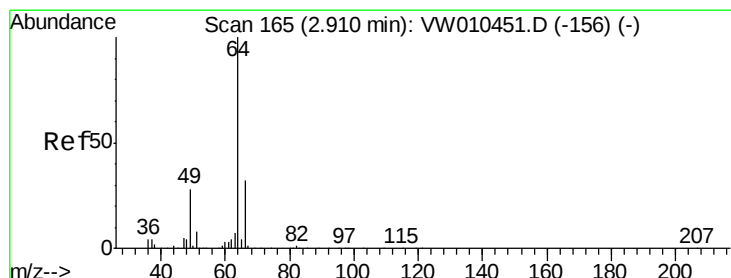
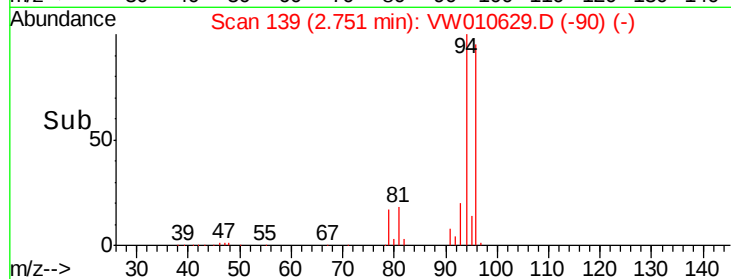
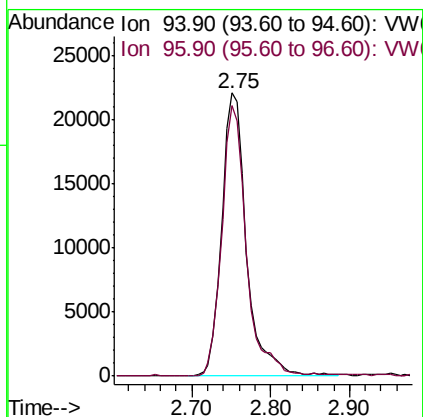
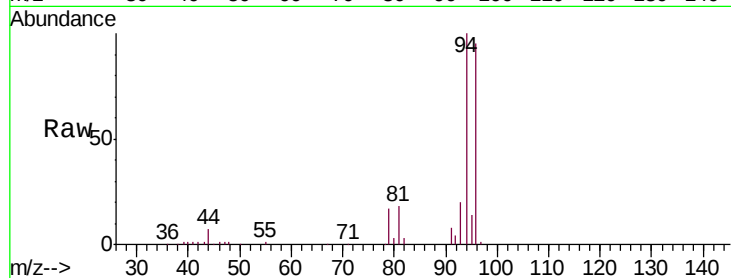
VSTDCCC050

Tgt Ion: 94 Resp: 48497

Ion Ratio Lower Upper

94 100

96 95.4 72.9 109.3



#6

Chloroethane

Concen: 43.931 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010629.D

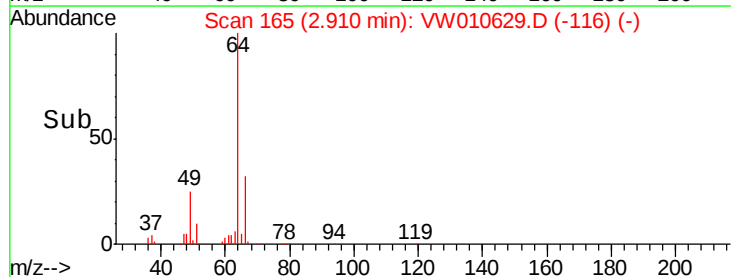
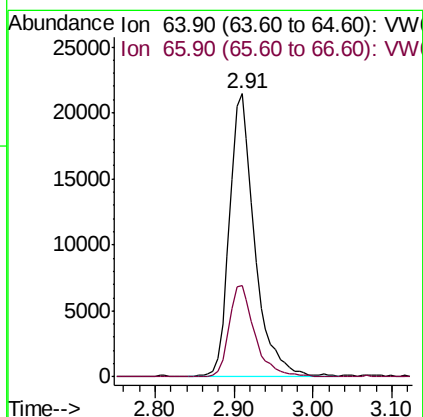
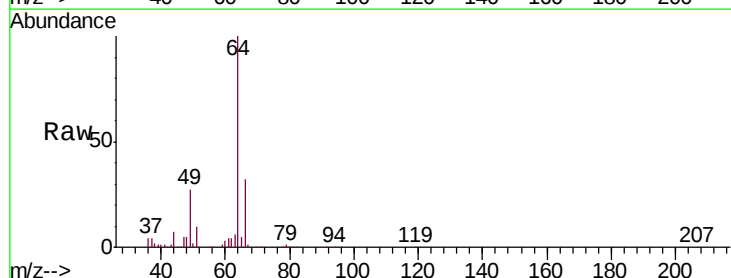
Acq: 31 May 2019 11:29

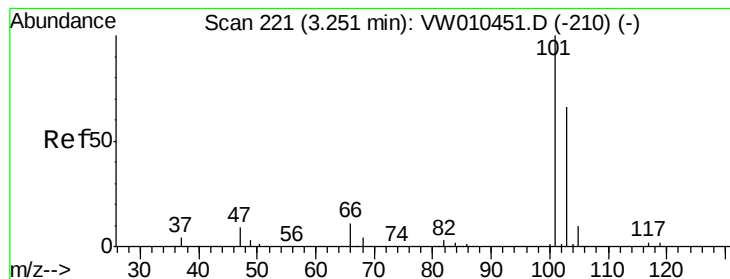
Tgt Ion: 64 Resp: 47782

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



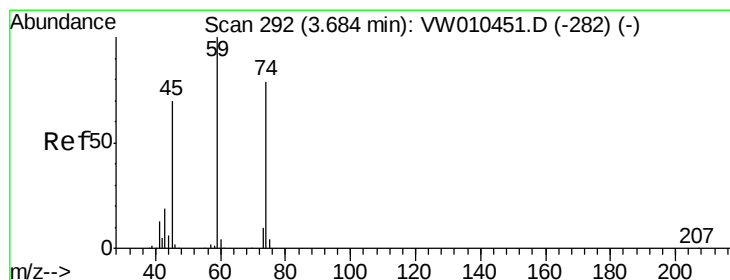
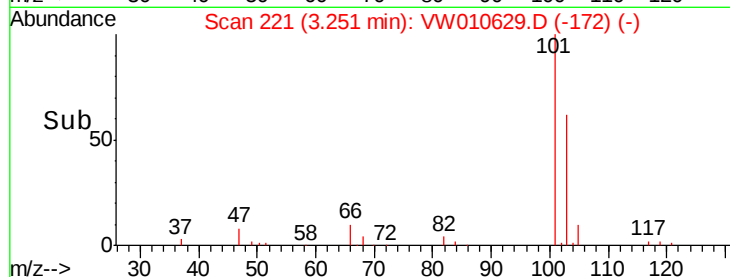
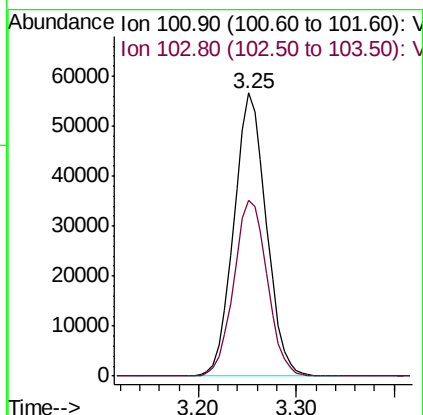
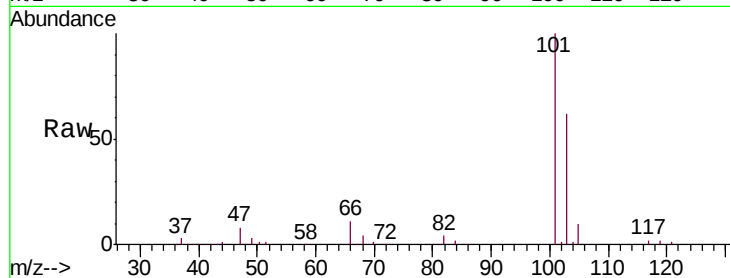


#7

Trichlorofluoromethane
 Concen: 52.012 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010629.D
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 ClientSampleId :
 VSTDCCC050

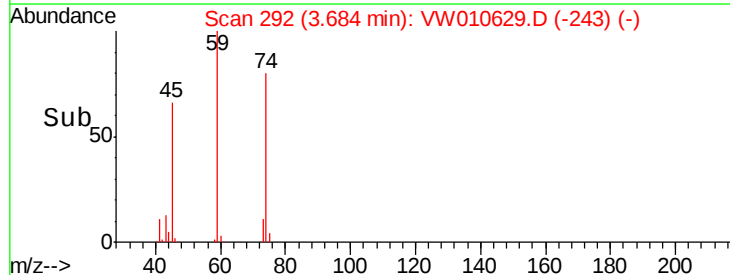
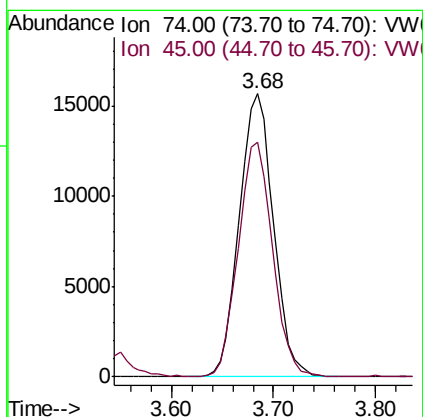
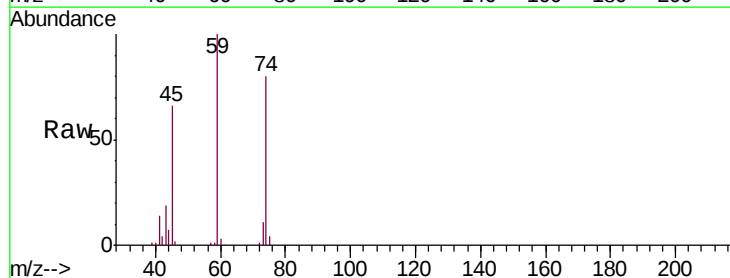
Tgt Ion:101 Resp: 130106
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.0 79.4

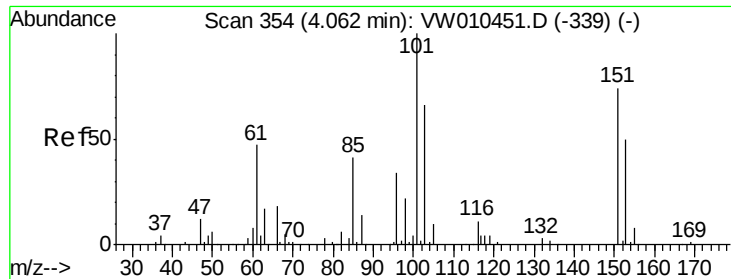


#8

Diethyl Ether
 Concen: 46.043 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 74 Resp: 36509
 Ion Ratio Lower Upper
 74 100
 45 83.1 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.904 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

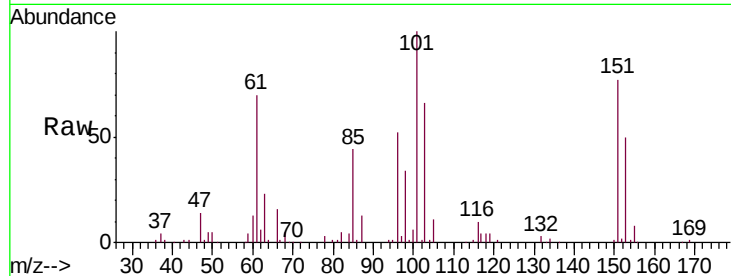
Tgt Ion:101 Resp: 79957

Ion Ratio Lower Upper

101 100

85 42.5 34.3 51.5

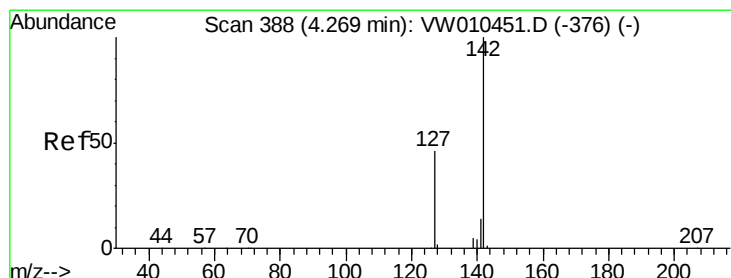
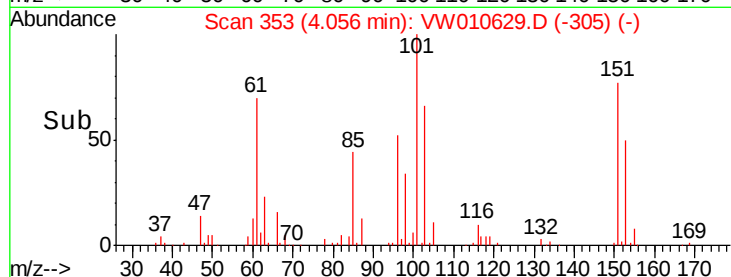
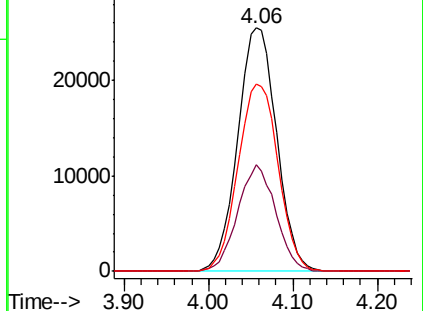
151 79.7 60.3 90.5



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: 48.733 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

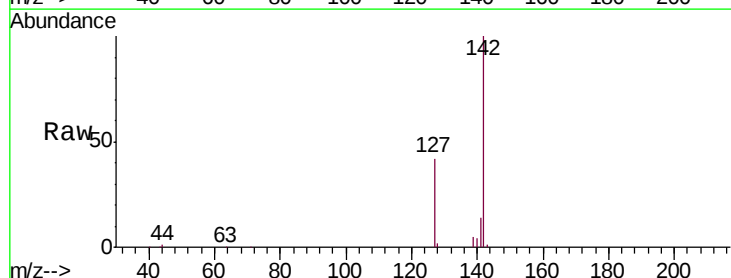
Tgt Ion:142 Resp: 85807

Ion Ratio Lower Upper

142 100

127 43.4 36.1 54.1

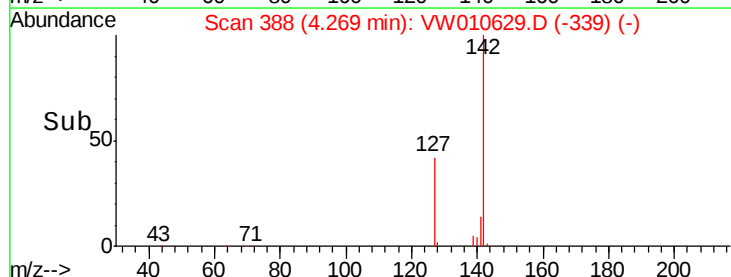
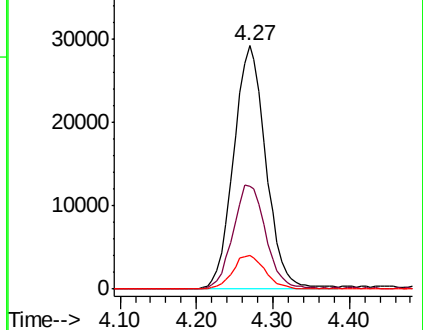
141 14.1 11.3 16.9

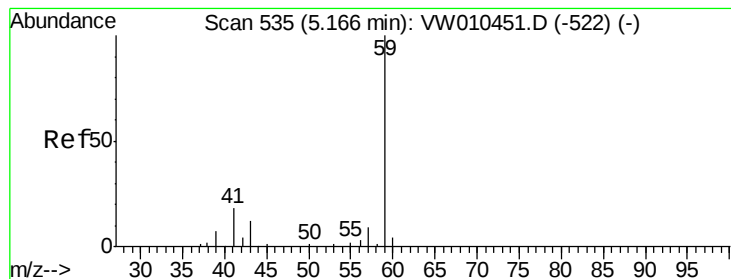


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



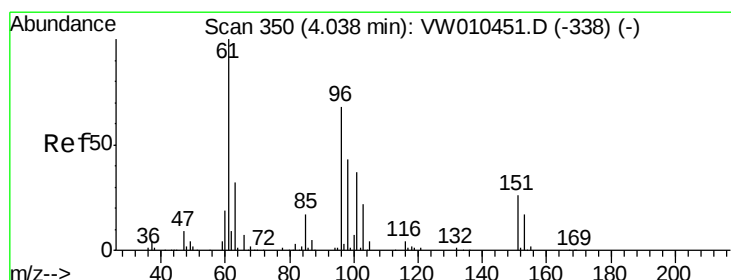
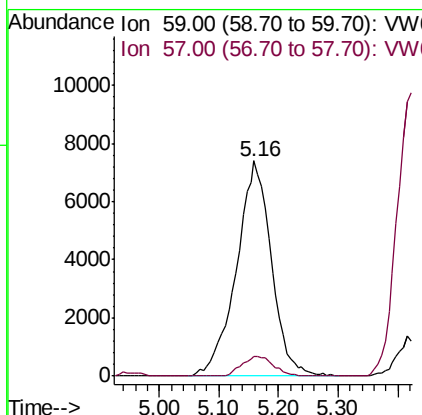
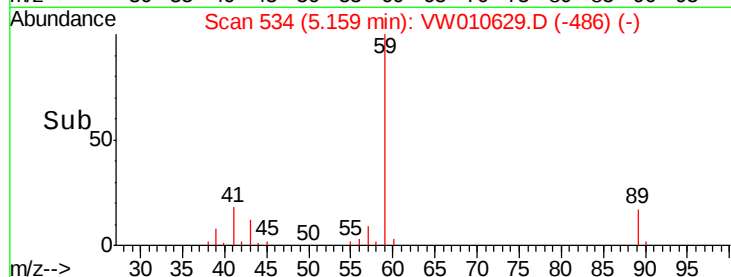
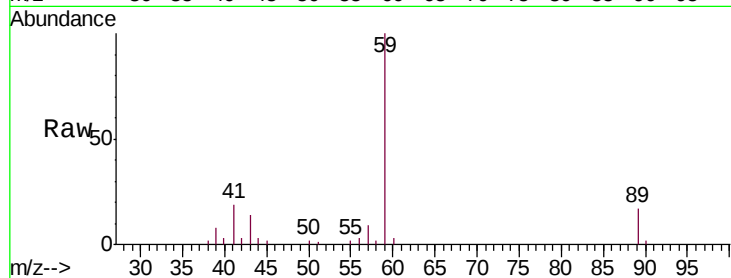


#11

Tert butyl alcohol
 Concen: 233.283 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

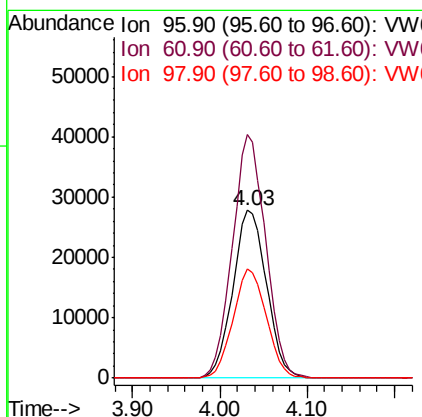
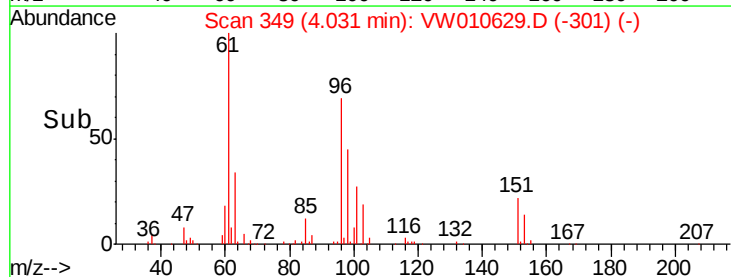
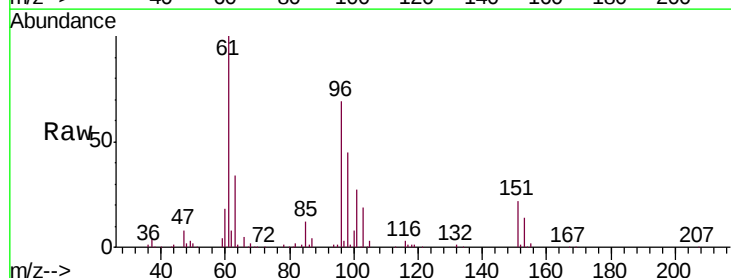
Tgt Ion: 59 Resp: 30153
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.8 13.2#

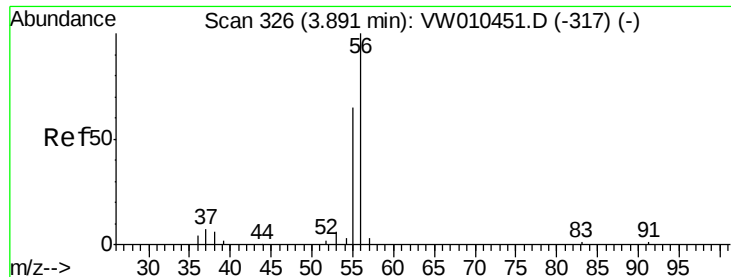


#12

1,1-Dichloroethene
 Concen: 50.502 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 96 Resp: 74264
 Ion Ratio Lower Upper
 96 100
 61 145.2 118.3 177.5
 98 64.8 51.0 76.6

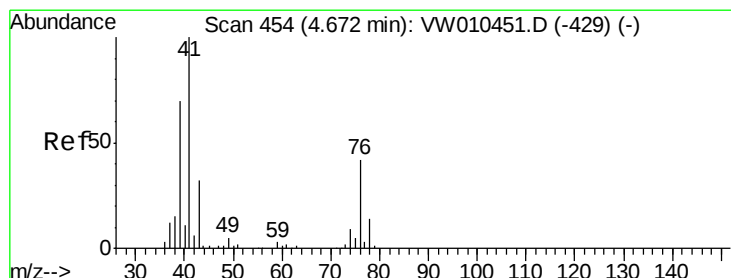
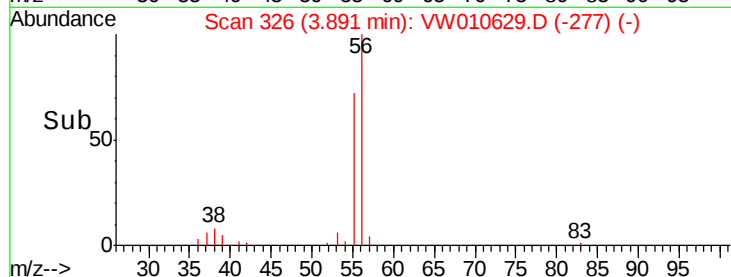
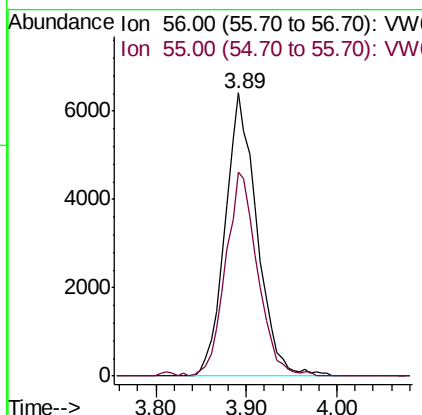
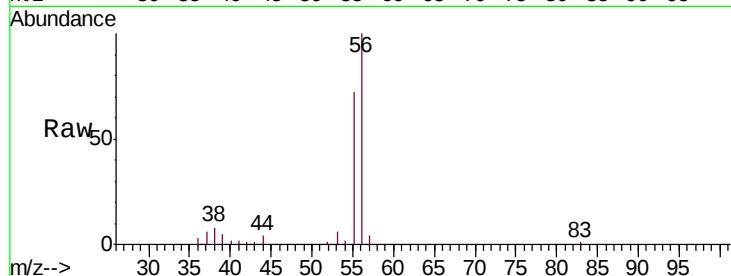




#13
 Acrolein
 Concen: 203.350 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

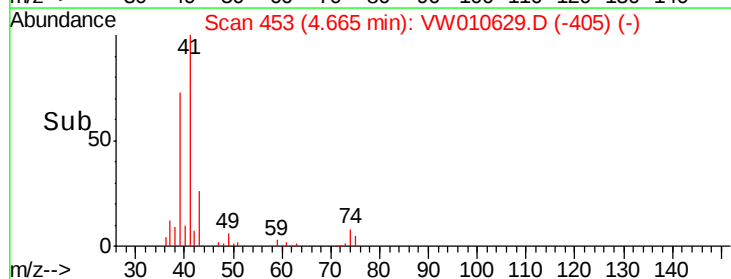
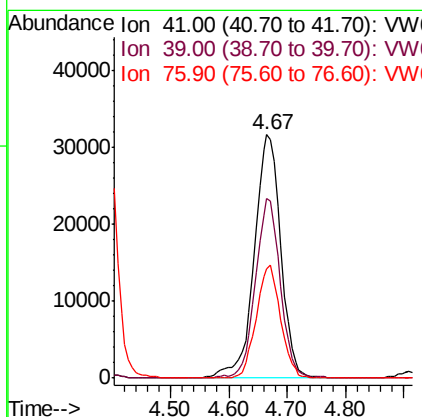
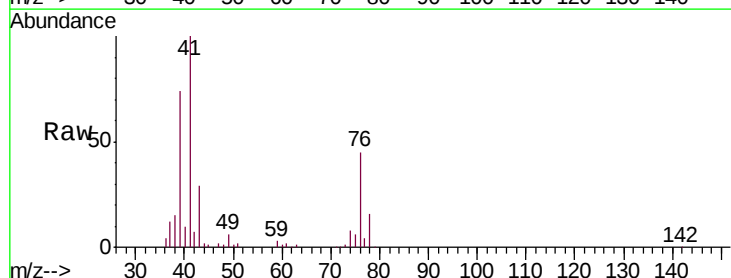
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

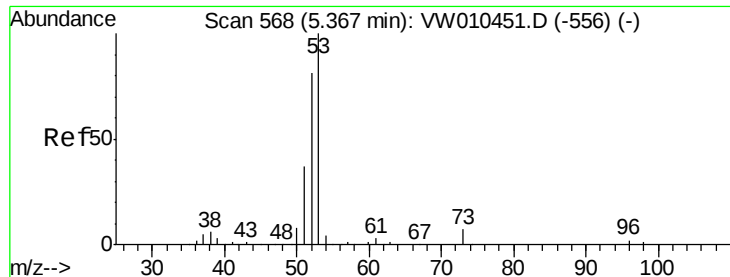
Tgt Ion: 56 Resp: 15629
 Ion Ratio Lower Upper
 56 100
 55 72.7 57.9 86.9



#14
 Allyl chloride
 Concen: 46.828 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 41 Resp: 99677
 Ion Ratio Lower Upper
 41 100
 39 69.1 55.0 82.4
 76 42.6 32.8 49.2





#15

Acrylonitrile

Concen: 210.719 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

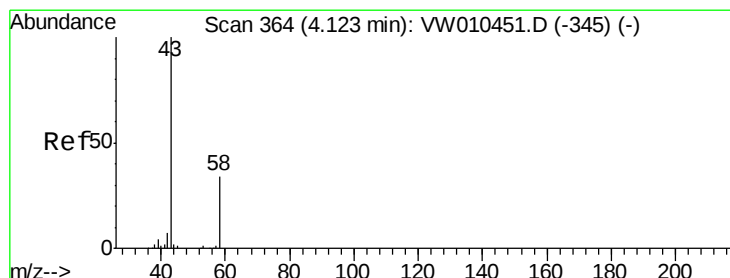
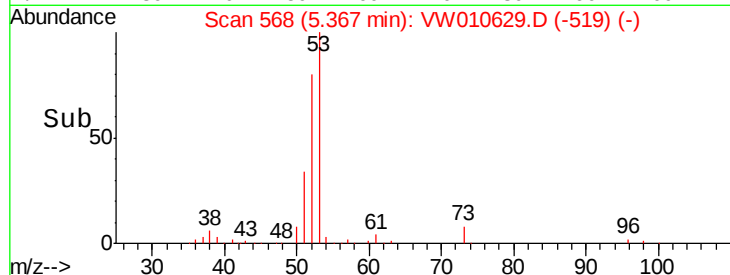
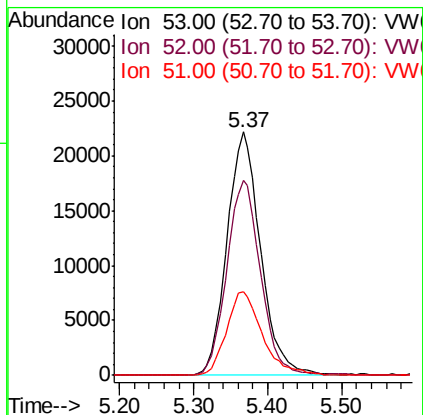
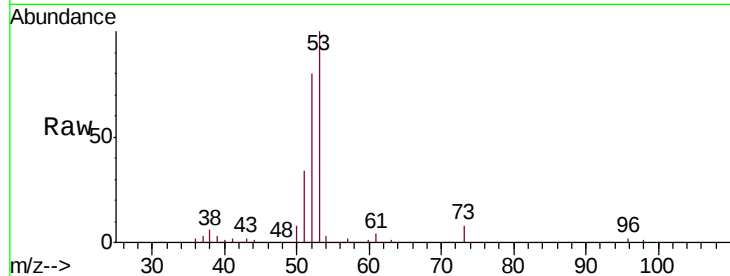
Tgt Ion: 53 Resp: 69976

Ion Ratio Lower Upper

53 100

52 80.3 65.6 98.4

51 36.5 29.5 44.3



#16

Acetone

Concen: 258.224 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010629.D

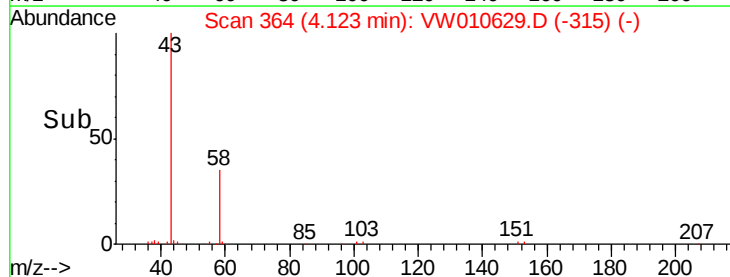
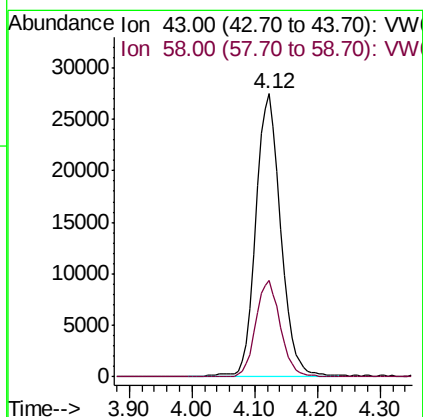
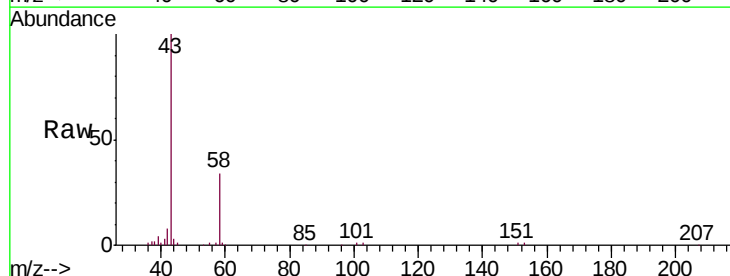
Acq: 31 May 2019 11:29

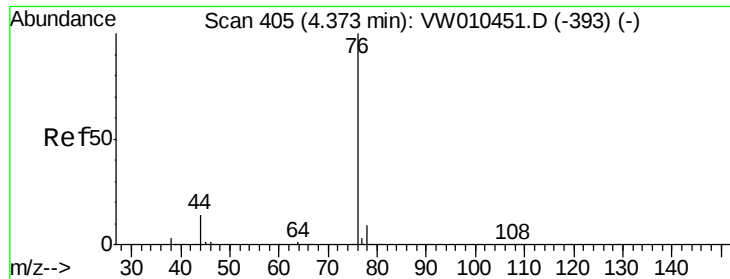
Tgt Ion: 43 Resp: 75742

Ion Ratio Lower Upper

43 100

58 34.2 27.0 40.4

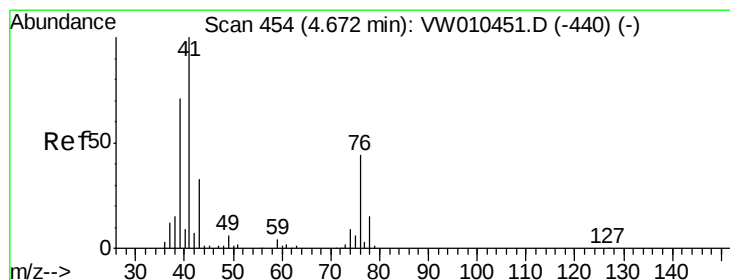
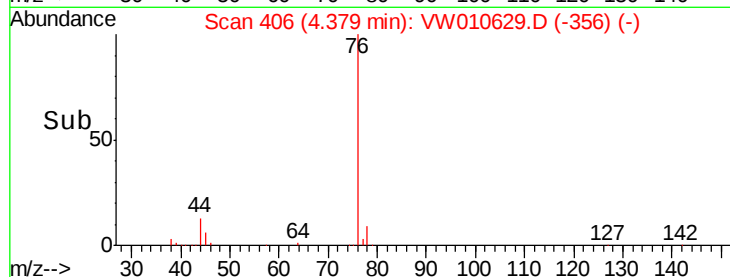
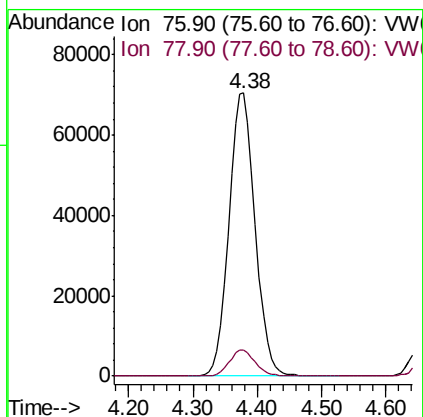
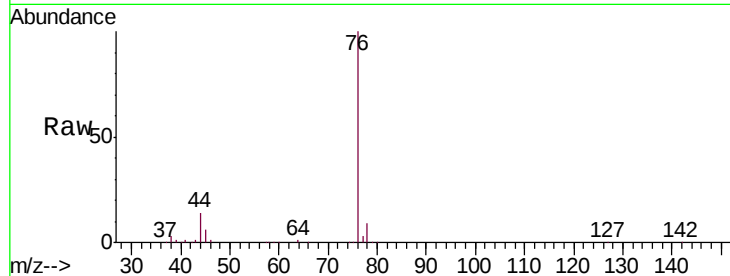




#17
Carbon Disulfide
Concen: 45.487 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

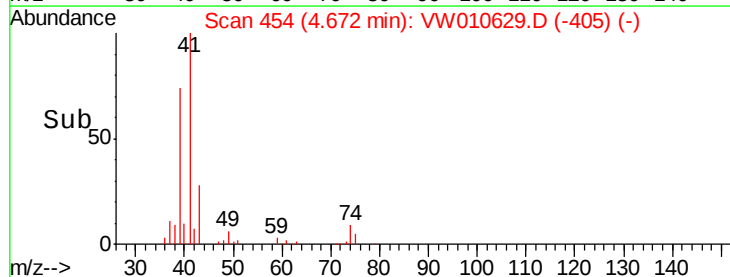
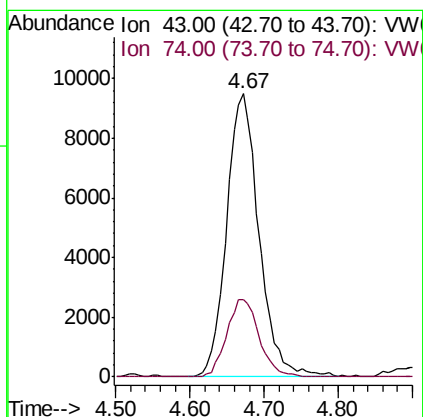
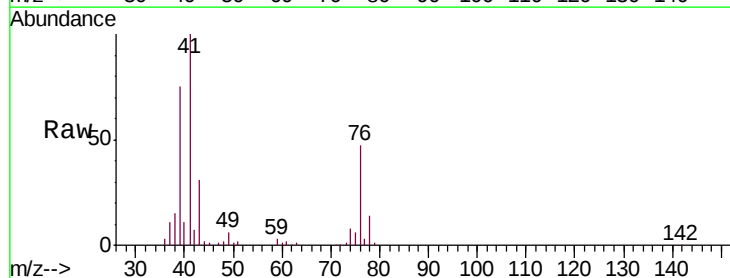
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

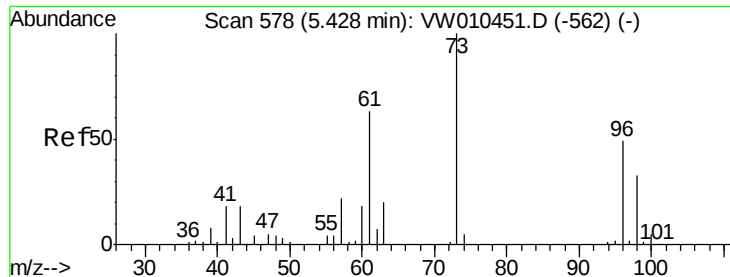
Tgt Ion: 76 Resp: 199513
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 40.191 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 43 Resp: 28832
Ion Ratio Lower Upper
43 100
74 27.3 21.6 32.4



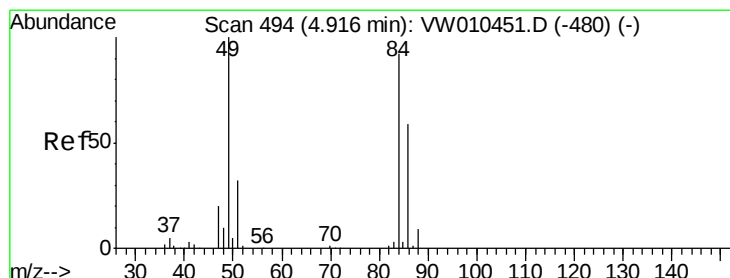
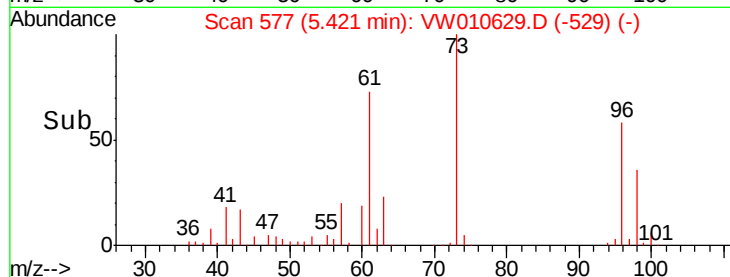
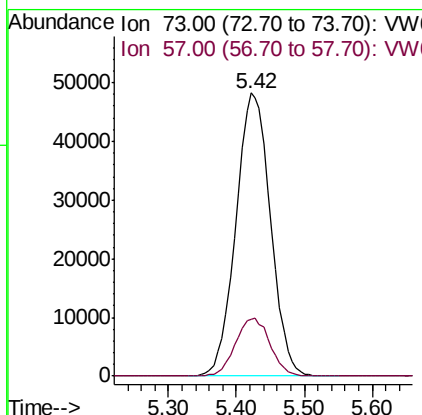
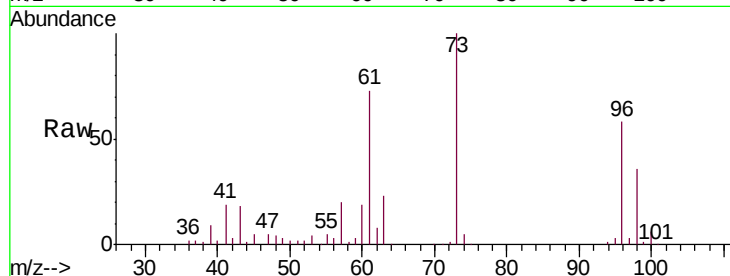


#19

Methyl tert-butyl Ether
 Concen: 45.362 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

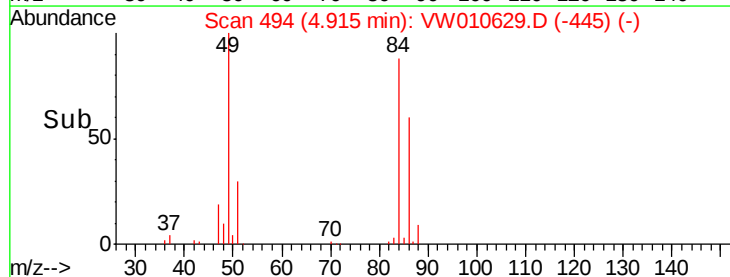
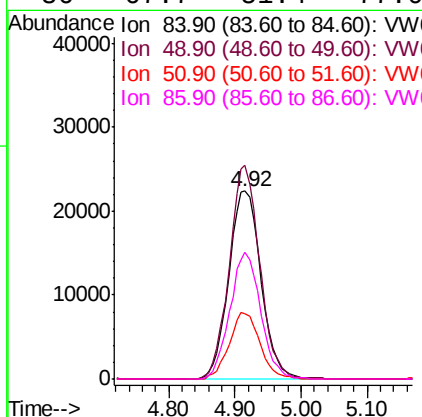
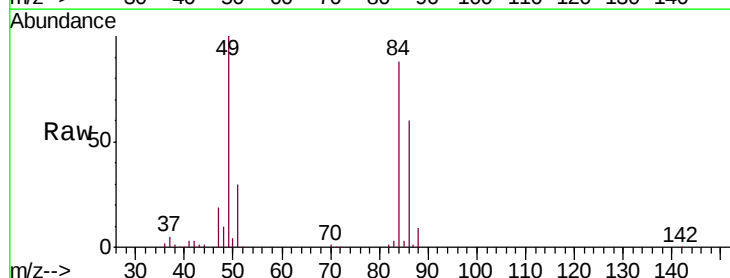
Tgt Ion: 73 Resp: 170054
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.4 26.0

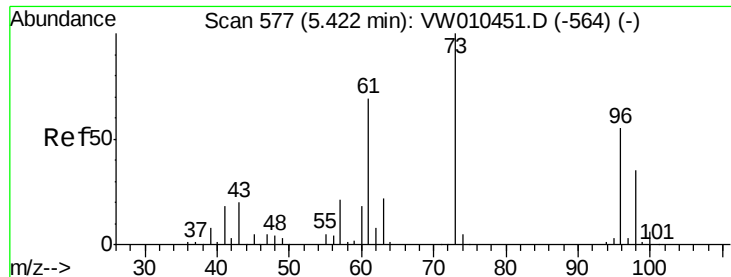


#20

Methylene Chloride
 Concen: 43.370 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 84 Resp: 75800
 Ion Ratio Lower Upper
 84 100
 49 113.7 87.2 130.8
 51 34.5 27.7 41.5
 86 67.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.952 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

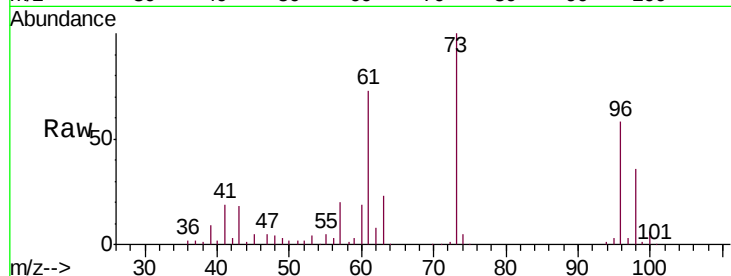
Tgt Ion: 96 Resp: 84255

Ion Ratio Lower Upper

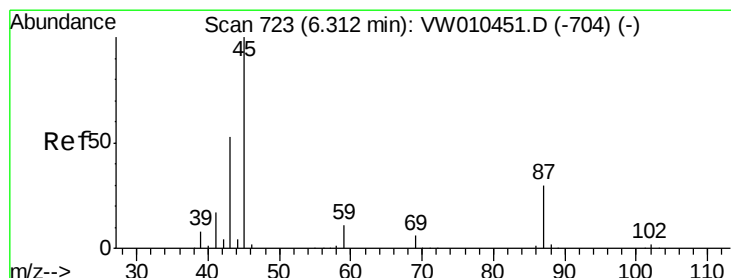
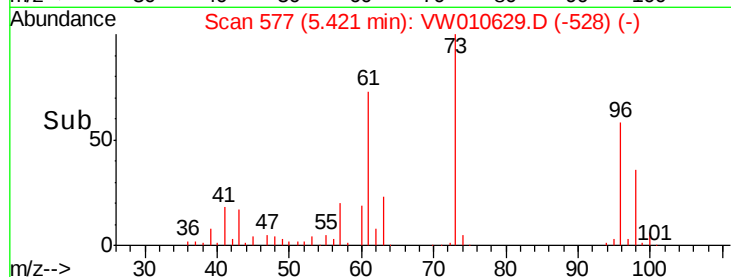
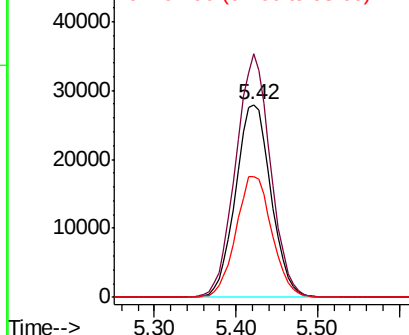
96 100

61 126.2 101.4 152.0

98 62.6 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: 46.410 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion: 45 Resp: 202558

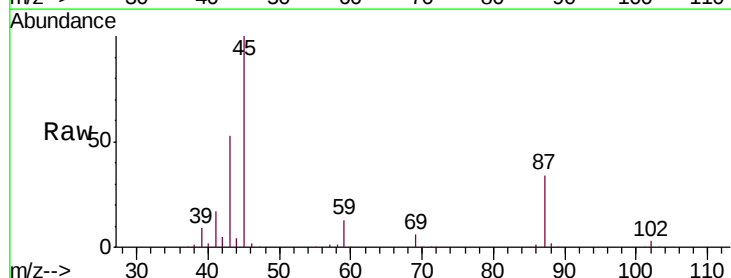
Ion Ratio Lower Upper

45 100

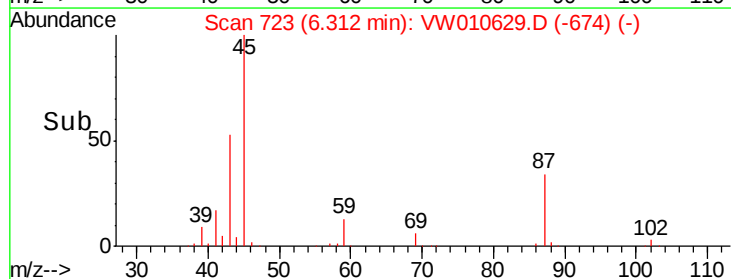
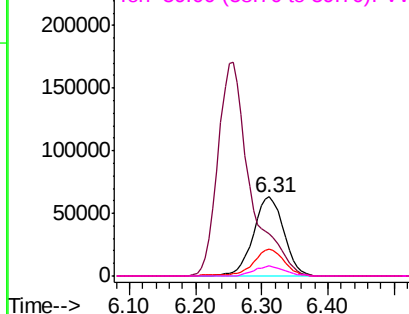
43 53.1 42.9 64.3

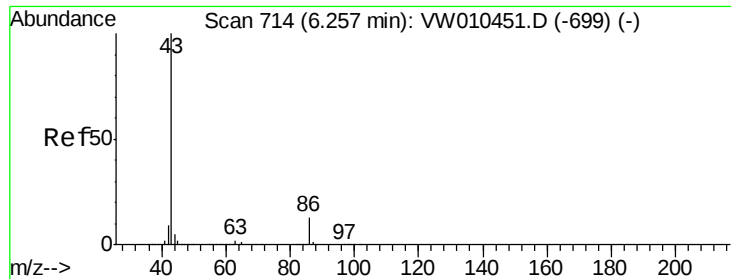
87 34.3 24.6 36.8

59 12.5 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: 221.376 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

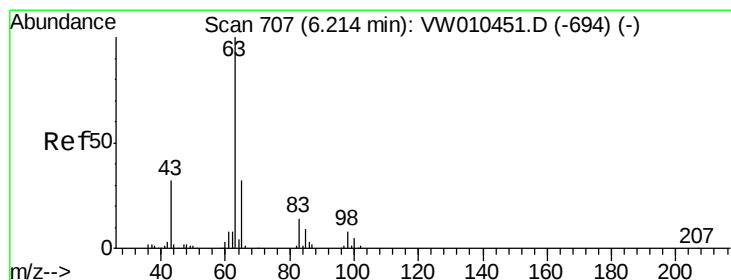
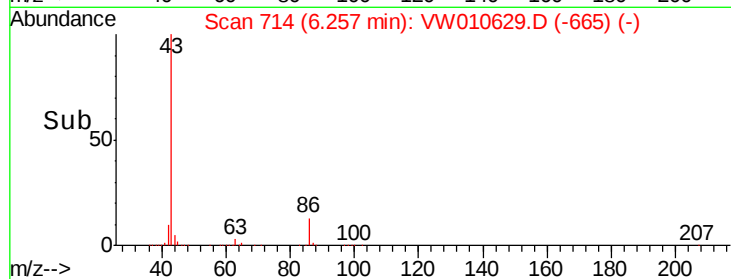
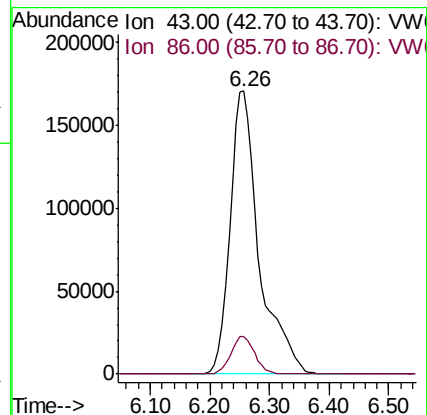
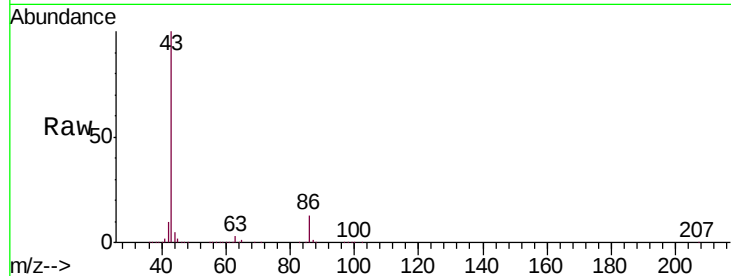
VSTDCCC050

Tgt Ion: 43 Resp: 577159

Ion Ratio Lower Upper

43 100

86 13.2 10.3 15.5



#24

1,1-Dichloroethane

Concen: 49.621 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

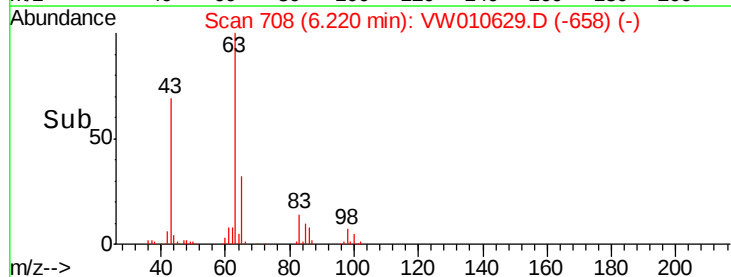
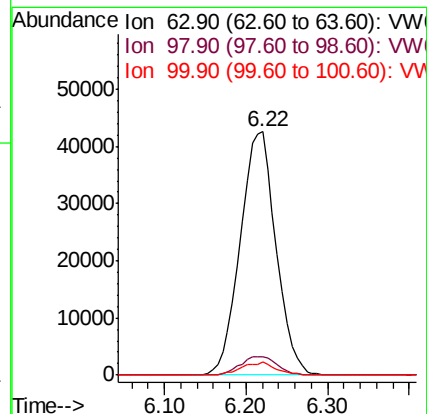
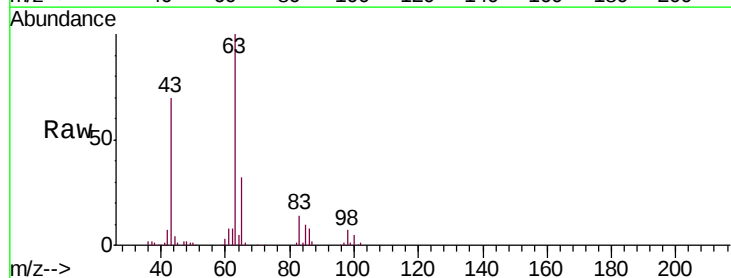
Tgt Ion: 63 Resp: 129243

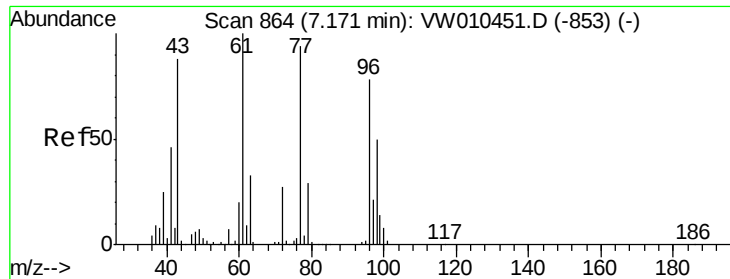
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 5.5 2.5 7.4





#25

2-Butanone

Concen: 223.822 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

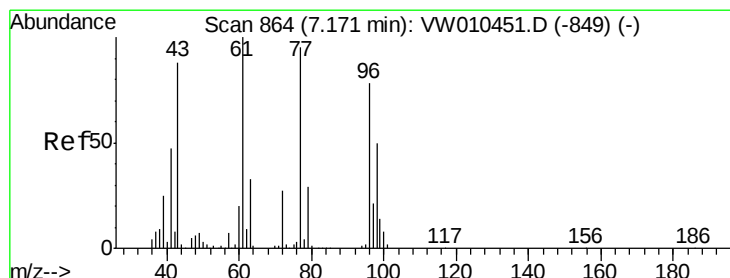
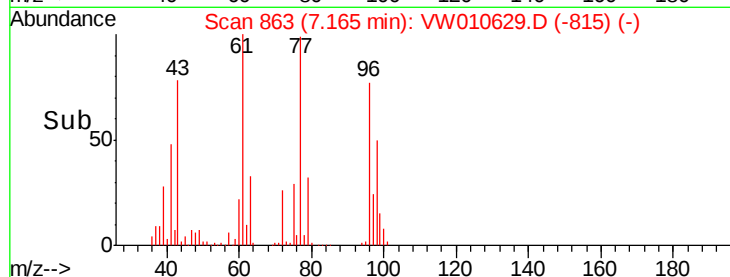
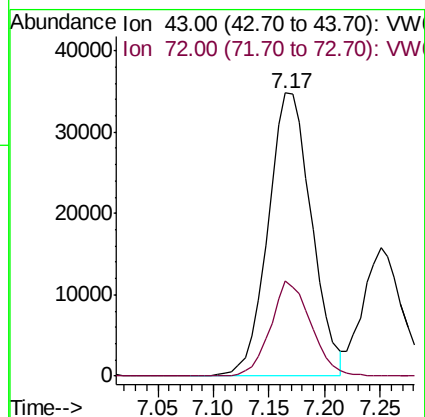
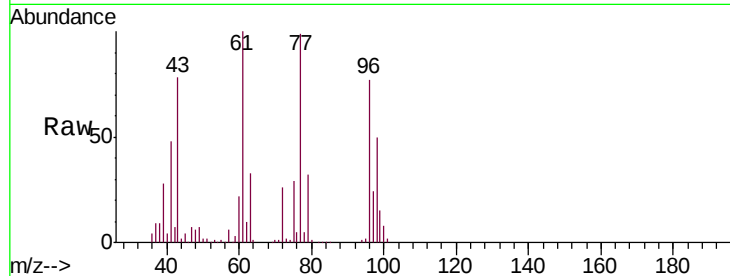
VSTDCCC050

Tgt Ion: 43 Resp: 93953

Ion Ratio Lower Upper

43 100

72 33.7 24.1 36.1



#26

2,2-Dichloropropane

Concen: 52.827 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010629.D

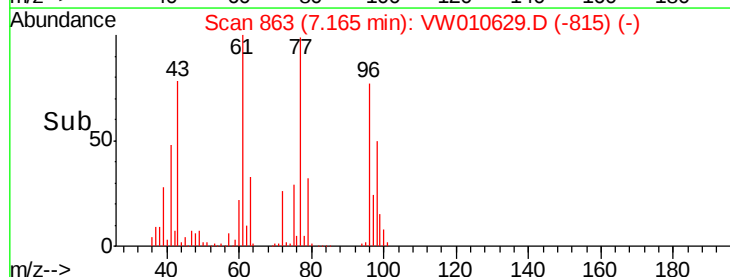
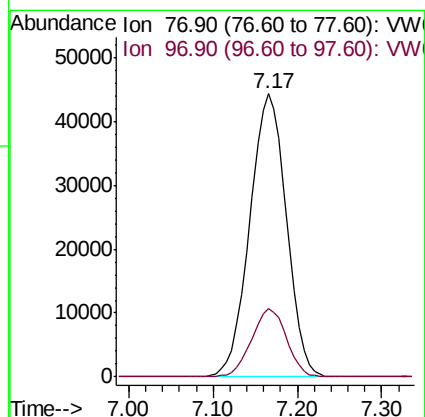
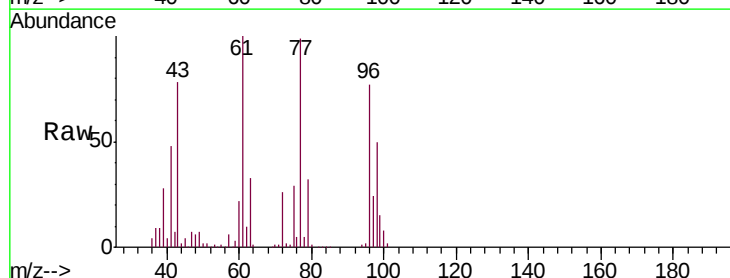
Acq: 31 May 2019 11:29

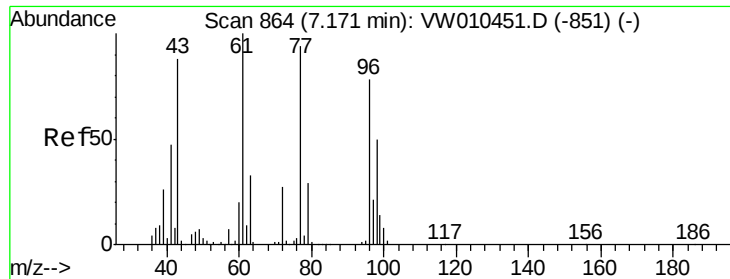
Tgt Ion: 77 Resp: 131063

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



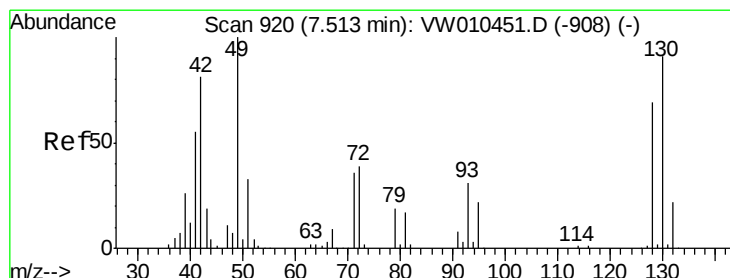
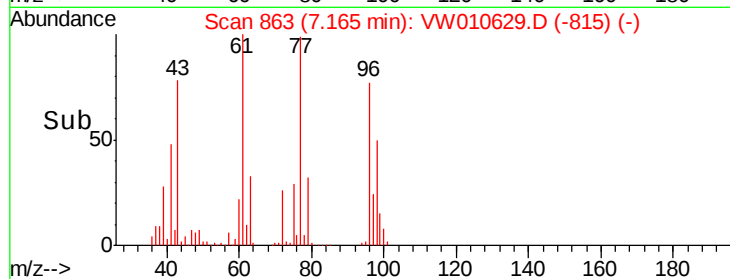
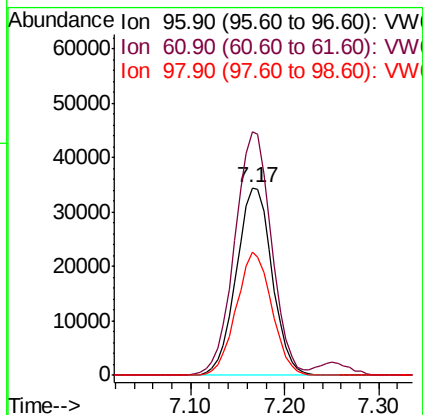
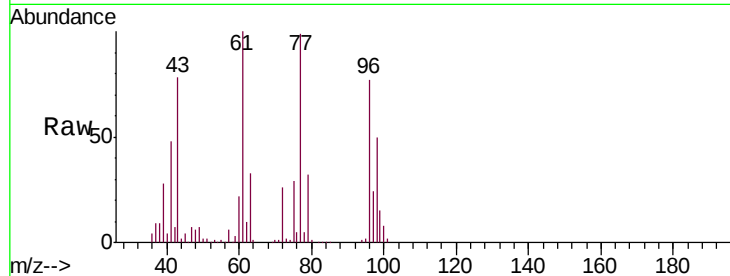


#27

cis-1,2-Dichloroethene
Concen: 49.971 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

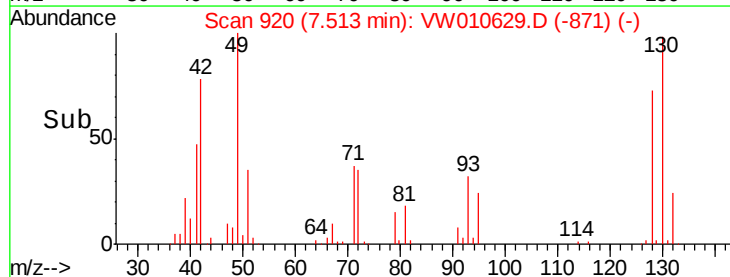
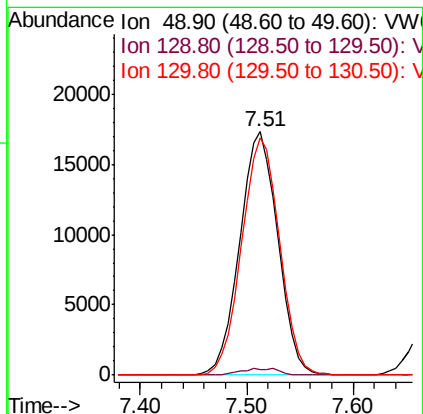
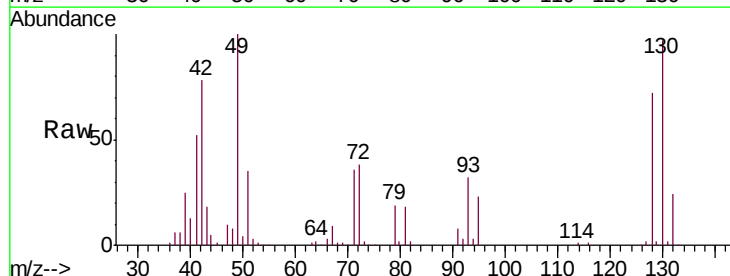
Tgt Ion: 96 Resp: 91636
Ion Ratio Lower Upper
96 100
61 133.0 0.0 265.4
98 65.1 0.0 129.4

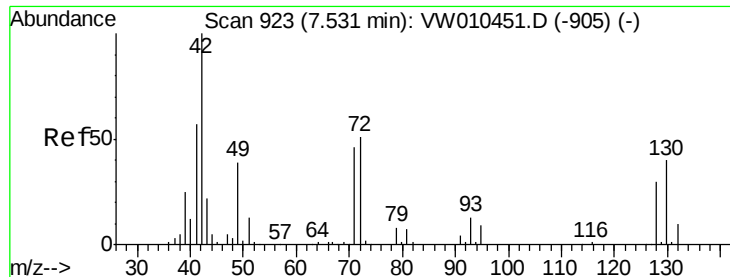


#28

Bromochloromethane
Concen: 46.705 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 49 Resp: 43554
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 97.0 71.2 106.8

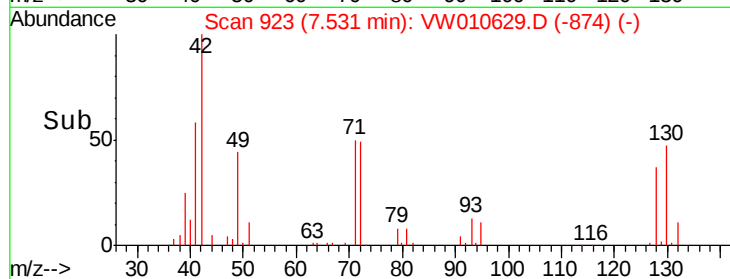
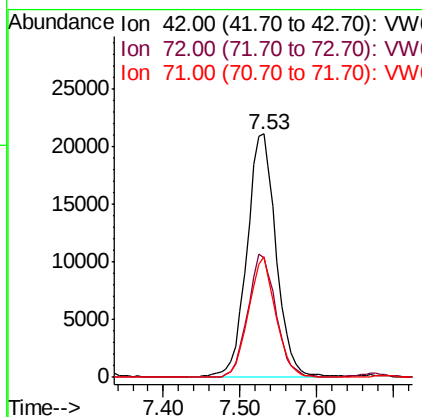
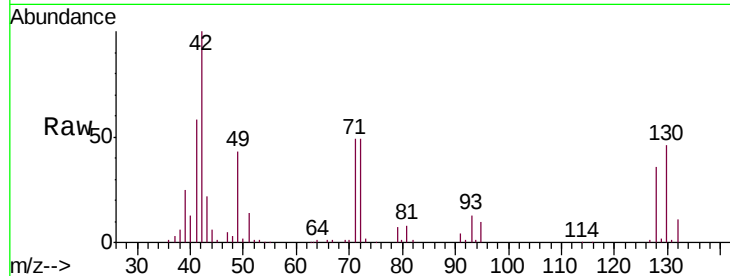




#29
Tetrahydrofuran
Concen: 197.126 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

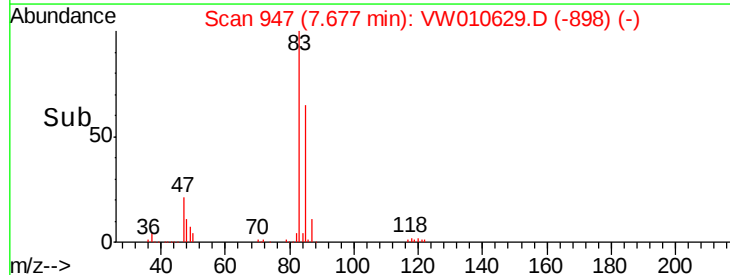
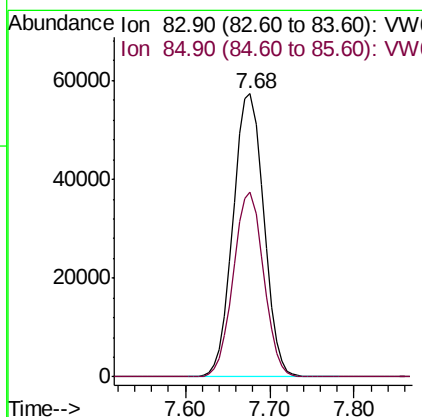
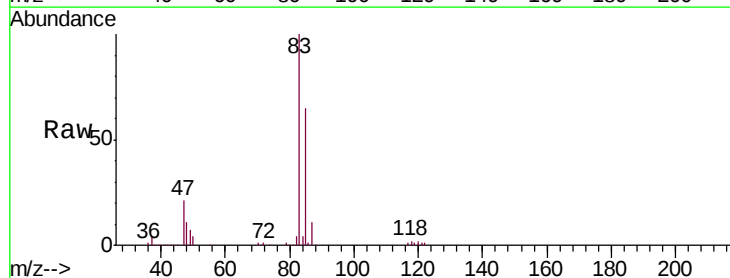
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

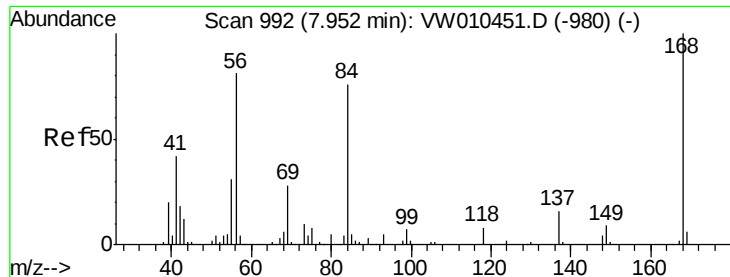
Tgt Ion: 42 Resp: 55993
Ion Ratio Lower Upper
42 100
72 48.7 38.5 57.7
71 46.4 36.5 54.7



#30
Chloroform
Concen: 50.383 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 83 Resp: 141547
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4

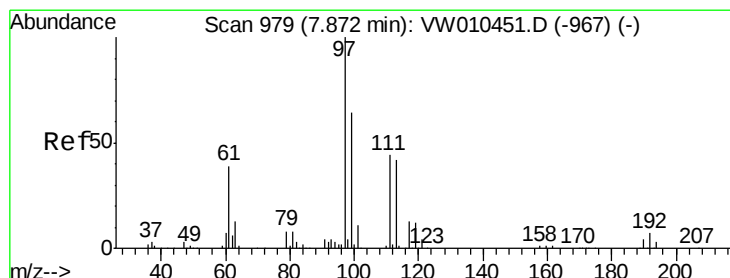
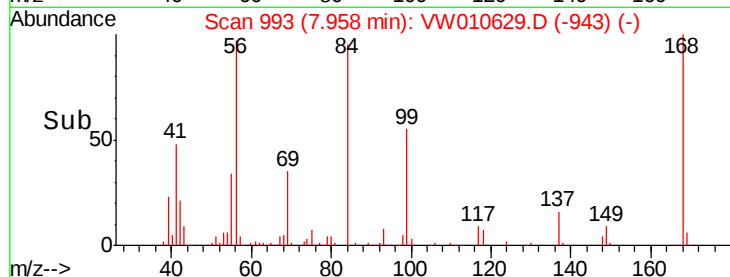
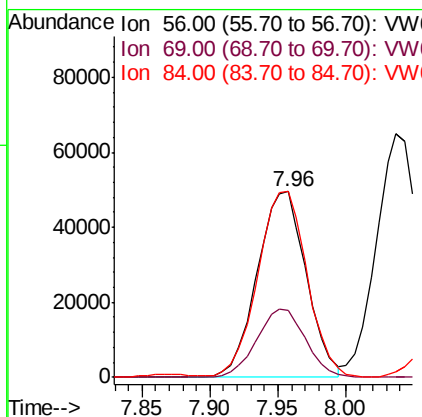
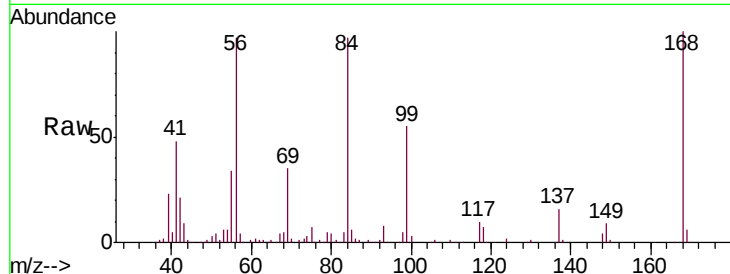




#31
Cyclohexane
Concen: 45.749 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

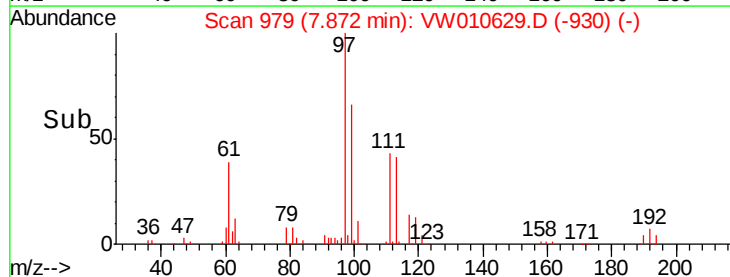
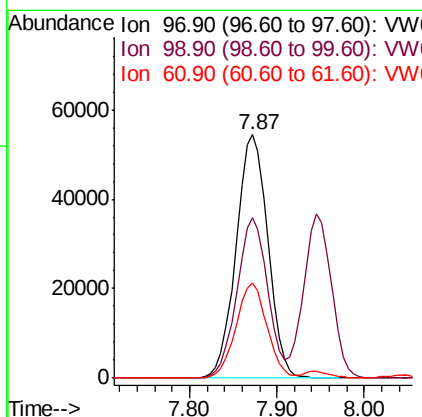
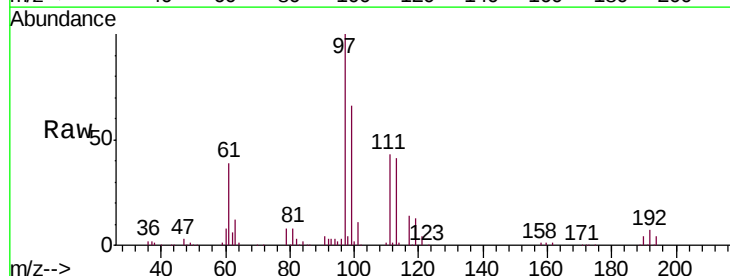
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

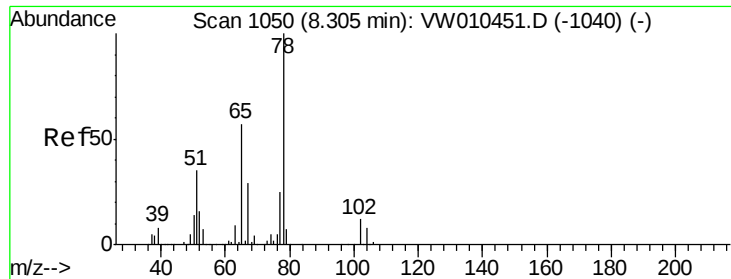
Tgt Ion: 56 Resp: 124815
Ion Ratio Lower Upper
56 100
69 36.1 28.2 42.2
84 99.1 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 51.120 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 97 Resp: 137267
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 38.2 32.1 48.1

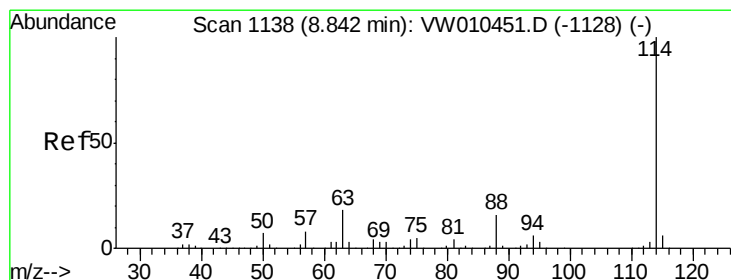
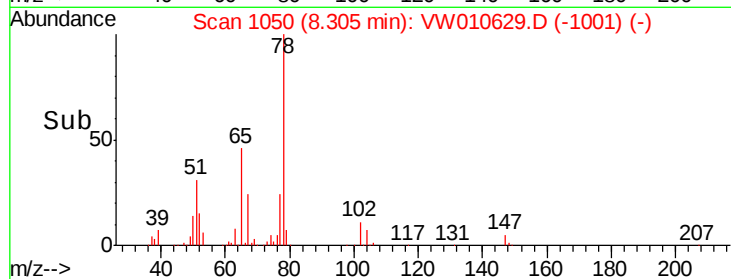
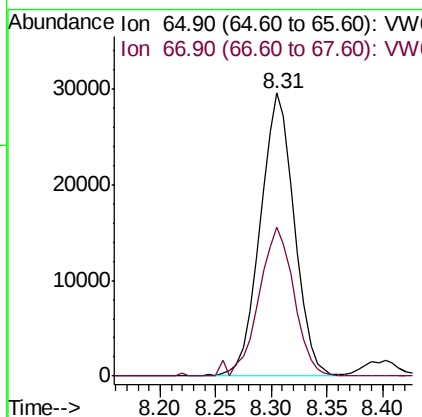
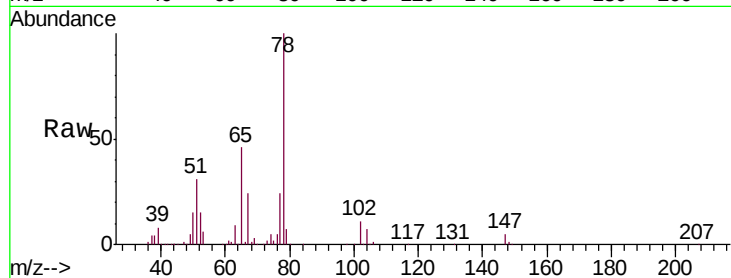




#33
 1,2-Dichloroethane-d4
 Concen: 43.912 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

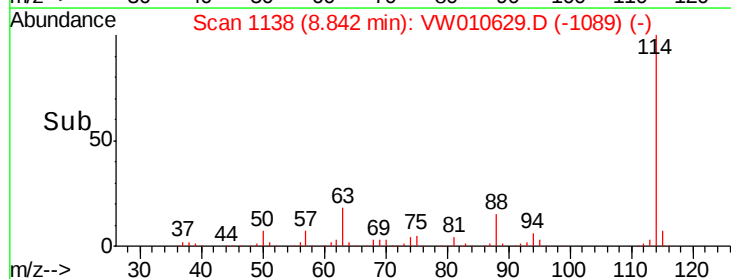
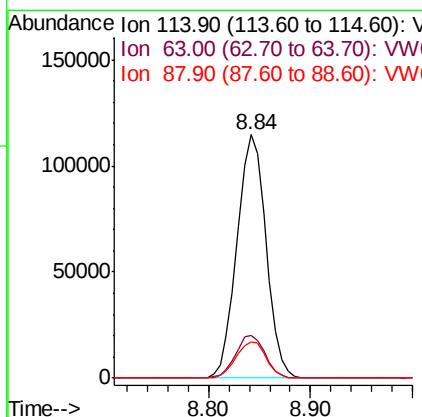
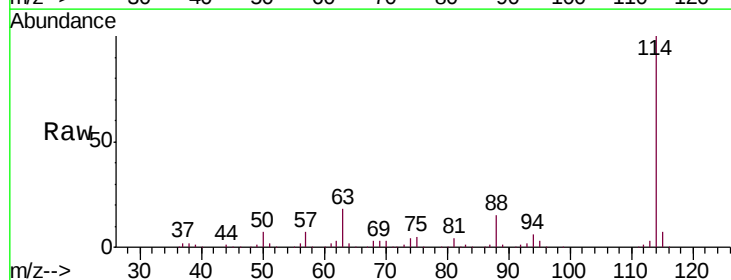
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

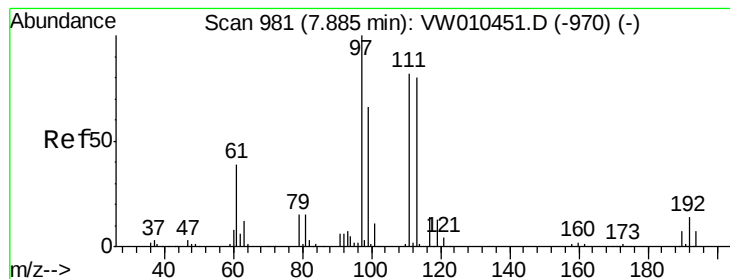
Tgt Ion: 65 Resp: 63100
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 114 Resp: 226658
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.995 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

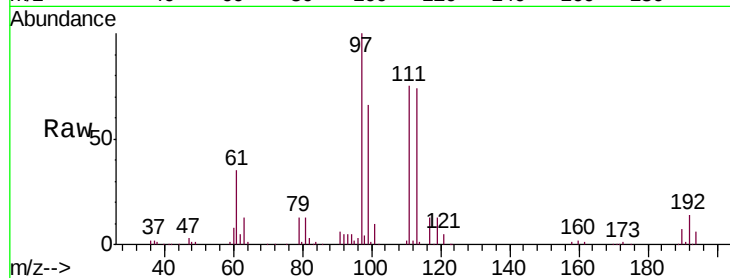
Tgt Ion:113 Resp: 68759

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

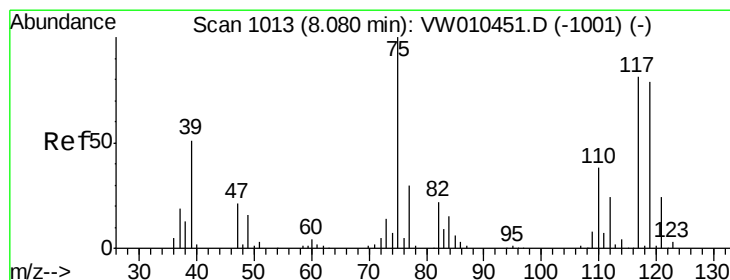
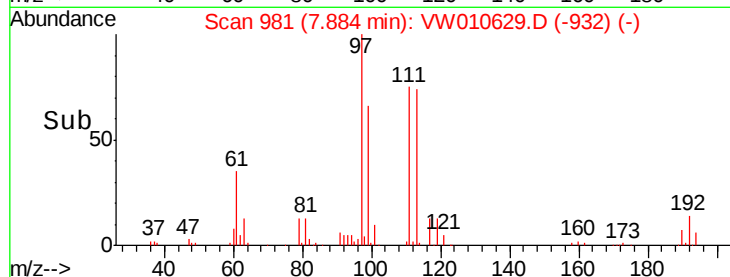
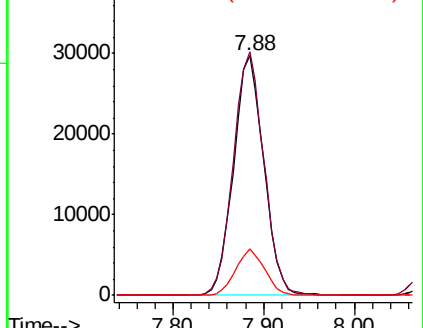
192 18.4 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.388 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

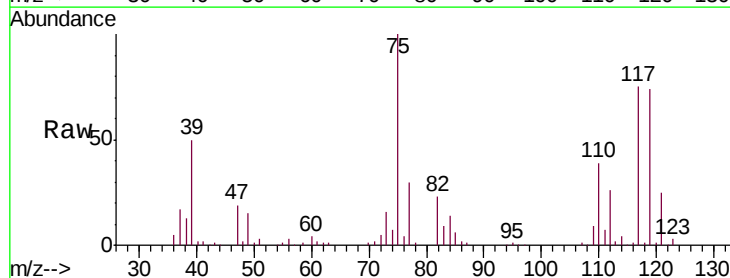
Tgt Ion: 75 Resp: 112726

Ion Ratio Lower Upper

75 100

110 39.0 19.2 57.6

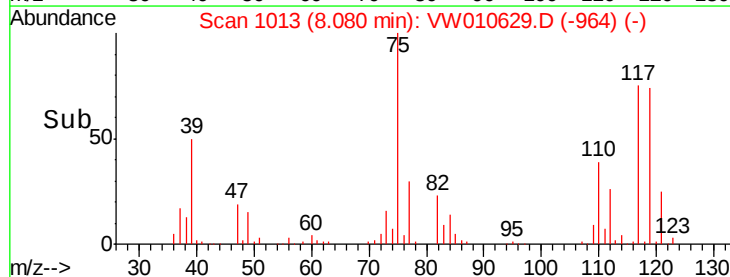
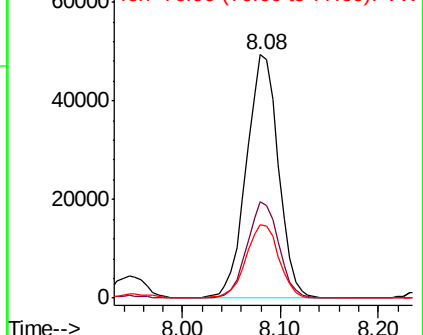
77 30.9 25.2 37.8

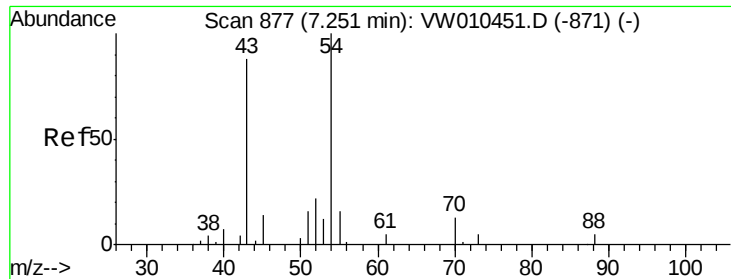


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

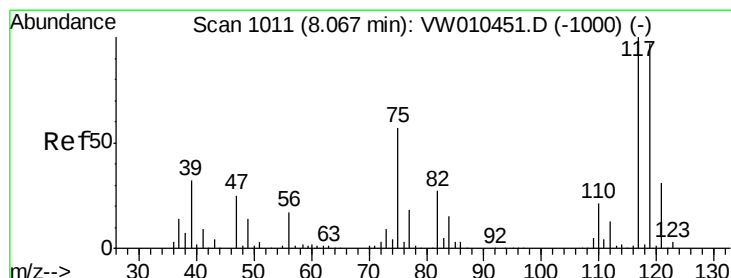
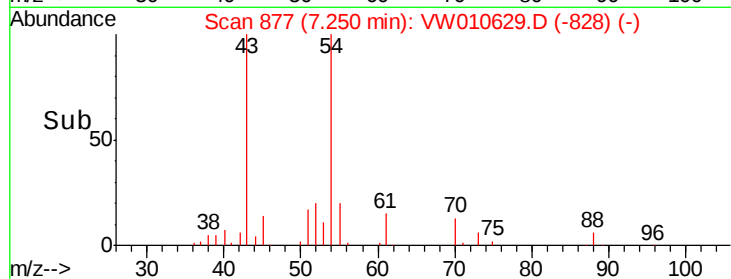
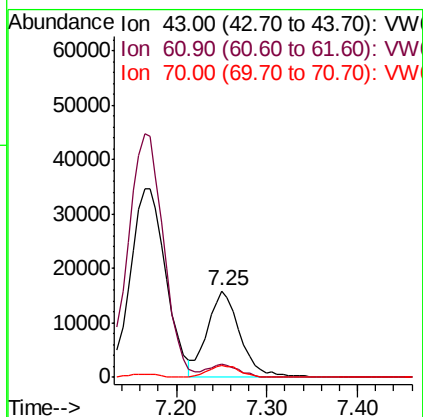
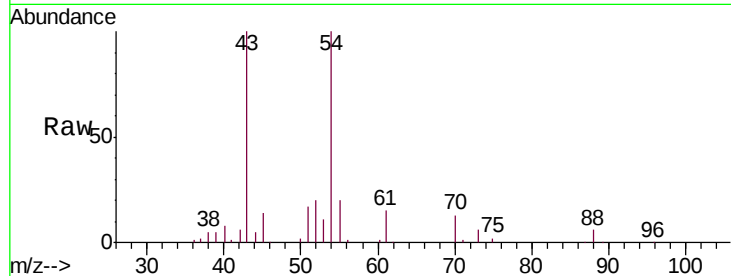




#37
Ethyl Acetate
Concen: 44.189 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

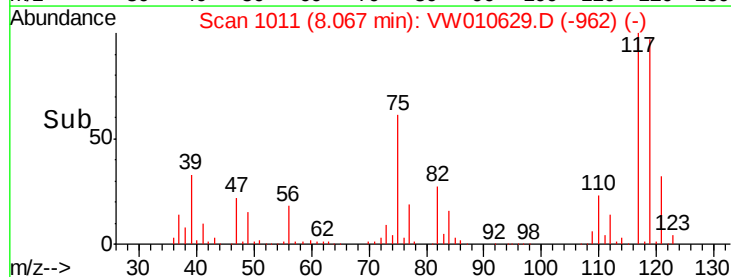
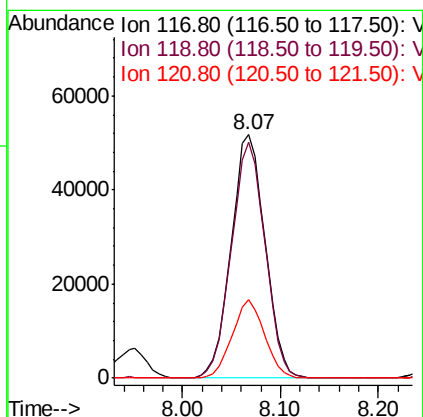
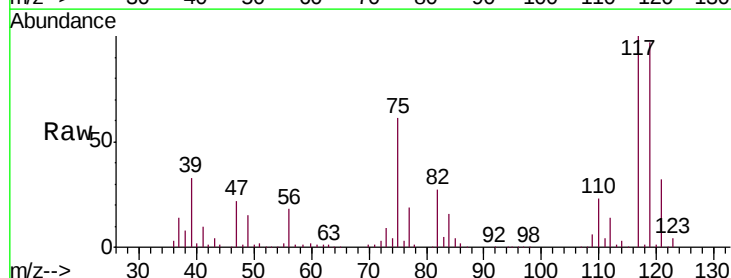
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

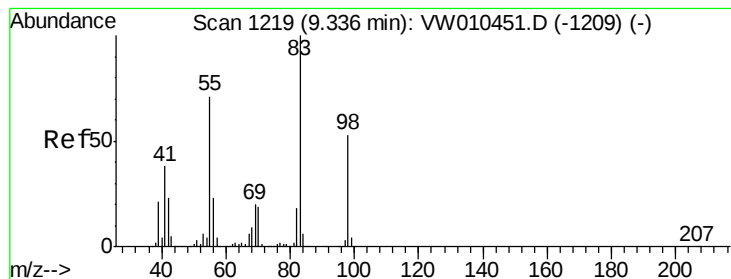
Tgt Ion: 43 Resp: 39676
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 13.3 9.9 14.9



#38
Carbon Tetrachloride
Concen: 54.686 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 117 Resp: 124557
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
121 32.1 25.0 37.6





#39

Methylcyclohexane

Concen: 53.204 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

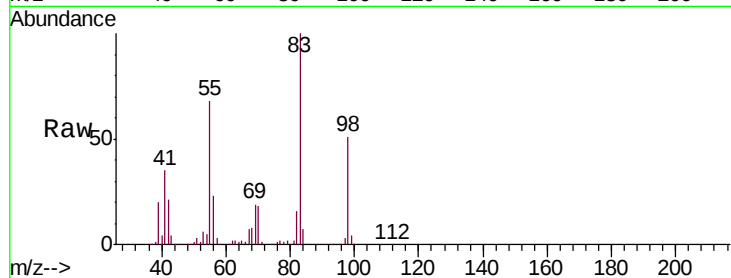
Tgt Ion: 83 Resp: 150505

Ion Ratio Lower Upper

83 100

55 67.8 57.0 85.6

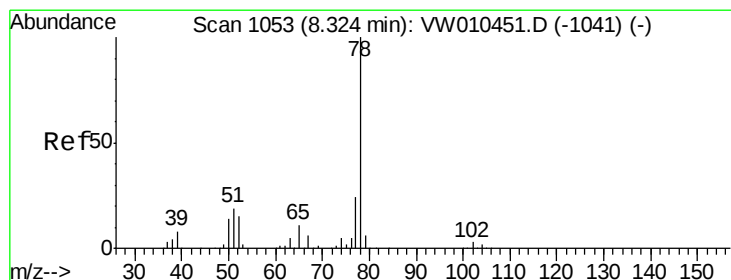
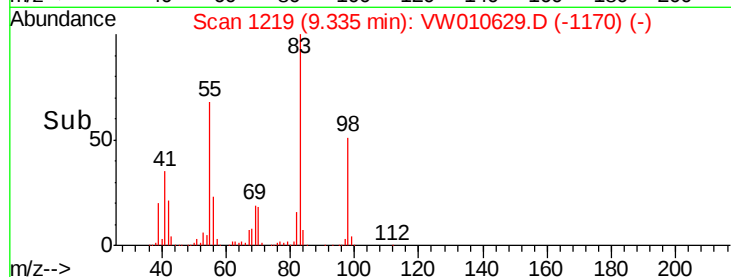
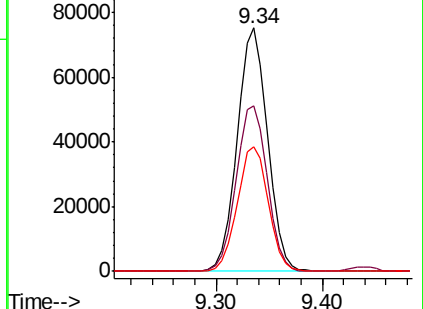
98 51.3 42.0 63.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 53.104 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010629.D

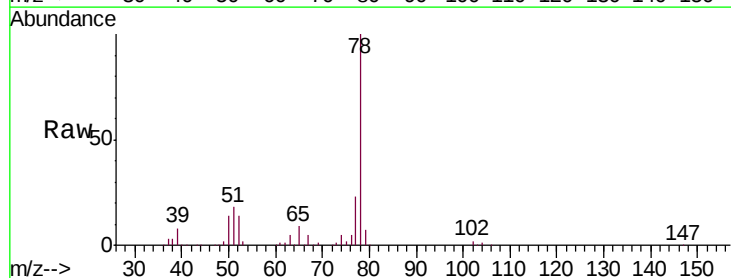
Acq: 31 May 2019 11:29

Tgt Ion: 78 Resp: 311646

Ion Ratio Lower Upper

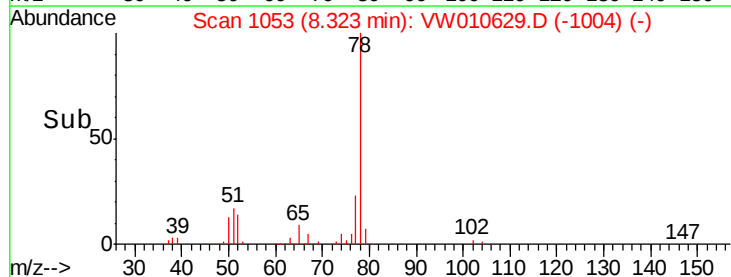
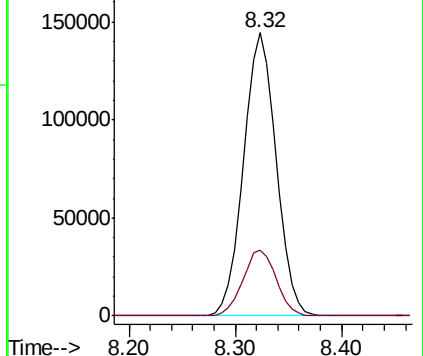
78 100

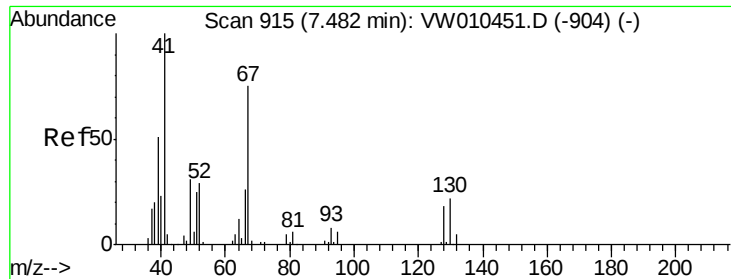
77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

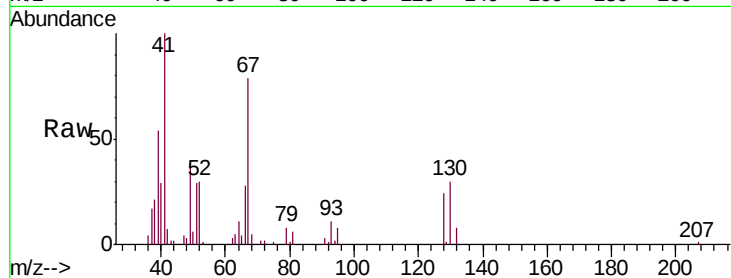




#41
Methacrylonitrile
Concen: 43.065 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	22975
Ion	Ratio	Lower	Upper
41	100		
39	60.1	47.4	71.2
67	80.5	65.5	98.3
52	31.2	25.0	37.4



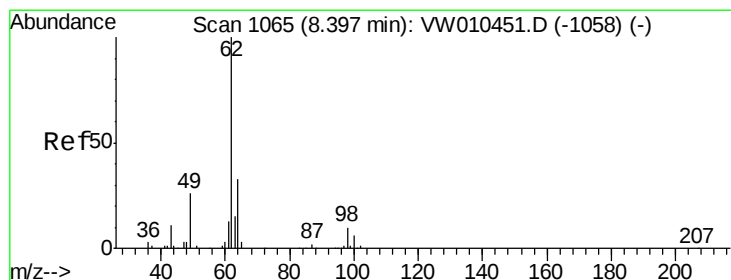
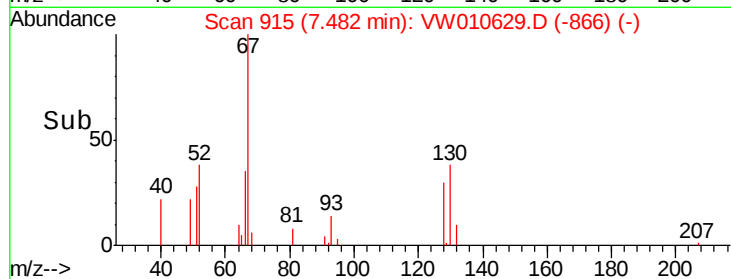
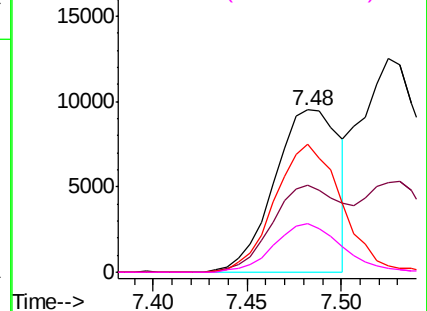
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

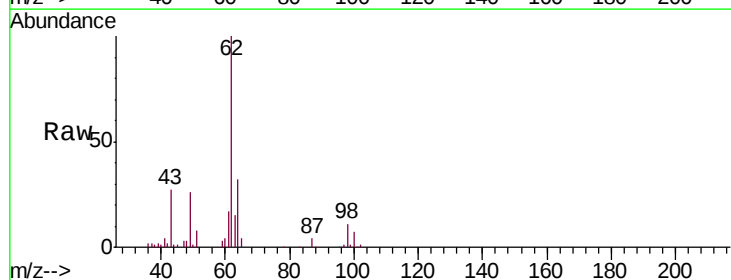
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 50.261 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

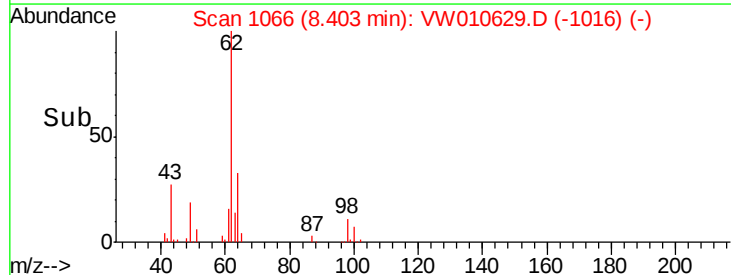
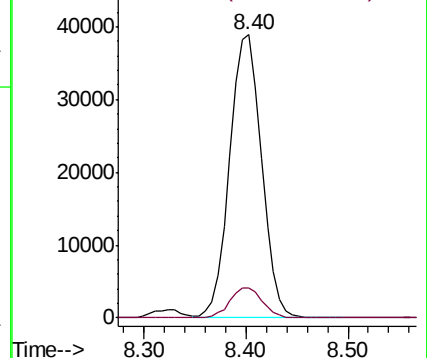
Tgt Ion:	62	Resp:	84303
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0

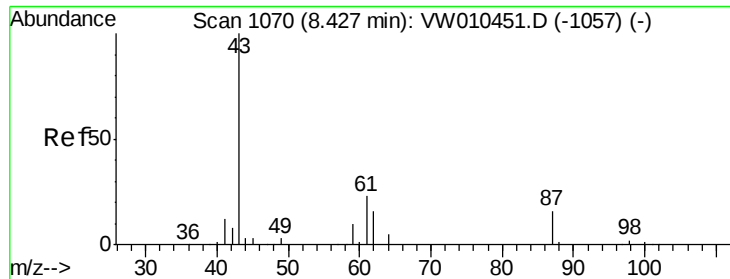


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 43.397 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

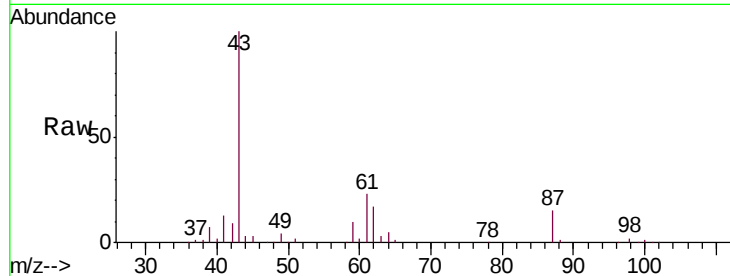
Tgt Ion: 43 Resp: 77844

Ion Ratio Lower Upper

43 100

61 33.8 25.4 38.2

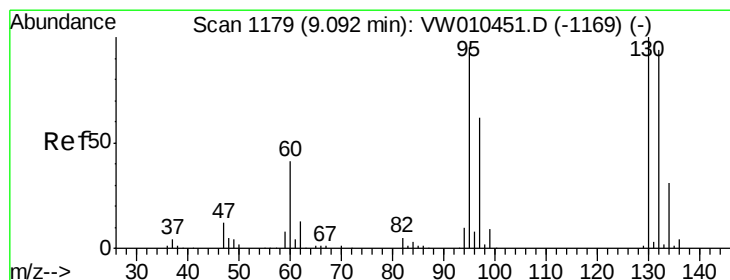
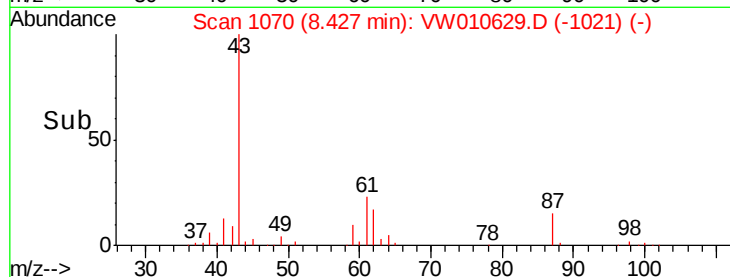
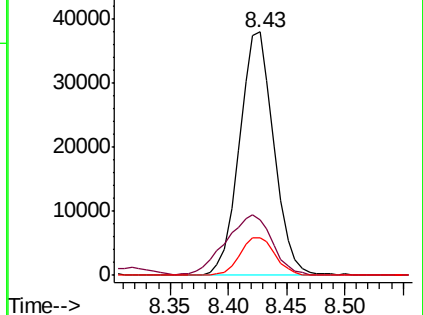
87 16.0 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.016 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010629.D

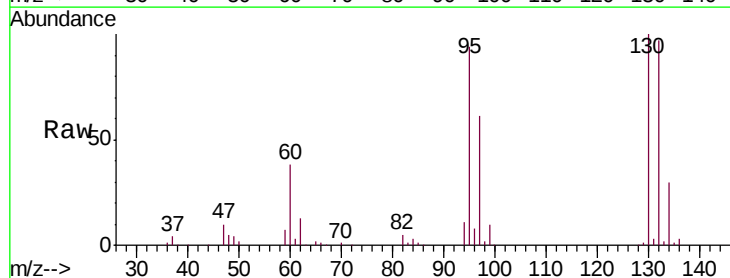
Acq: 31 May 2019 11:29

Tgt Ion: 130 Resp: 95853

Ion Ratio Lower Upper

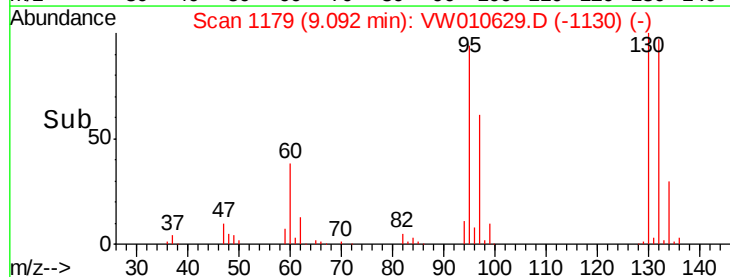
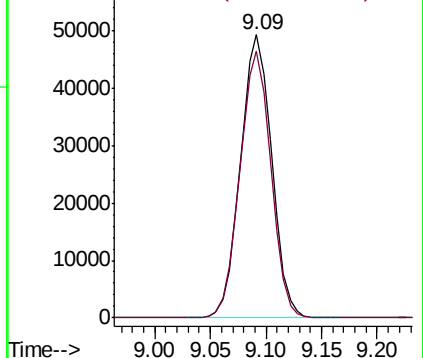
130 100

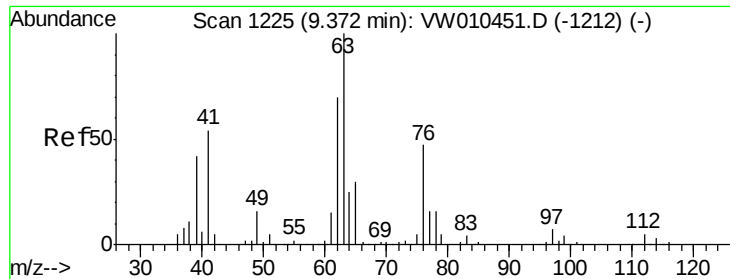
95 94.4 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.454 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

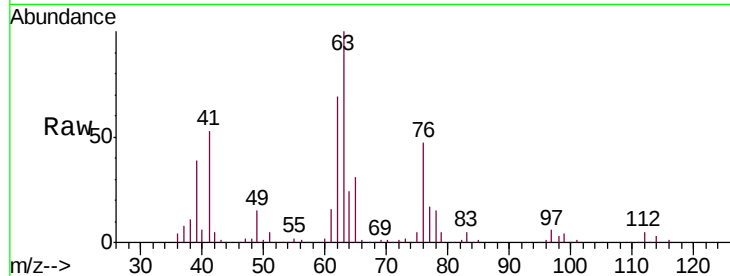
VSTDCCC050

Tgt Ion: 63 Resp: 71716

Ion Ratio Lower Upper

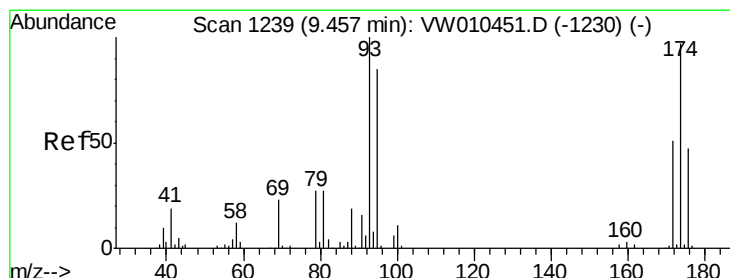
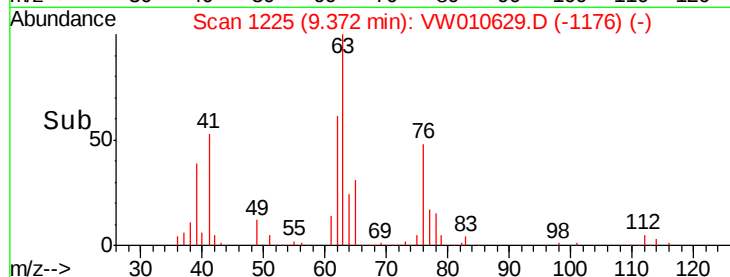
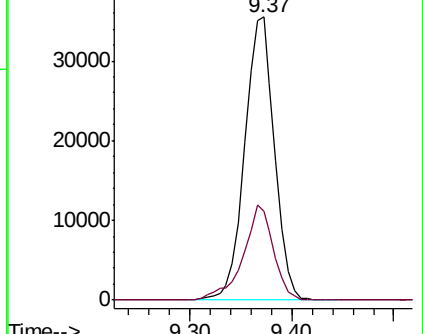
63 100

65 31.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 50.110 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

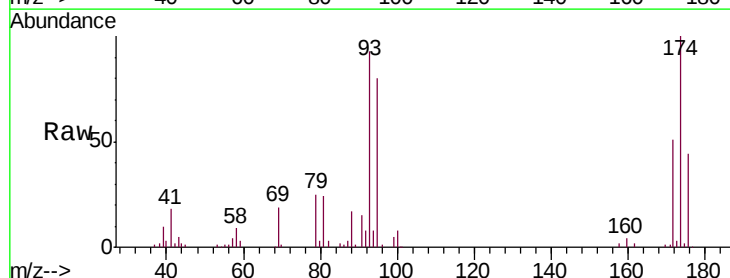
Tgt Ion: 93 Resp: 40845

Ion Ratio Lower Upper

93 100

95 83.4 66.1 99.1

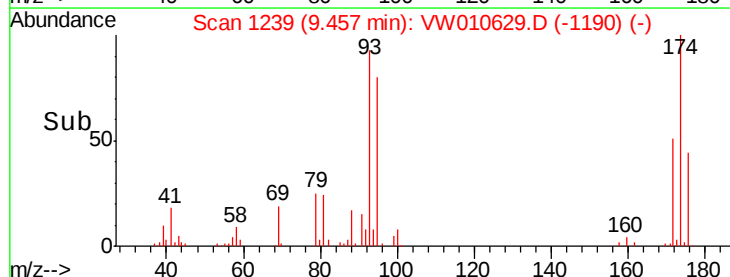
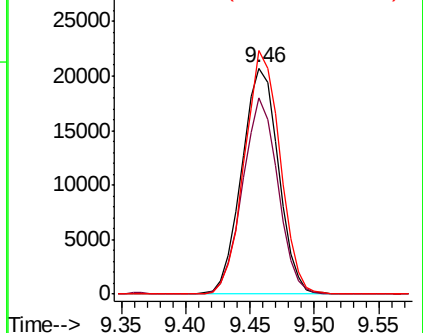
174 104.5 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.678 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

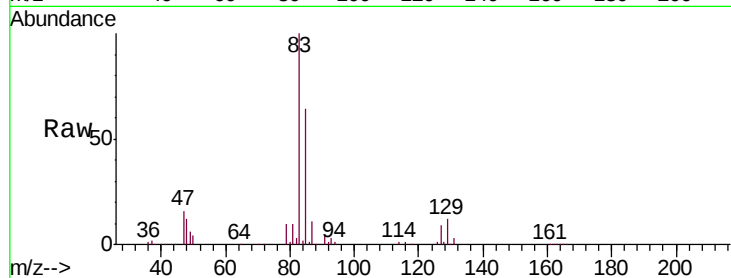
Tgt Ion: 83 Resp: 103807

Ion Ratio Lower Upper

83 100

85 64.3 50.4 75.6

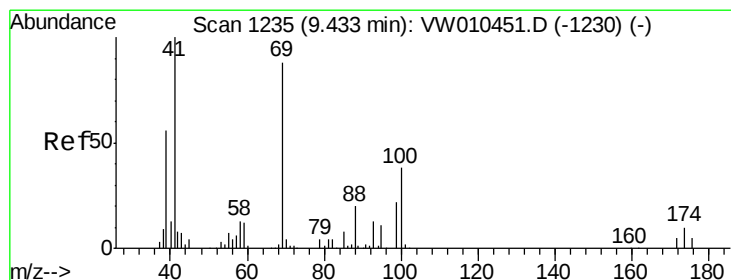
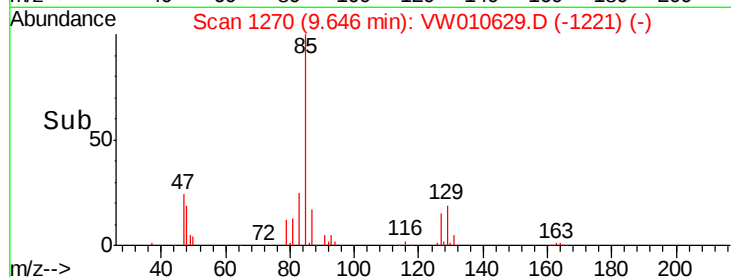
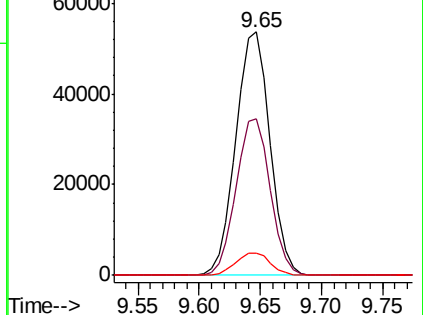
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 42.840 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

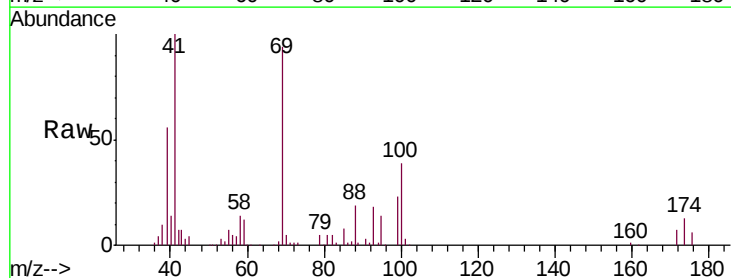
Tgt Ion: 41 Resp: 35156

Ion Ratio Lower Upper

41 100

69 101.2 77.6 116.4

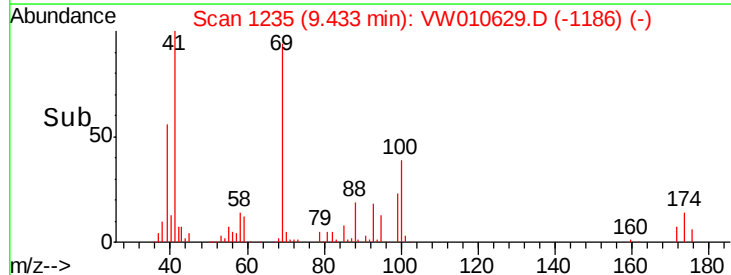
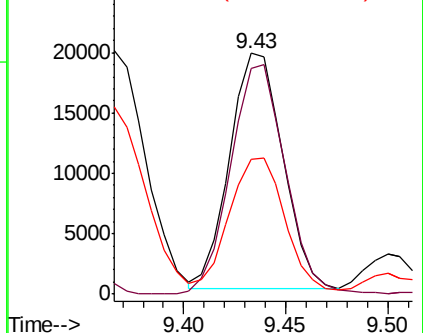
39 58.1 49.8 74.8

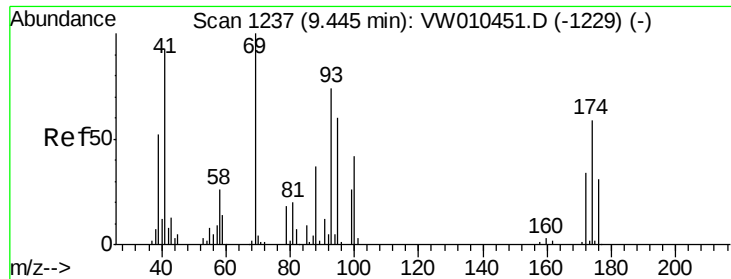


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

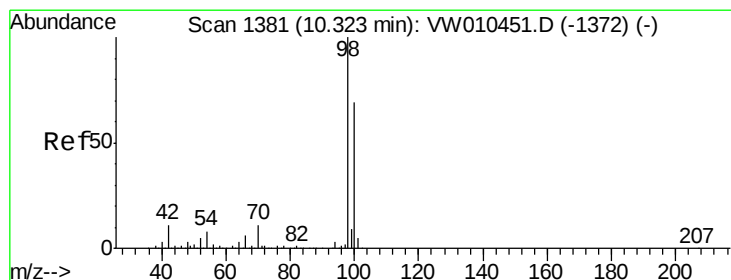
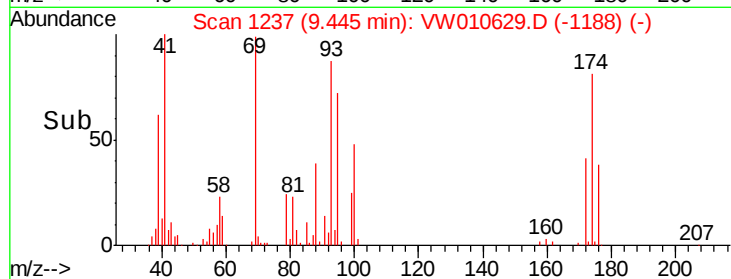
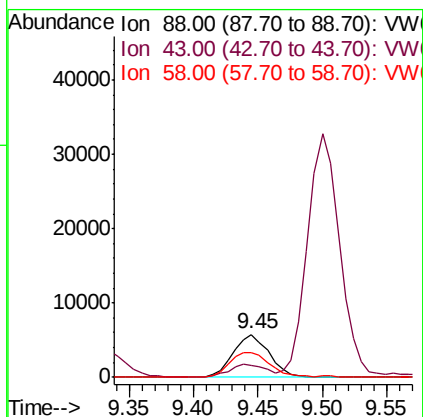
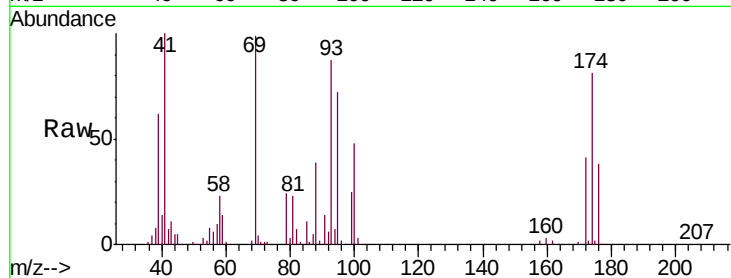




#49
1,4-Dioxane
Concen: 846.990 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

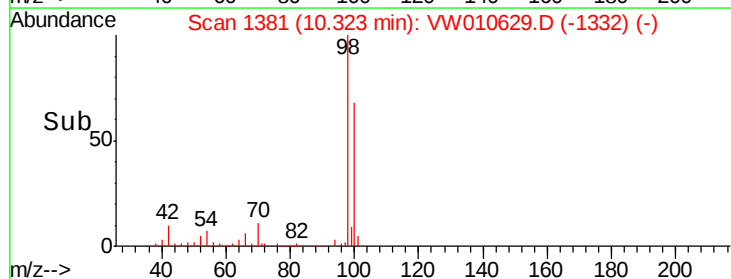
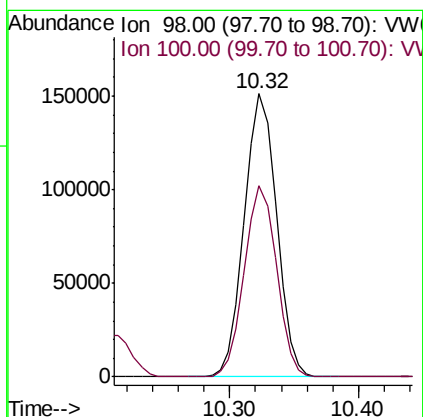
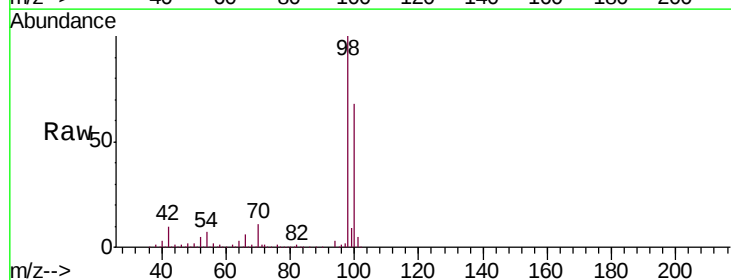
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

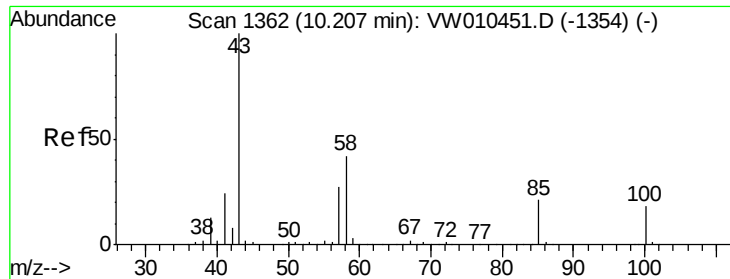
Tgt Ion: 88 Resp: 11278
Ion Ratio Lower Upper
88 100
43 29.3 25.9 38.9
58 64.5 52.7 79.1



#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 98 Resp: 262551
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5

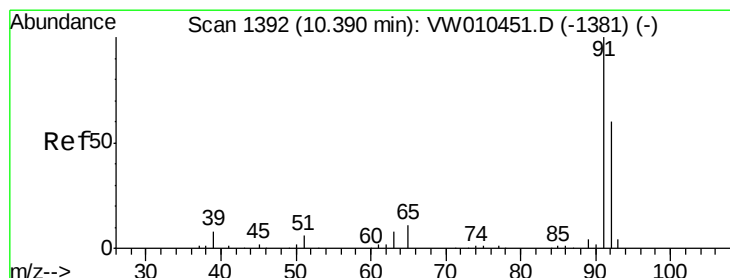
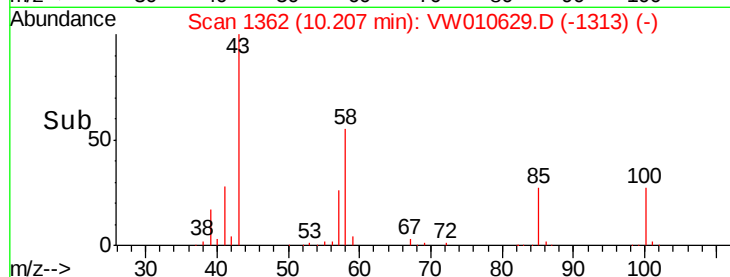
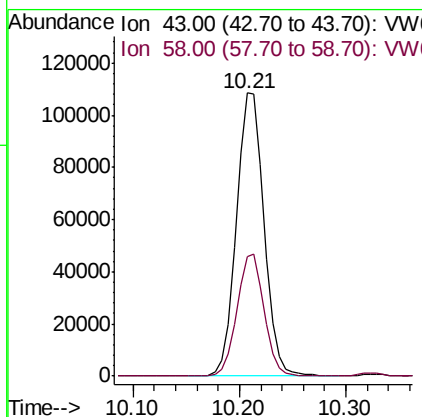
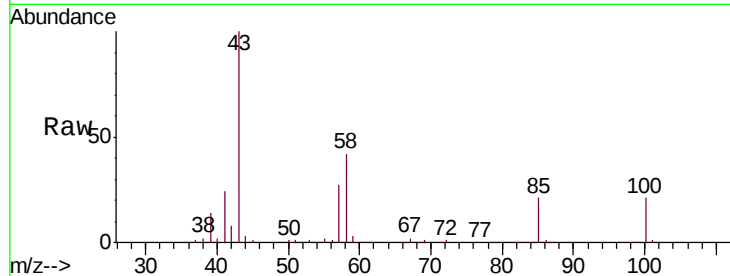




#51
 4-Methyl-2-Pentanone
 Concen: 216.739 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

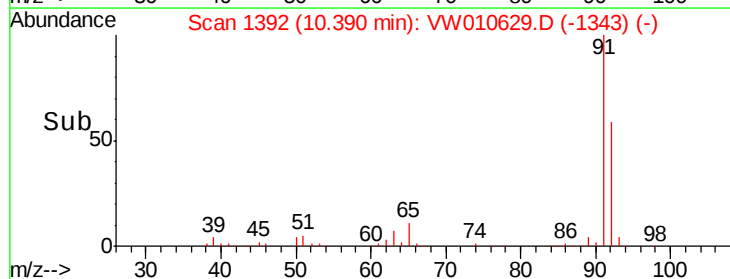
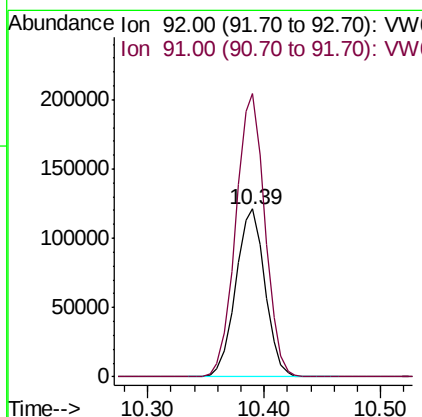
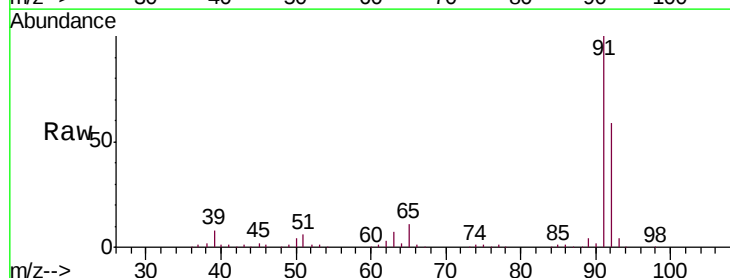
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

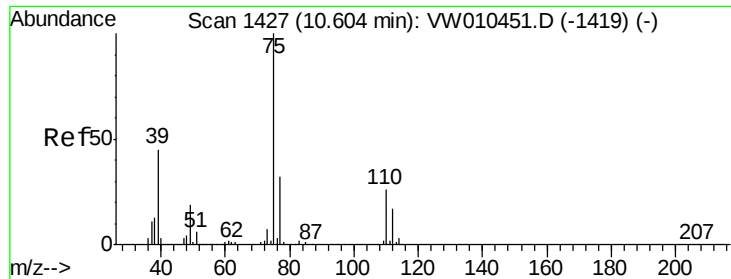
Tgt Ion: 43 Resp: 197004
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.2 49.8



#52
 Toluene
 Concen: 53.862 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 92 Resp: 212280
 Ion Ratio Lower Upper
 92 100
 91 168.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 49.338 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

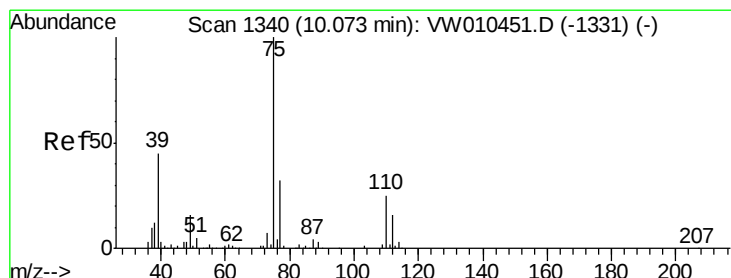
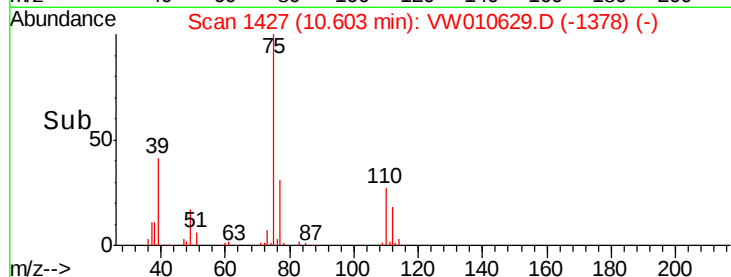
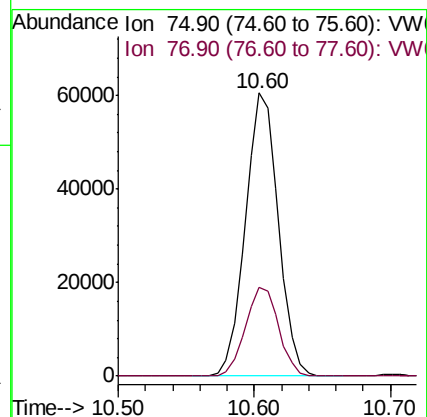
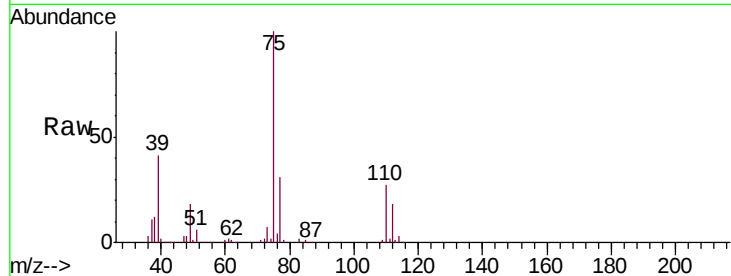
VSTDCCC050

Tgt Ion: 75 Resp: 102353

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.478 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

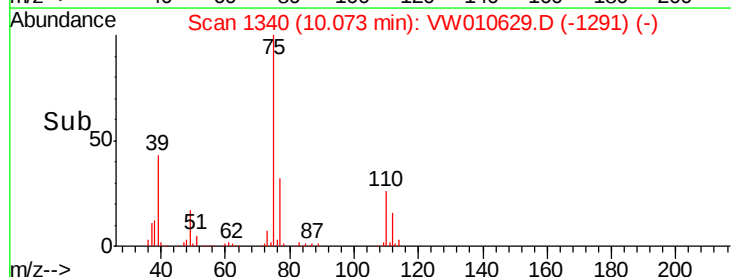
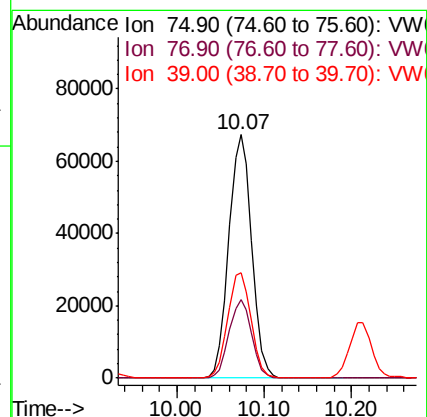
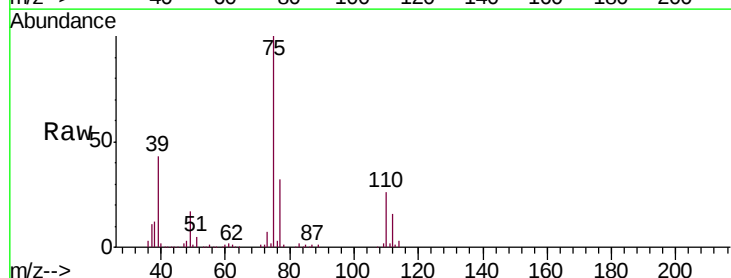
Tgt Ion: 75 Resp: 121964

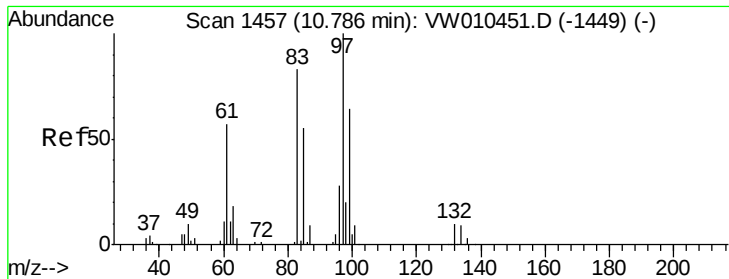
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 43.4 36.2 54.4

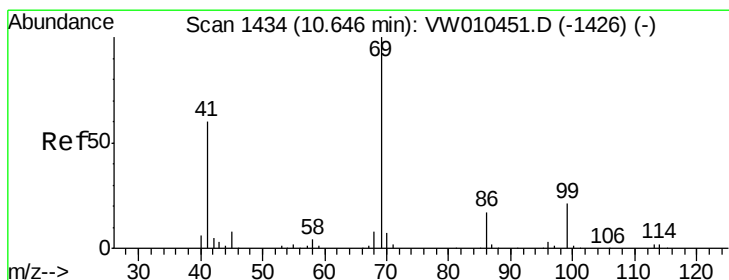
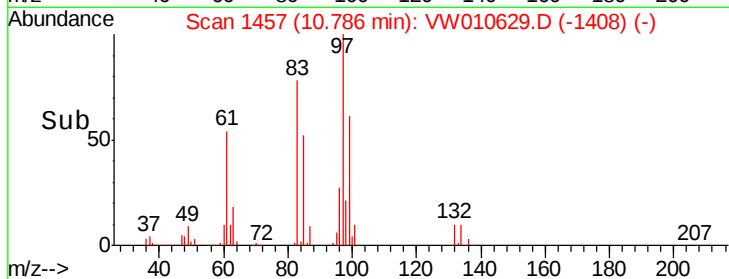
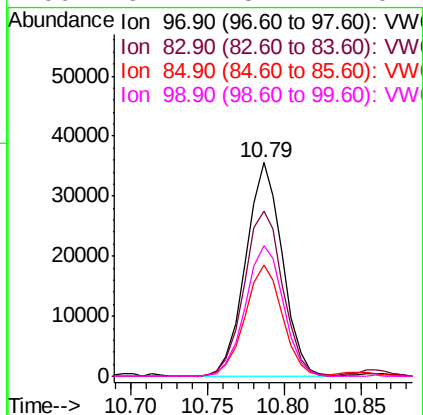
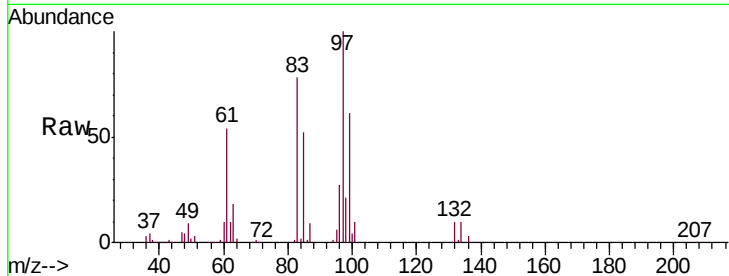




#55
 1,1,2-Trichloroethane
 Concen: 50.584 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

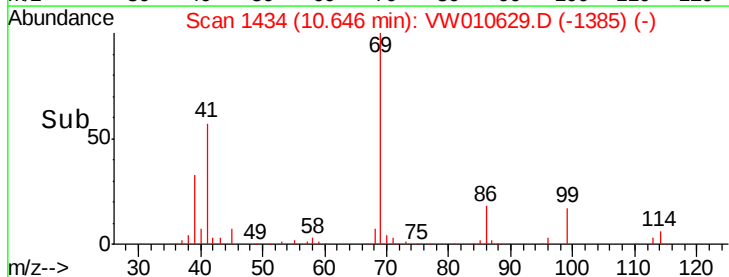
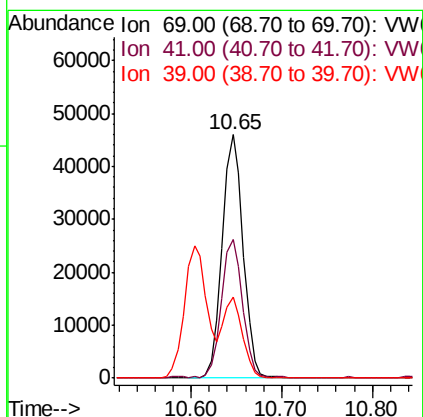
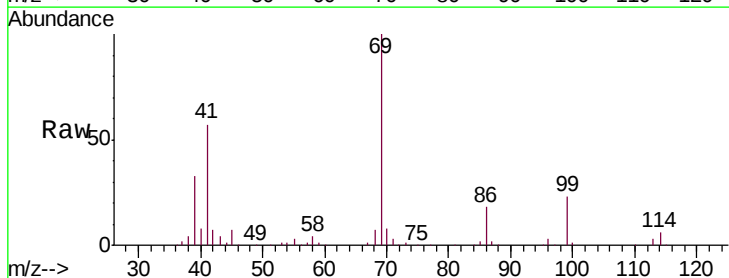
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

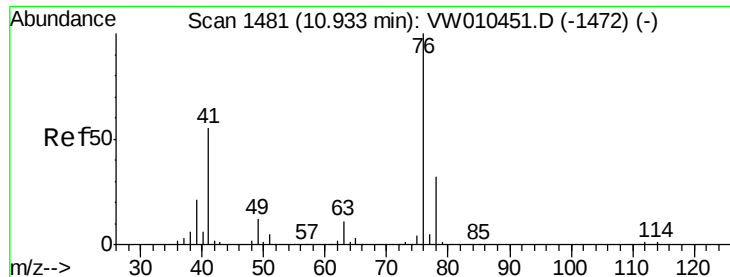
Tgt Ion:	97	Resp:	59292
Ion	Ratio	Lower	Upper
97	100		
83	77.6	66.1	99.1
85	52.4	44.2	66.4
99	61.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 45.977 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion:	69	Resp:	74325
Ion	Ratio	Lower	Upper
69	100		
41	56.9	47.7	71.5
39	31.2	25.3	37.9

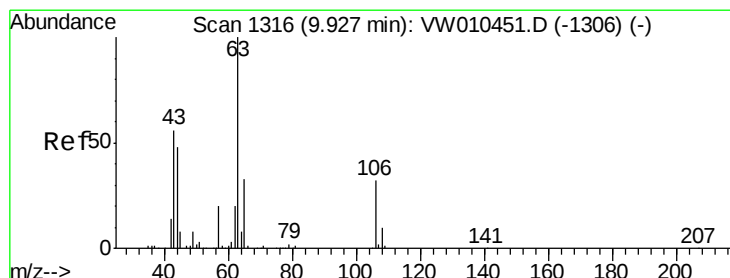
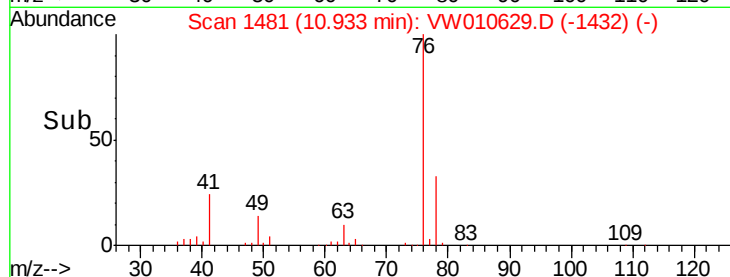
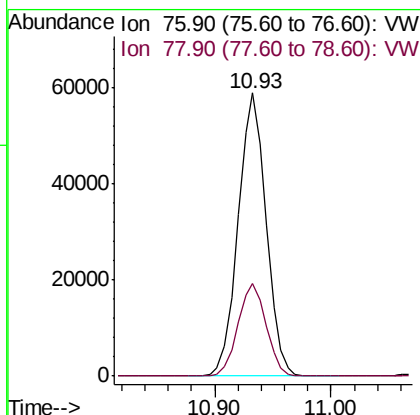
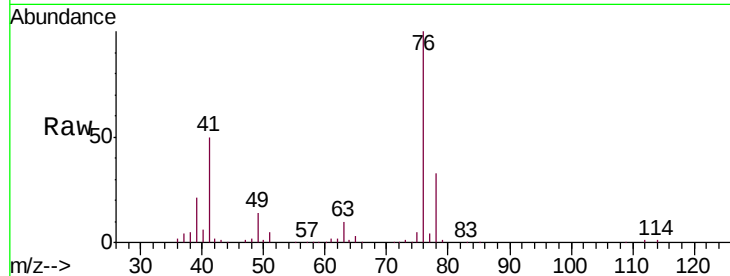




#57
 1,3-Dichloropropane
 Concen: 50.204 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

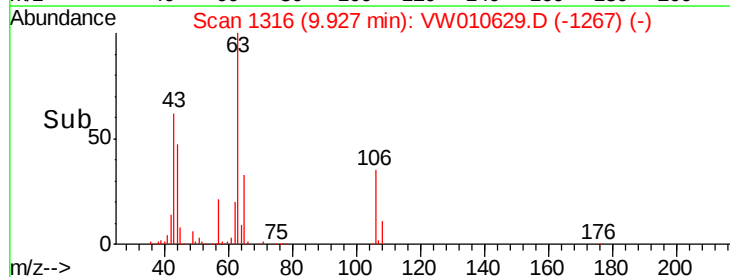
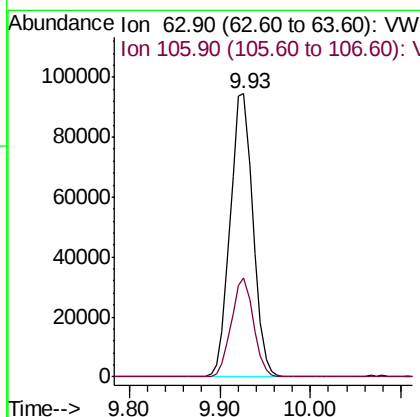
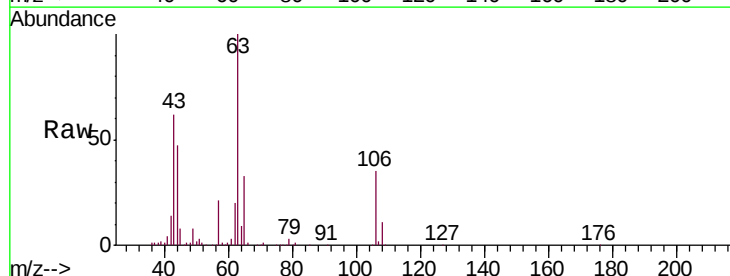
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

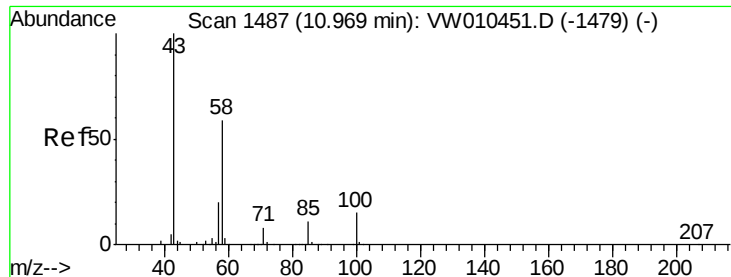
Tgt Ion: 76 Resp: 98572
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.250 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion: 63 Resp: 165582
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6

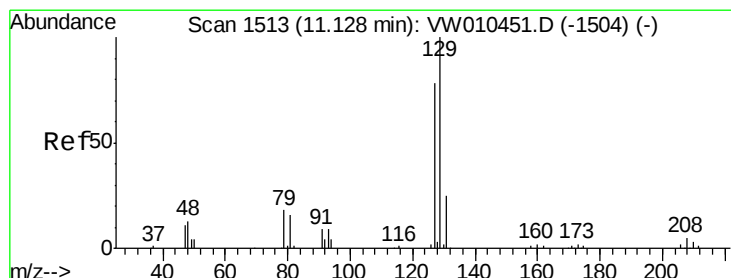
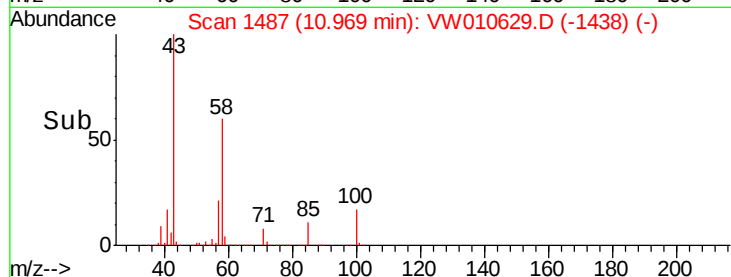
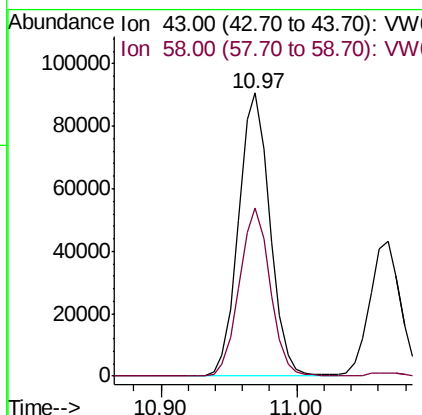
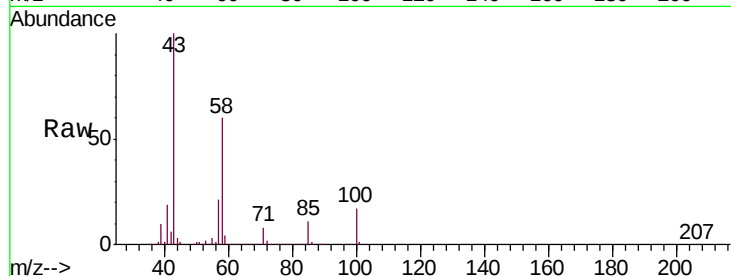




#59
2-Hexanone
Concen: 225.523 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

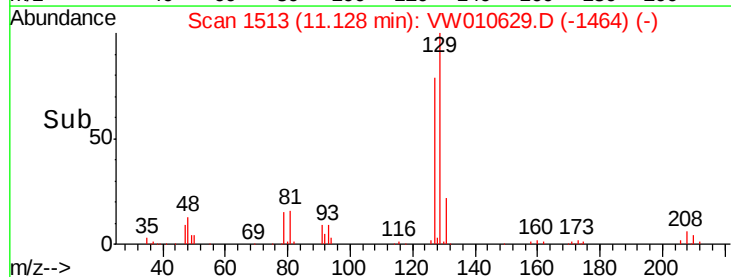
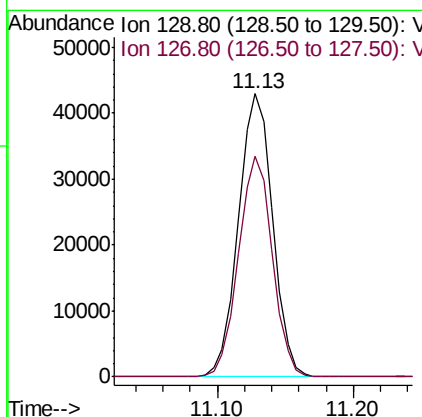
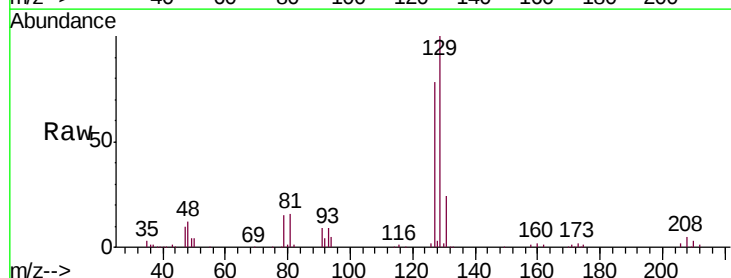
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

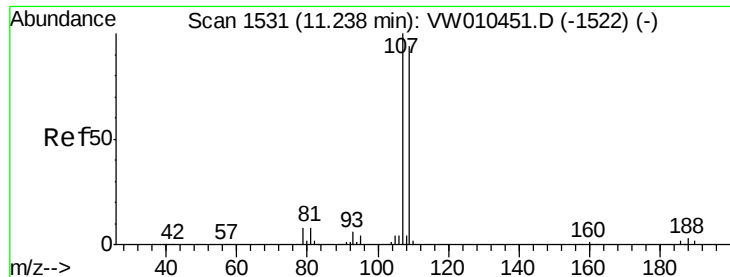
Tgt Ion: 43 Resp: 146228
Ion Ratio Lower Upper
43 100
58 58.4 28.9 86.8



#60
Dibromochloromethane
Concen: 50.896 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 129 Resp: 75502
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.854 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

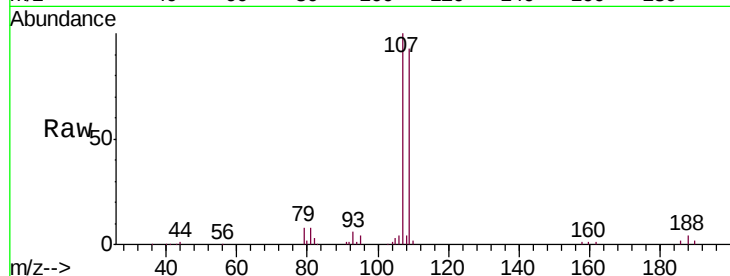
VSTDCCC050

Tgt Ion: 107 Resp: 59195

Ion Ratio Lower Upper

107 100

109 94.9 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

30000

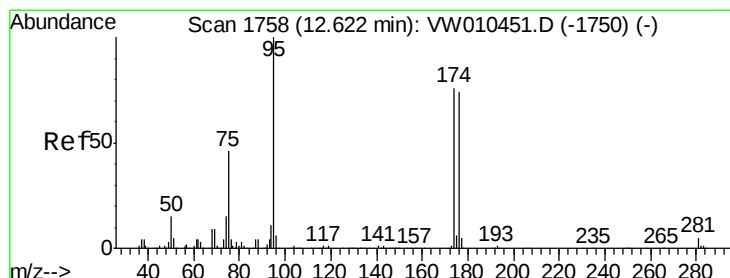
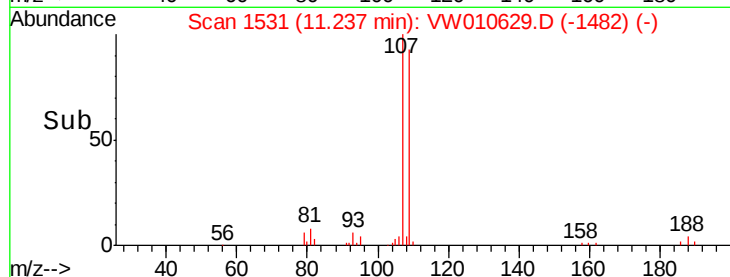
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 47.579 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

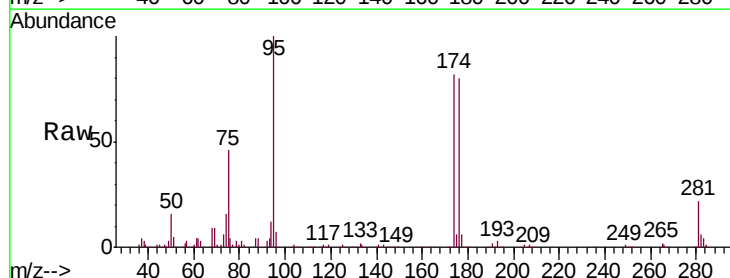
Tgt Ion: 95 Resp: 99572

Ion Ratio Lower Upper

95 100

174 79.5 0.0 148.6

176 76.3 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

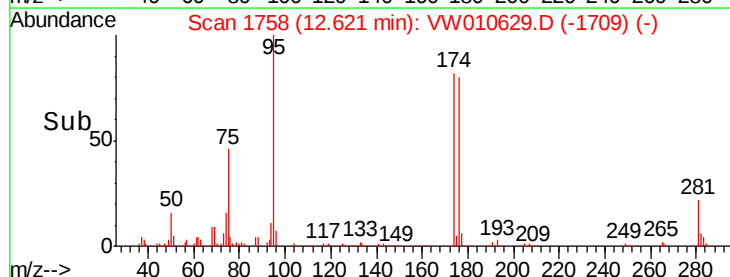
40000

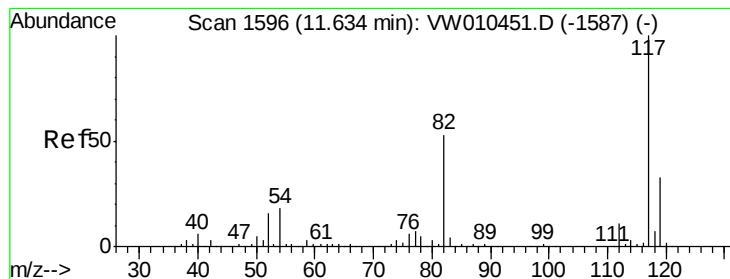
20000

0

Time-->

12.55 12.60 12.65 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

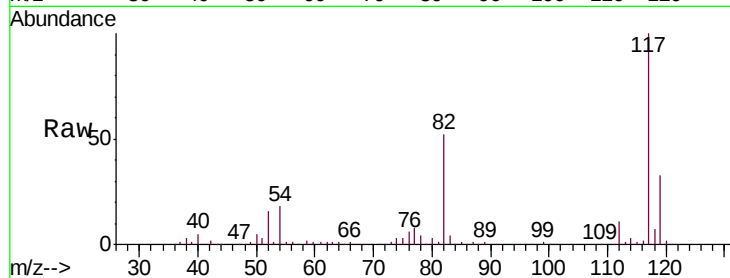
Tgt Ion:117 Resp: 200886

Ion Ratio Lower Upper

117 100

82 51.6 42.8 64.2

119 32.7 26.3 39.5

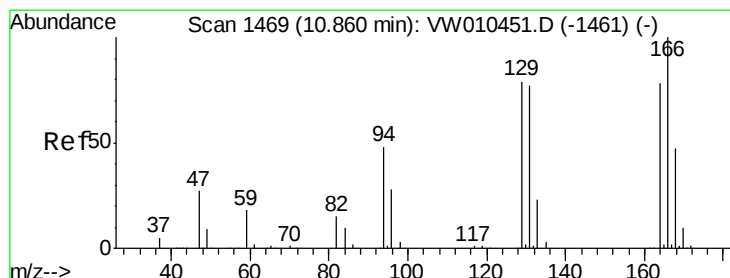
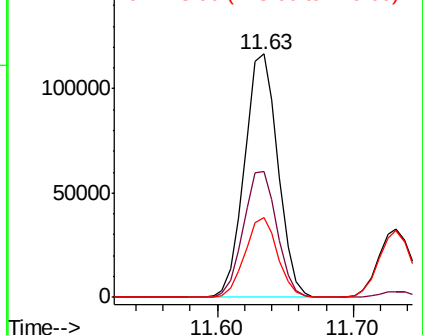
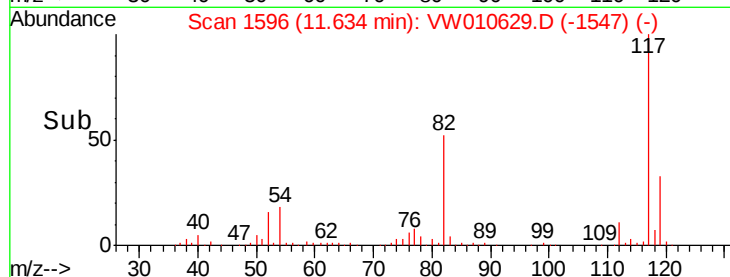


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 55.874 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion:164 Resp: 78244

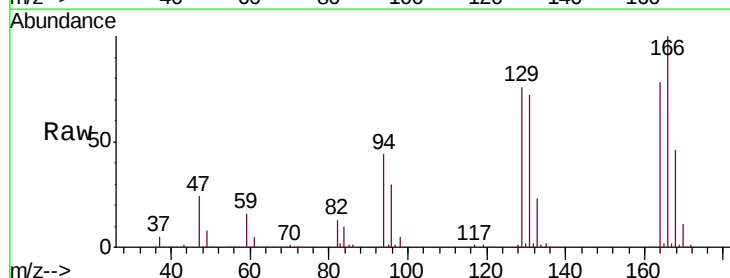
Ion Ratio Lower Upper

164 100

166 127.5 101.9 152.9

129 96.6 80.6 121.0

131 92.4 78.2 117.2



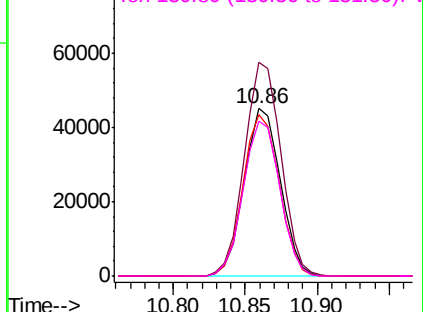
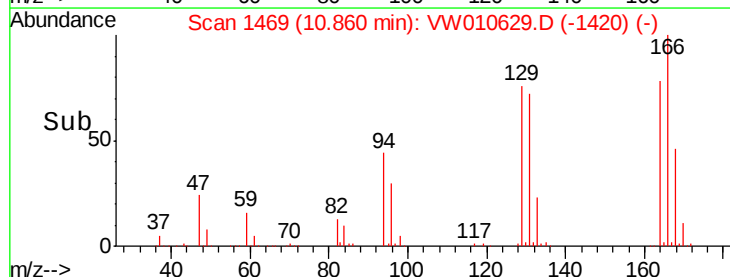
Abundance

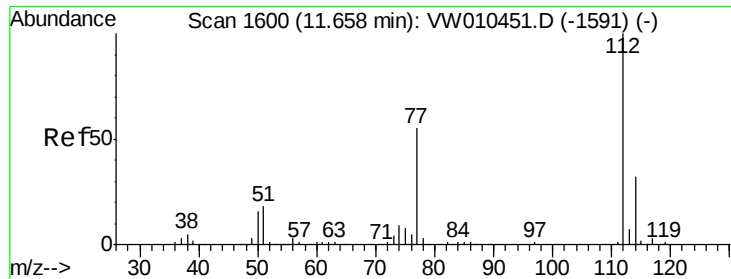
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

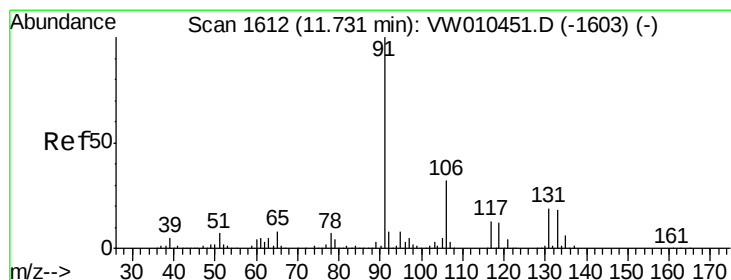
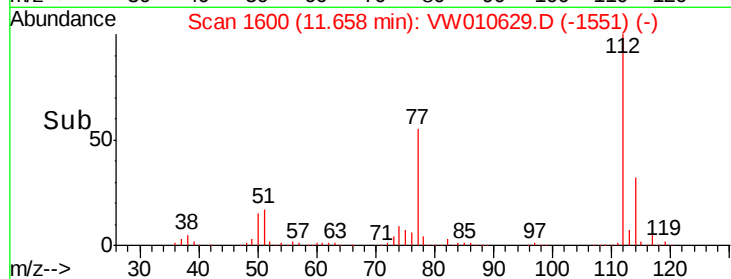
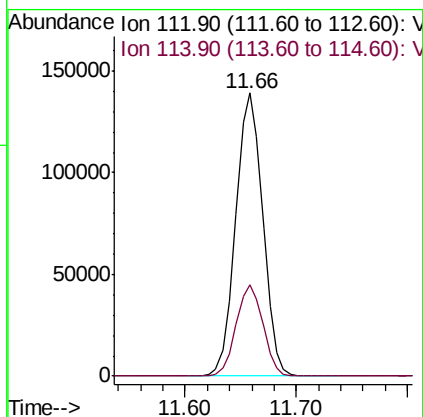
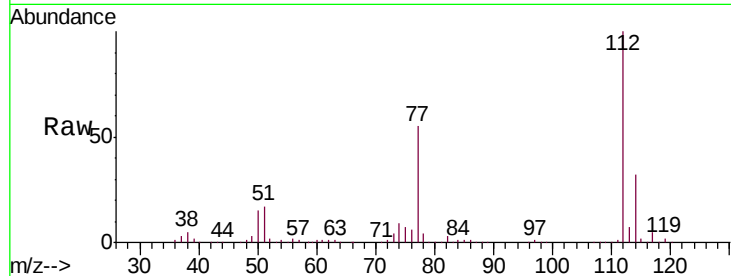




#65
Chlorobenzene
Concen: 54.537 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

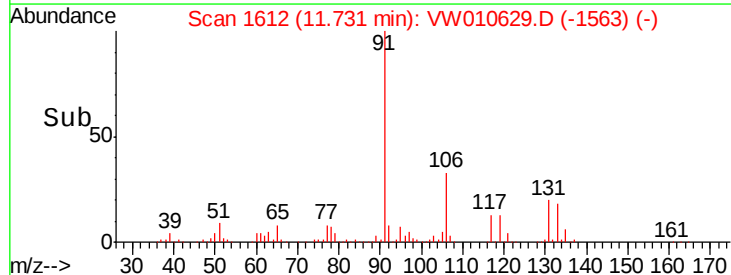
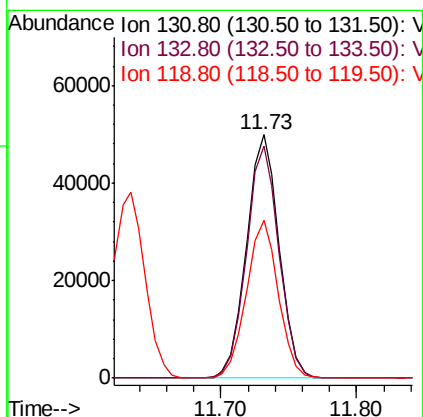
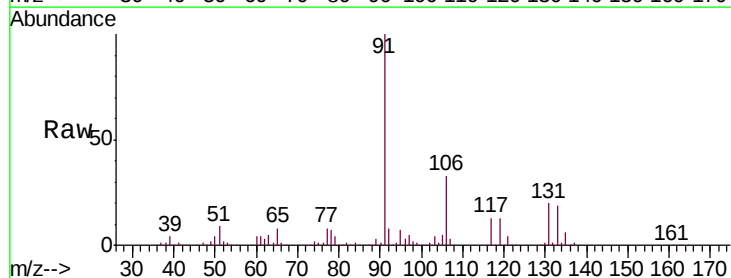
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

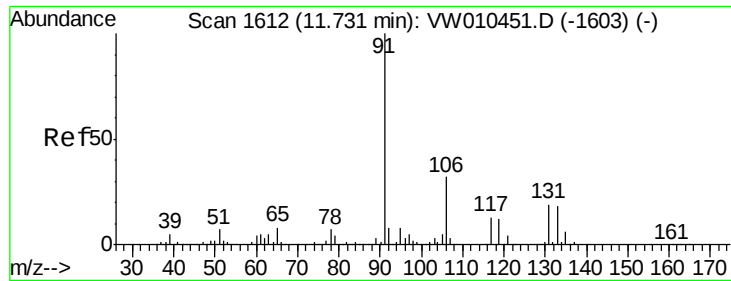
Tgt Ion:112 Resp: 233492
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.345 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:131 Resp: 83347
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 63.7 32.1 96.5

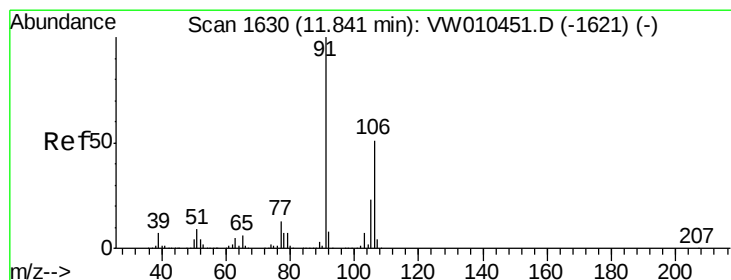
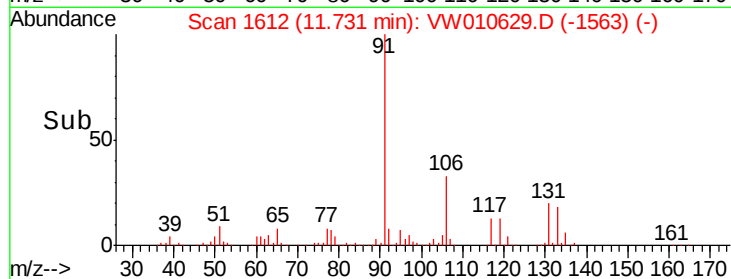
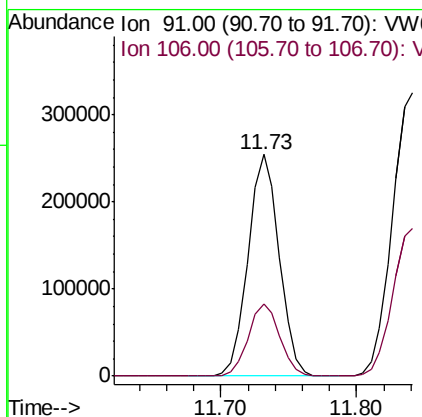
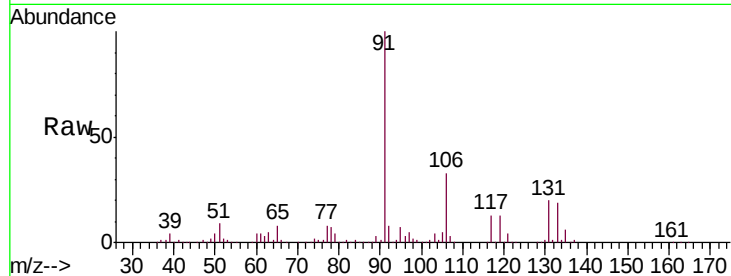




#67
Ethyl Benzene
Concen: 53.948 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

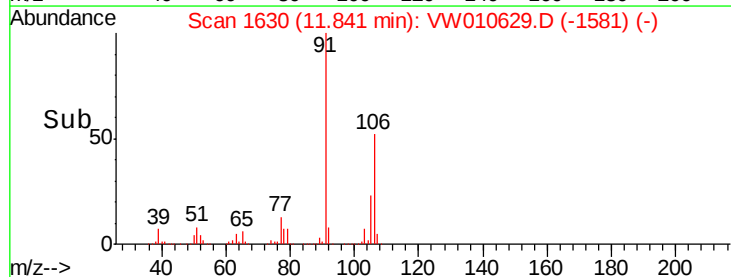
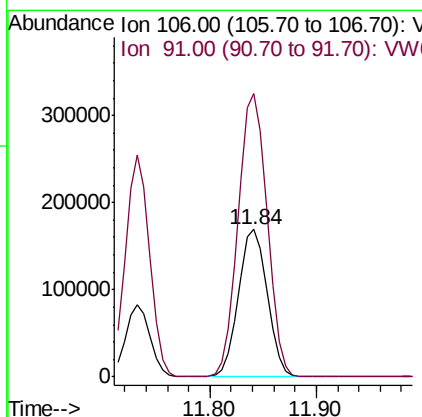
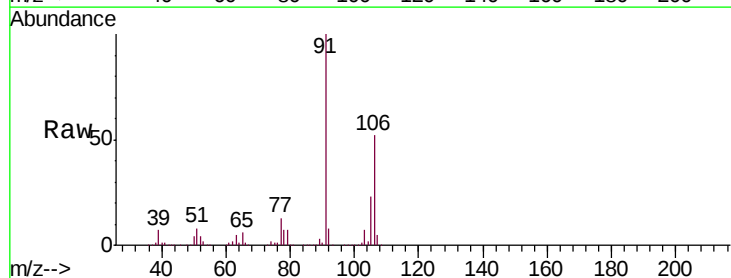
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

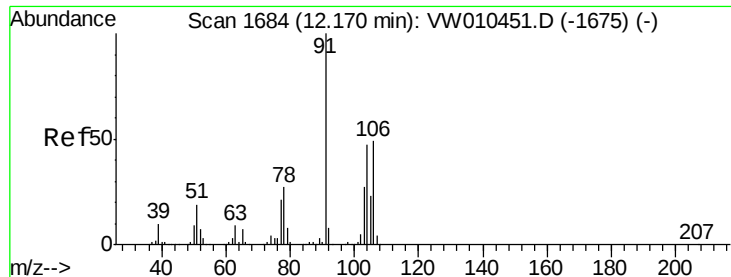
Tgt Ion: 91 Resp: 407785
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9



#68
m/p-Xylenes
Concen: 108.657 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 106 Resp: 322151
Ion Ratio Lower Upper
106 100
91 193.4 156.0 234.0

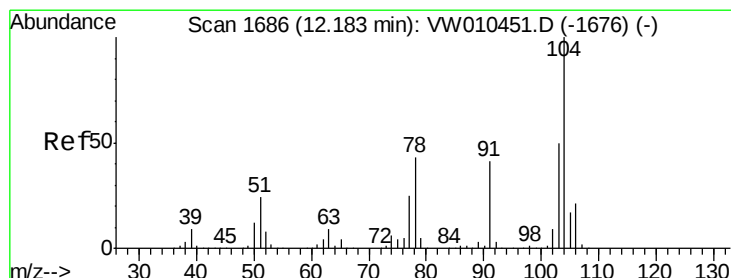
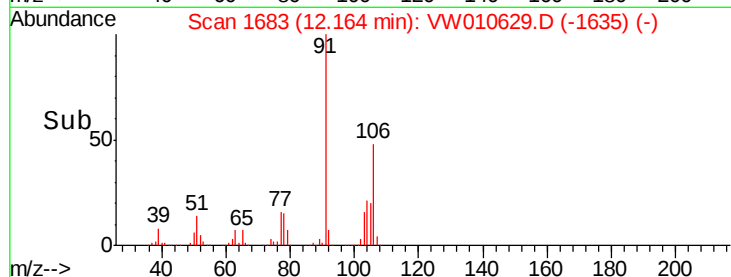
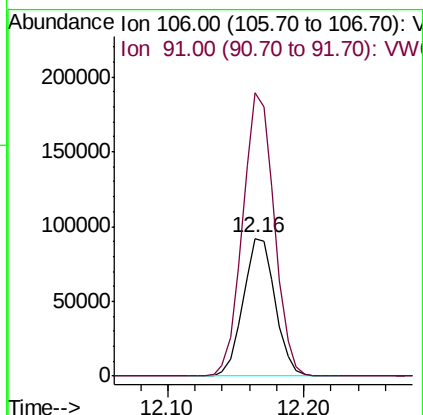
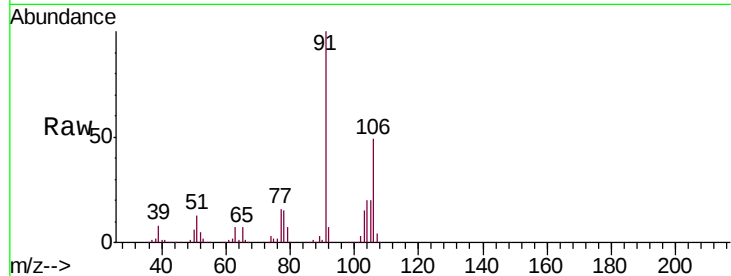




#69
o-Xylene
Concen: 53.715 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

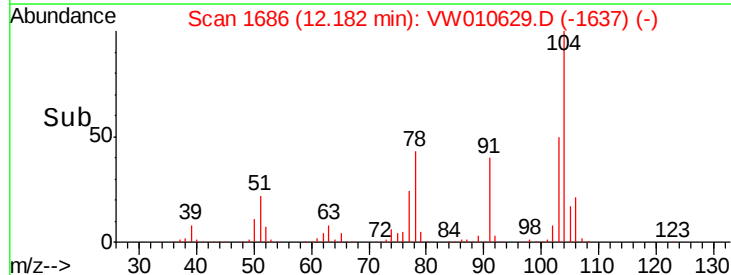
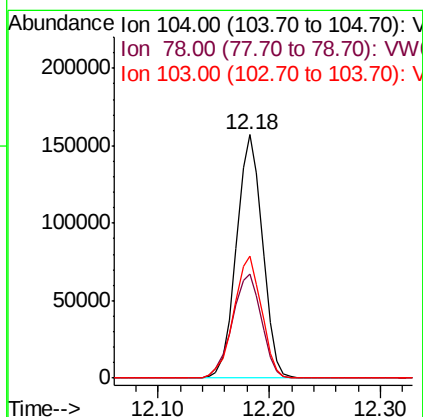
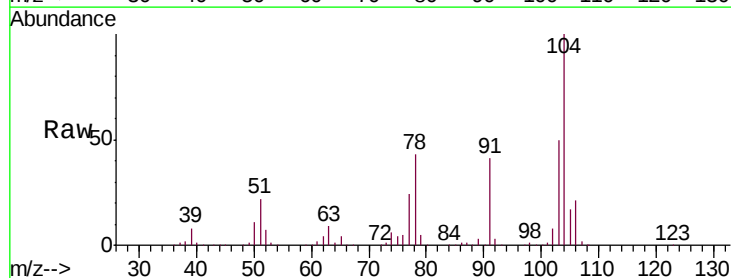
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

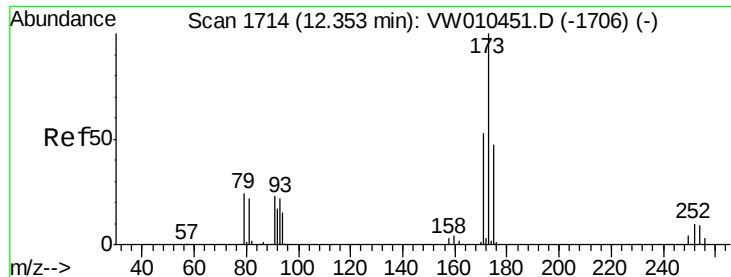
Tgt Ion:106 Resp: 150888
Ion Ratio Lower Upper
106 100
91 203.7 103.2 309.4



#70
Styrene
Concen: 53.334 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:104 Resp: 254196
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.5 43.0 64.6

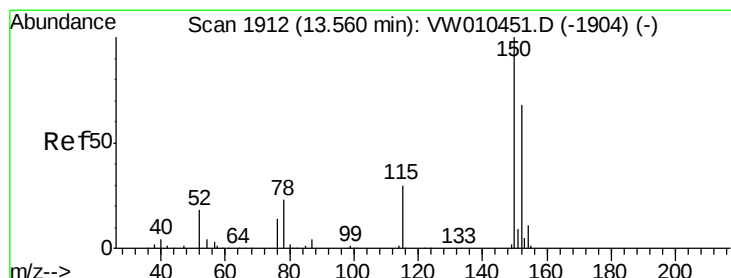
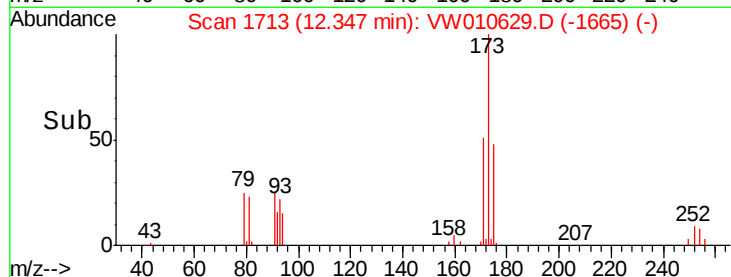
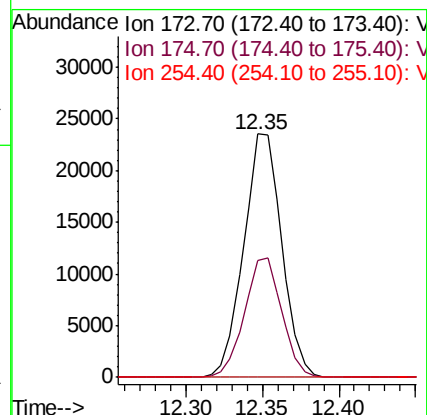
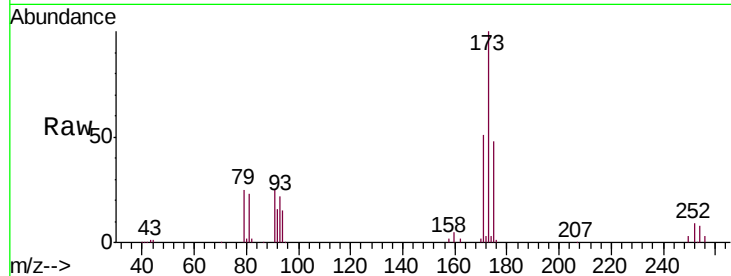




#71
Bromoform
Concen: 48.191 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

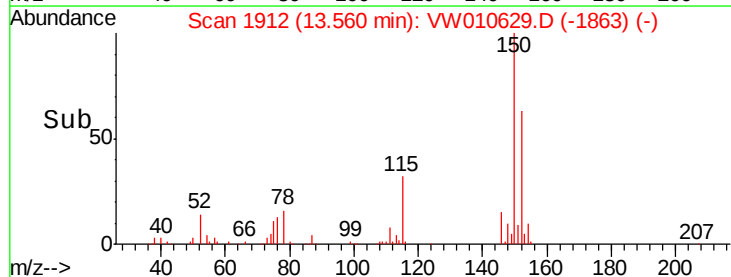
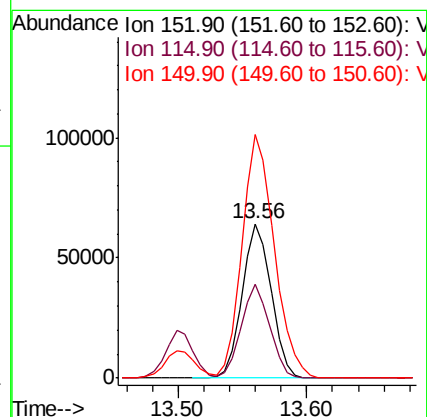
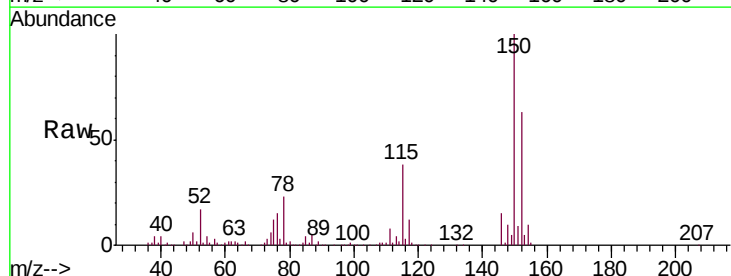
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

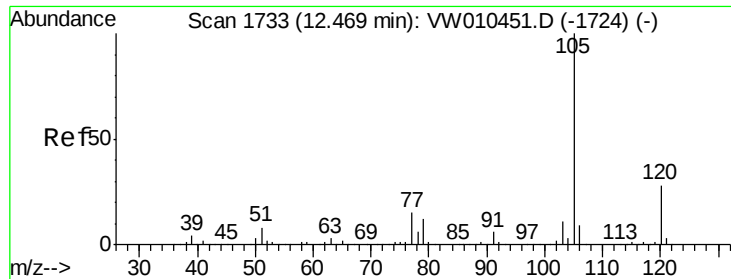
Tgt Ion:173 Resp: 40701
Ion Ratio Lower Upper
173 100
175 48.0 24.4 73.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:152 Resp: 99615
Ion Ratio Lower Upper
152 100
115 59.7 30.3 91.0
150 175.6 0.0 349.8





#73

Isopropylbenzene

Concen: 52.890 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

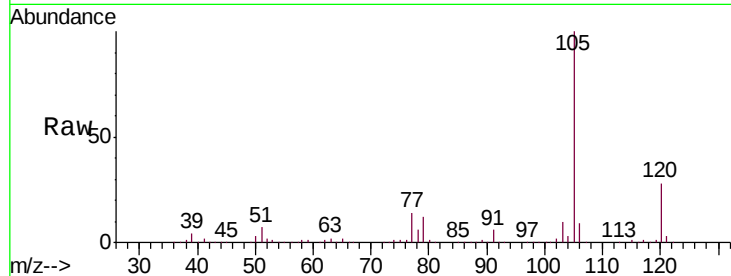
VSTDCCC050

Tgt Ion:105 Resp: 418085

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

250000

200000

150000

100000

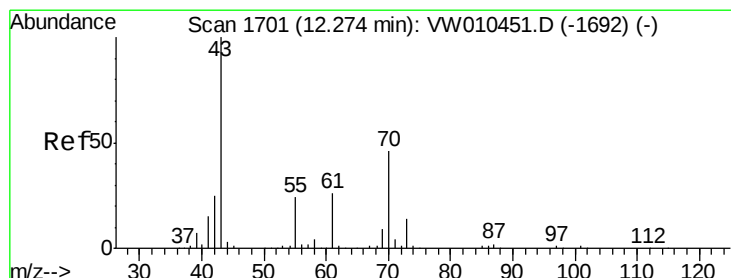
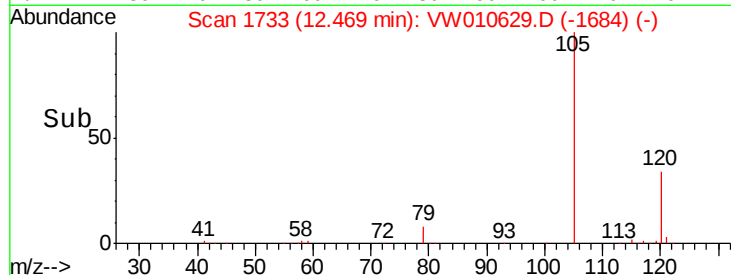
50000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 42.028 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion: 43 Resp: 76131

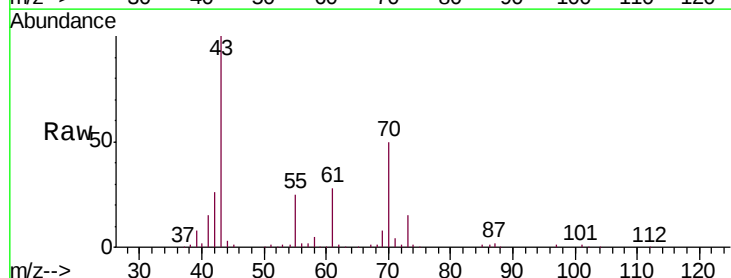
Ion Ratio Lower Upper

43 100

70 48.7 37.1 55.7

55 25.9 19.6 29.4

61 26.2 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

80000

60000

40000

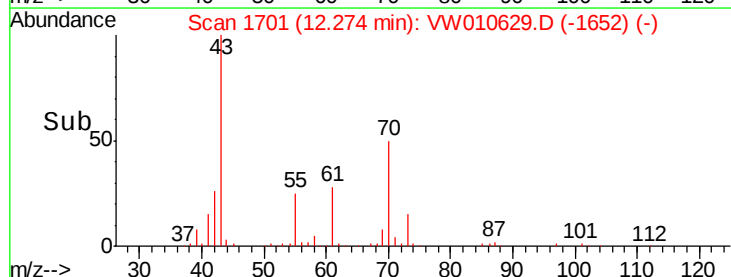
20000

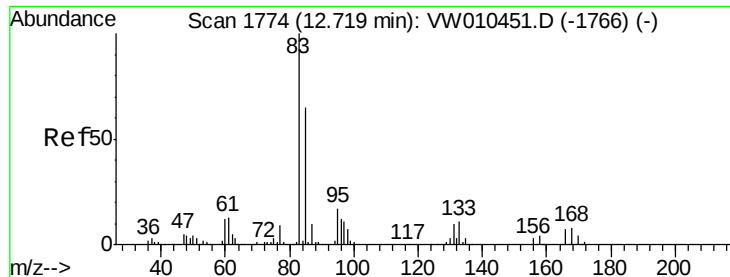
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 44.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

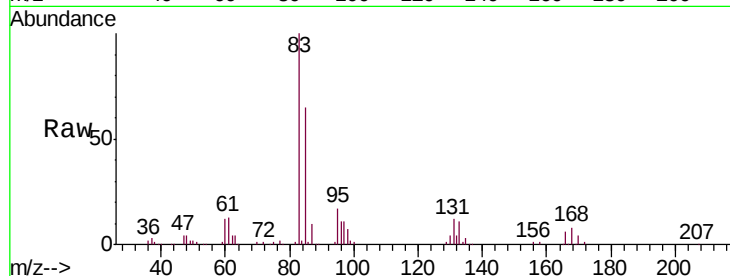
Tgt Ion: 83 Resp: 64394

Ion Ratio Lower Upper

83 100

131 12.1 5.6 16.8

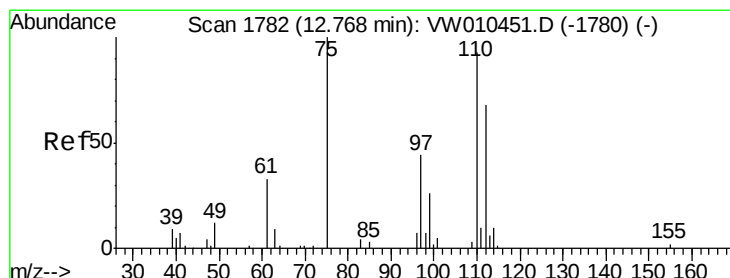
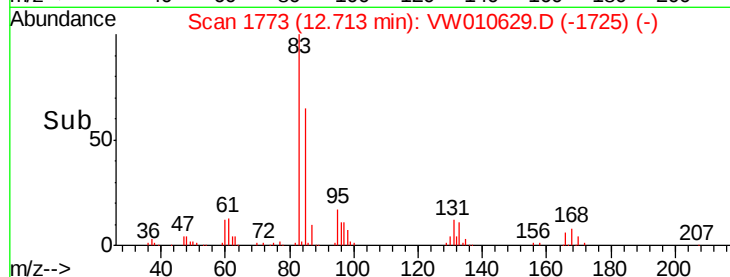
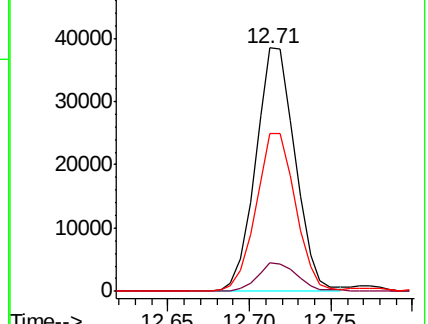
85 65.0 32.4 97.0



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: 81.824 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010629.D

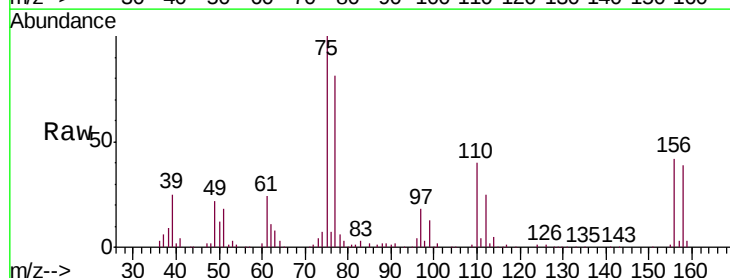
Acq: 31 May 2019 11:29

Tgt Ion: 75 Resp: 82737

Ion Ratio Lower Upper

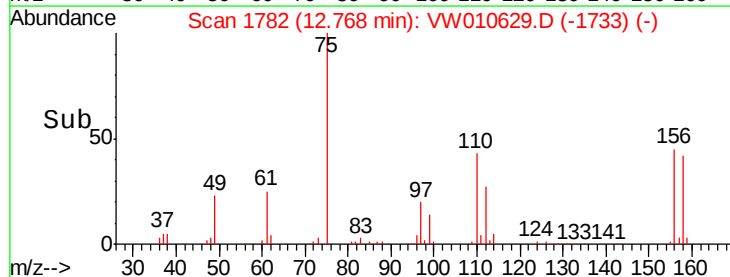
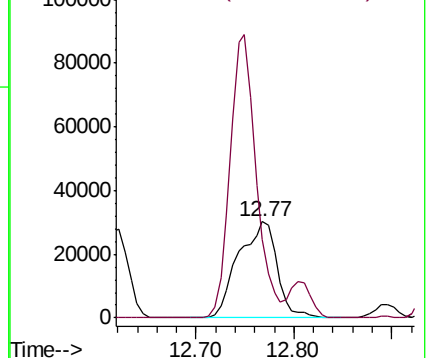
75 100

77 198.6 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.733 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

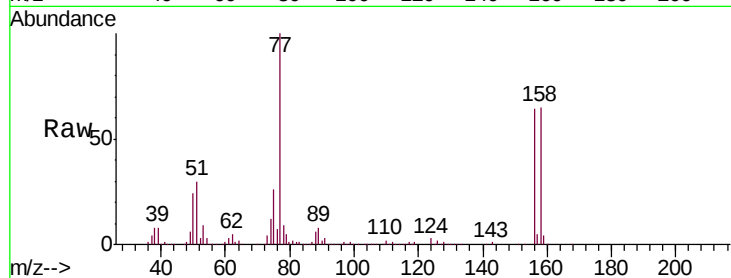
Tgt Ion:156 Resp: 95051

Ion Ratio Lower Upper

156 100

77 172.9 92.4 277.2

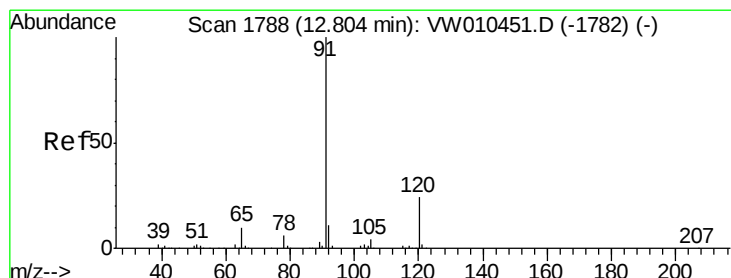
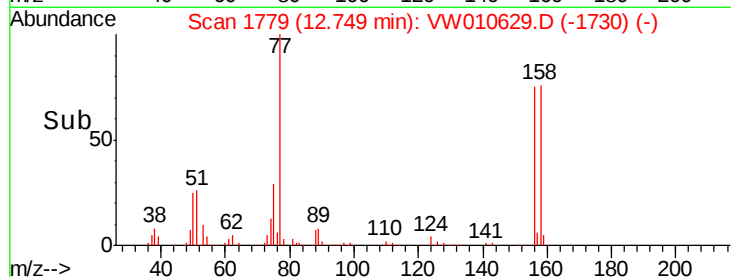
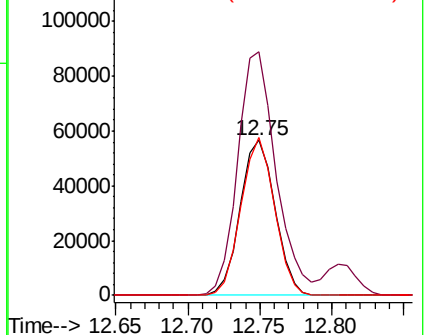
158 97.9 48.3 144.8



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: 51.975 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010629.D

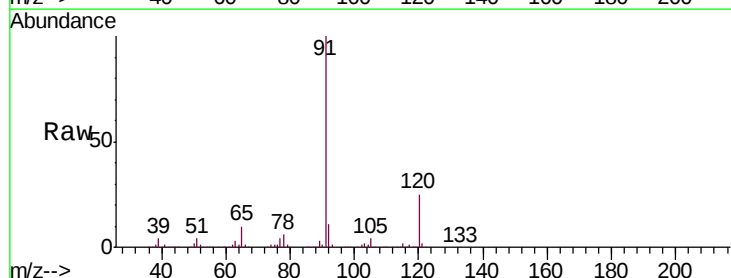
Acq: 31 May 2019 11:29

Tgt Ion: 91 Resp: 478795

Ion Ratio Lower Upper

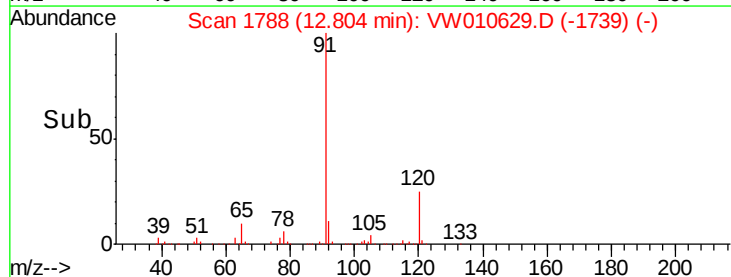
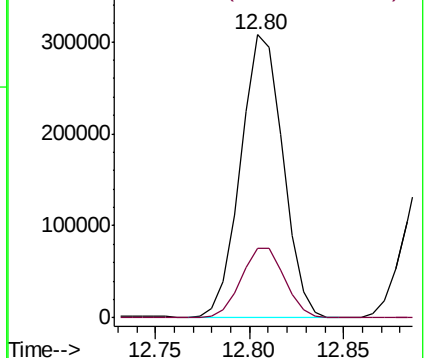
91 100

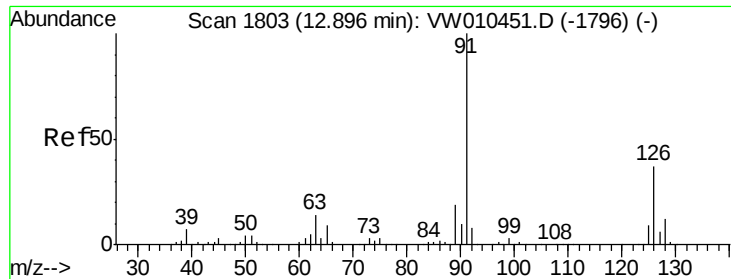
120 25.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.623 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

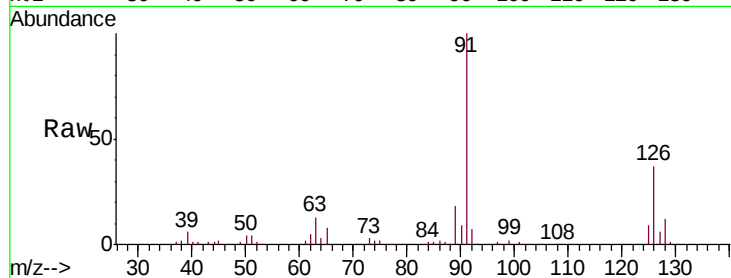
VSTDCCC050

Tgt Ion: 91 Resp: 275782

Ion Ratio Lower Upper

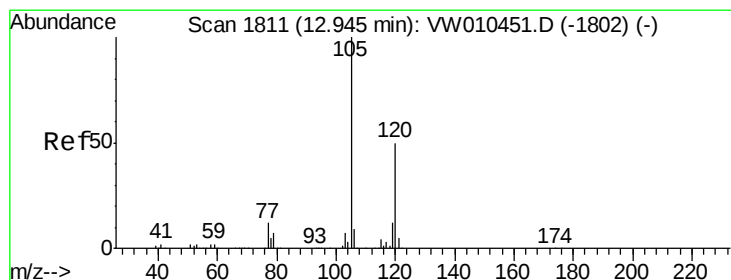
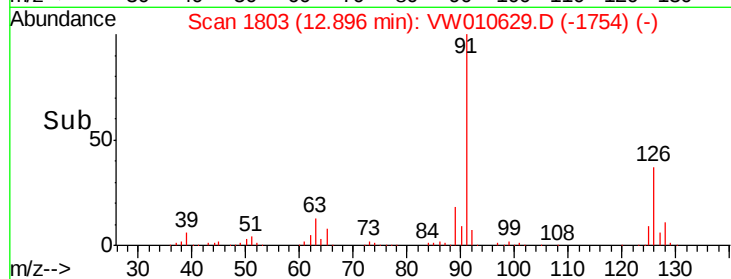
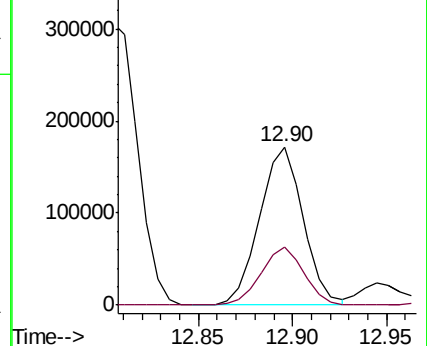
91 100

126 36.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.183 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010629.D

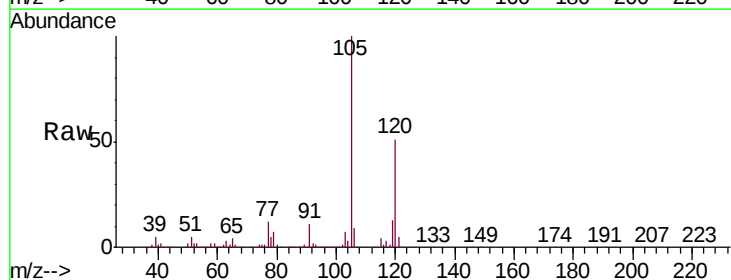
Acq: 31 May 2019 11:29

Tgt Ion: 105 Resp: 349361

Ion Ratio Lower Upper

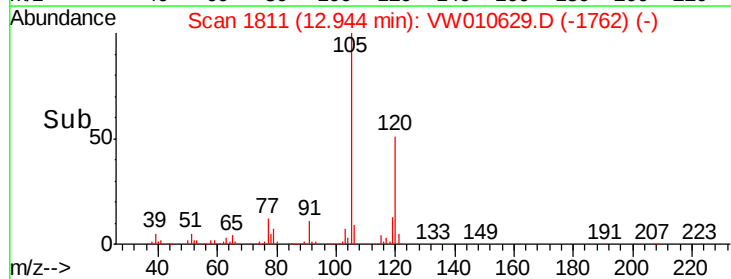
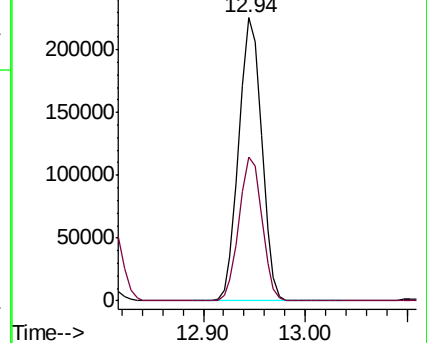
105 100

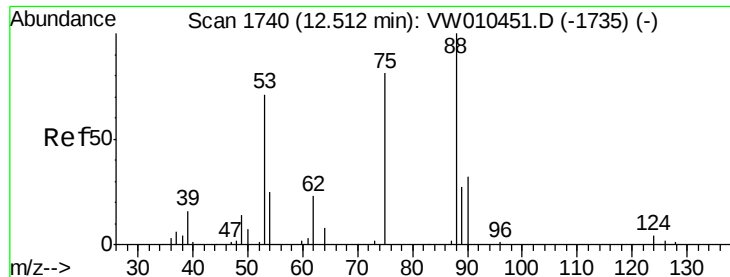
120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.705 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

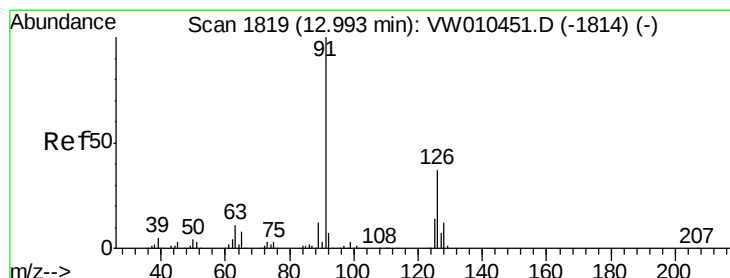
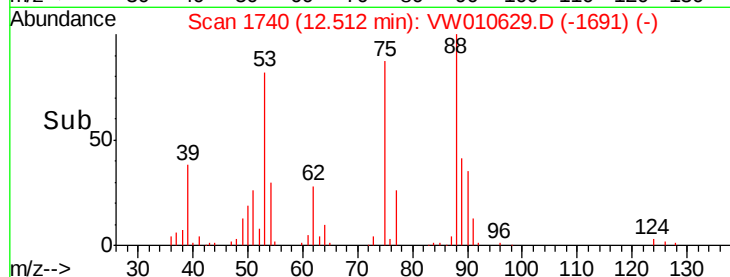
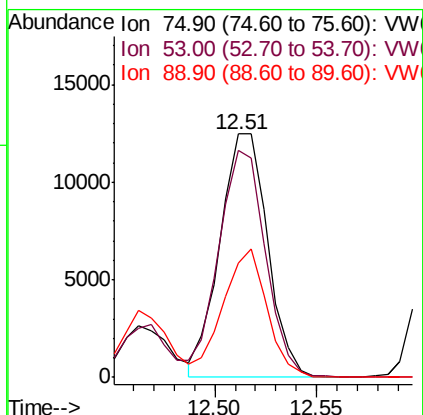
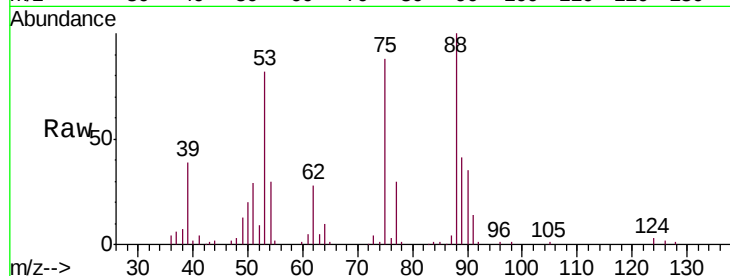
Tgt Ion: 75 Resp: 20206

Ion Ratio Lower Upper

75 100

53 91.5 69.8 104.8

89 48.6 39.5 59.3



#82

4-Chlorotoluene

Concen: 51.382 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010629.D

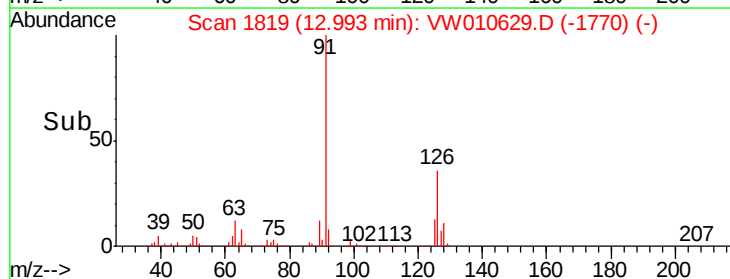
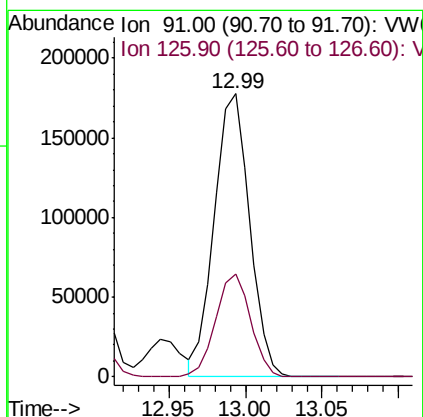
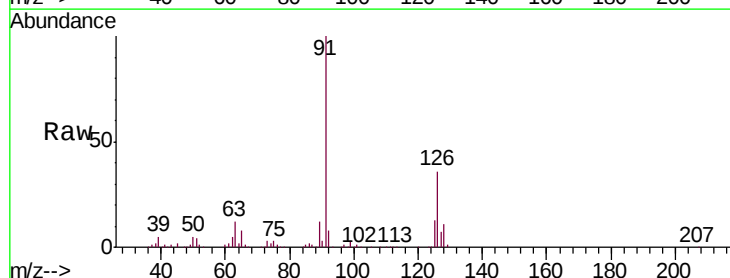
Acq: 31 May 2019 11:29

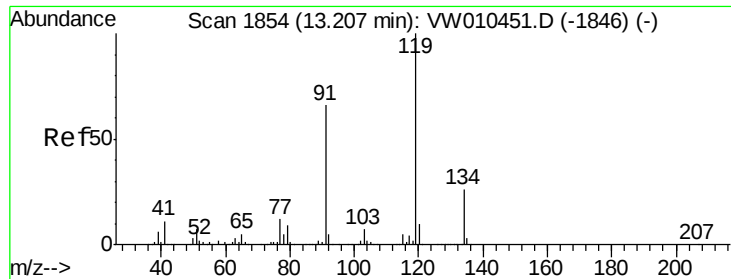
Tgt Ion: 91 Resp: 284915

Ion Ratio Lower Upper

91 100

126 35.9 17.5 52.6

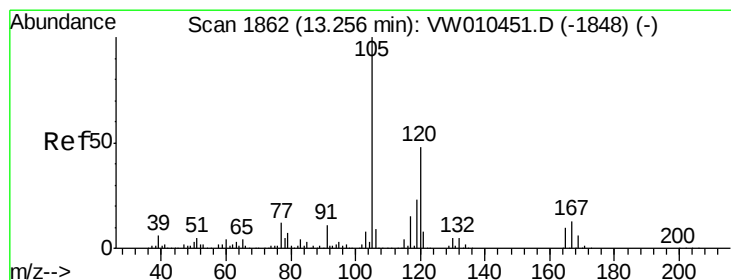
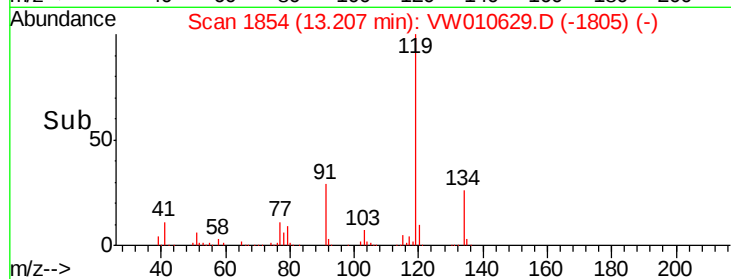
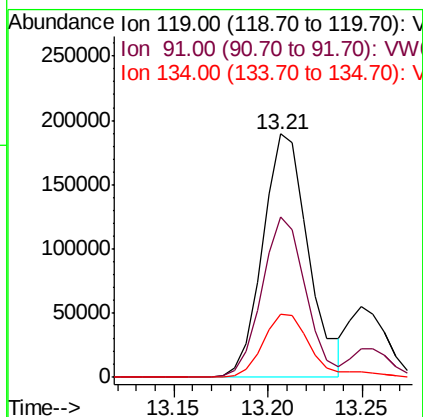
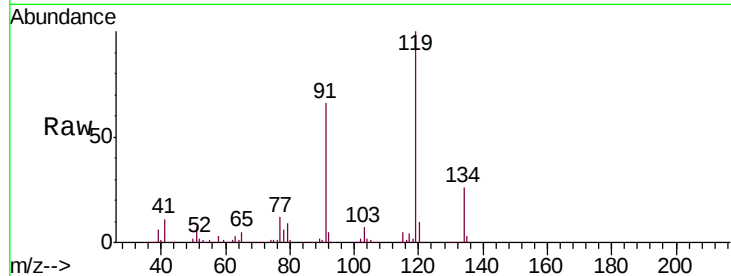




#83
 tert-Butylbenzene
 Concen: 54.417 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

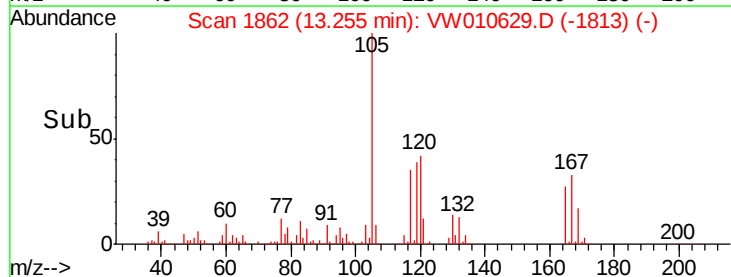
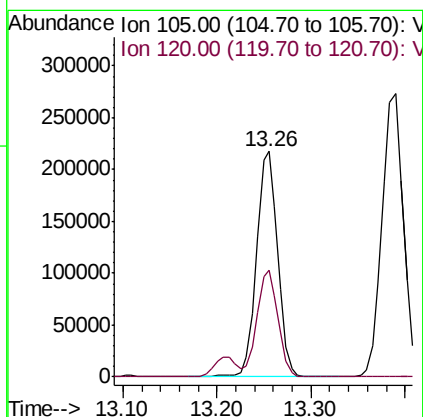
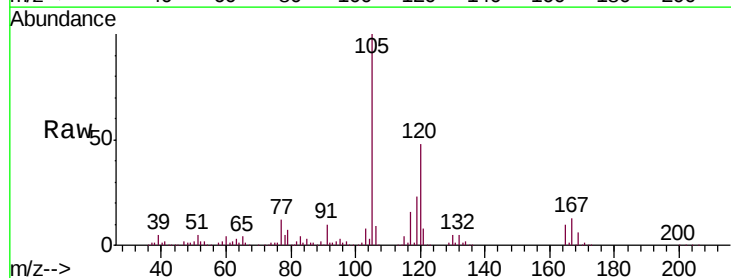
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

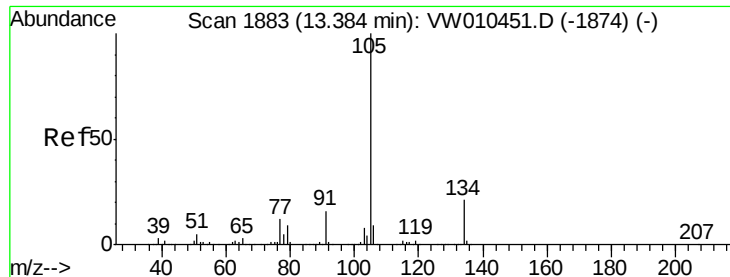
Tgt Ion:119 Resp: 318228
 Ion Ratio Lower Upper
 119 100
 91 63.1 33.1 99.5
 134 27.4 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.657 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion:105 Resp: 344442
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2

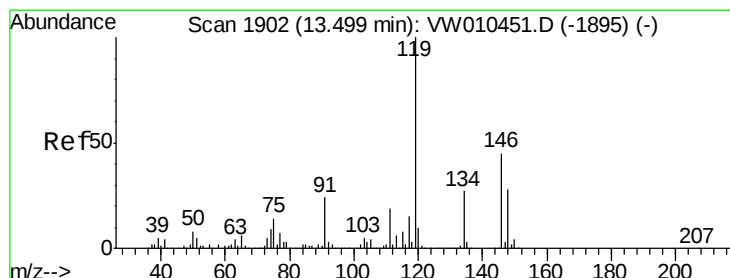
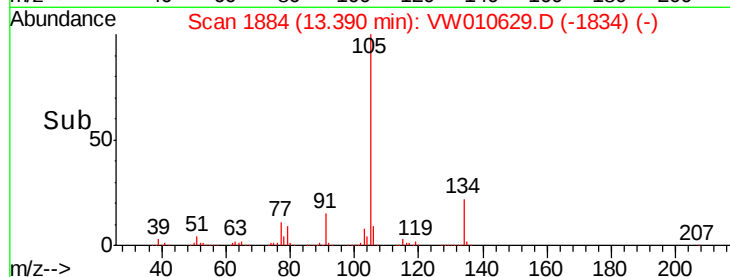
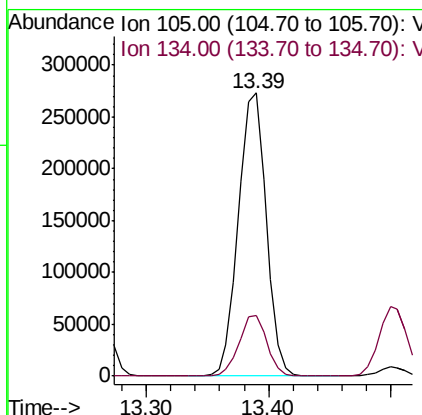
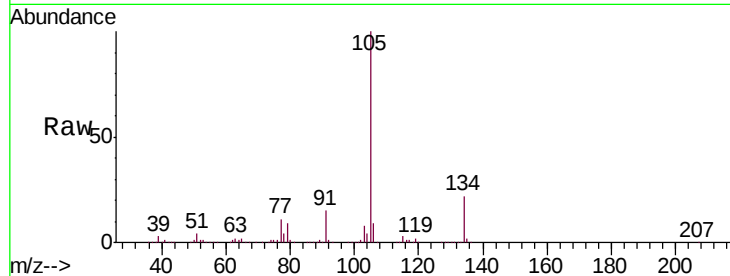




#85
 sec-Butylbenzene
 Concen: 52.628 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

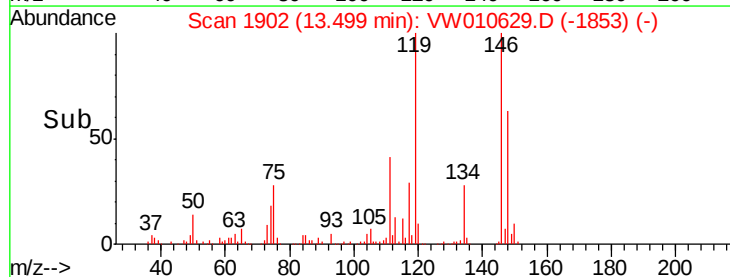
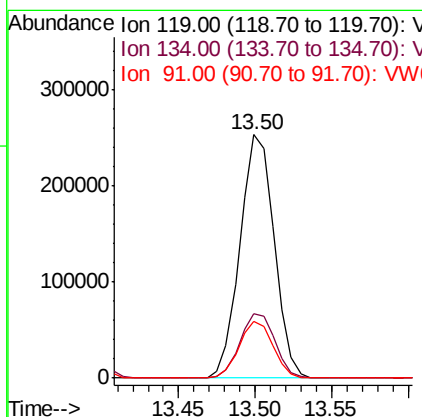
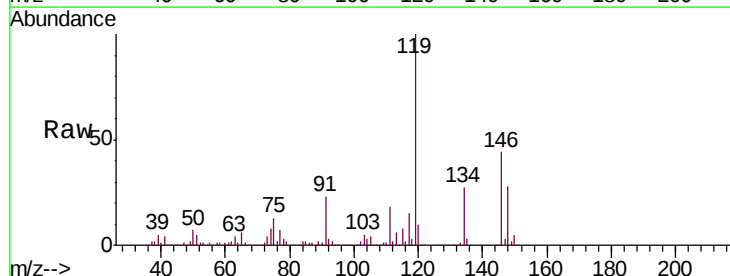
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

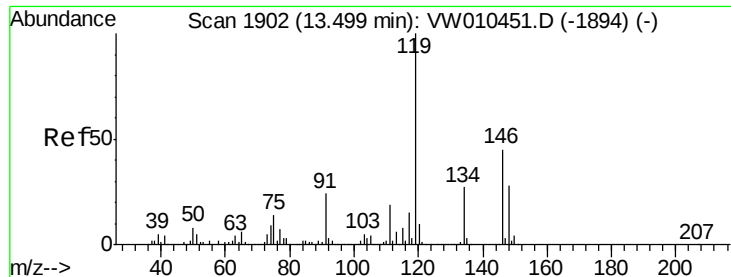
Tgt Ion:105 Resp: 430702
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 53.056 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion:119 Resp: 393017
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 23.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 53.009 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

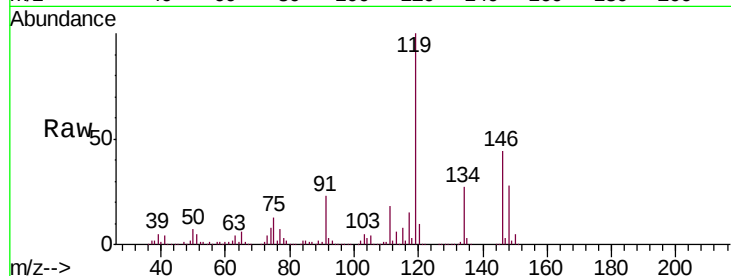
Tgt Ion:146 Resp: 183970

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

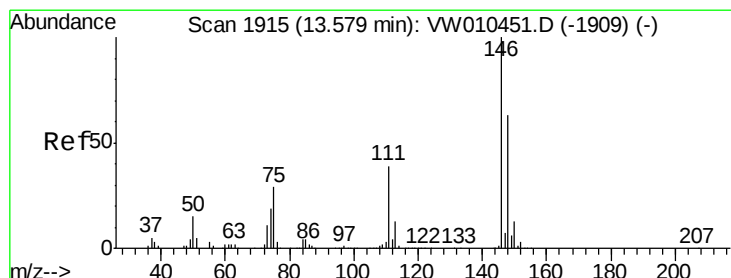
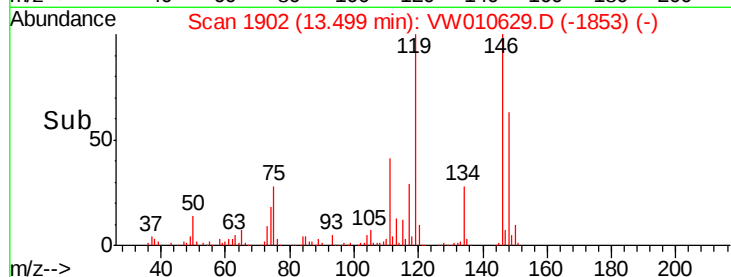
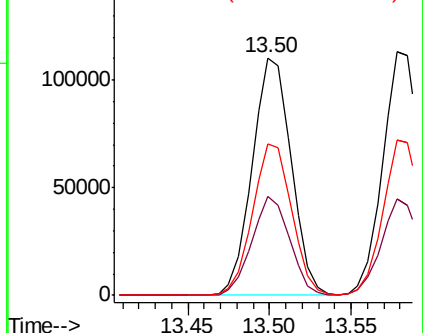
148 63.7 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 53.220 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

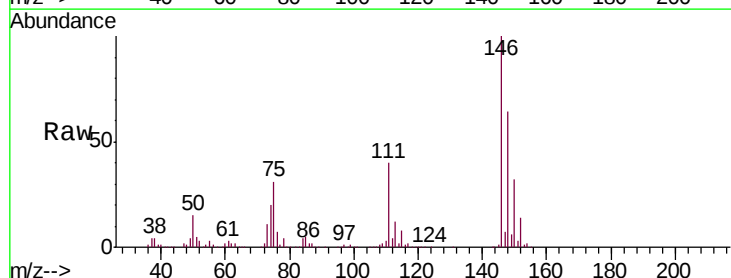
Tgt Ion:146 Resp: 185317

Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.6

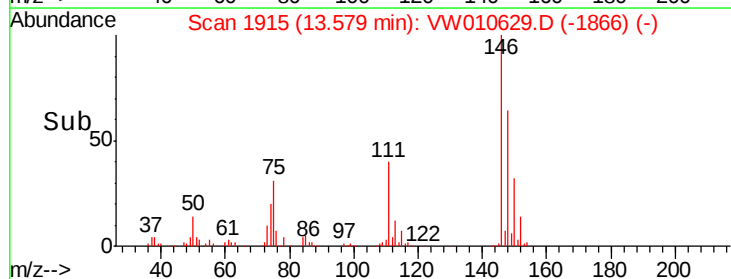
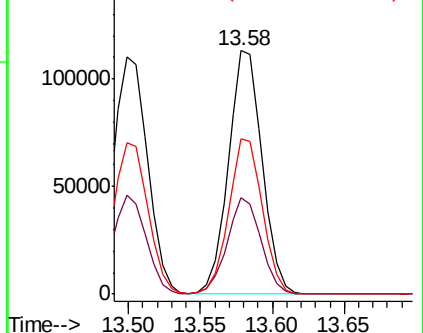
148 63.4 31.6 94.8

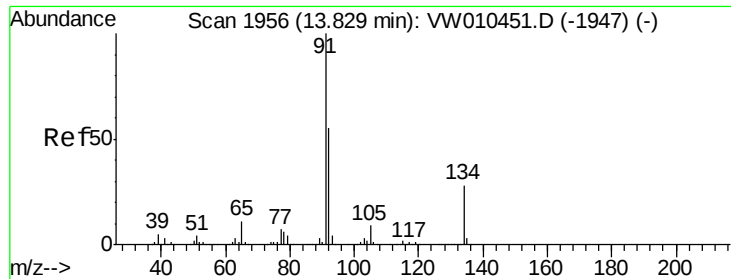


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.487 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

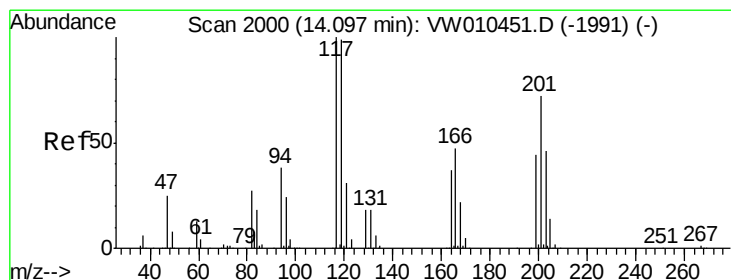
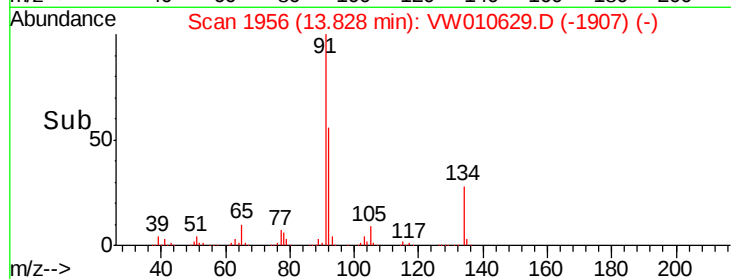
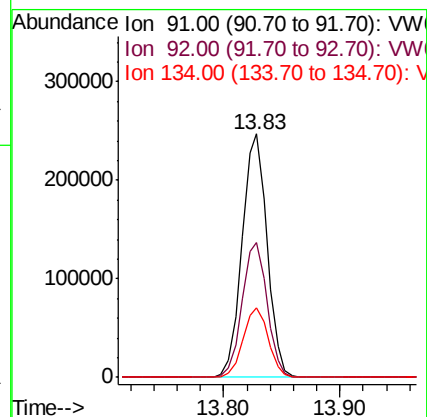
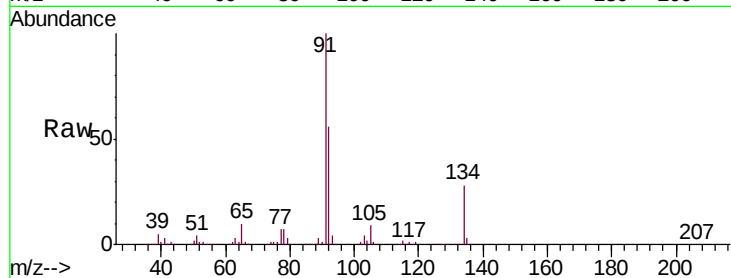
Tgt Ion: 91 Resp: 369818

Ion Ratio Lower Upper

91 100

92 55.6 27.7 83.1

134 28.6 13.9 41.6



#90

Hexachloroethane

Concen: 51.498 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010629.D

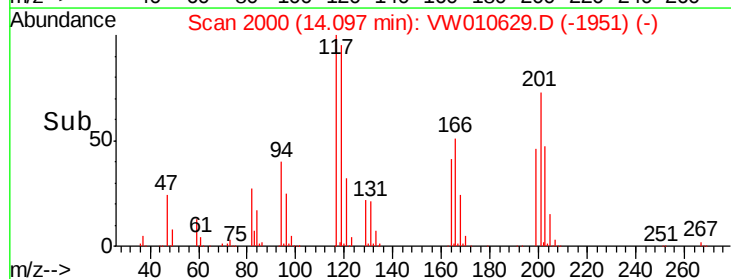
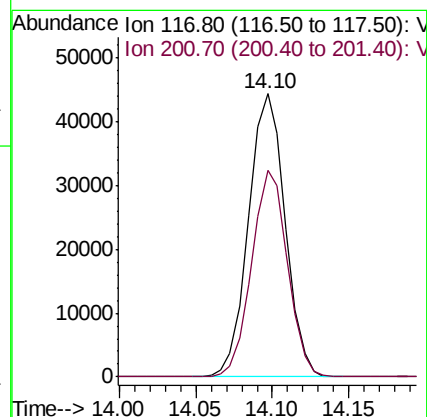
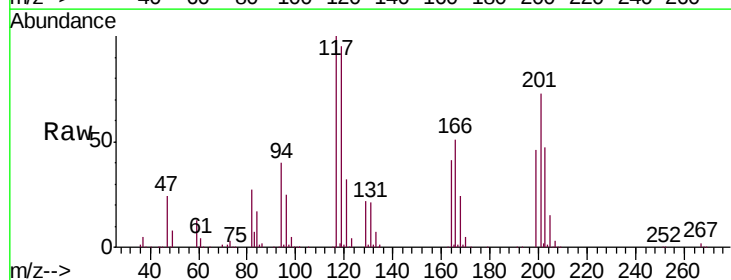
Acq: 31 May 2019 11:29

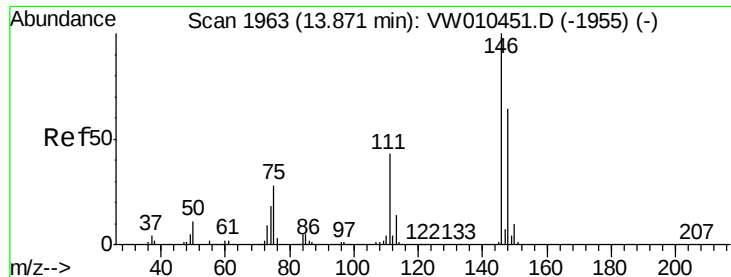
Tgt Ion: 117 Resp: 73838

Ion Ratio Lower Upper

117 100

201 71.5 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 53.051 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

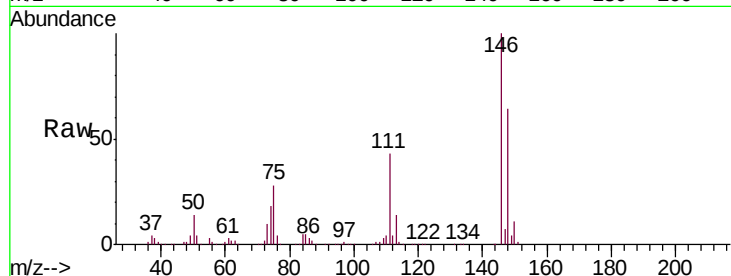
Tgt Ion:146 Resp: 167758

Ion Ratio Lower Upper

146 100

111 41.6 21.3 64.0

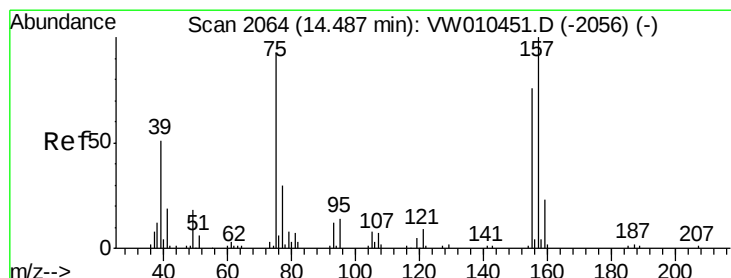
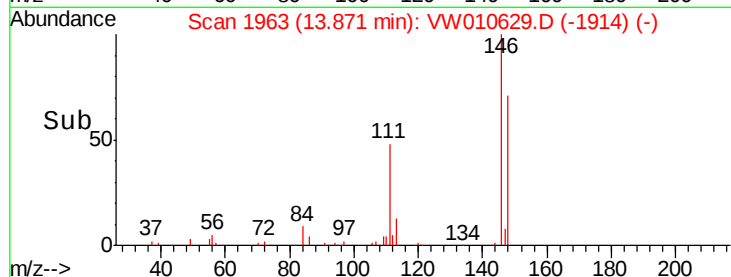
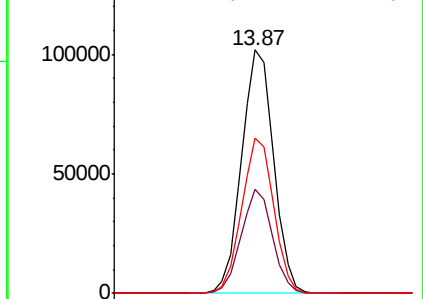
148 63.6 32.0 96.0



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: 40.827 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

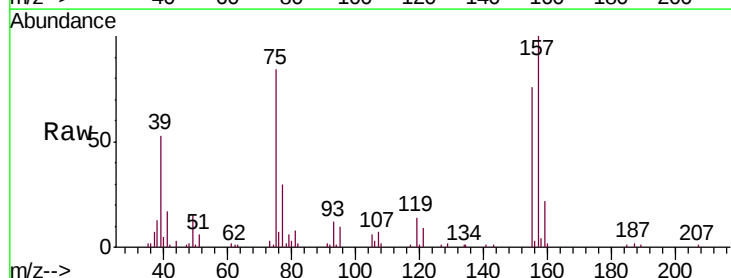
Tgt Ion: 75 Resp: 10915

Ion Ratio Lower Upper

75 100

155 93.3 43.0 129.0

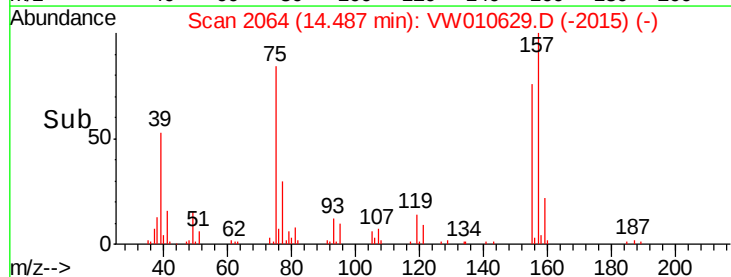
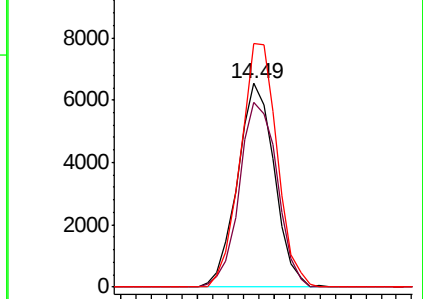
157 119.5 55.7 167.1

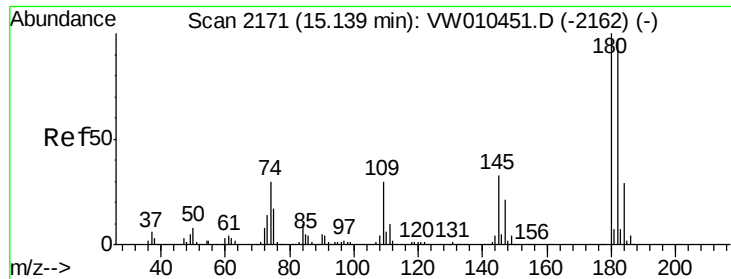


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

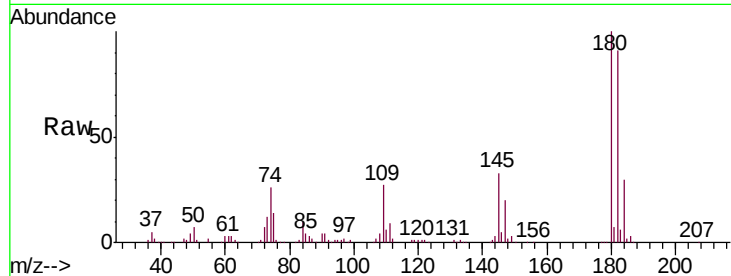




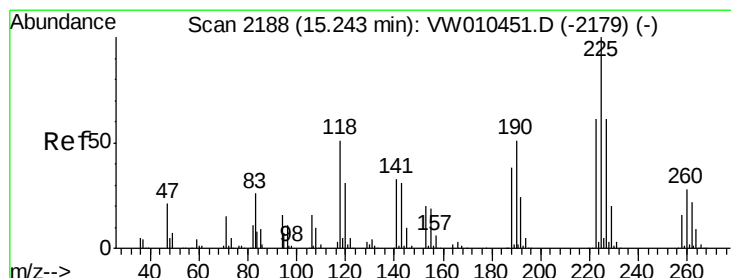
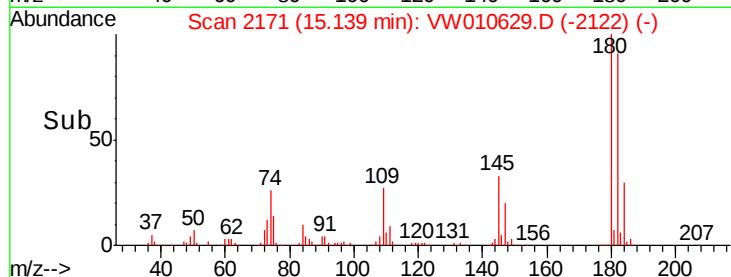
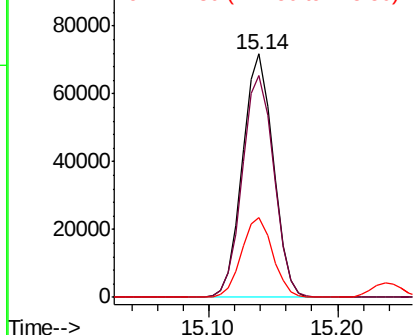
#93
 1,2,4-Trichlorobenzene
 Concen: 55.036 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 118412
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.0 141.2
 145 32.9 16.7 50.0

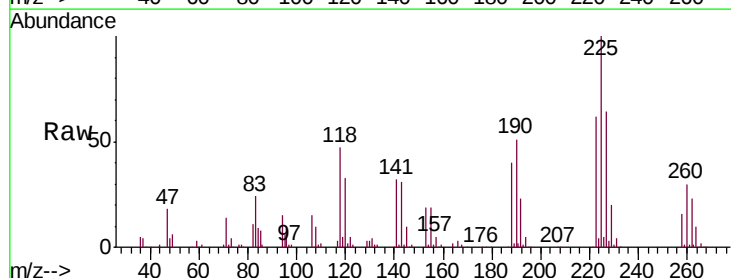


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

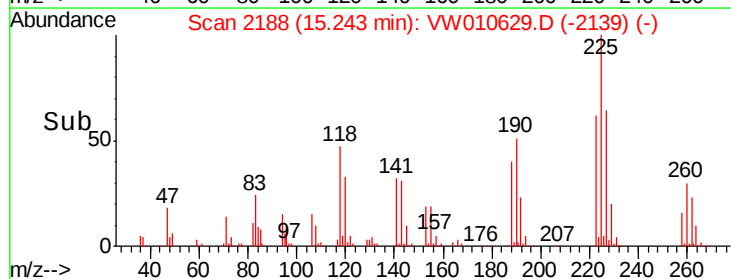
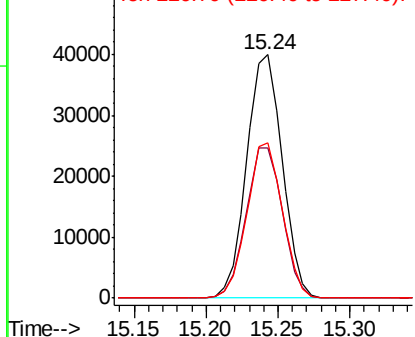


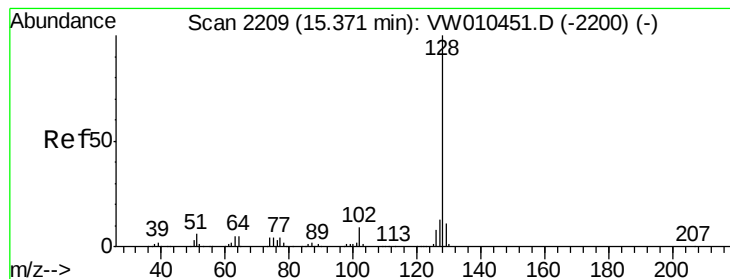
#94
 Hexachlorobutadiene
 Concen: 59.356 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion:225 Resp: 68224
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.2
 227 63.6 31.1 93.5



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





#95

Naphthalene

Concen: 45.858 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

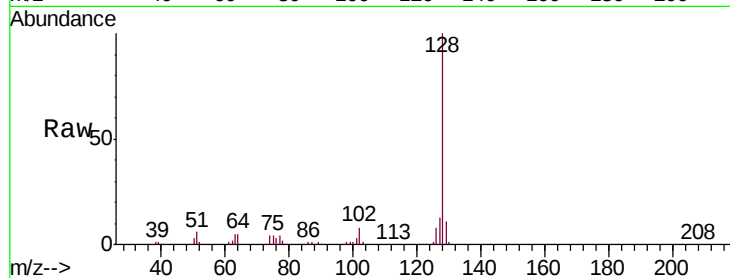
Tgt Ion:128 Resp: 207111

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

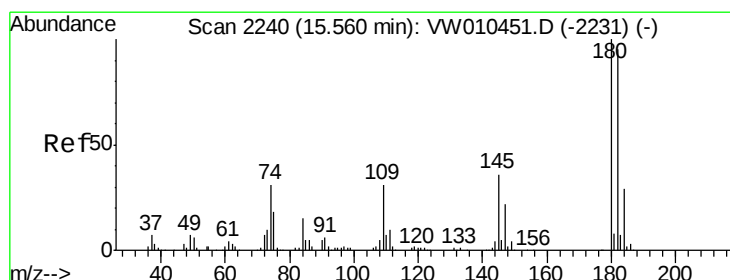
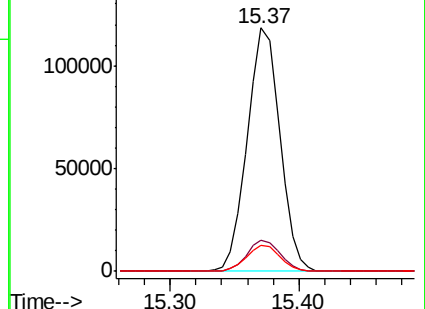
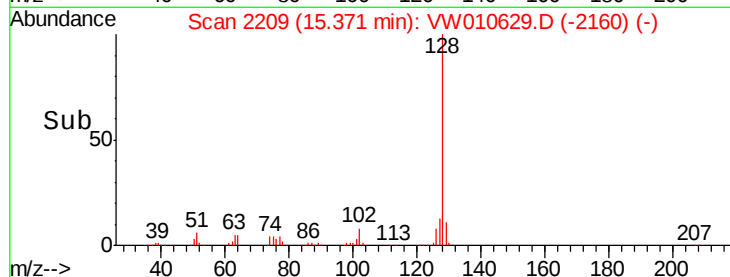
129 10.8 8.9 13.3



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: 53.264 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

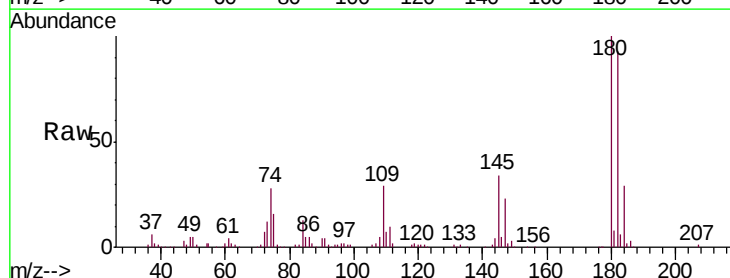
Tgt Ion:180 Resp: 98610

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 34.7 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

