

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010541.D
 Acq On : 23 May 2019 21:15
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 24 08:44:34 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	136292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	72913	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.88	113	75084	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.32	98	282236	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	110316	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	54543	44.892	ug/l	98
3) Chloromethane	2.21	50	61798	43.156	ug/l	99
4) Vinyl Chloride	2.35	62	68461	41.274	ug/l	97
5) Bromomethane	2.75	94	50721	44.449	ug/l	100
6) Chloroethane	2.90	64	47464	44.576	ug/l	99
7) Trichlorofluoromethane	3.25	101	116417	47.539	ug/l	99
8) Diethyl Ether	3.68	74	39240	50.550	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72375	47.991	ug/l	98
10) Methyl Iodide	4.26	142	85144	49.395	ug/l	97
11) Tert butyl alcohol	5.16	59	32757	258.872	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	69368	48.186	ug/l	97
13) Acrolein	3.89	56	17932	242.539	ug/l	100
14) Allyl chloride	4.67	41	98295	47.171	ug/l	99
15) Acrylonitrile	5.37	53	80459	247.490	ug/l	99
16) Acetone	4.12	43	65103	226.720	ug/l	99
17) Carbon Disulfide	4.37	76	196169	45.685	ug/l	97
18) Methyl Acetate	4.67	43	34006	48.421	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	188632	51.398	ug/l	99
20) Methylene Chloride	4.91	84	75494	44.221	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	80550	48.781	ug/l	97
22) Diisopropyl ether	6.31	45	208322	48.755	ug/l	97
23) Vinyl Acetate	6.25	43	630138	246.888	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126440	49.588	ug/l	98
25) 2-Butanone	7.17	43	102671	249.844	ug/l	97
26) 2,2-Dichloropropane	7.17	77	111086	45.736	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	90480	50.401	ug/l	99
28) Bromochloromethane	7.51	49	47039	51.526	ug/l	95
29) Tetrahydrofuran	7.53	42	68179	245.183	ug/l	97
30) Chloroform	7.68	83	138876	50.494	ug/l	96
31) Cyclohexane	7.95	56	115810	43.360	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	126882	48.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103916	47.193	ug/l	99
37) Ethyl Acetate	7.25	43	47355	50.574	ug/l	98
38) Carbon Tetrachloride	8.07	117	113966	47.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	138413	46.919	ug/l	98
40) Benzene	8.32	78	308987	50.487	ug/l	100
41) Methacrylonitrile	7.48	41	26572	47.760	ug/l	100
42) 1,2-Dichloroethane	8.40	62	88297	50.479	ug/l	99
43) Isopropyl Acetate	8.43	43	92237	49.308	ug/l	99
44) Trichloroethene	9.09	130	91376	50.292	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72793	50.081	ug/l	99
46) Dibromomethane	9.46	93	43627	51.323	ug/l	96
47) Bromodichloromethane	9.65	83	106290	49.758	ug/l	98
48) Methyl methacrylate	9.43	41	41194	48.135	ug/l	96
49) 1,4-Dioxane	9.45	88	14523	1045.875	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	237412	250.462	ug/l	99
52) Toluene	10.39	92	206214	50.172	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	106482	49.219	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	122863	49.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	64319	52.618	ug/l	99
56) Ethyl methacrylate	10.65	69	84545	50.150	ug/l	98
57) 1,3-Dichloropropane	10.93	76	105894	51.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	198002	265.164	ug/l	98
59) 2-Hexanone	10.97	43	165232	244.361	ug/l	99
60) Dibromochloromethane	11.13	129	80747	52.195	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64931	52.438	ug/l	99
64) Tetrachloroethene	10.86	164	78489	52.548	ug/l	98
65) Chlorobenzene	11.66	112	229567	50.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82719	50.566	ug/l	100
67) Ethyl Benzene	11.73	91	386855	47.982	ug/l	98
68) m/p-Xylenes	11.84	106	309324	97.813	ug/l	99
69) o-Xylene	12.16	106	150042	50.077	ug/l	97
70) Styrene	12.18	104	255841	50.326	ug/l	99
71) Bromoform	12.35	173	45725	50.758	ug/l #	100
73) Isopropylbenzene	12.46	105	398542	47.071	ug/l	100
74) N-amyl acetate	12.27	43	88294	45.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	72866	47.316	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	90901	83.931	ug/l	27
77) Bromobenzene	12.75	156	95229	50.260	ug/l	96
78) n-propylbenzene	12.80	91	451166	45.725	ug/l	100
79) 2-Chlorotoluene	12.90	91	267095	46.678	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	336199	46.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22547	43.448	ug/l	98
82) 4-Chlorotoluene	12.99	91	279628	47.081	ug/l	99
83) tert-Butylbenzene	13.21	119	289655	46.243	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	337629	47.274	ug/l	100
85) sec-Butylbenzene	13.38	105	401690	45.825	ug/l	100
86) p-Isopropyltoluene	13.50	119	365355	46.048	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	180507	48.559	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	183677	49.248	ug/l	99
89) n-Butylbenzene	13.83	91	342022	45.320	ug/l	99
90) Hexachloroethane	14.10	117	70235	45.734	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	169177	49.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13200	46.097	ug/l	95

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QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

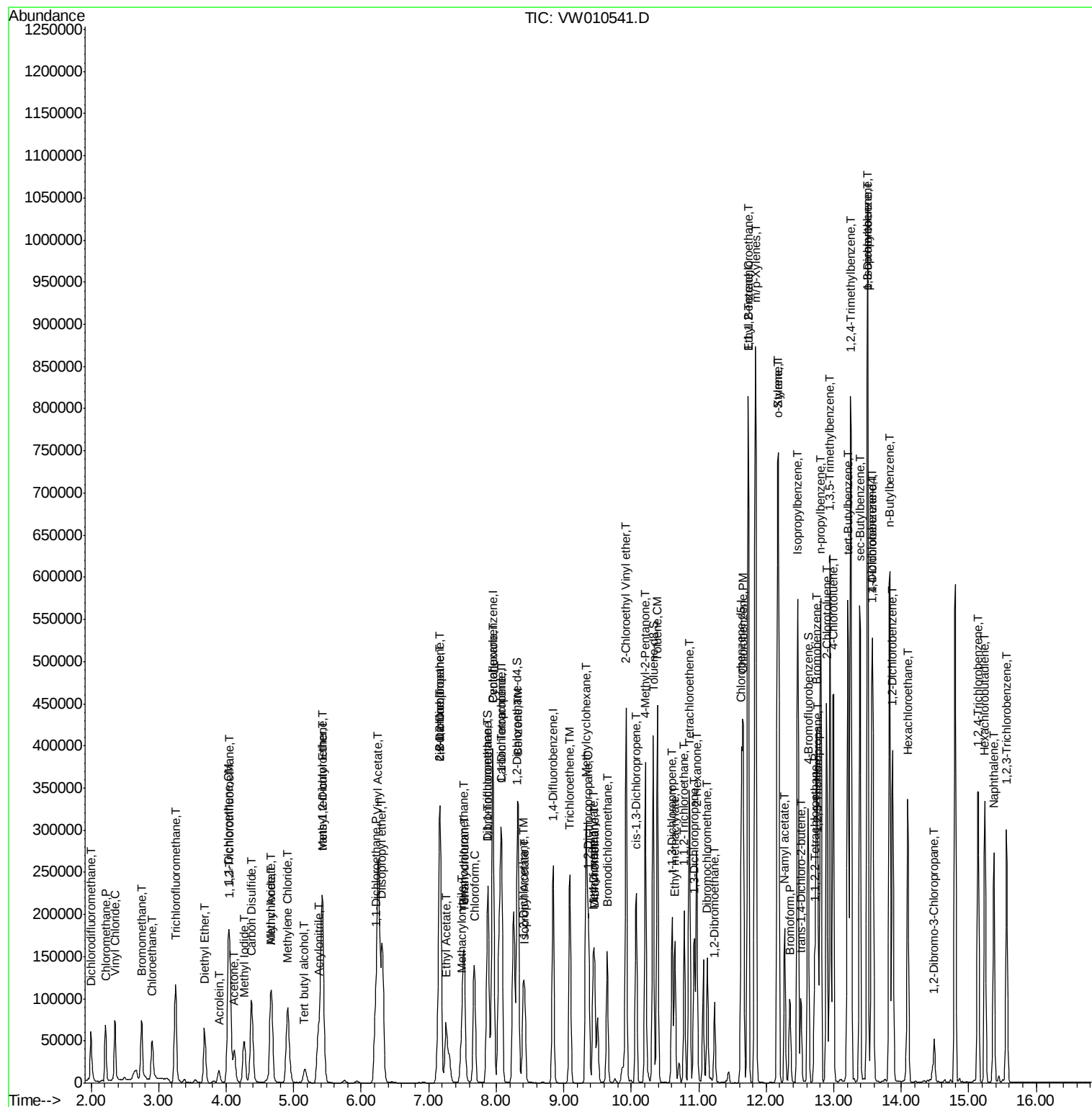
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	116554	50.576	ug/l	99
94) Hexachlorobutadiene	15.24	225	60395	49.057	ug/l	98
95) Naphthalene	15.37	128	240175	49.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	101906	51.391	ug/l	99

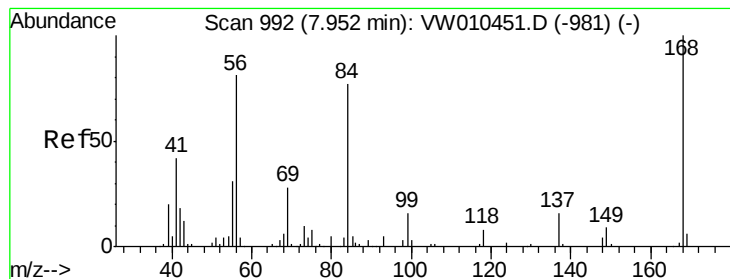
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

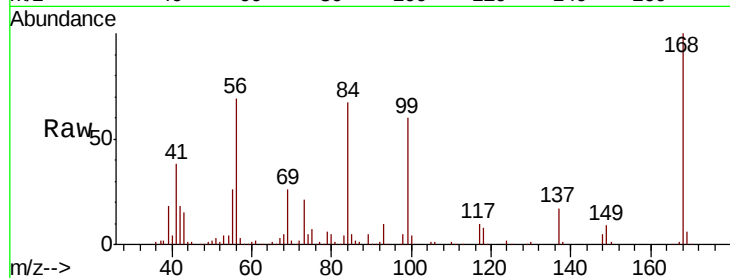
VSTDCCC050EC

Tot Ion:168 Resp: 136292

Ion Ratio Lower Upper

168 100

99 60.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

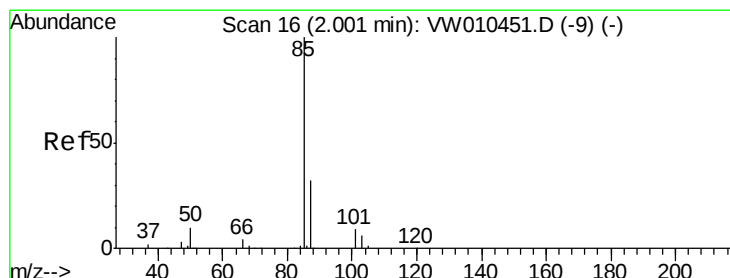
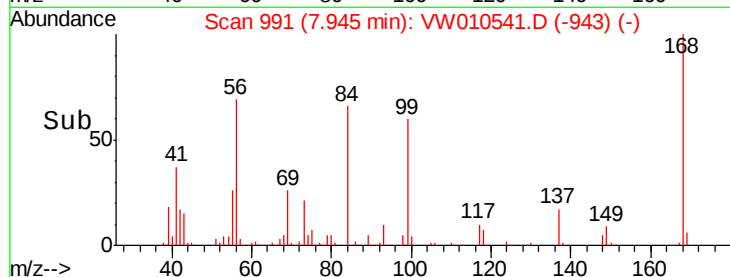
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.892 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010541.D

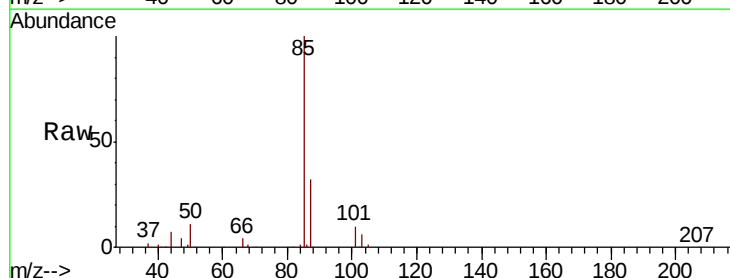
Acq: 23 May 2019 21:15

Tgt Ion: 85 Resp: 54543

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

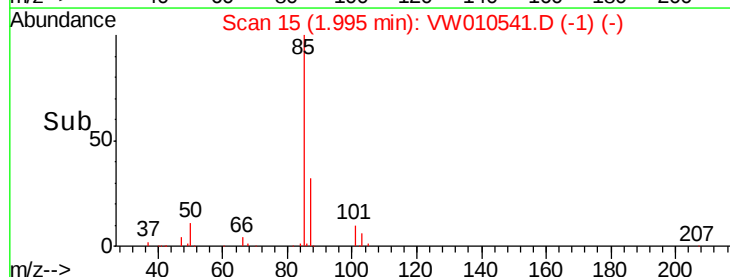
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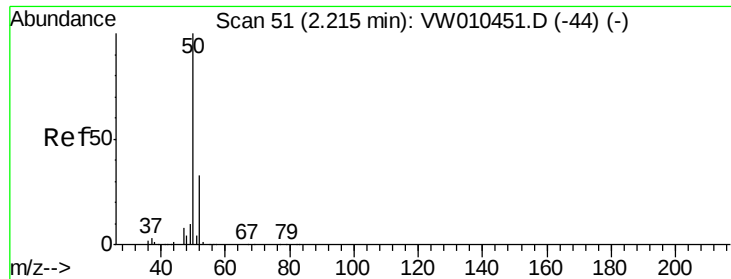
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.156 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

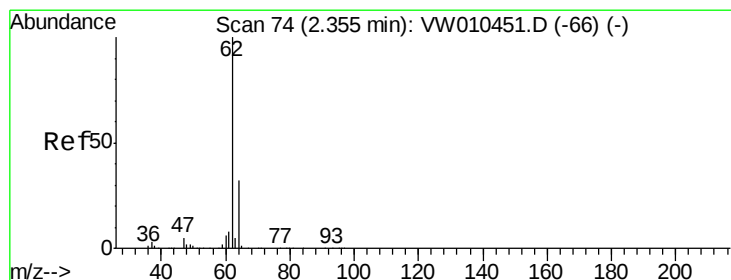
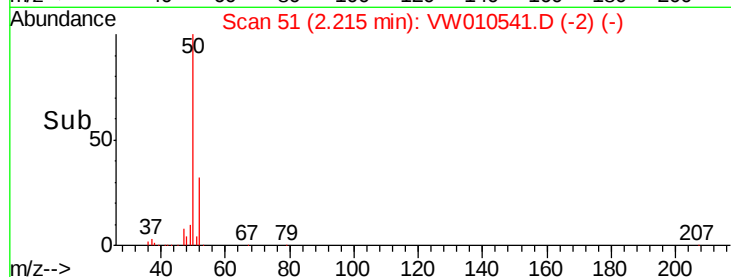
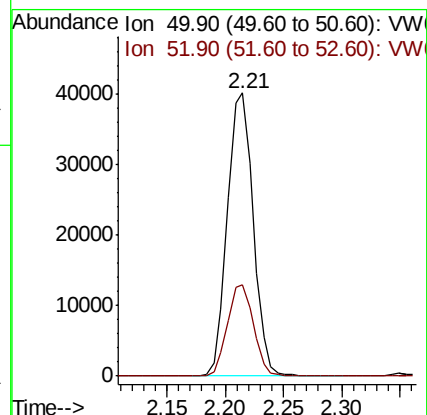
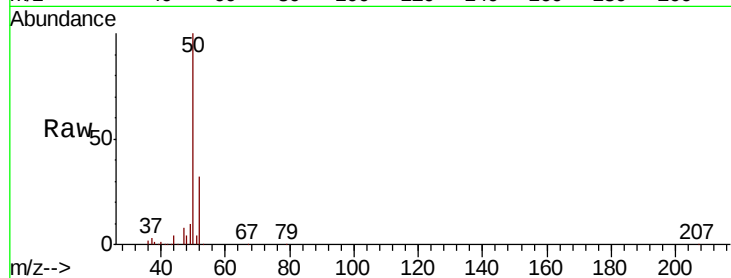
VSTDCCC050EC

Tot Ion: 50 Resp: 61798

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 41.274 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010541.D

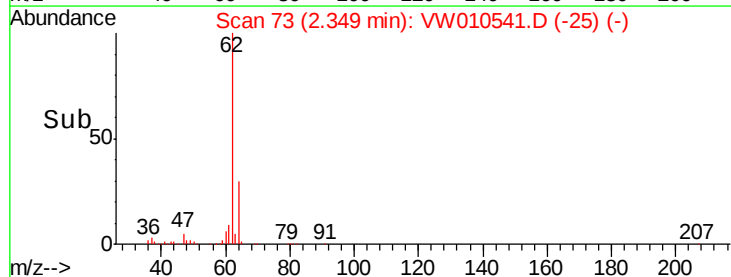
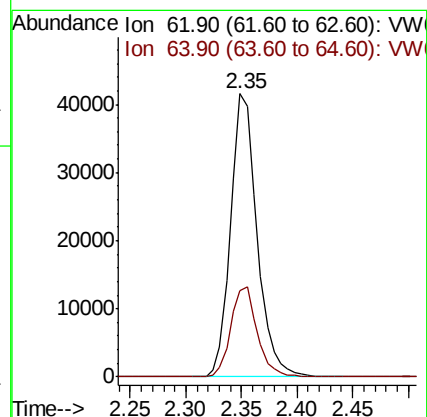
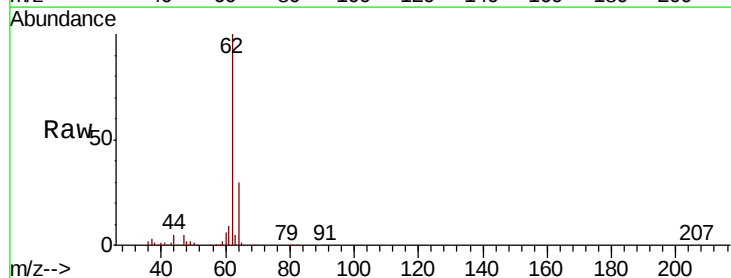
Acq: 23 May 2019 21:15

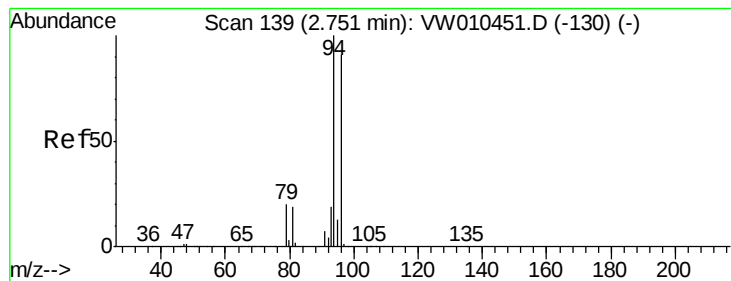
Tgt Ion: 62 Resp: 68461

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 44.449 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

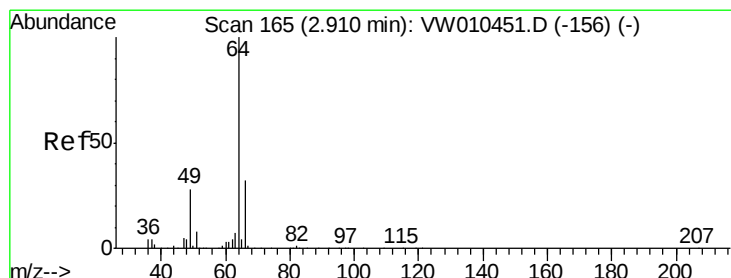
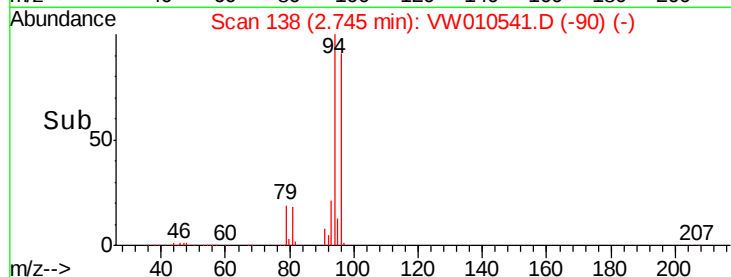
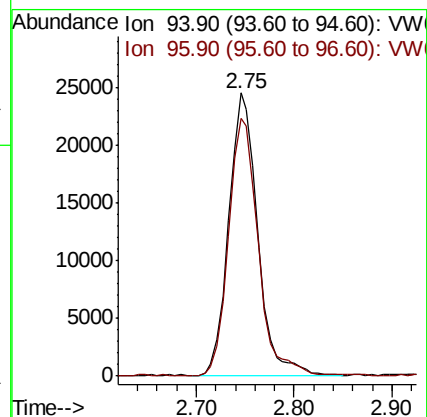
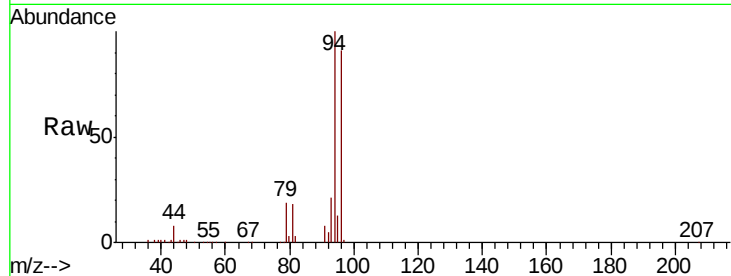
VSTDCCC050EC

Tot Ion: 94 Resp: 50721

Ion Ratio Lower Upper

94 100

96 90.9 72.9 109.3



#6

Chloroethane

Concen: 44.576 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010541.D

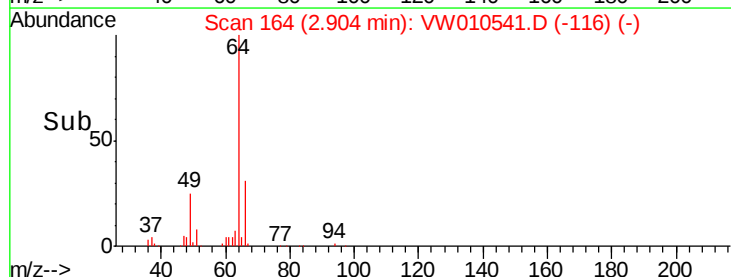
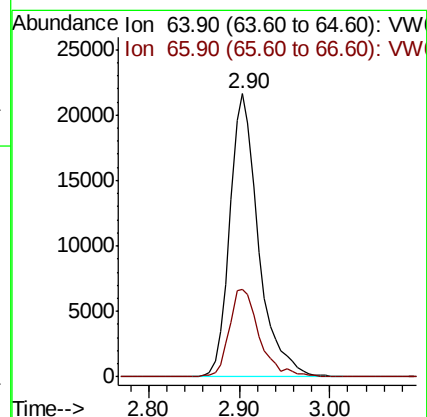
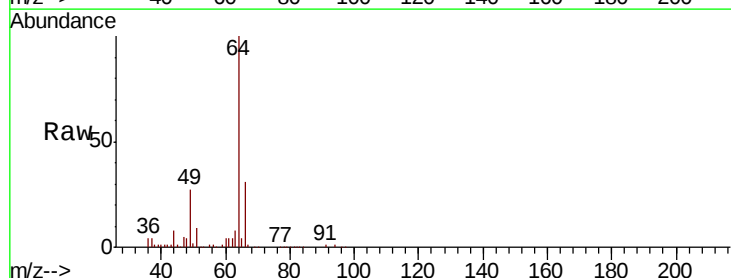
Acq: 23 May 2019 21:15

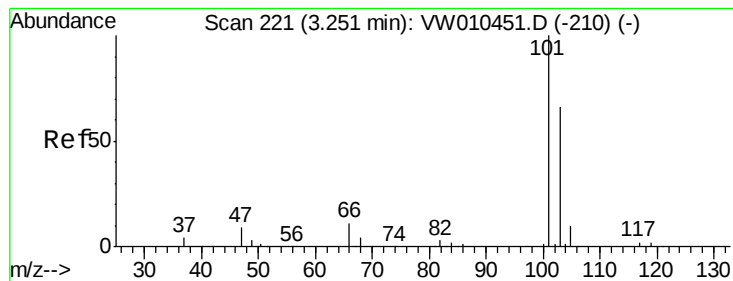
Tgt Ion: 64 Resp: 47464

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



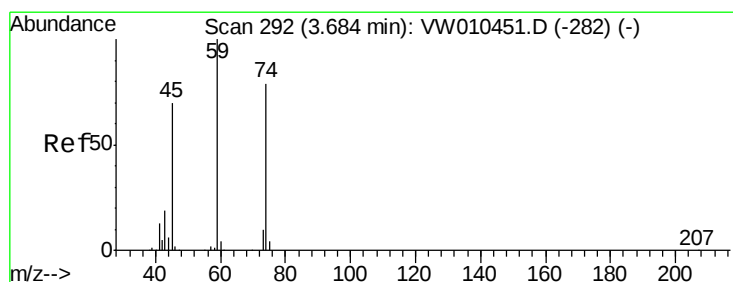
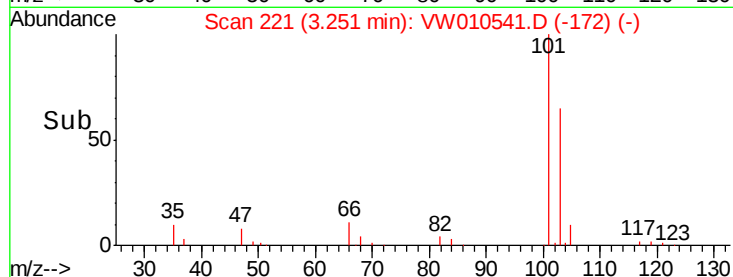
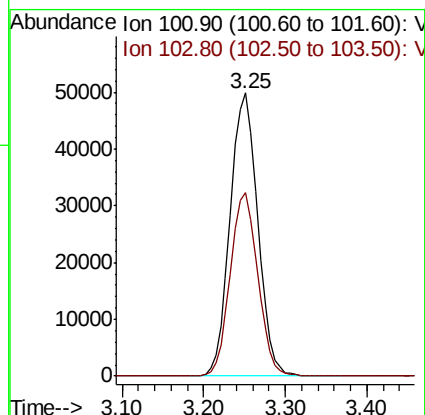
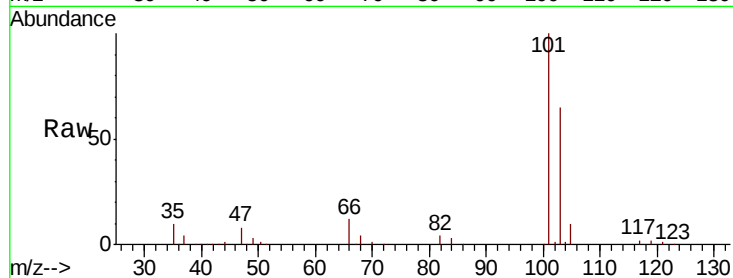


#7

Trichlorofluoromethane
 Concen: 47.539 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010541.D
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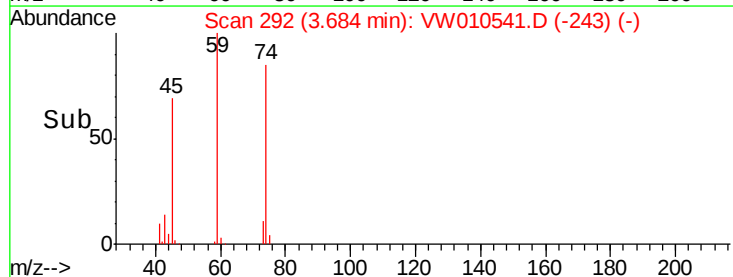
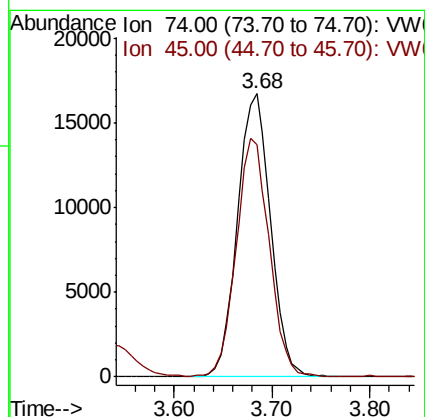
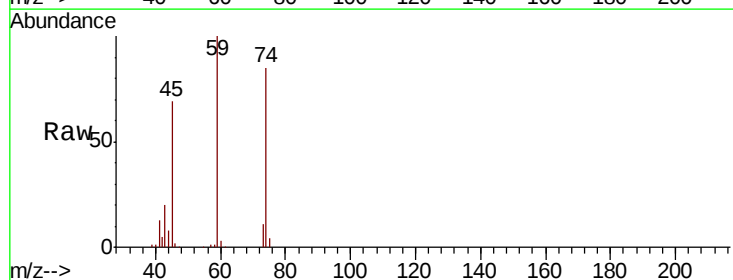
Tot Ion:101 Resp: 116417
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.0 79.4

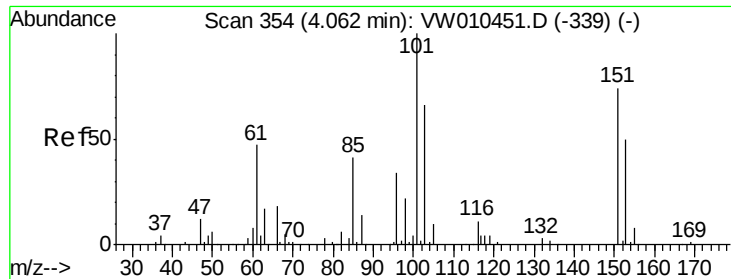


#8

Diethyl Ether
 Concen: 50.550 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 74 Resp: 39240
 Ion Ratio Lower Upper
 74 100
 45 84.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.991 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

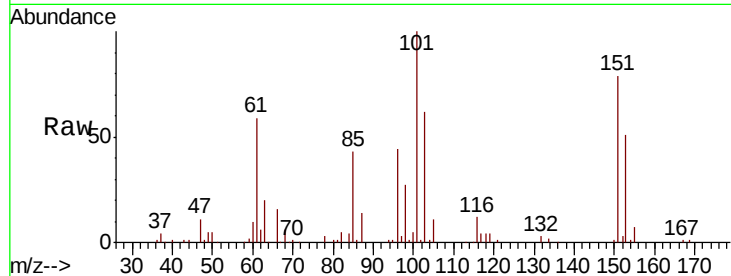
Tot Ion:101 Resp: 72375

Ion Ratio Lower Upper

101 100

85 41.7 34.3 51.5

151 77.3 60.3 90.5

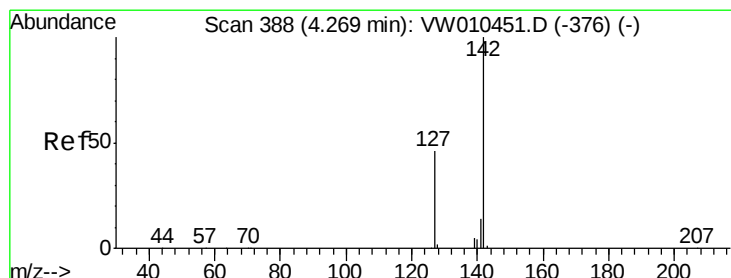
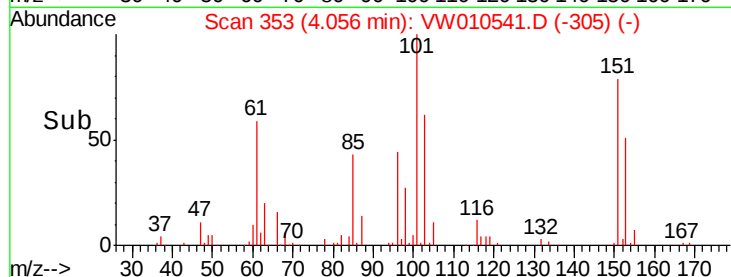
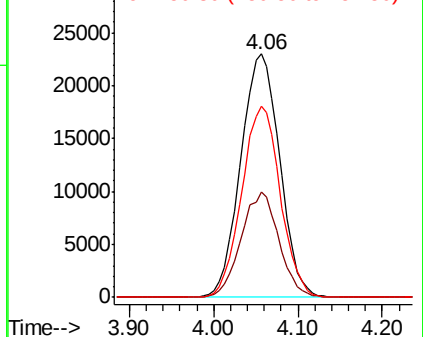


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.395 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

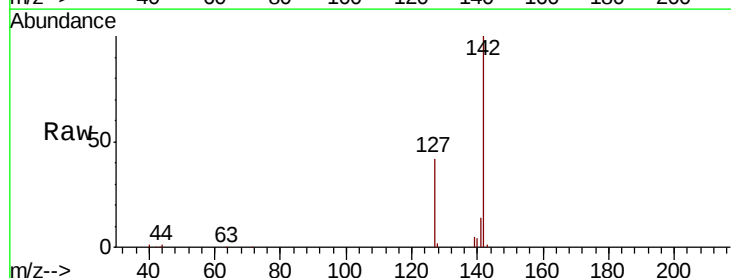
Tgt Ion:142 Resp: 85144

Ion Ratio Lower Upper

142 100

127 43.0 36.1 54.1

141 13.9 11.3 16.9

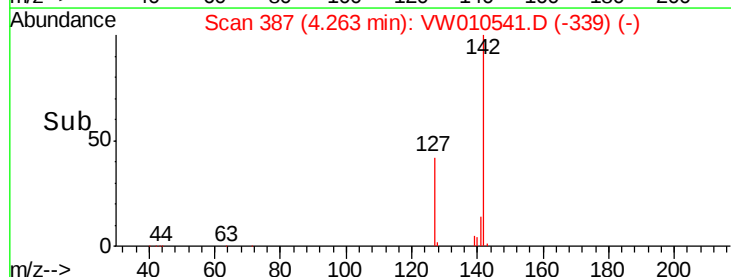
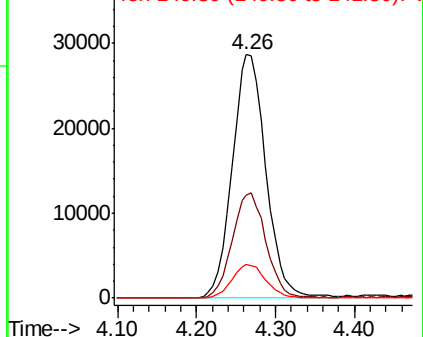


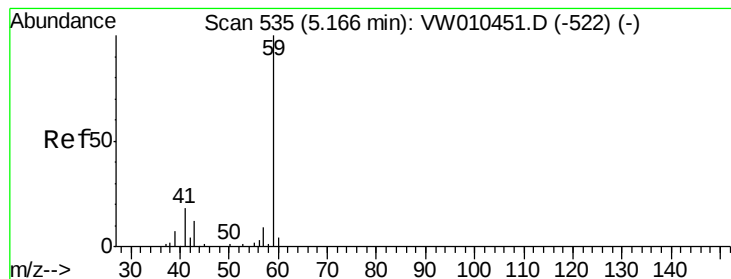
Abundance

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



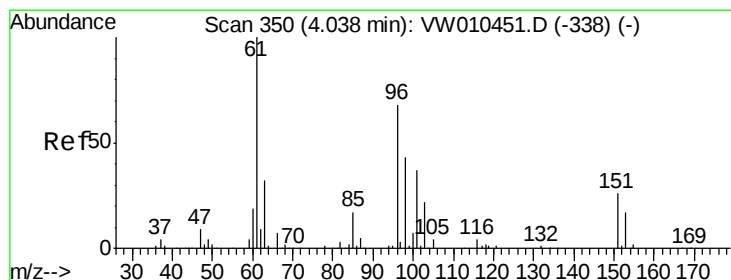
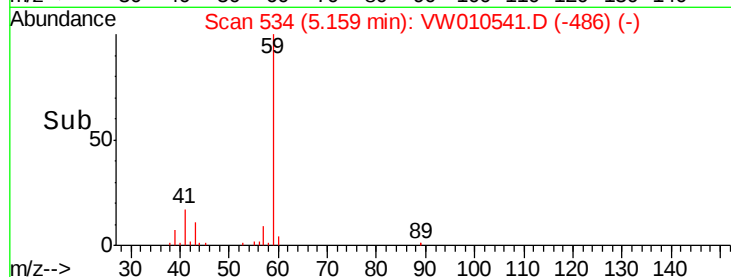
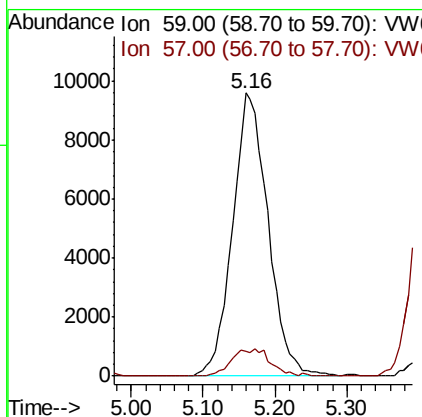
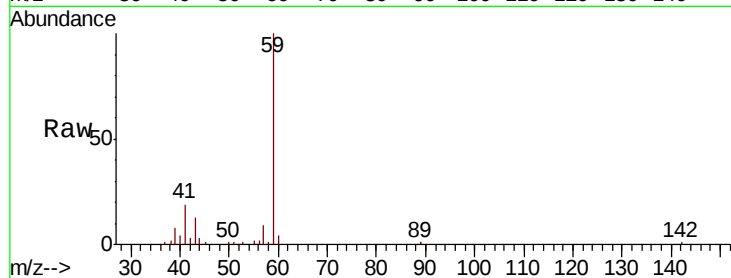


#11

Tert butyl alcohol
 Concen: 258.872 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

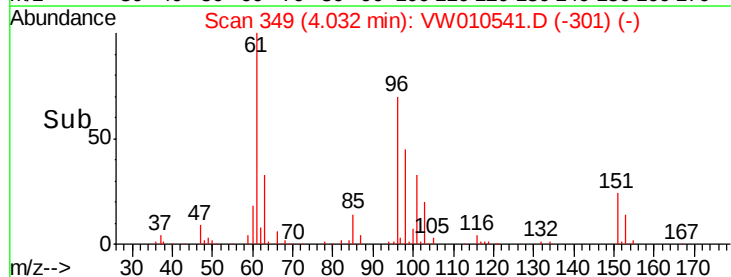
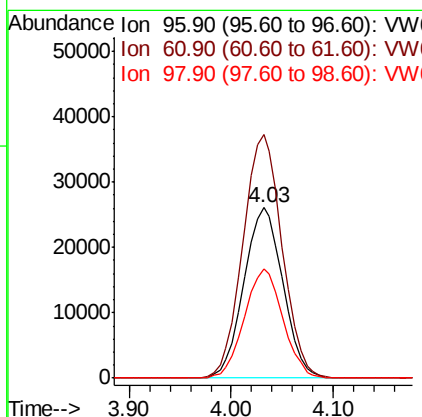
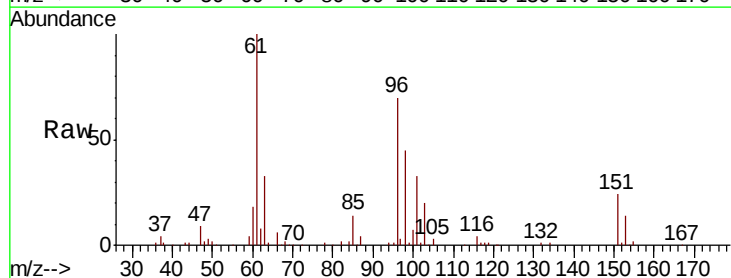
Tot Ion: 59 Resp: 32757
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.8 13.2#

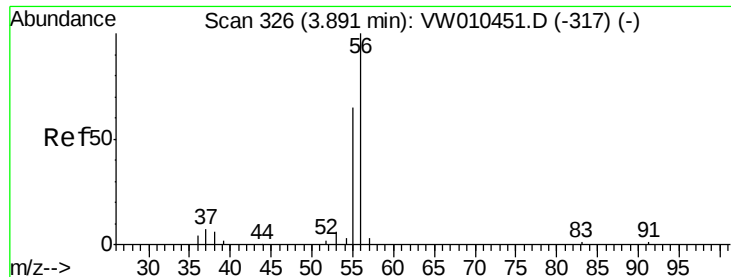


#12

1,1-Dichloroethene
 Concen: 48.186 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 96 Resp: 69368
 Ion Ratio Lower Upper
 96 100
 61 142.9 118.3 177.5
 98 63.8 51.0 76.6

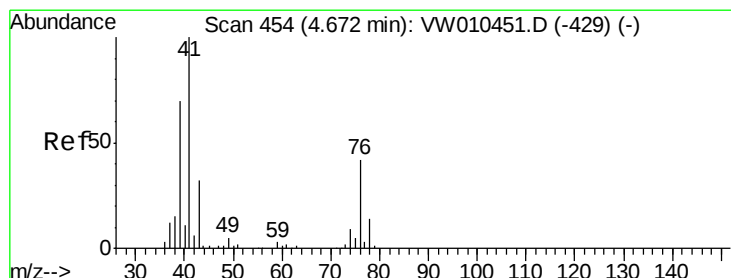
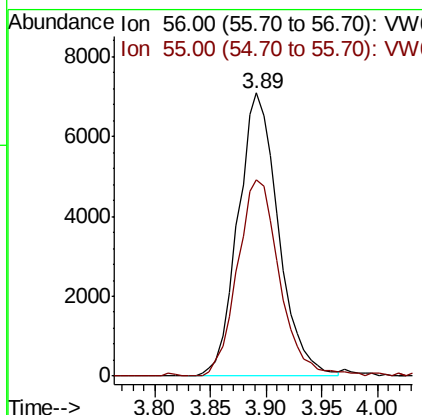
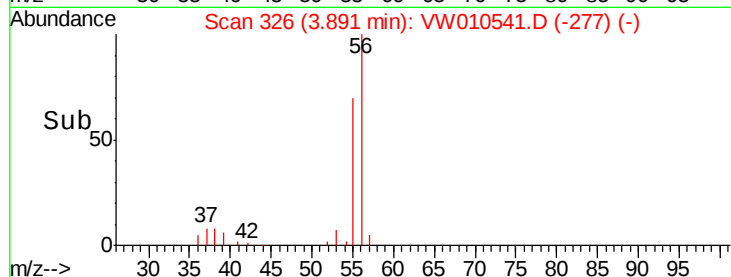
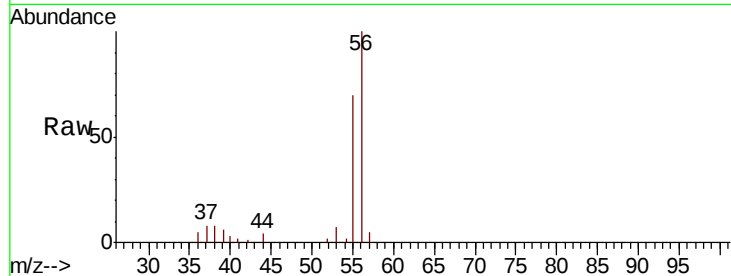




#13
 Acrolein
 Concen: 242.539 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

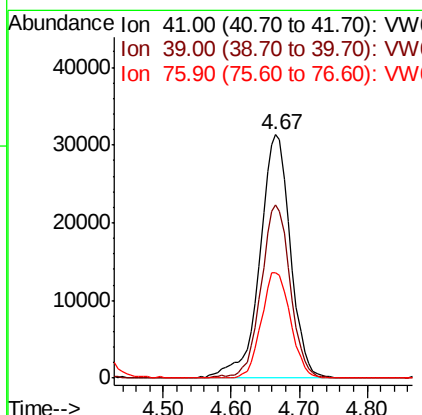
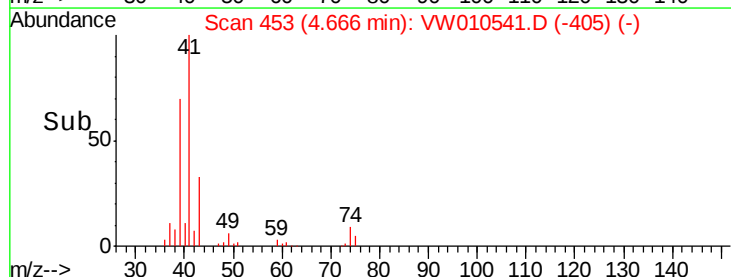
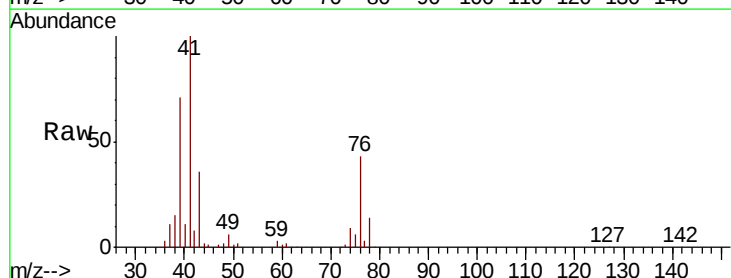
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

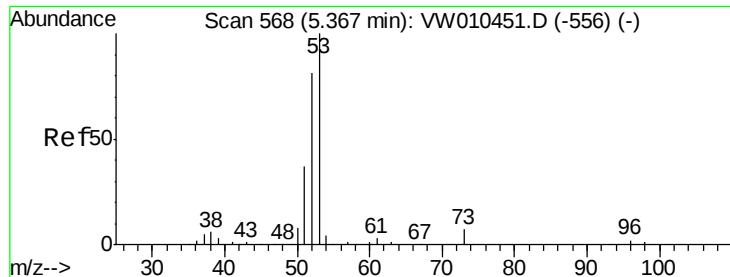
Tot Ion: 56 Resp: 17932
 Ion Ratio Lower Upper
 56 100
 55 72.2 57.9 86.9



#14
 Allyl chloride
 Concen: 47.171 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 41 Resp: 98295
 Ion Ratio Lower Upper
 41 100
 39 68.1 55.0 82.4
 76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 247.490 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

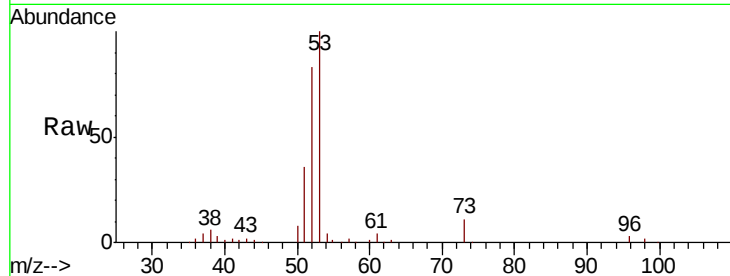
Tot Ion: 53 Resp: 80459

Ion Ratio Lower Upper

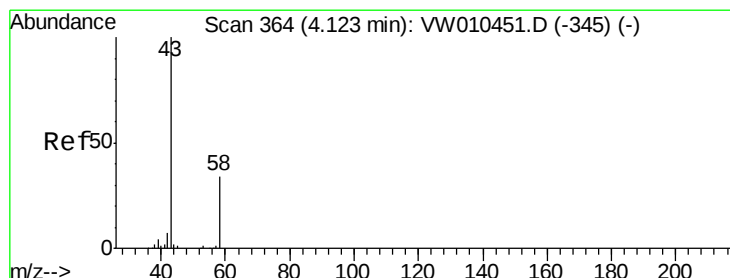
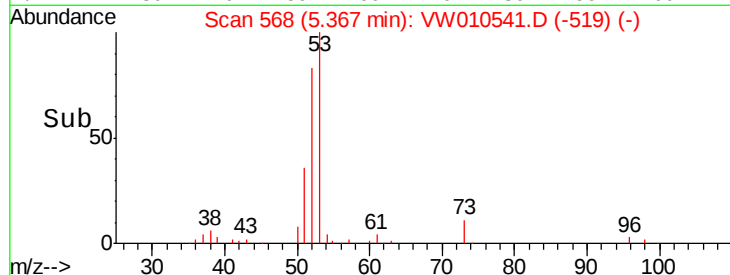
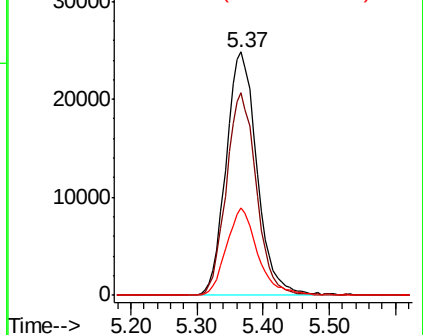
53 100

52 81.0 65.6 98.4

51 36.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 226.720 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010541.D

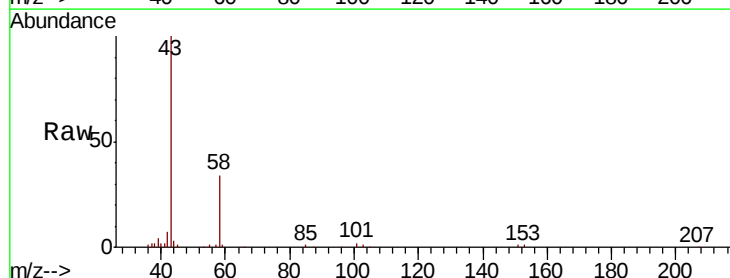
Acq: 23 May 2019 21:15

Tgt Ion: 43 Resp: 65103

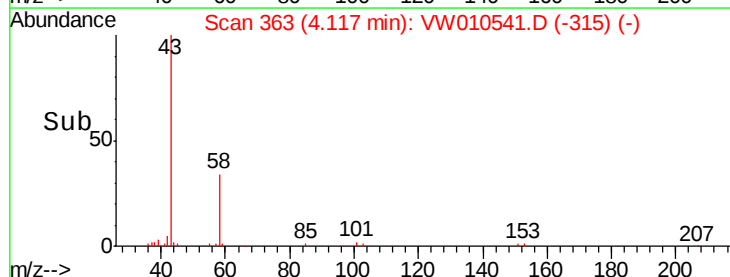
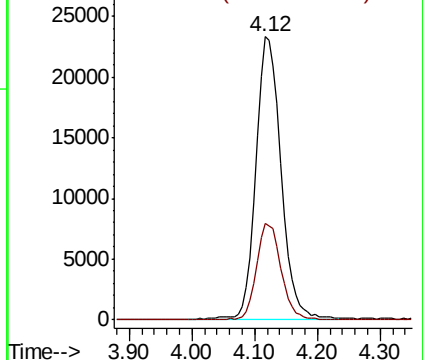
Ion Ratio Lower Upper

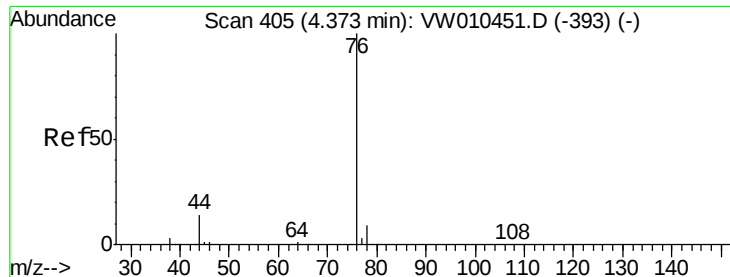
43 100

58 34.1 27.0 40.4



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

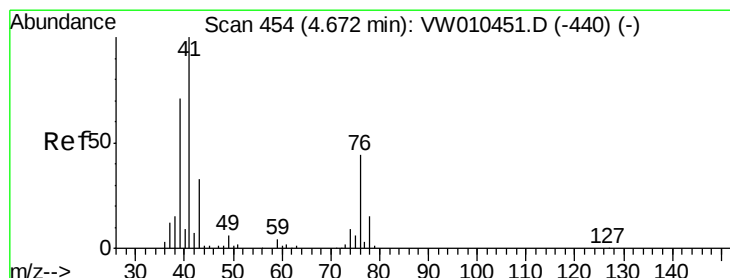
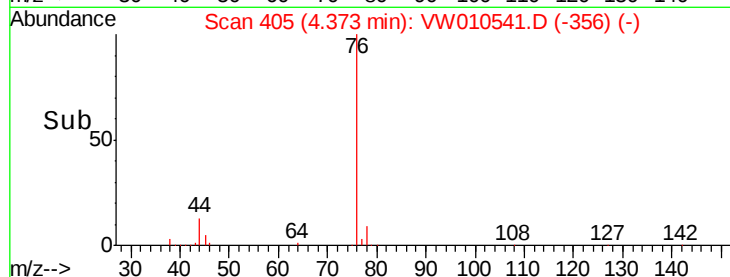
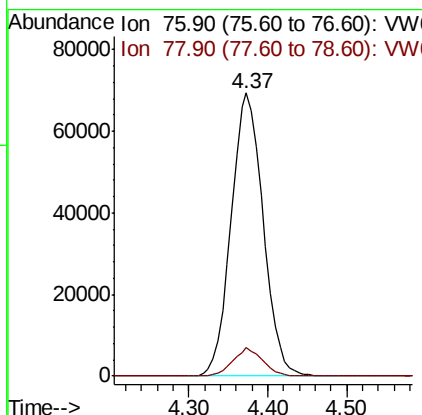
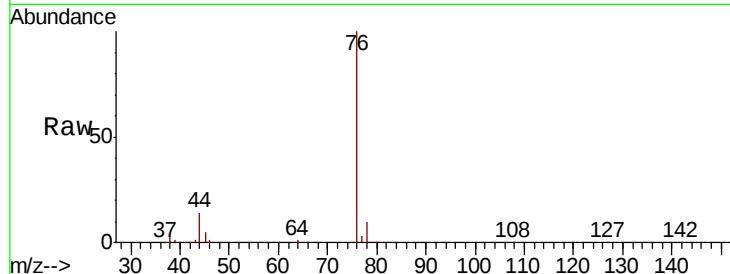




#17
Carbon Disulfide
Concen: 45.685 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

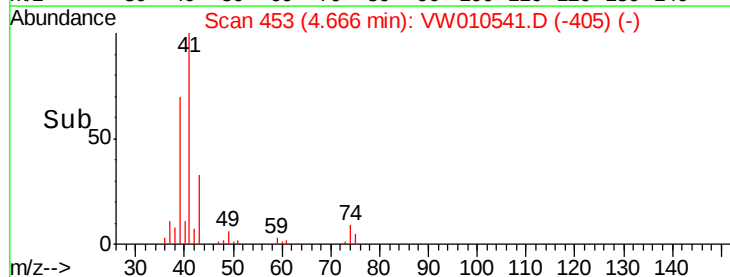
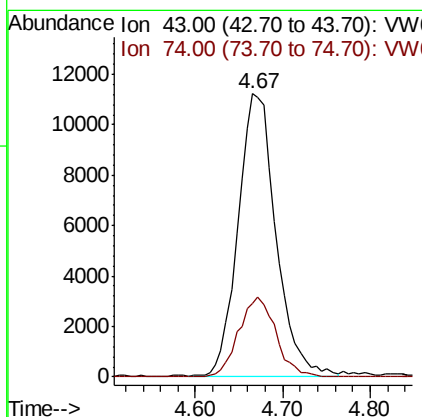
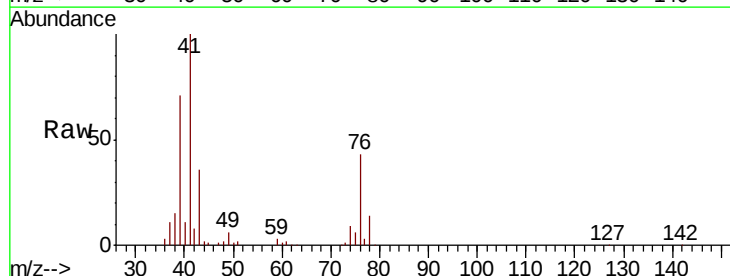
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

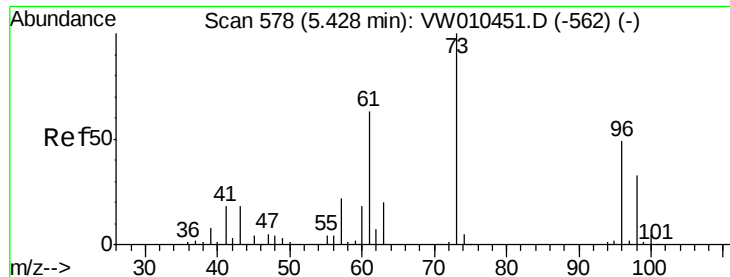
Tot Ion: 76 Resp: 196169
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 48.421 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 43 Resp: 34006
Ion Ratio Lower Upper
43 100
74 27.5 21.6 32.4

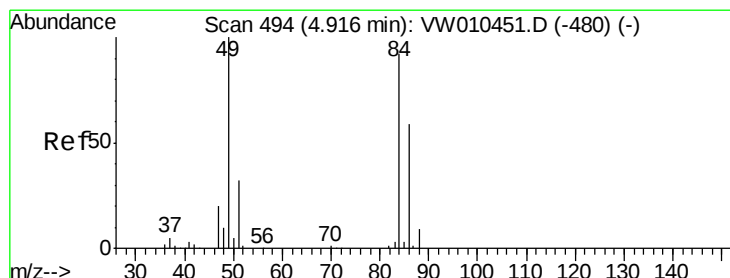
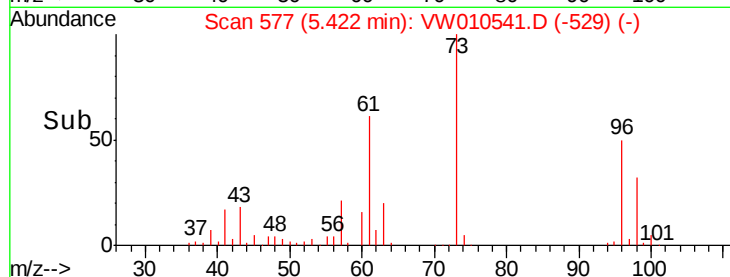
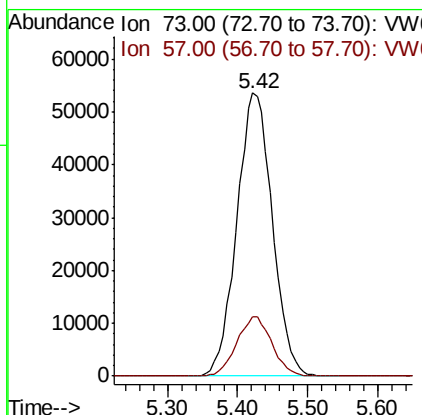
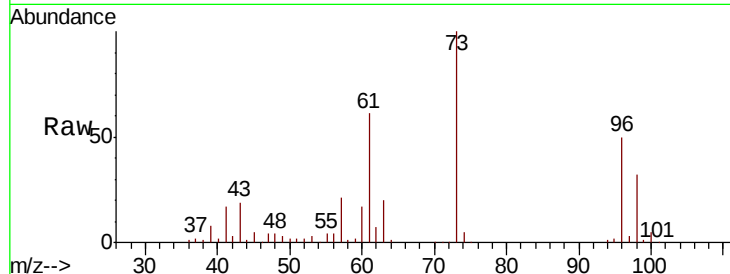




#19
Methyl tert-butyl Ether
Concen: 51.398 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

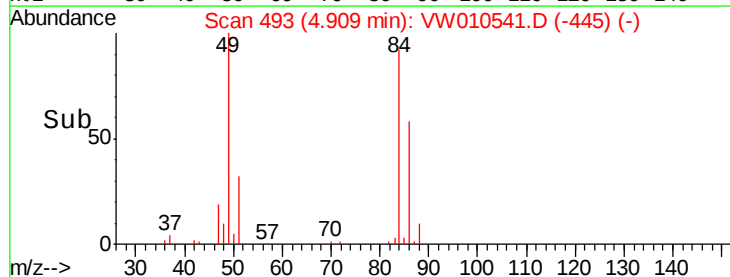
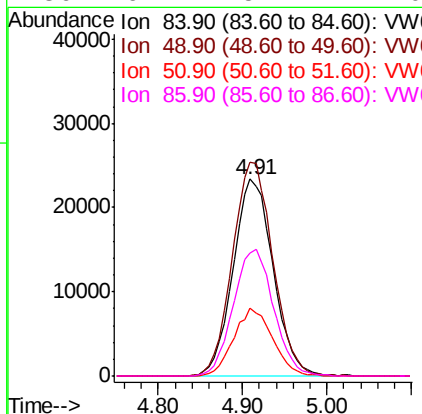
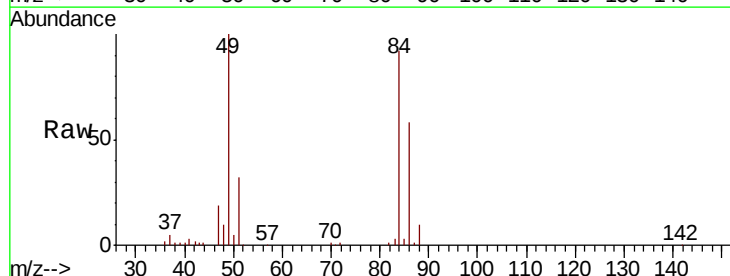
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

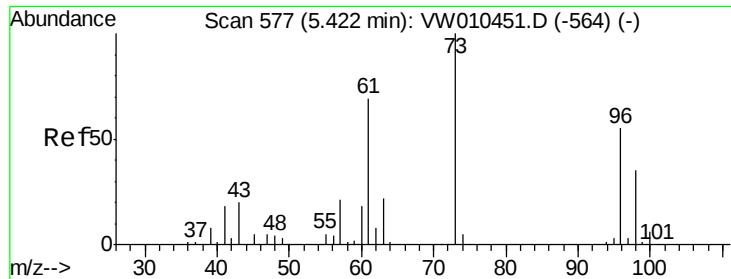
Tot Ion: 73 Resp: 188632
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0



#20
Methylene Chloride
Concen: 44.221 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 84 Resp: 75494
Ion Ratio Lower Upper
84 100
49 108.5 87.2 130.8
51 34.7 27.7 41.5
86 62.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.781 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

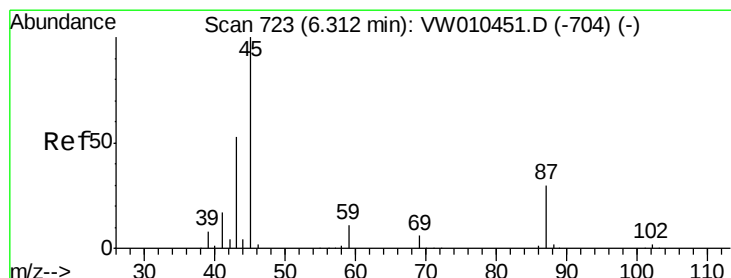
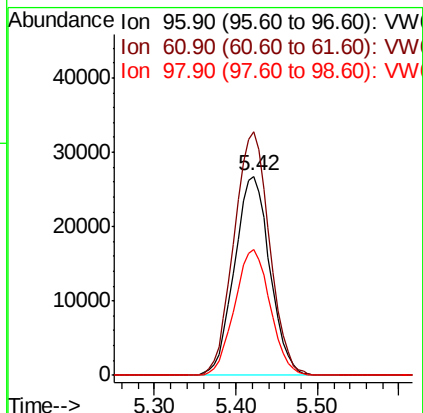
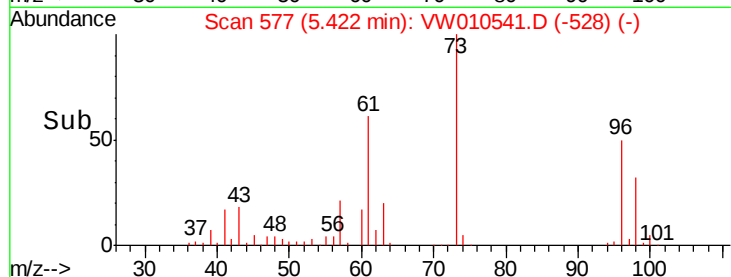
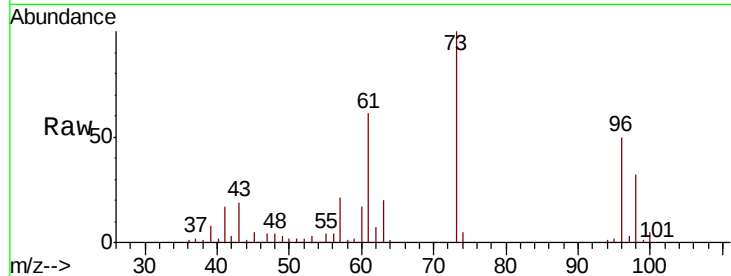
Tot Ion: 96 Resp: 80550

Ion Ratio Lower Upper

96 100

61 122.3 101.4 152.0

98 63.1 50.6 76.0



#22

Diisopropyl ether

Concen: 48.755 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion: 45 Resp: 208322

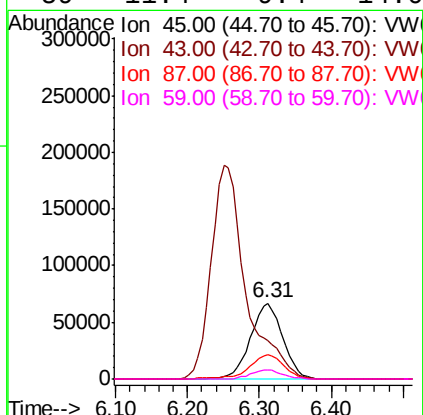
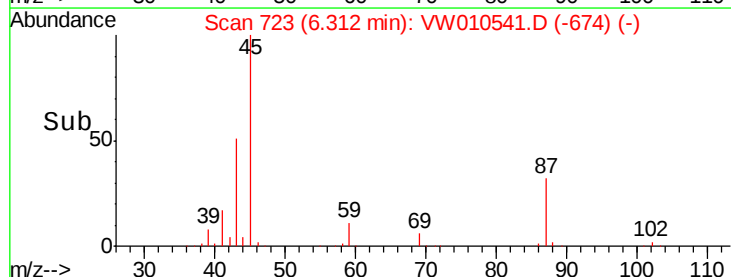
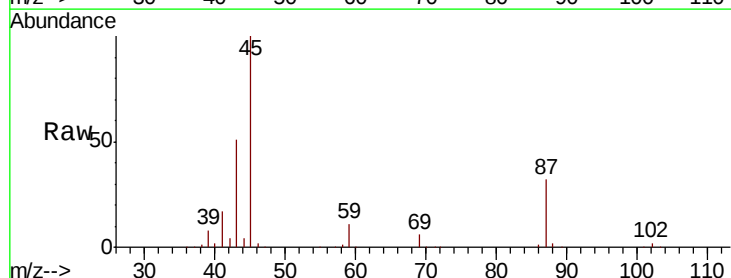
Ion Ratio Lower Upper

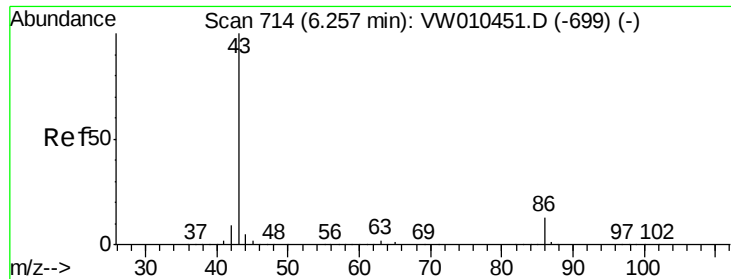
45 100

43 50.4 42.9 64.3

87 32.3 24.6 36.8

59 11.4 9.4 14.0





#23

Vinyl Acetate

Concen: 246.888 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

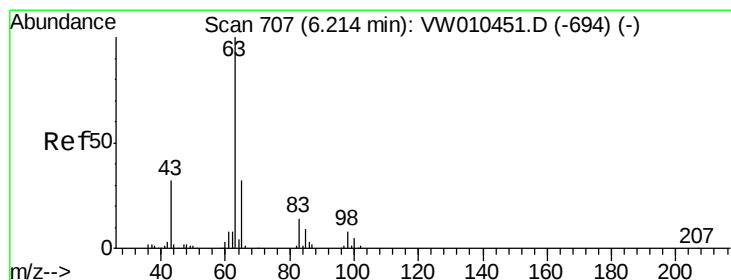
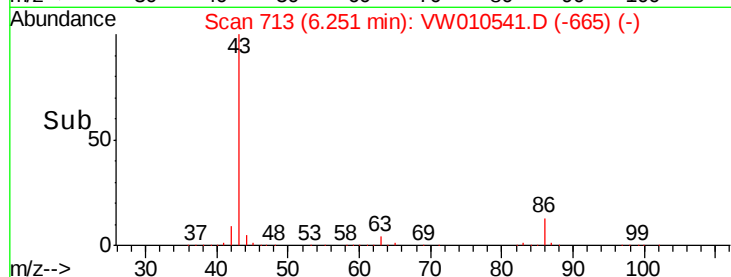
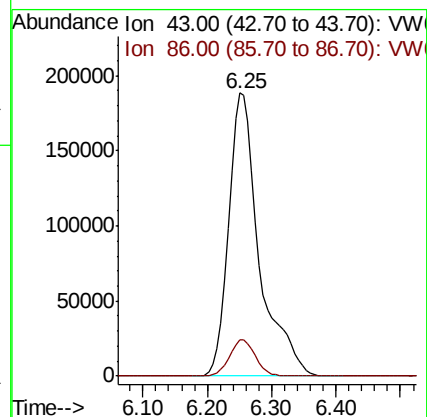
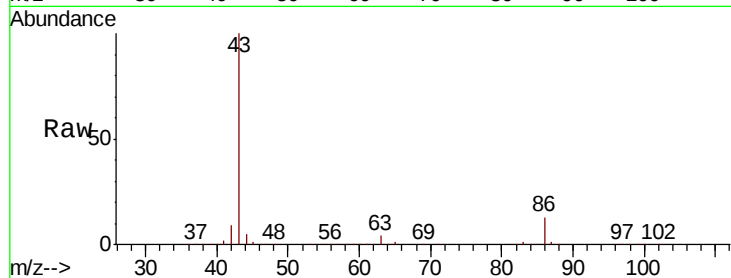
VSTDCCC050EC

Tot Ion: 43 Resp: 630138

Ion Ratio Lower Upper

43 100

86 12.7 10.3 15.5



#24

1,1-Dichloroethane

Concen: 49.588 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

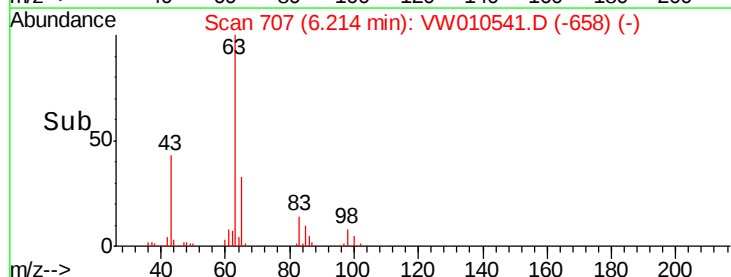
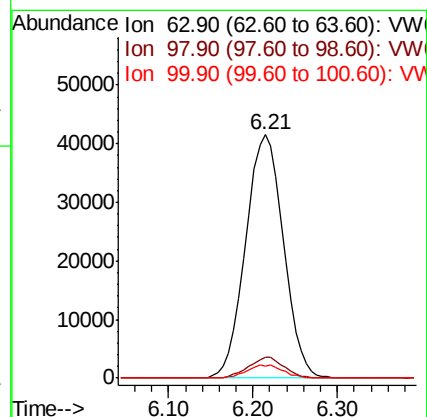
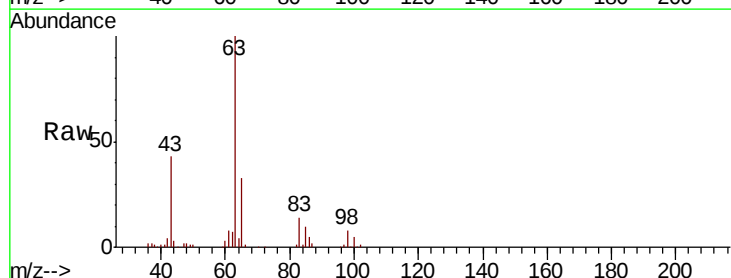
Tgt Ion: 63 Resp: 126440

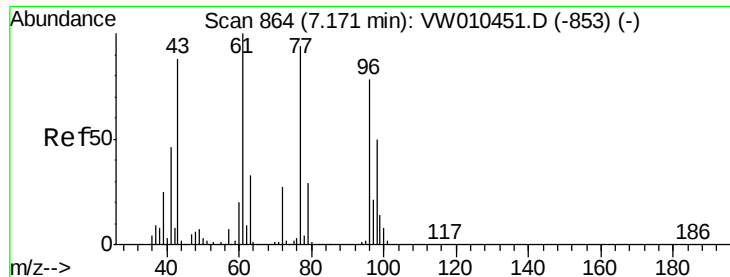
Ion Ratio Lower Upper

63 100

98 8.5 3.8 11.2

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 249.844 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

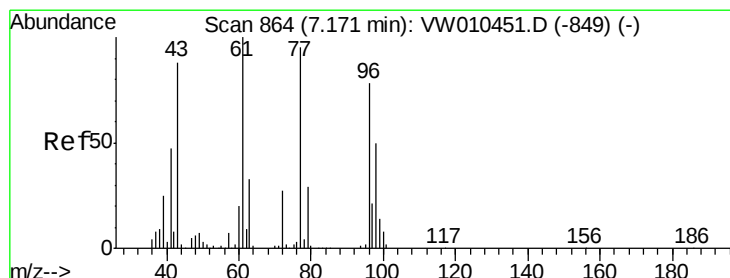
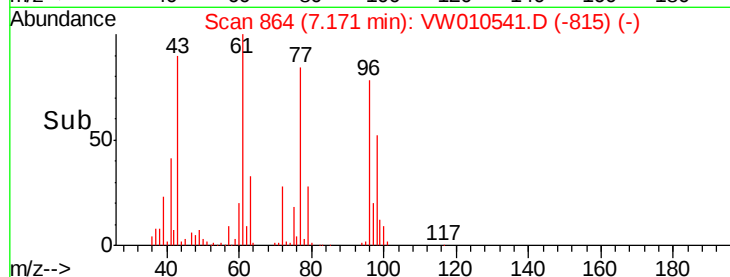
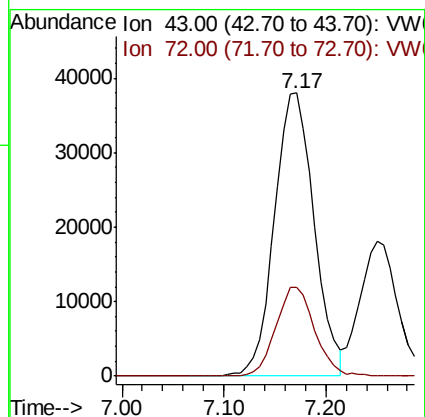
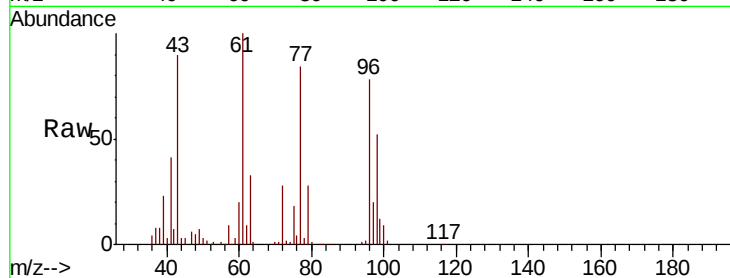
VSTDCCC050EC

Tot Ion: 43 Resp: 102671

Ion Ratio Lower Upper

43 100

72 31.5 24.1 36.1



#26

2,2-Dichloropropane

Concen: 45.736 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010541.D

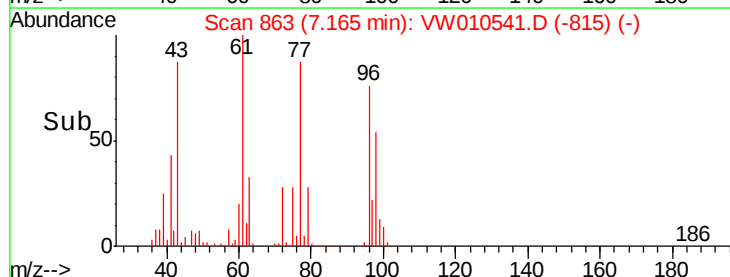
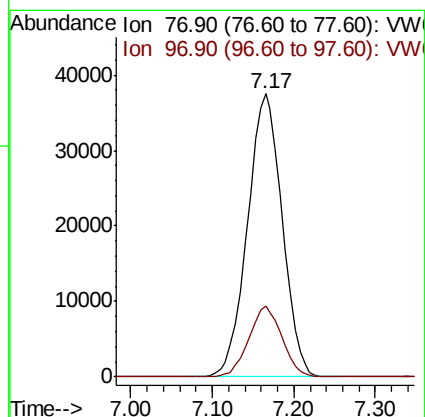
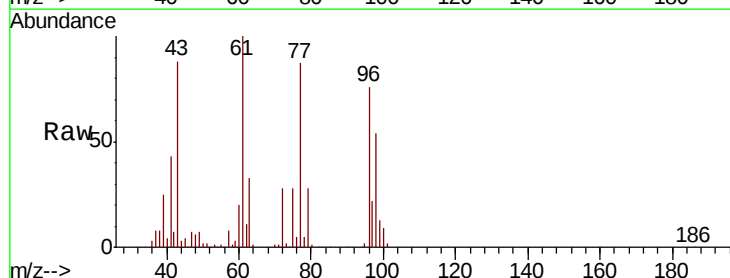
Acq: 23 May 2019 21:15

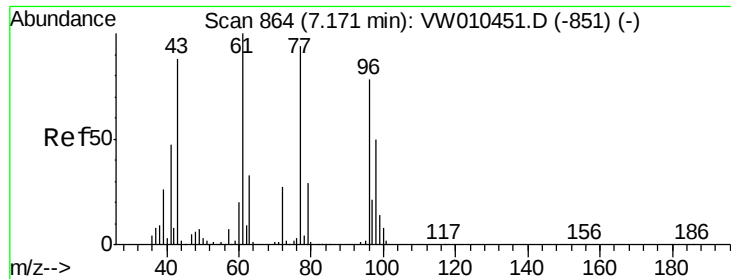
Tgt Ion: 77 Resp: 111086

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



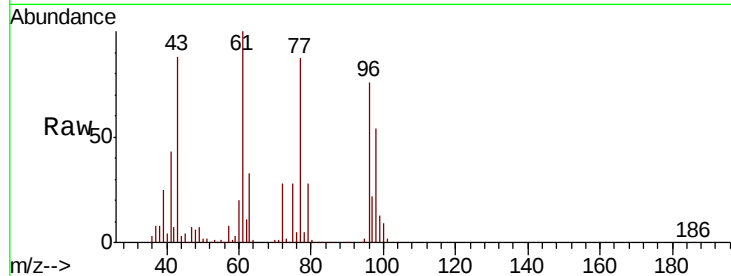


#27

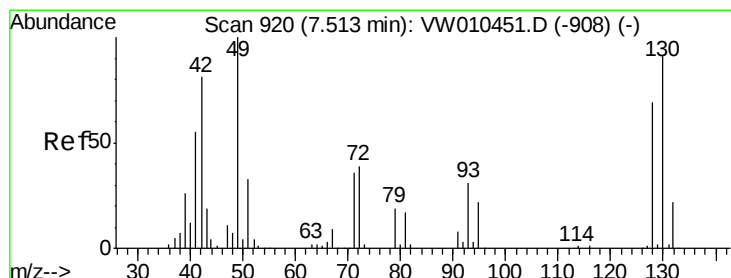
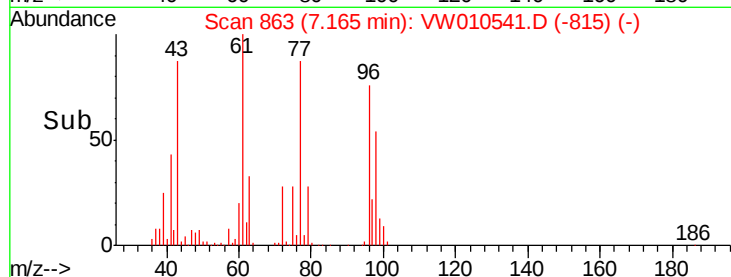
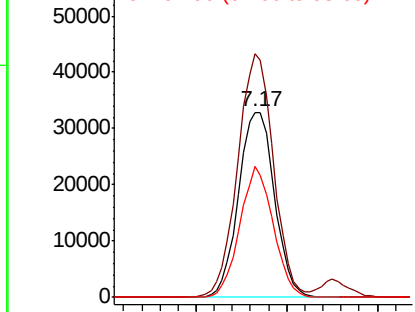
cis-1,2-Dichloroethene
 Concen: 50.401 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 90480
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 265.4
 98 65.4 0.0 129.4



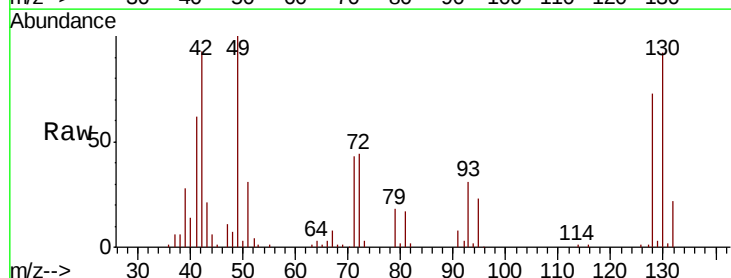
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



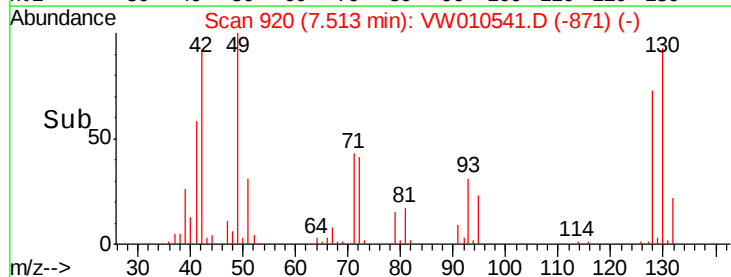
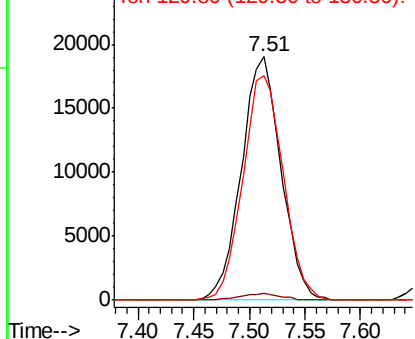
#28

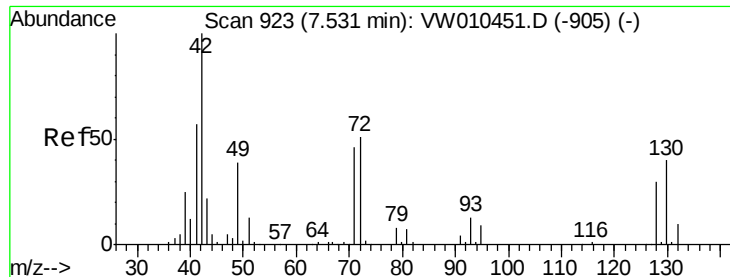
Bromochloromethane
 Concen: 51.526 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 49 Resp: 47039
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.8
 130 94.1 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

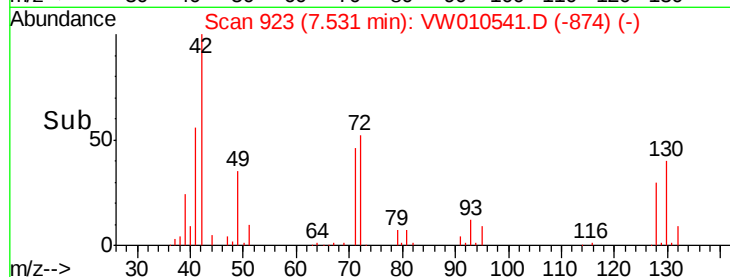
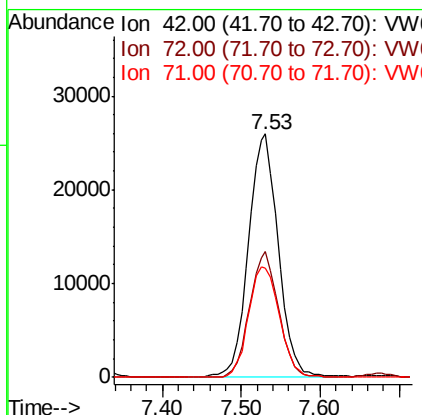
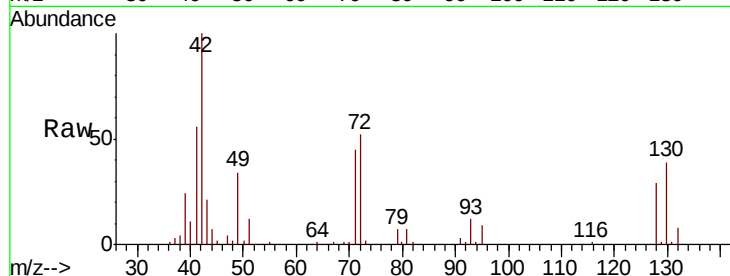




#29
Tetrahydrofuran
Concen: 245.183 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

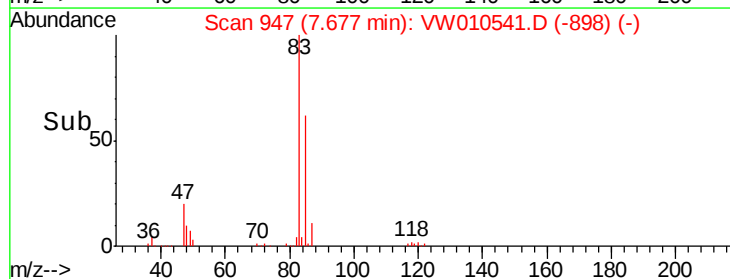
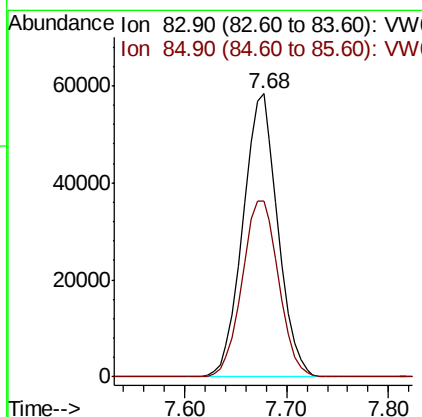
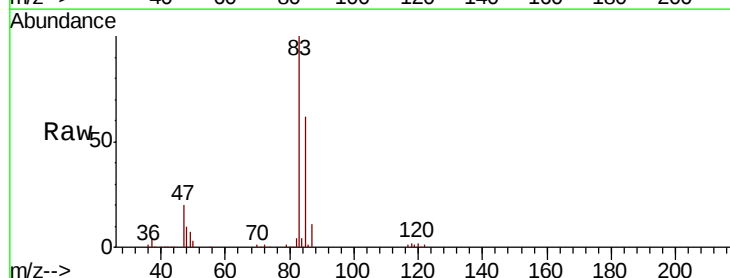
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

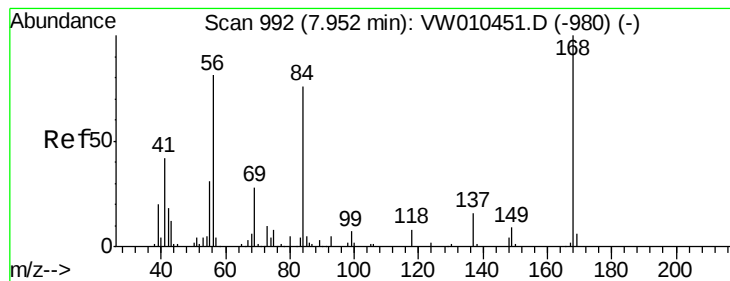
Tot Ion: 42 Resp: 68179
Ion Ratio Lower Upper
42 100
72 50.1 38.5 57.7
71 47.2 36.5 54.7



#30
Chloroform
Concen: 50.494 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 83 Resp: 138876
Ion Ratio Lower Upper
83 100
85 62.1 52.2 78.4





#31

Cyclohexane

Concen: 43.360 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

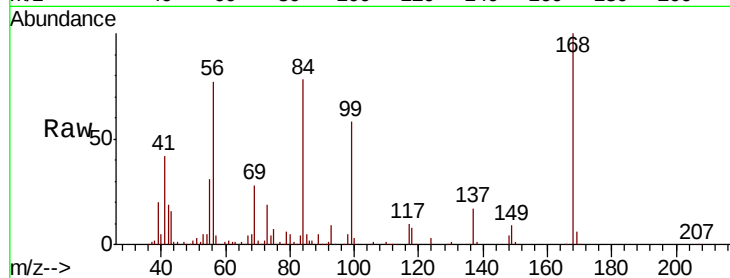
Tot Ion: 56 Resp: 115810

Ion Ratio Lower Upper

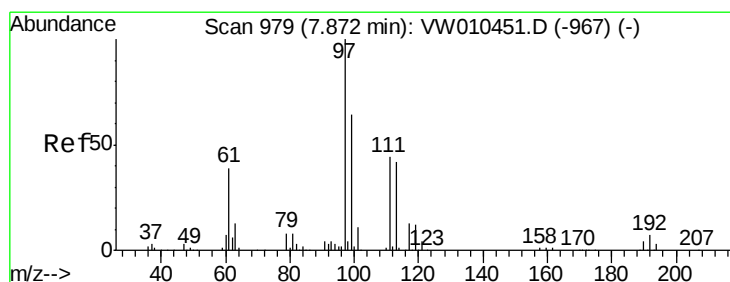
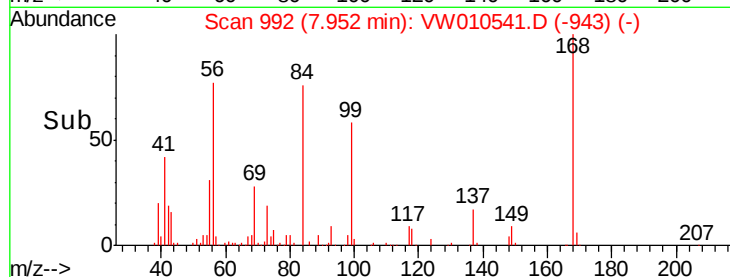
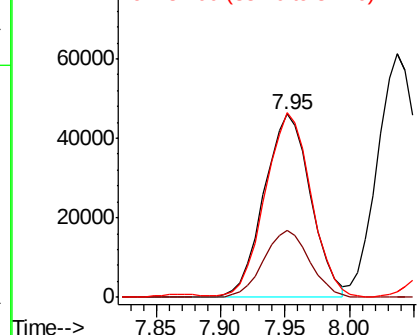
56 100

69 36.7 28.2 42.2

84 99.7 75.8 113.8



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



#32

1,1,1-Trichloroethane

Concen: 48.268 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

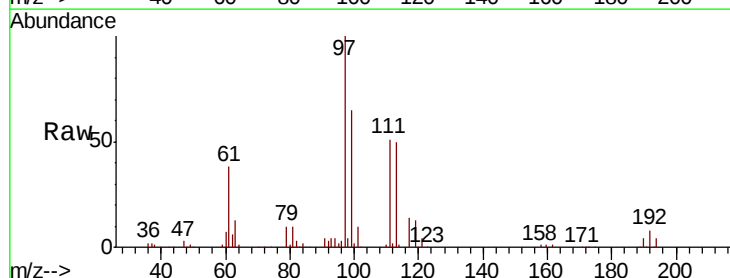
Tgt Ion: 97 Resp: 126882

Ion Ratio Lower Upper

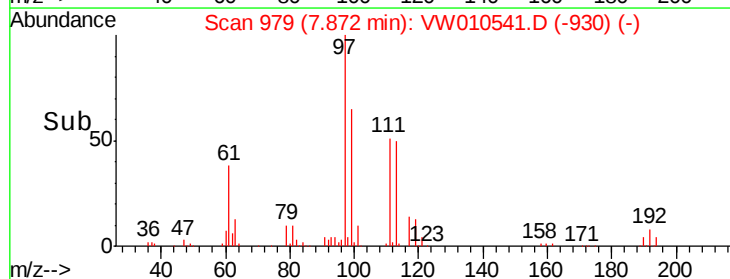
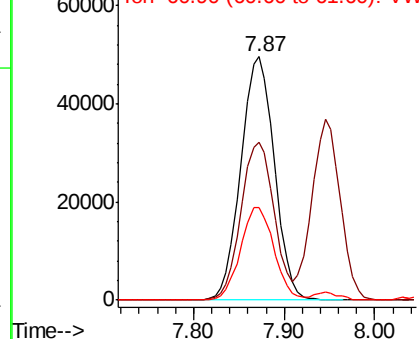
97 100

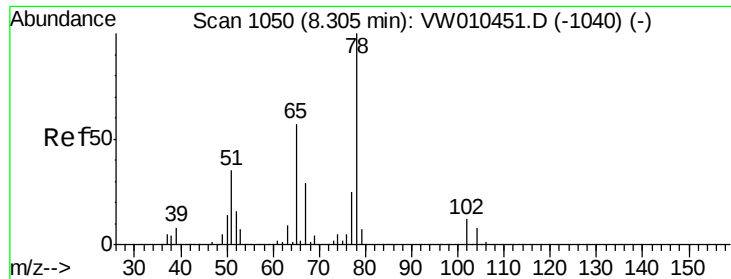
99 64.7 50.8 76.2

61 38.1 32.1 48.1



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

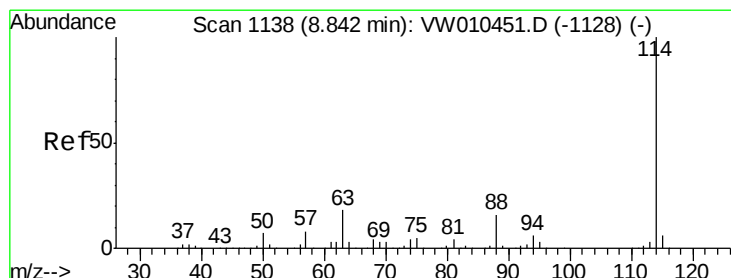
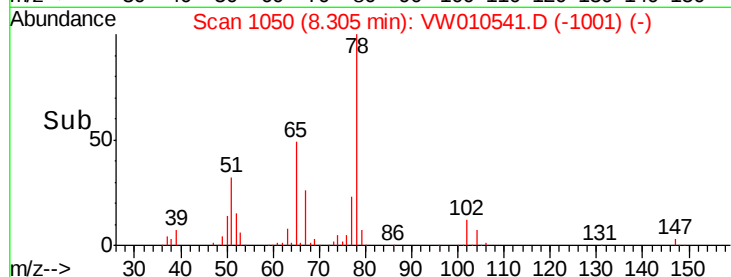
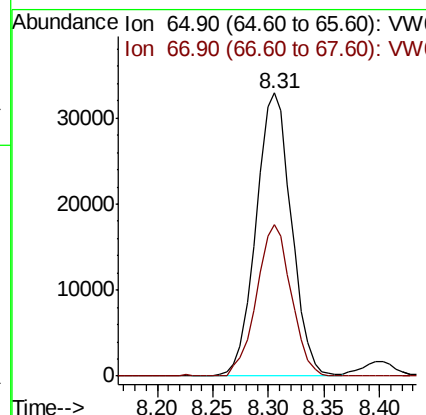
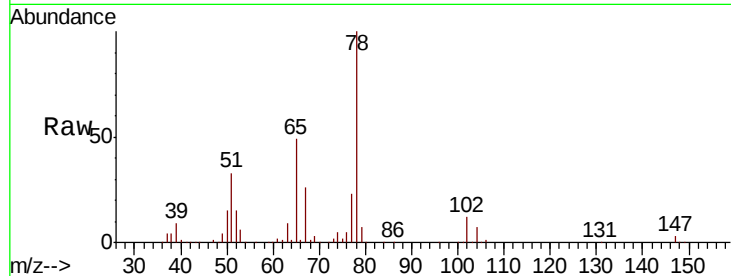




#33
 1,2-Dichloroethane-d4
 Concen: 51.830 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

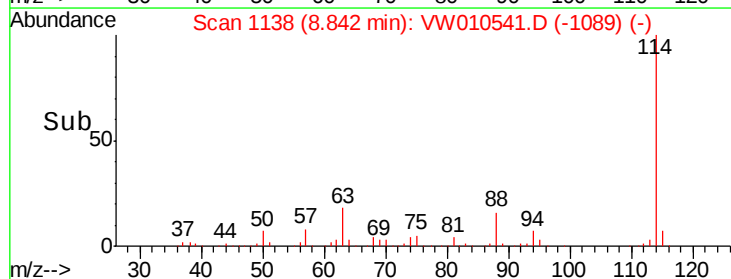
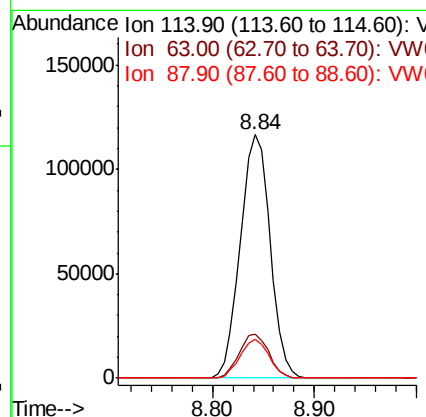
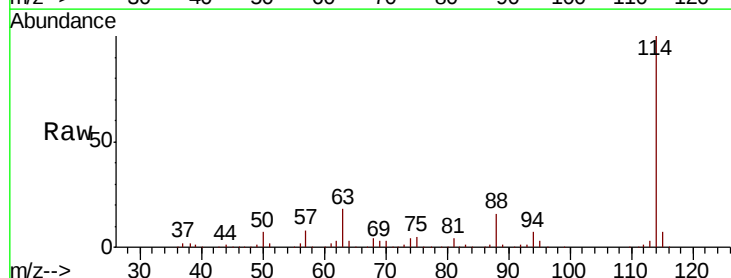
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

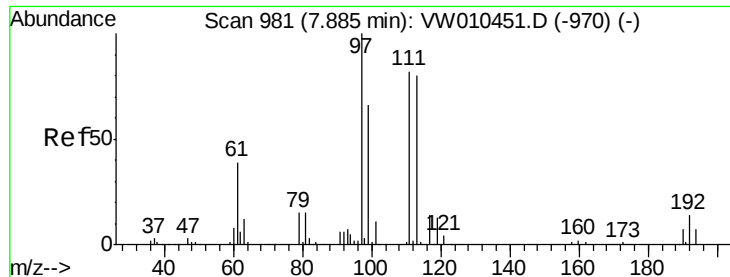
Tot Ion: 65 Resp: 72913
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 114 Resp: 236371
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.351 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

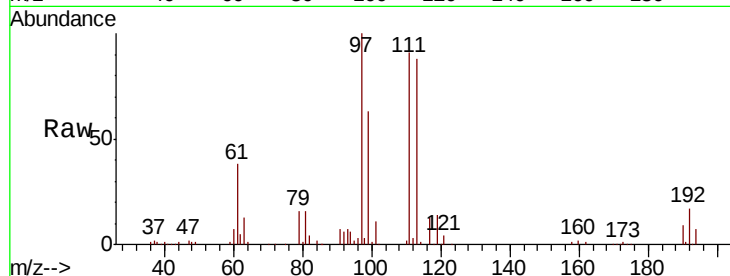
Tot Ion:113 Resp: 75084

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

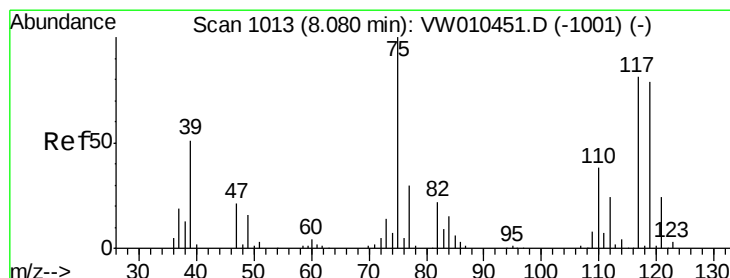
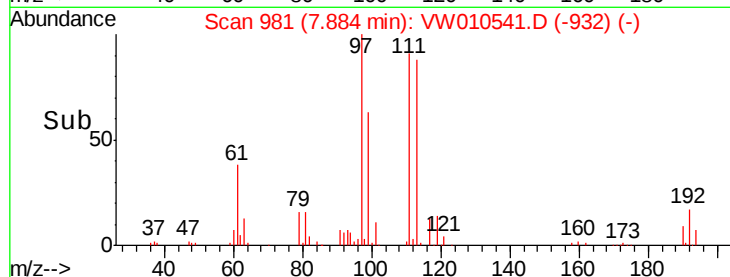
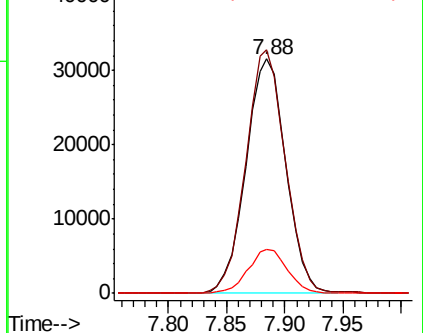
192 18.5 14.3 21.5



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: 47.193 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

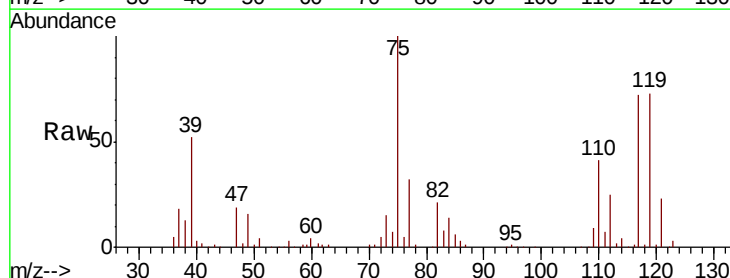
Tgt Ion: 75 Resp: 103916

Ion Ratio Lower Upper

75 100

110 39.6 19.2 57.6

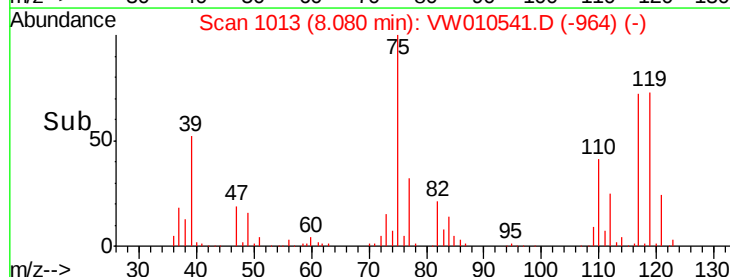
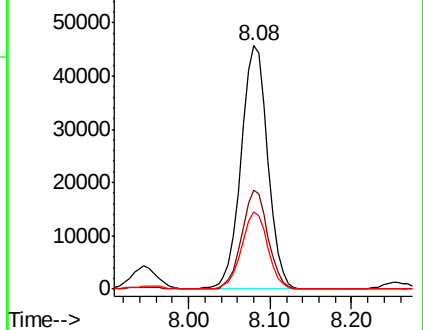
77 31.1 25.2 37.8

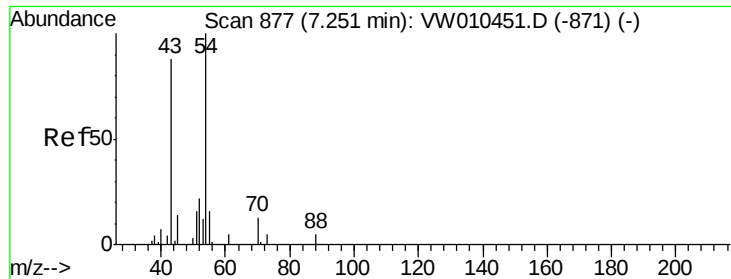


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

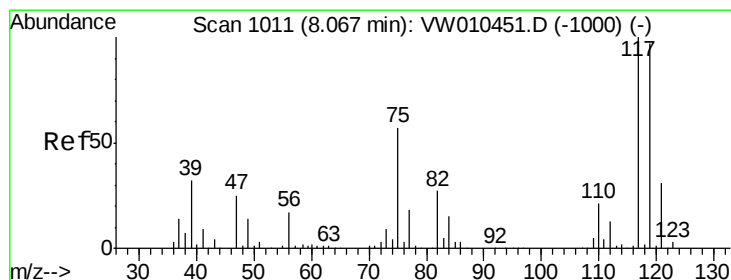
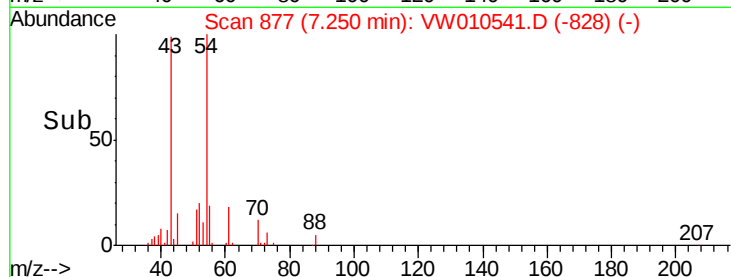
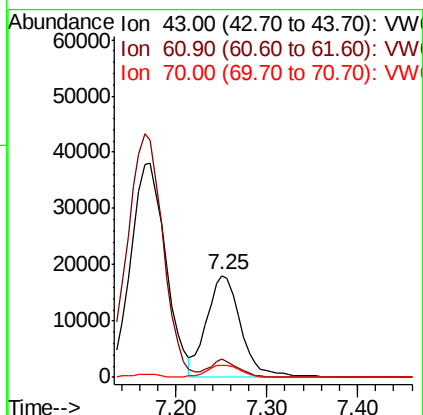
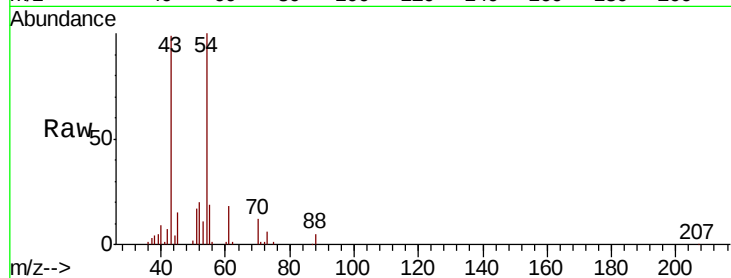




#37
Ethyl Acetate
Concen: 50.574 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

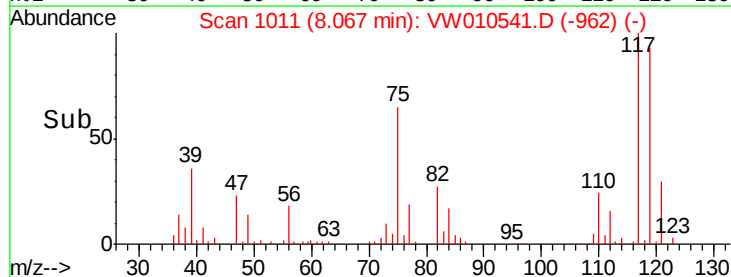
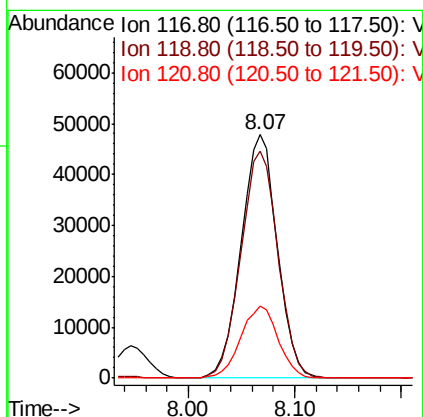
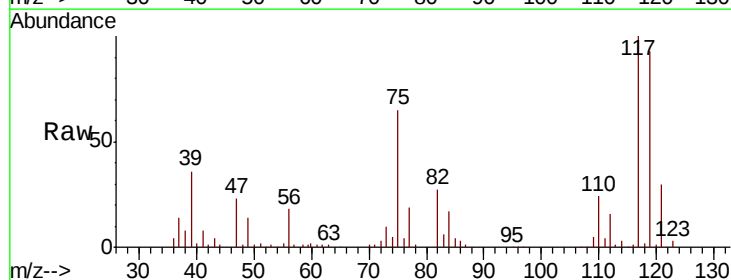
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

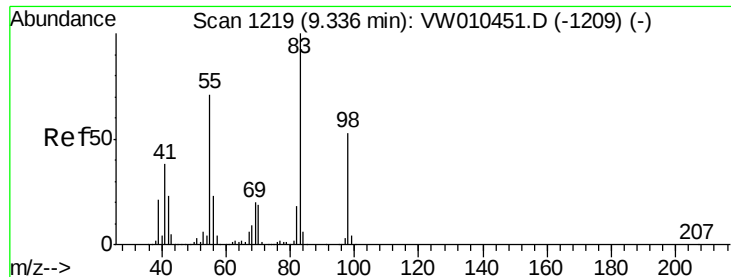
Tot Ion: 43 Resp: 47355
Ion Ratio Lower Upper
43 100
61 15.2 11.2 16.8
70 12.5 9.9 14.9



#38
Carbon Tetrachloride
Concen: 47.980 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 117 Resp: 113966
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0
121 29.8 25.0 37.6

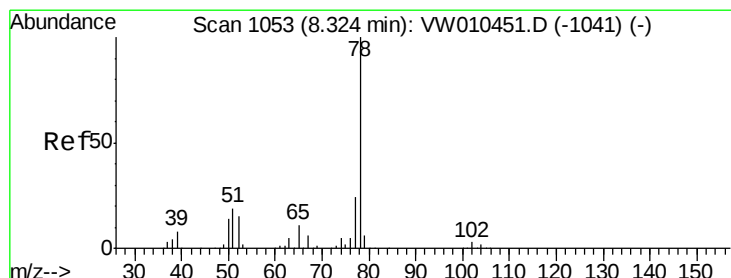
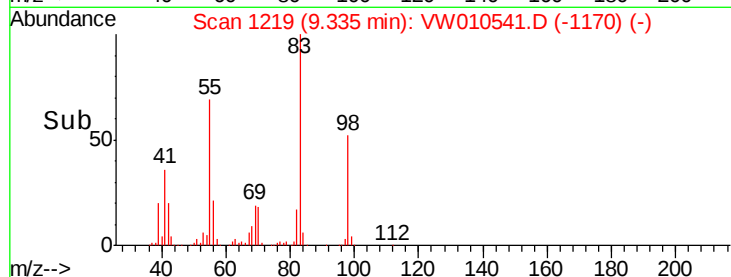
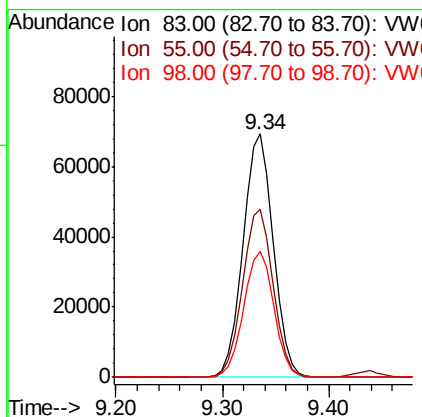
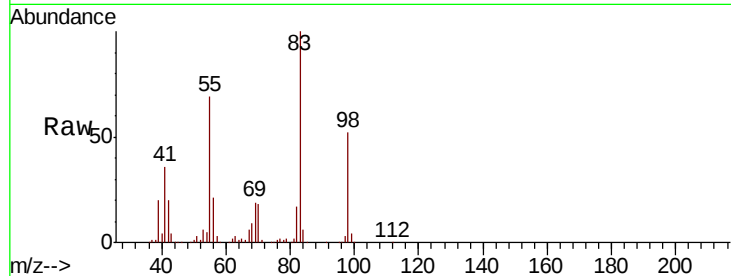




#39
Methvlcvclohexane
Concen: 46.919 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

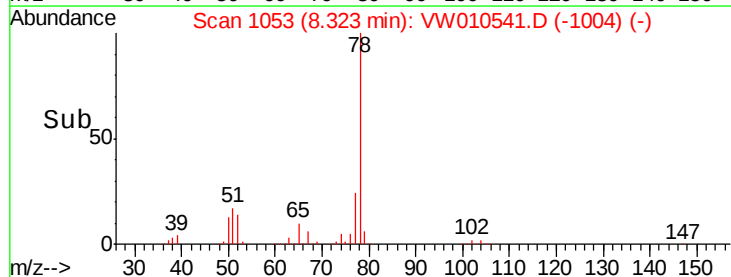
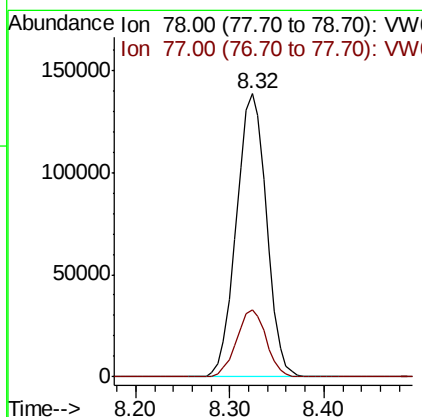
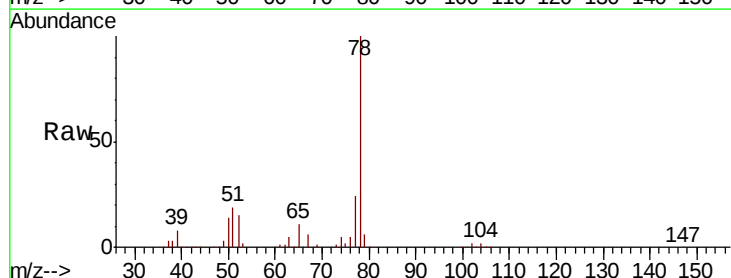
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

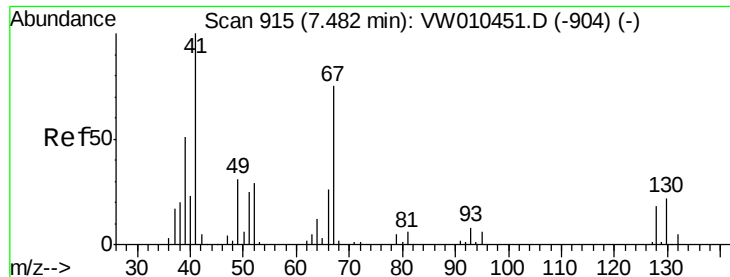
Tot Ion: 83 Resp: 138413
Ion Ratio Lower Upper
83 100
55 69.1 57.0 85.6
98 51.6 42.0 63.0



#40
Benzene
Concen: 50.487 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 78 Resp: 308987
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3

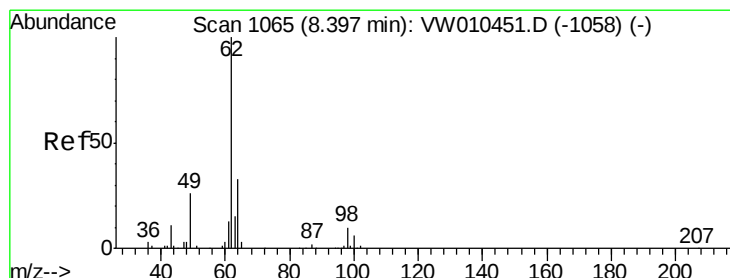
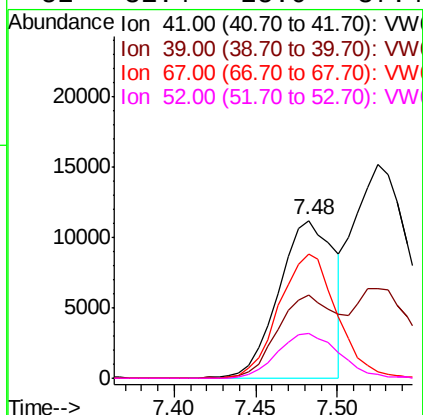
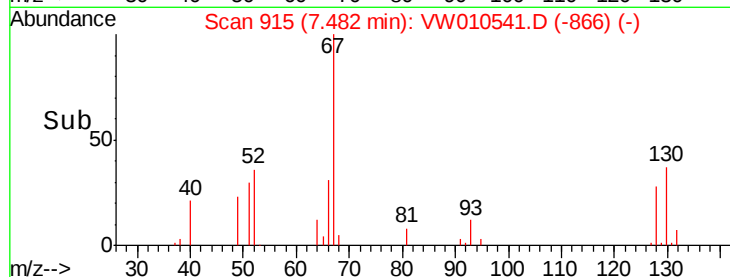
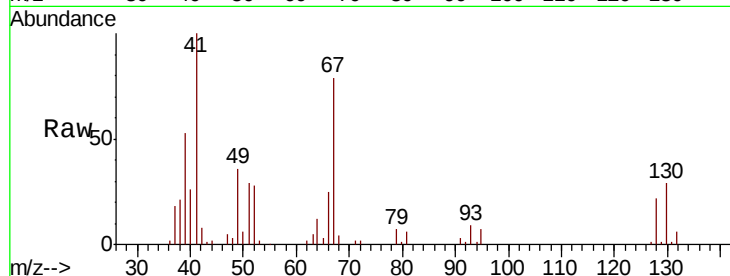




#41
Methacrylonitrile
Concen: 47.760 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

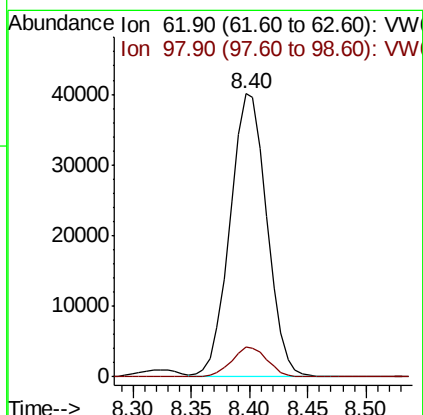
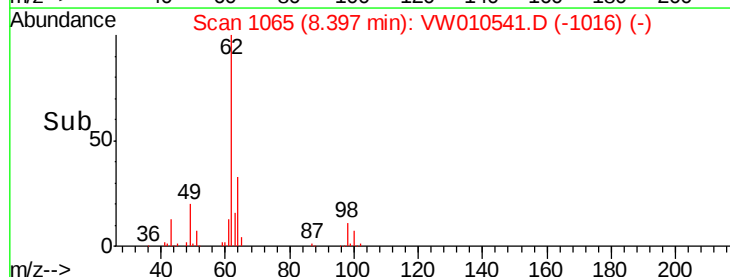
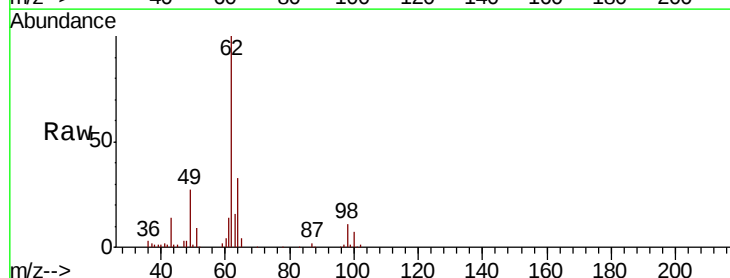
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

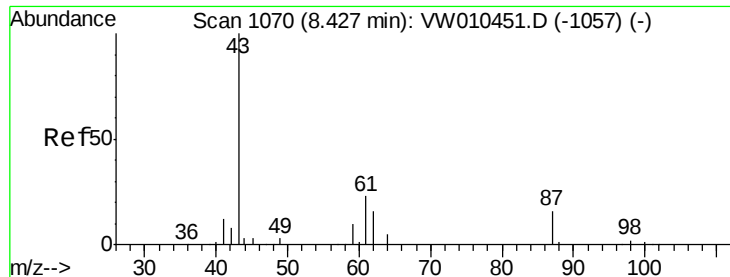
Tot Ion:	41	Resp:	26572
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.4	71.2
67	82.1	65.5	98.3
52	31.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 50.479 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion:	62	Resp:	88297
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 49.308 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

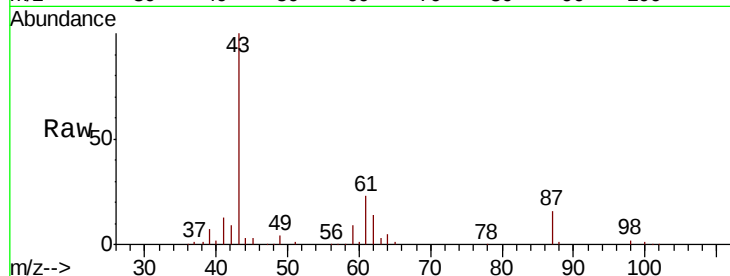
Tot Ion: 43 Resp: 92237

Ion Ratio Lower Upper

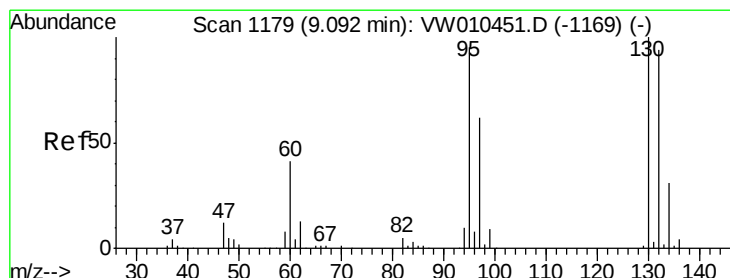
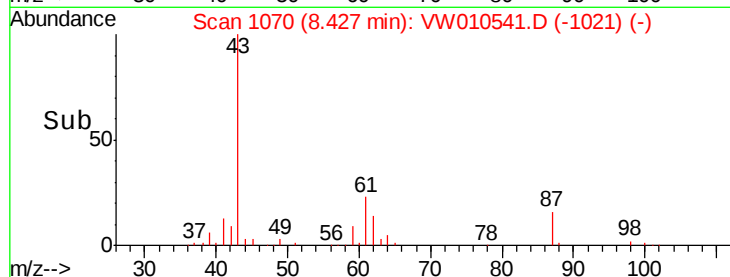
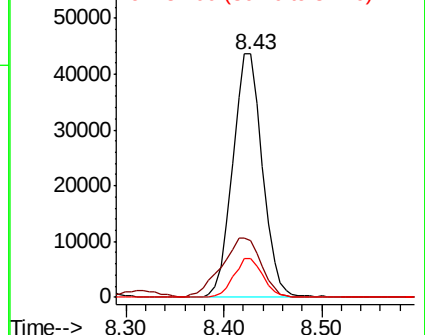
43 100

61 32.3 25.4 38.2

87 15.7 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: 50.292 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010541.D

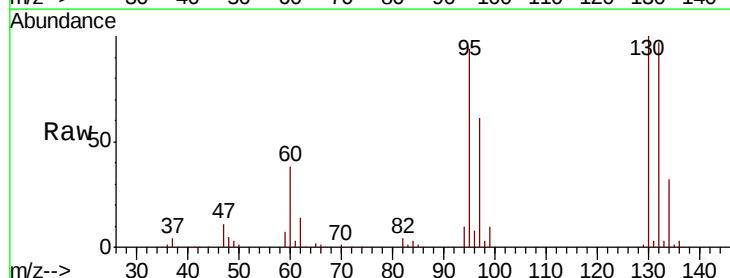
Acq: 23 May 2019 21:15

Tgt Ion: 130 Resp: 91376

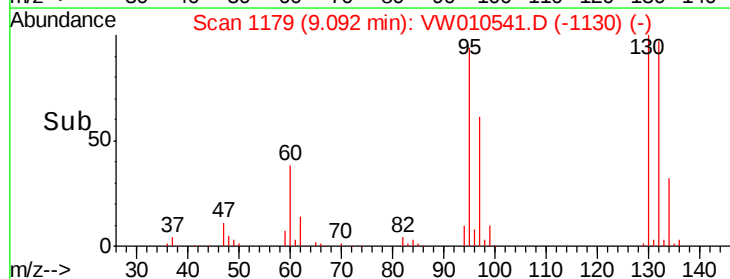
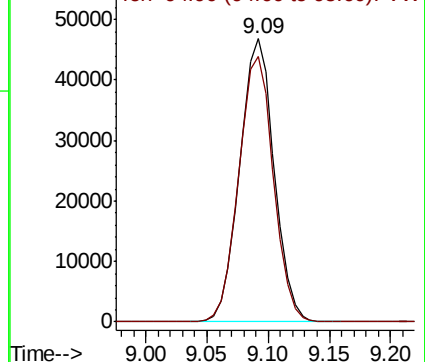
Ion Ratio Lower Upper

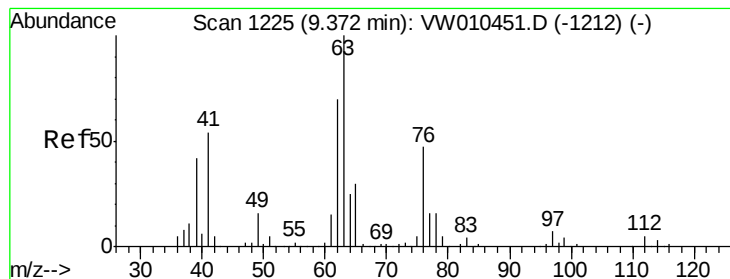
130 100

95 93.9 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: 50.081 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

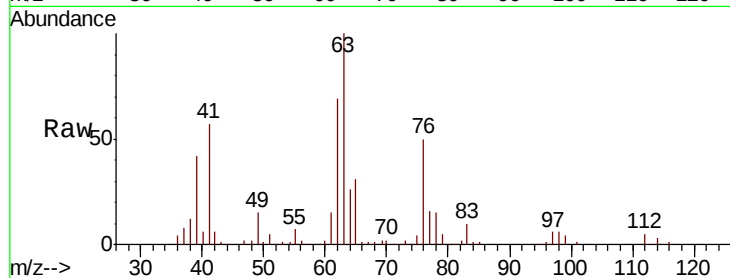
VSTDCCC050EC

Tot Ion: 63 Resp: 72793

Ion Ratio Lower Upper

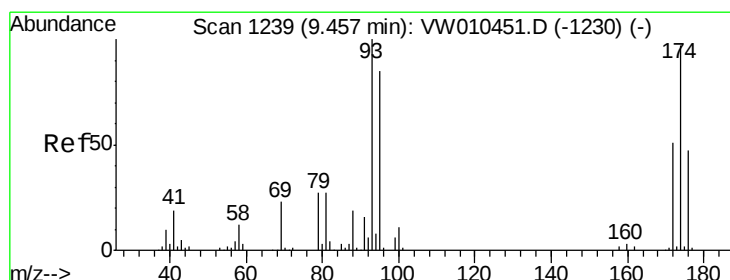
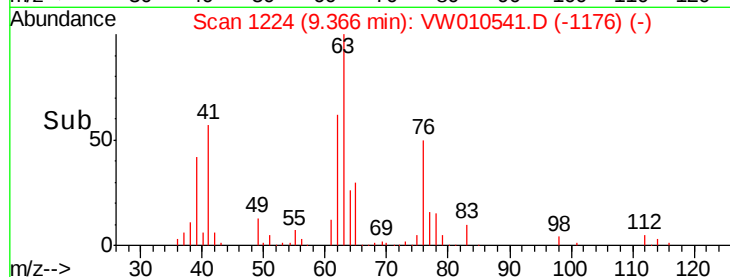
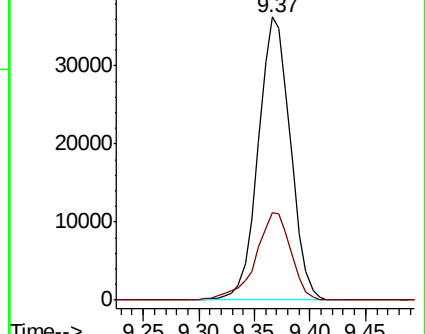
63 100

65 31.0 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: 51.323 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

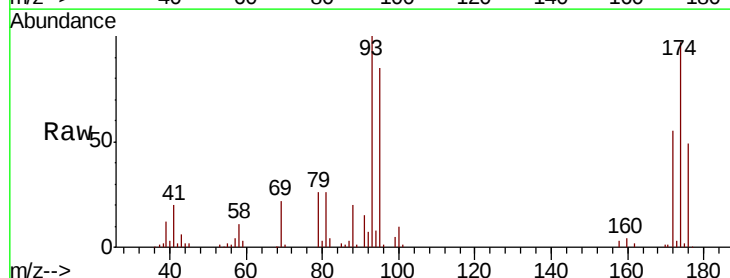
Tgt Ion: 93 Resp: 43627

Ion Ratio Lower Upper

93 100

95 85.9 66.1 99.1

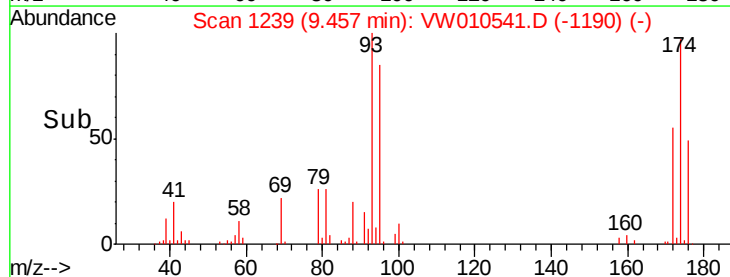
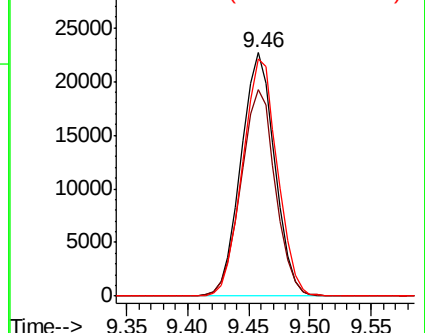
174 100.0 77.1 115.7

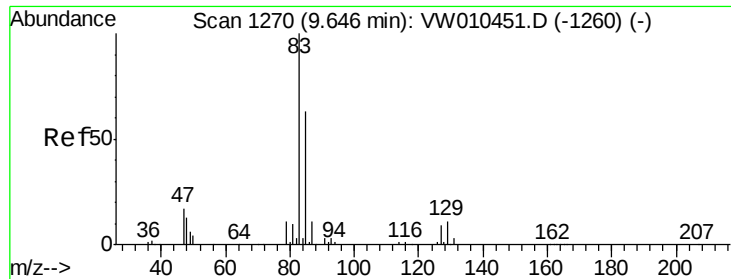


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

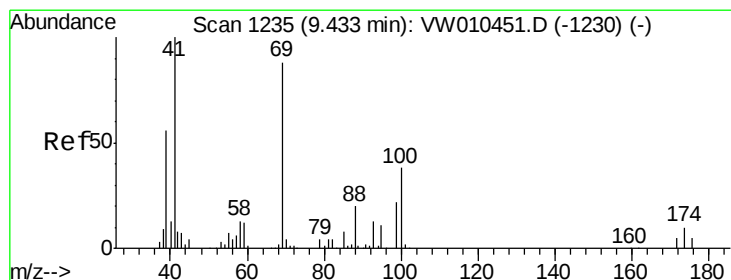
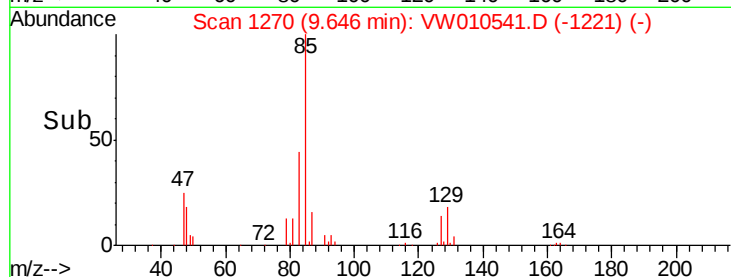
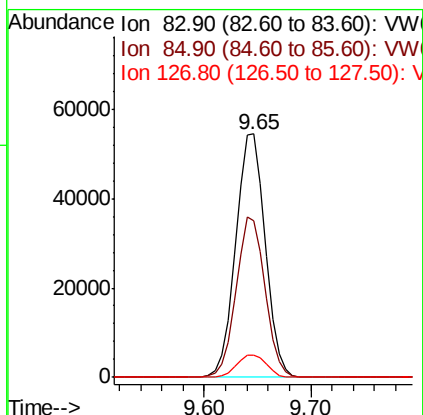
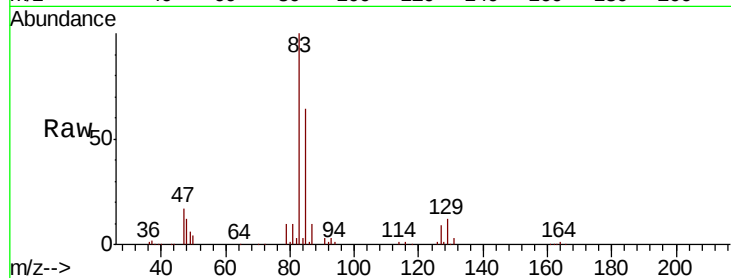




#47
 Bromodichloromethane
 Concen: 49.758 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

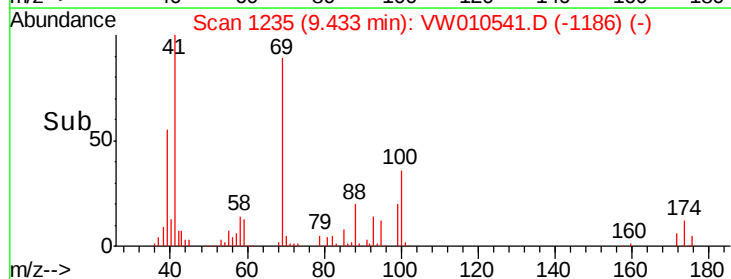
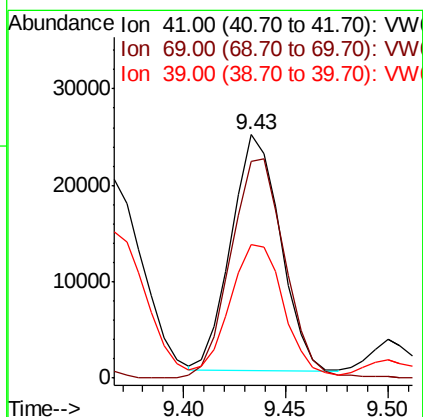
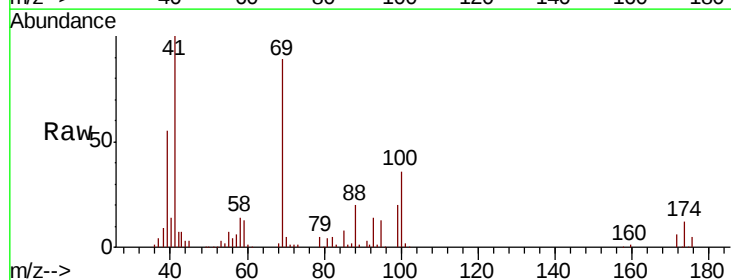
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

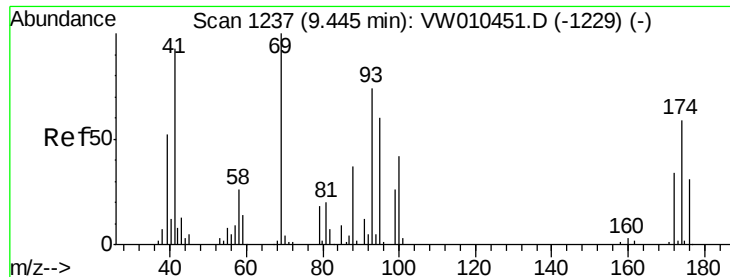
Tot Ion: 83 Resp: 106290
 Ion Ratio Lower Upper
 83 100
 85 64.5 50.4 75.6
 127 9.1 7.4 11.0



#48
 Methyl methacrylate
 Concen: 48.135 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 41 Resp: 41194
 Ion Ratio Lower Upper
 41 100
 69 102.6 77.6 116.4
 39 62.7 49.8 74.8





#49

1,4-Dioxane

Concen: 1045.875 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

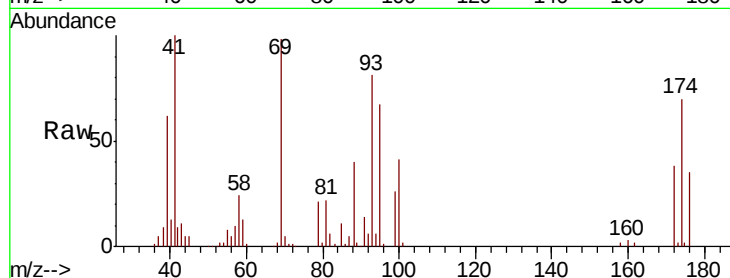
Tot Ion: 88 Resp: 14523

Ion Ratio Lower Upper

88 100

43 28.1 25.9 38.9

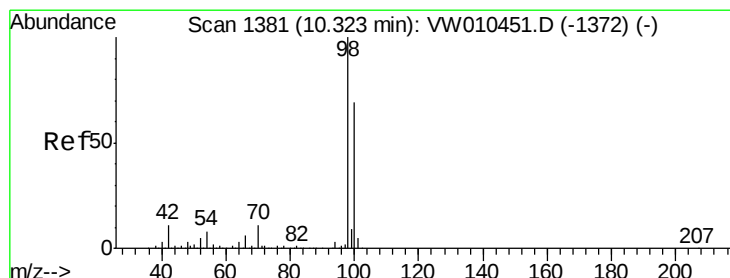
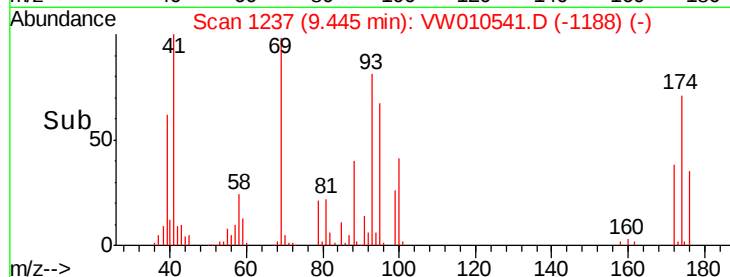
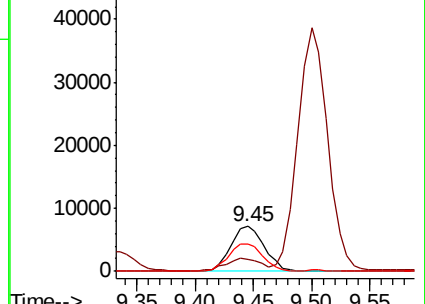
58 61.8 52.7 79.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.511 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010541.D

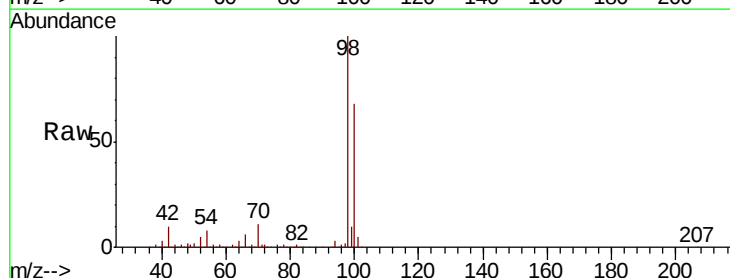
Acq: 23 May 2019 21:15

Tgt Ion: 98 Resp: 282236

Ion Ratio Lower Upper

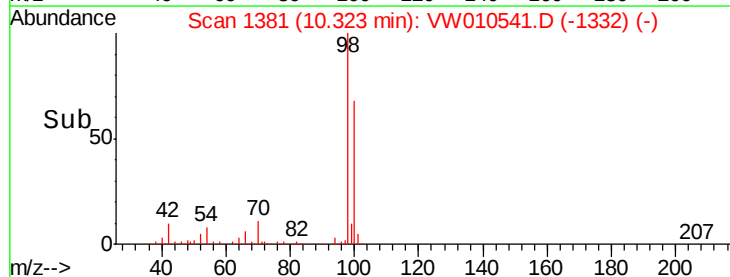
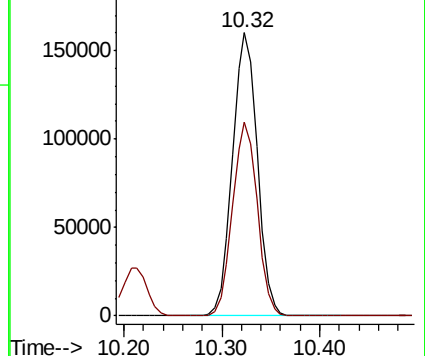
98 100

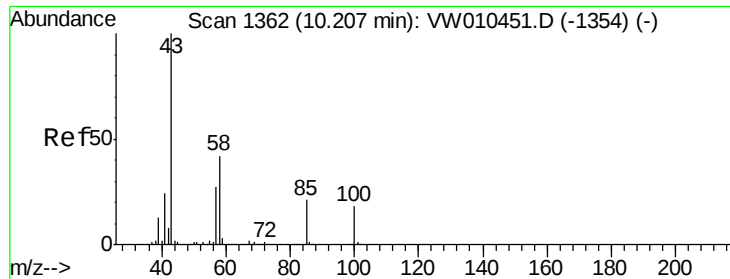
100 68.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 250.462 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

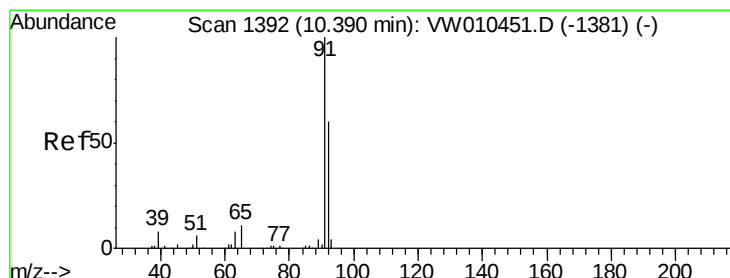
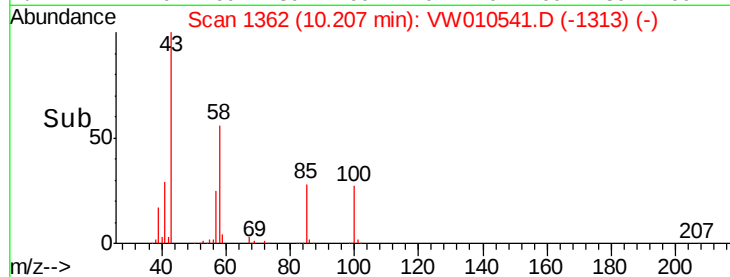
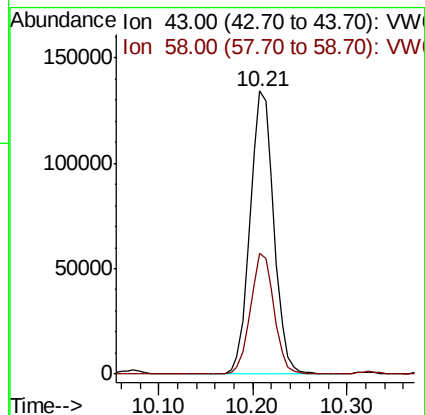
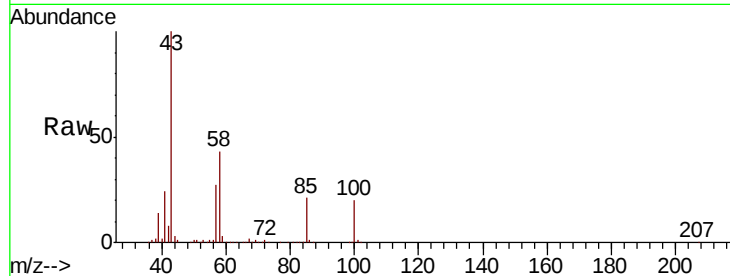
VSTDCCC050EC

Tot Ion: 43 Resp: 237412

Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8



#52

Toluene

Concen: 50.172 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010541.D

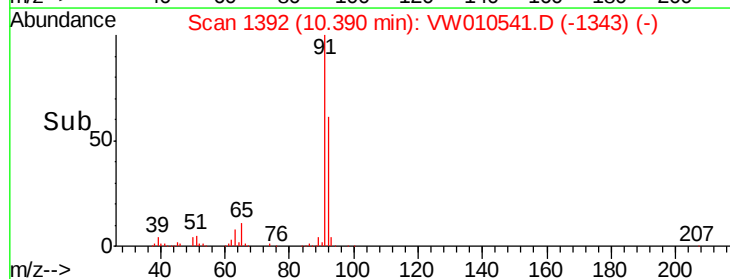
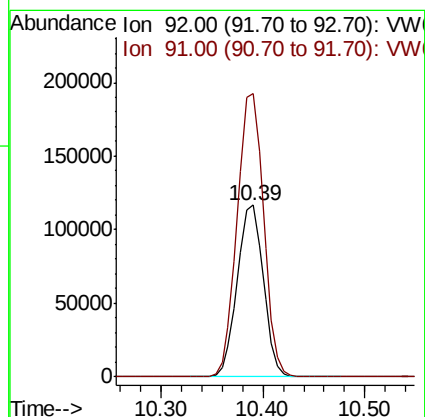
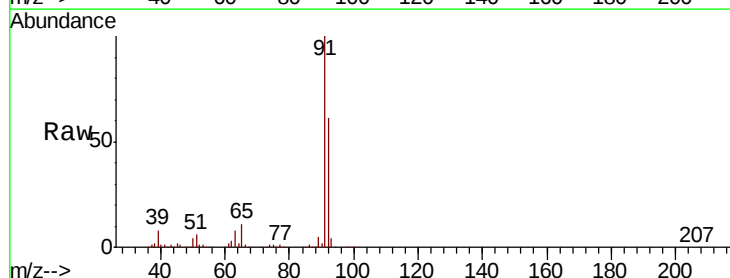
Acq: 23 May 2019 21:15

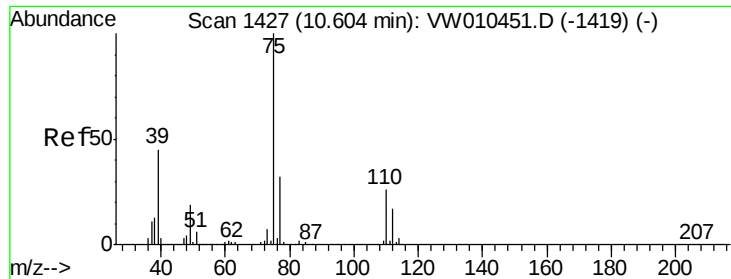
Tgt Ion: 92 Resp: 206214

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 49.219 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

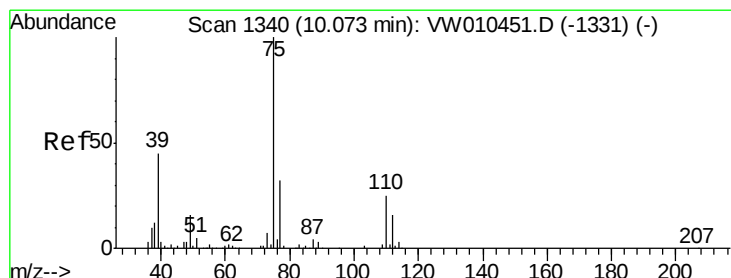
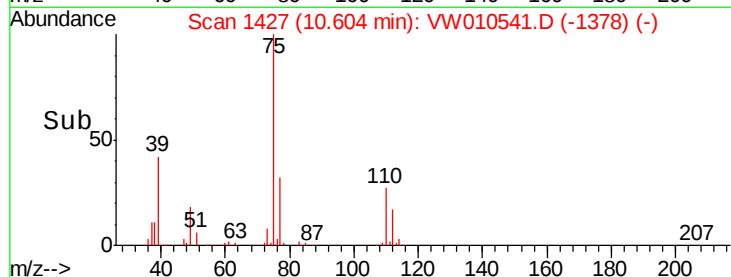
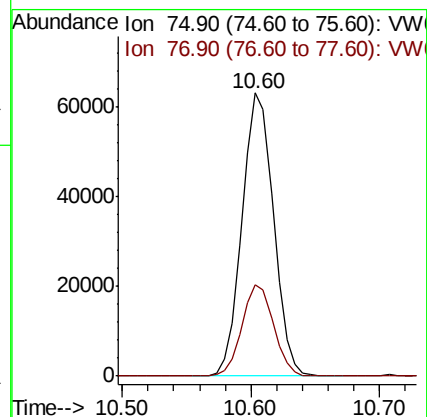
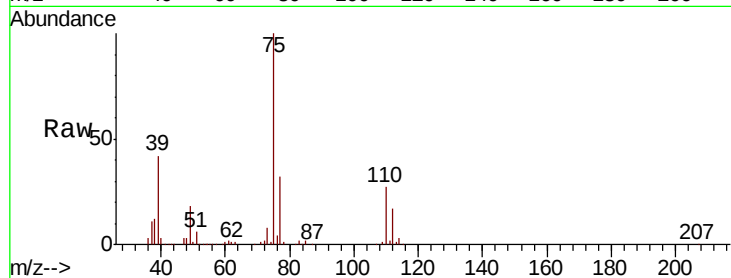
VSTDCCC050EC

Tot Ion: 75 Resp: 106482

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 49.727 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

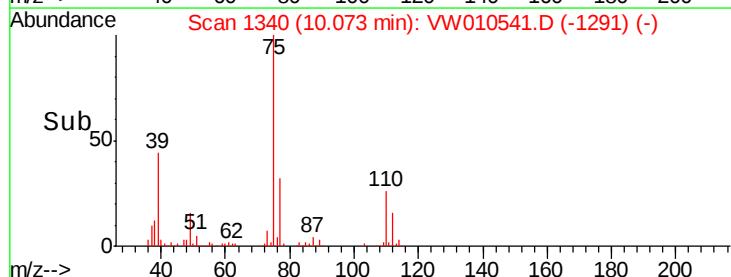
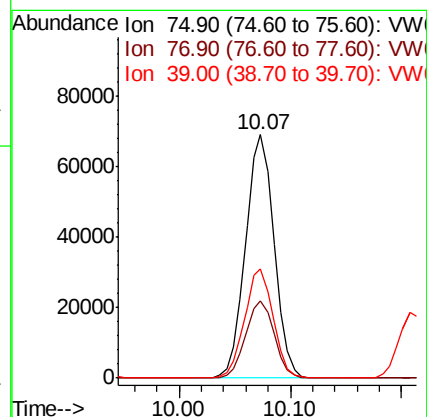
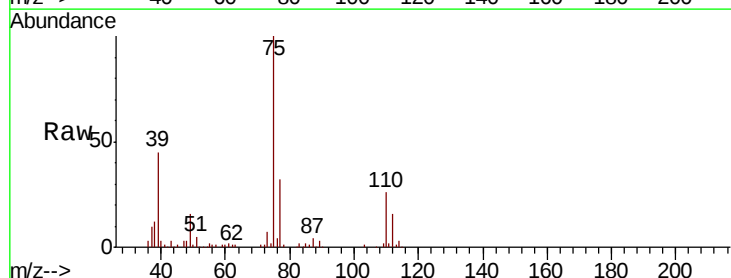
Tgt Ion: 75 Resp: 122863

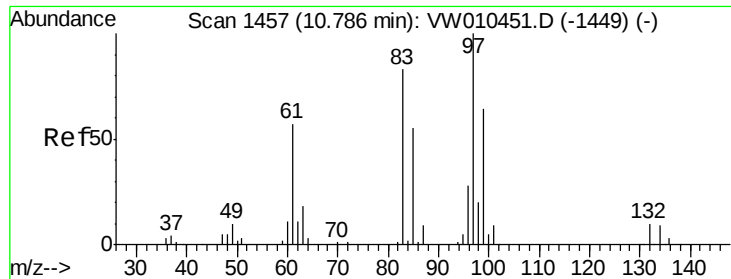
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 44.5 36.2 54.4

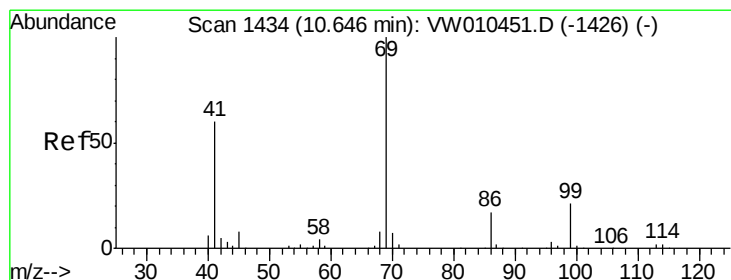
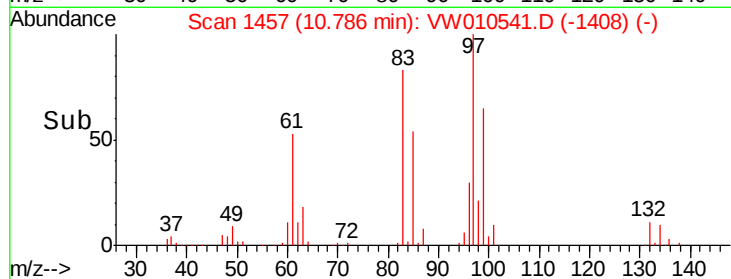
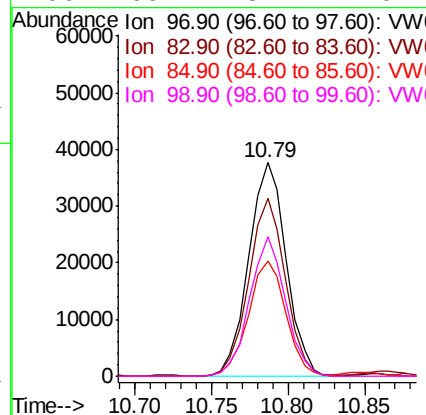
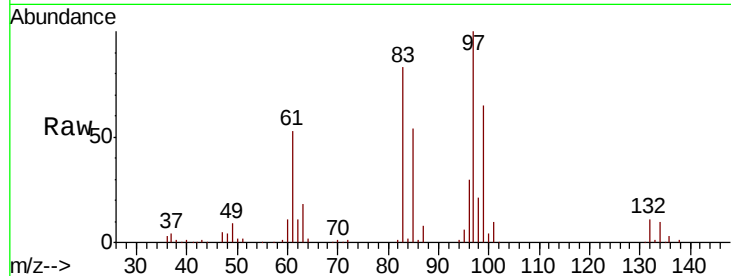




#55
 1,1,2-Trichloroethane
 Concen: 52.618 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

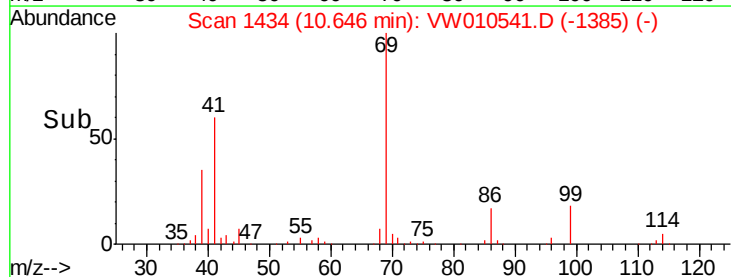
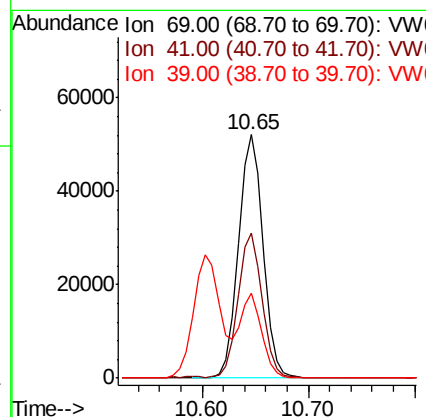
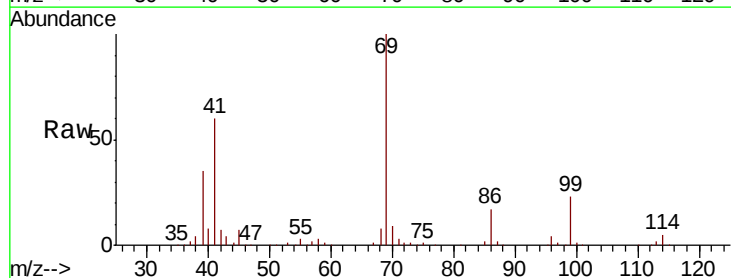
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

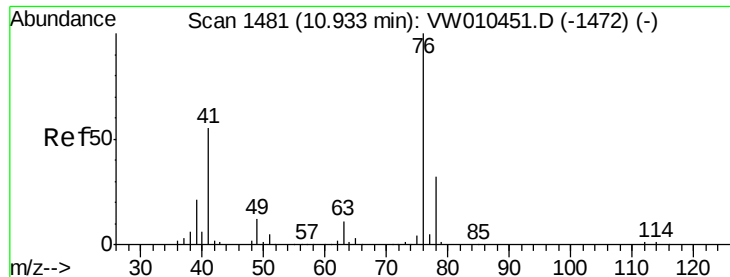
Tot Ion:	97	Resp:	64319
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.1	99.1
85	53.9	44.2	66.4
99	65.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 50.150 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion:	69	Resp:	84545
Ion	Ratio	Lower	Upper
69	100		
41	58.0	47.7	71.5
39	30.7	25.3	37.9

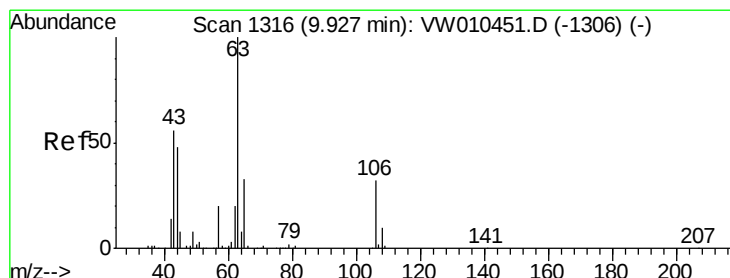
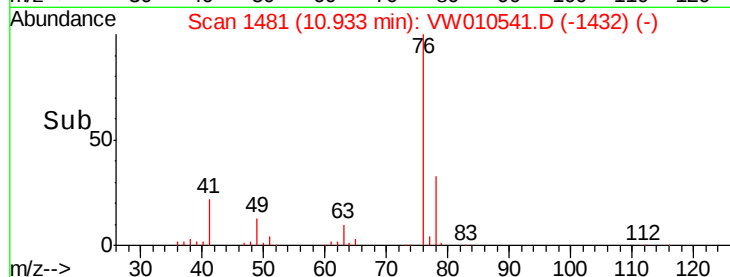
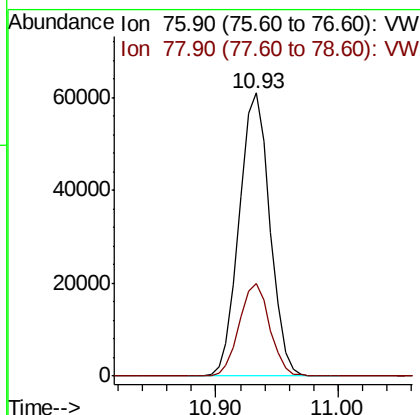
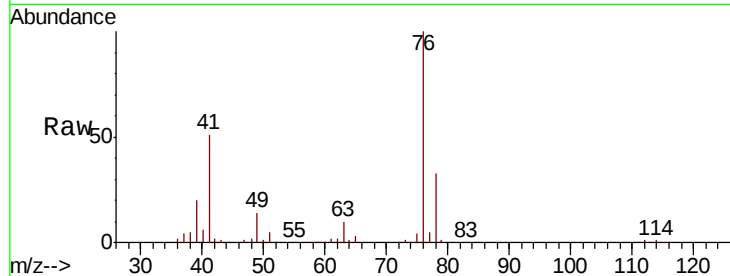




#57
 1,3-Dichloropropane
 Concen: 51.717 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

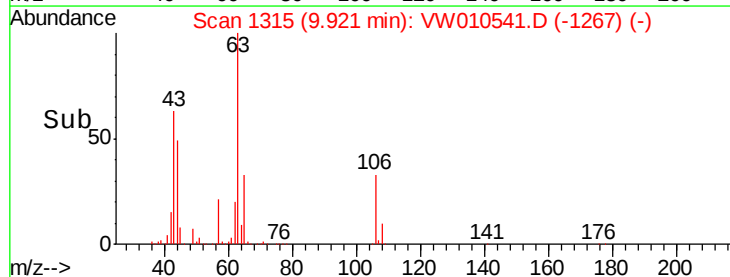
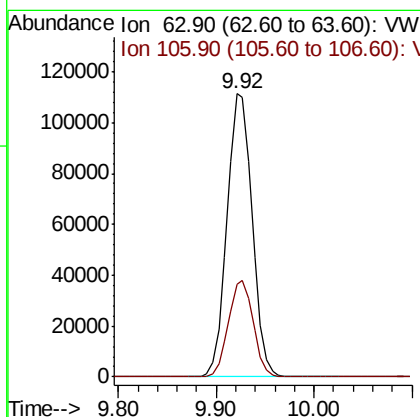
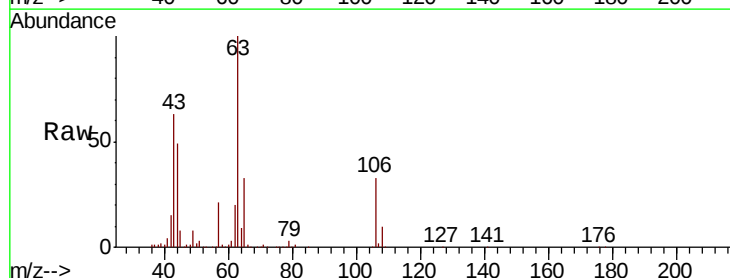
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

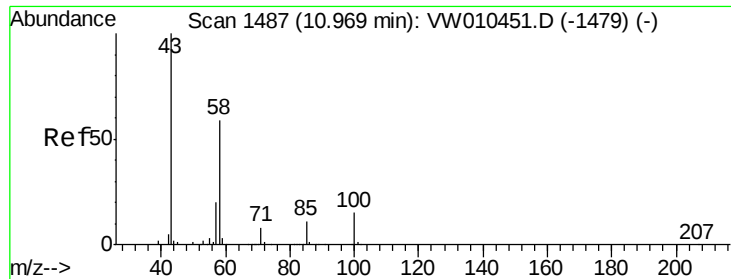
Tot Ion: 76 Resp: 105894
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.164 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 63 Resp: 198002
 Ion Ratio Lower Upper
 63 100
 106 33.5 25.8 38.6

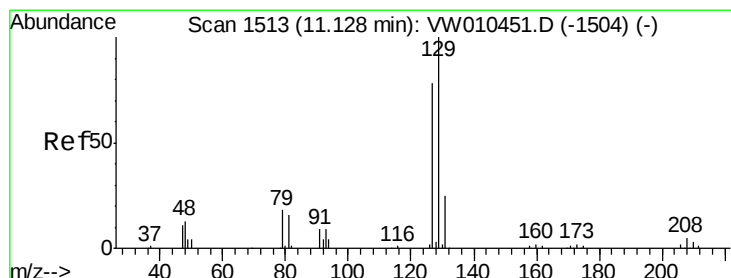
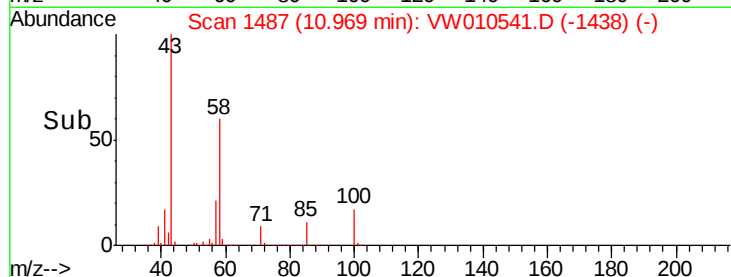
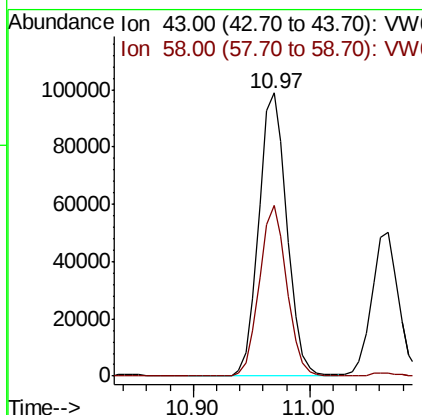
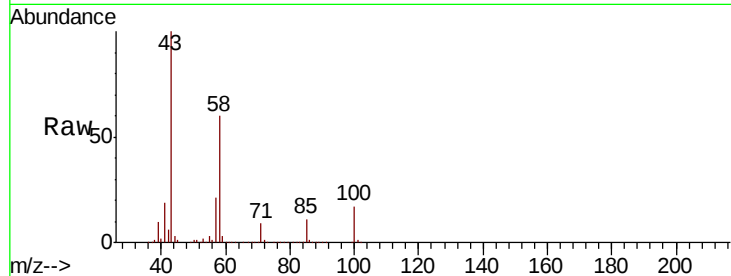




#59
2-Hexanone
Concen: 244.361 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

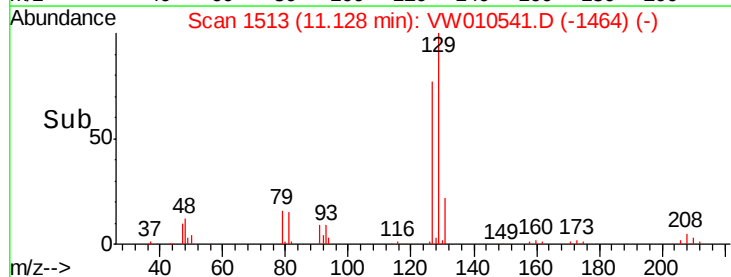
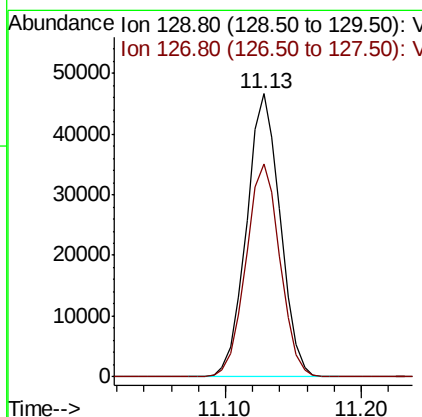
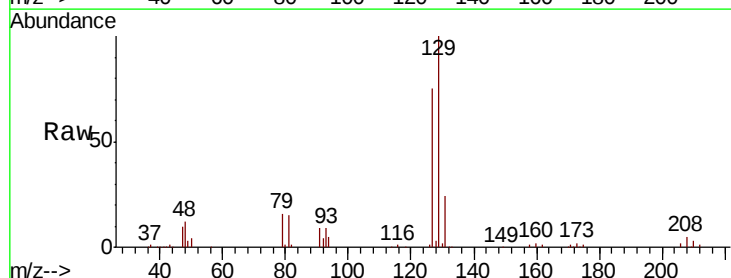
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

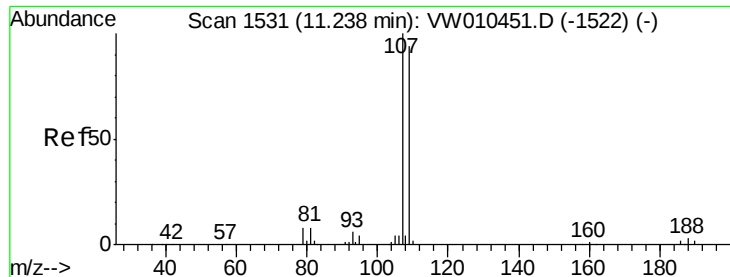
Tot Ion: 43 Resp: 165232
Ion Ratio Lower Upper
43 100
58 58.8 28.9 86.8



#60
Dibromochloromethane
Concen: 52.195 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 129 Resp: 80747
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7

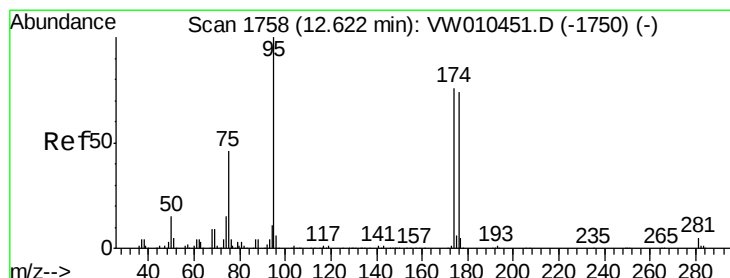
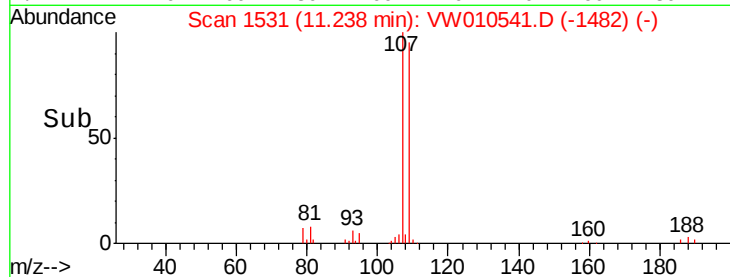
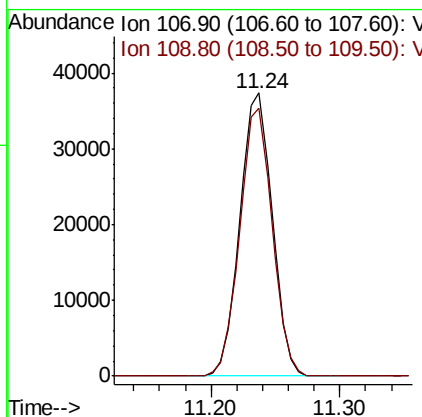
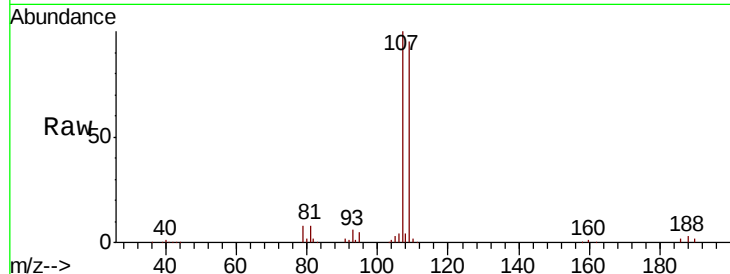




#61
 1,2-Dibromoethane
 Concen: 52.438 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

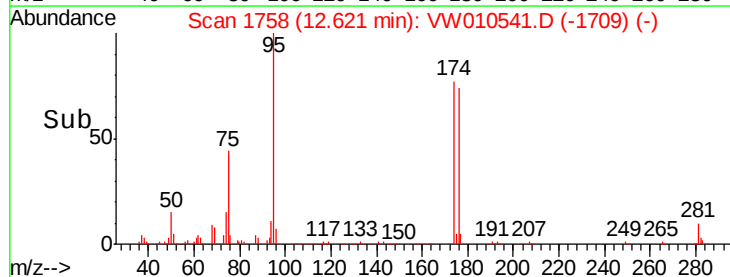
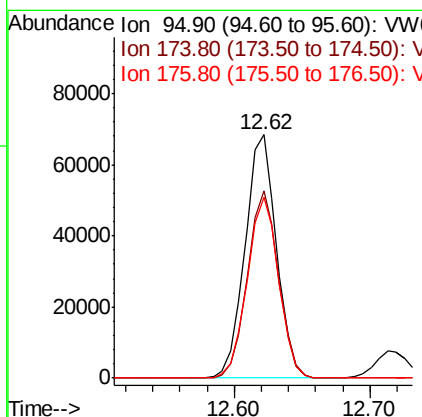
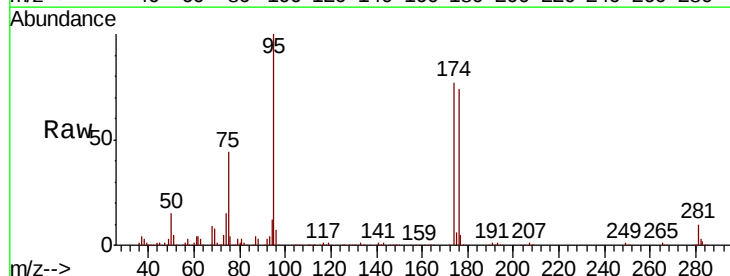
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

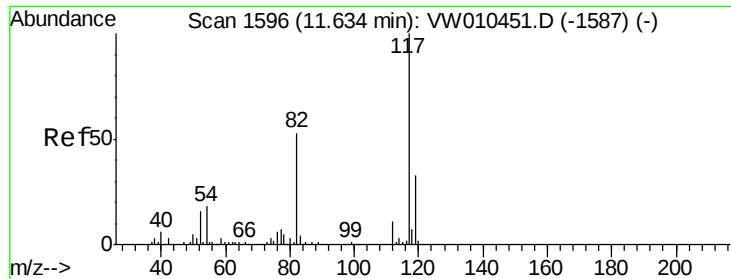
Tot Ion: 107 Resp: 64931
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.547 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion: 95 Resp: 110316
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 148.6
 176 74.6 0.0 144.2

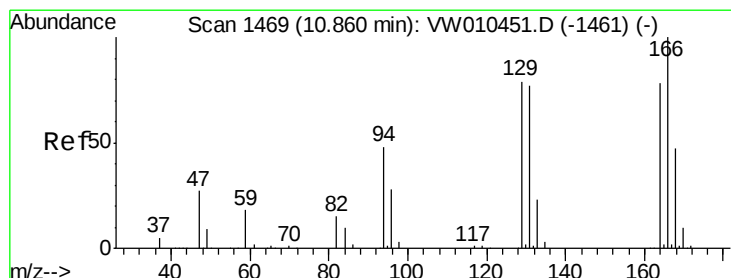
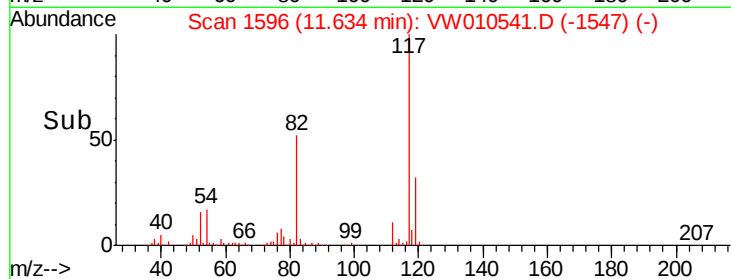
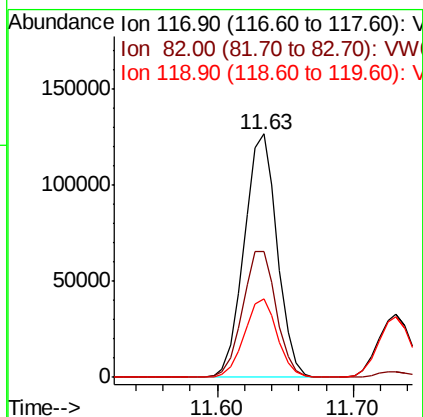
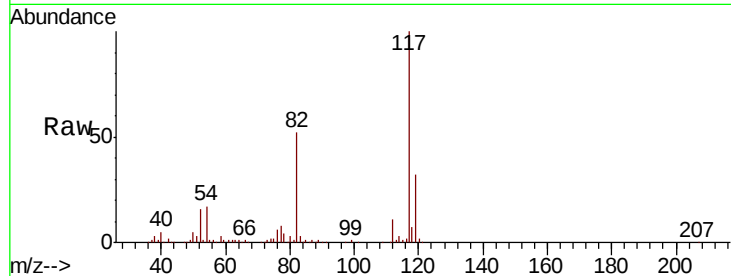




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

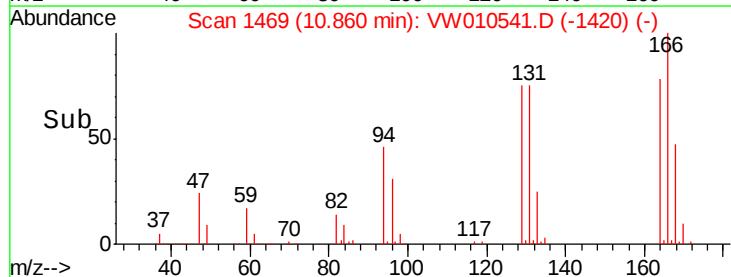
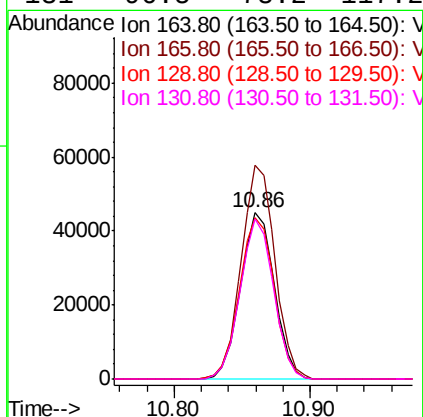
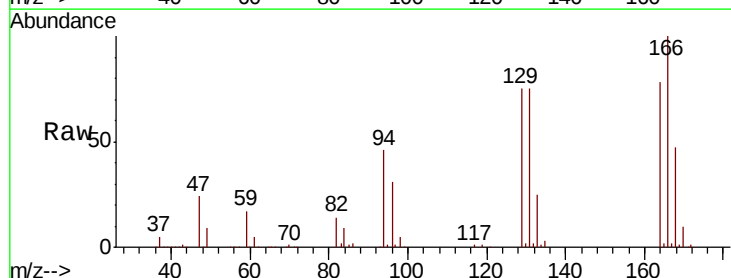
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

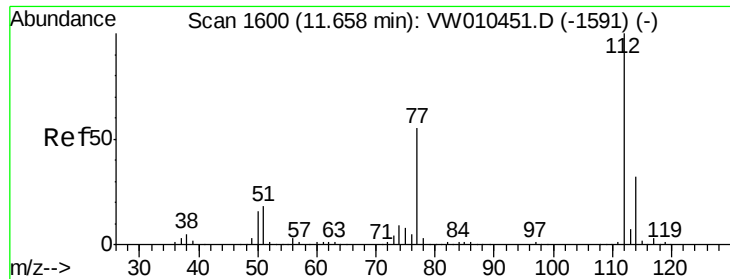
Tot Ion:117 Resp: 214272
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 52.548 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion:164 Resp: 78489
Ion Ratio Lower Upper
164 100
166 128.4 101.9 152.9
129 96.9 80.6 121.0
131 96.5 78.2 117.2

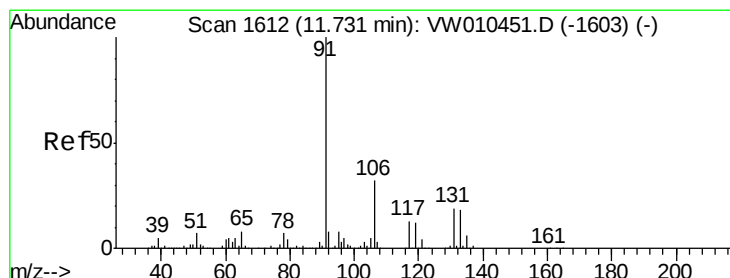
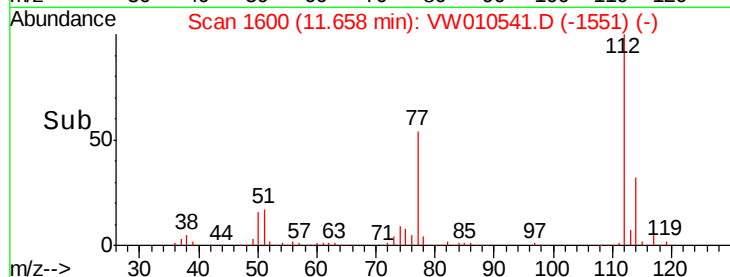
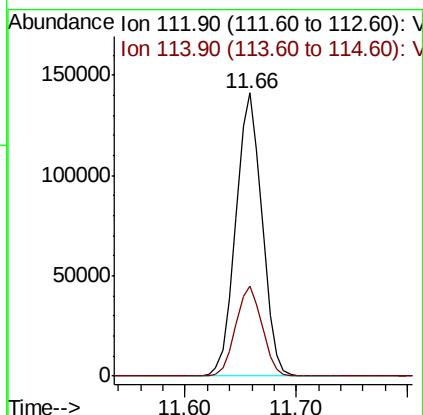
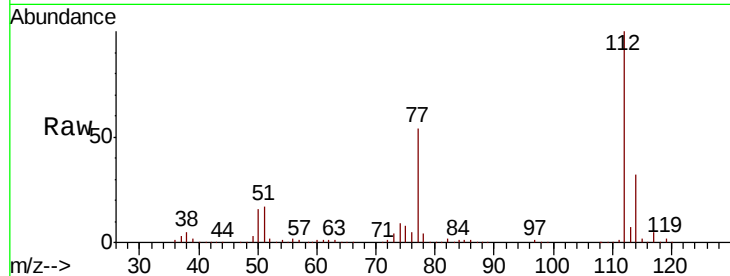




#65
Chlorobenzene
Concen: 50.270 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

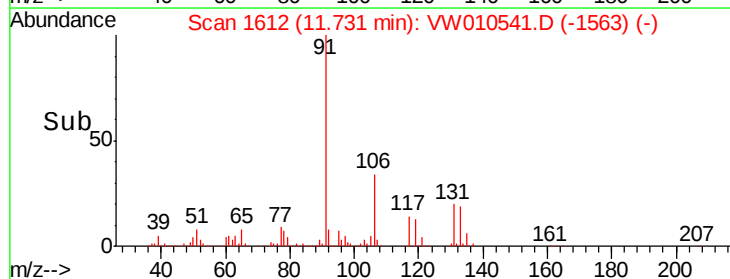
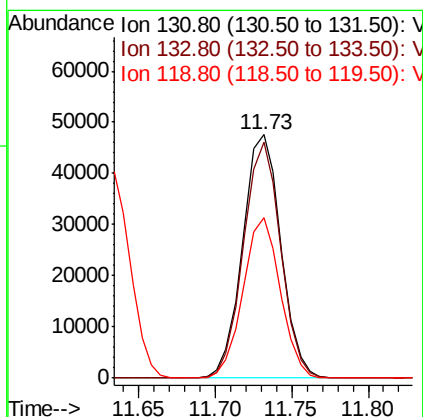
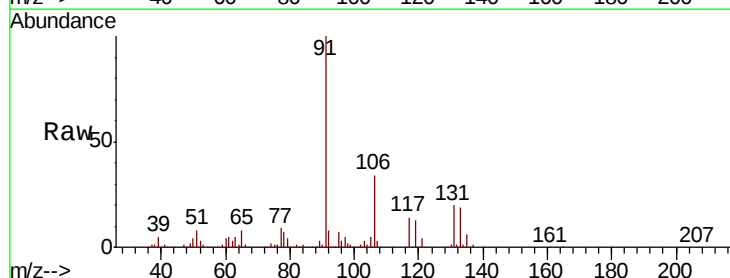
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

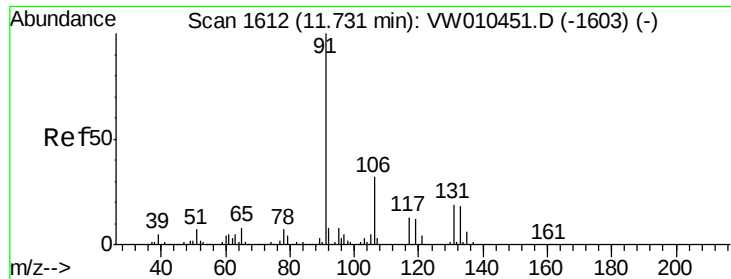
Tot Ion:112 Resp: 229567
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.566 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion:131 Resp: 82719
Ion Ratio Lower Upper
131 100
133 94.3 47.3 141.9
119 64.0 32.1 96.5

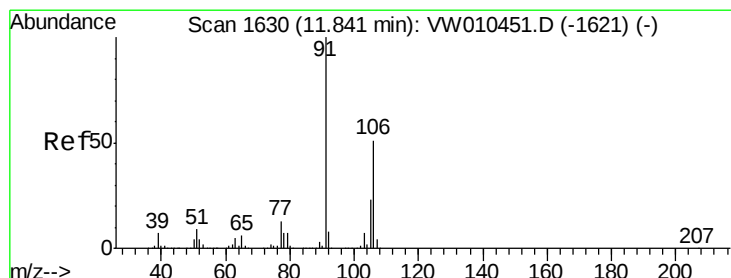
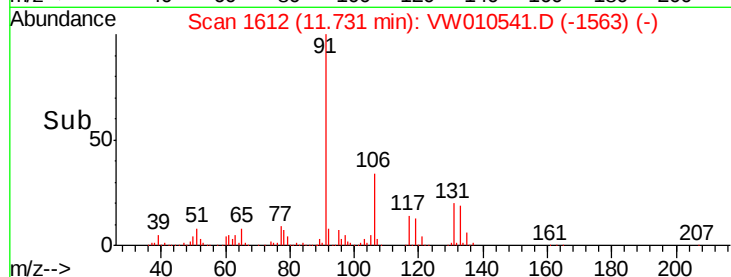
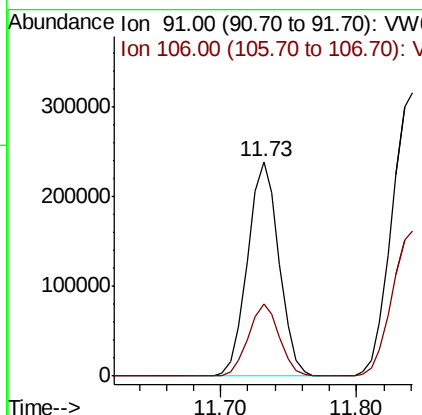
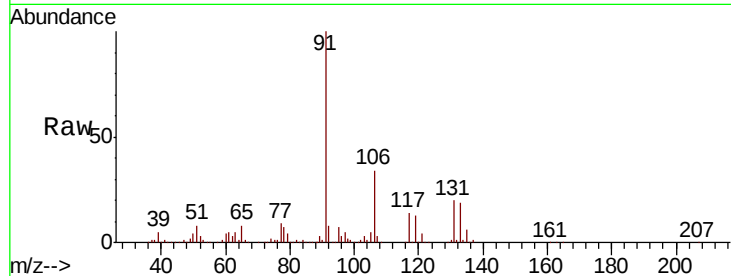




#67
Ethyl Benzene
Concen: 47.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

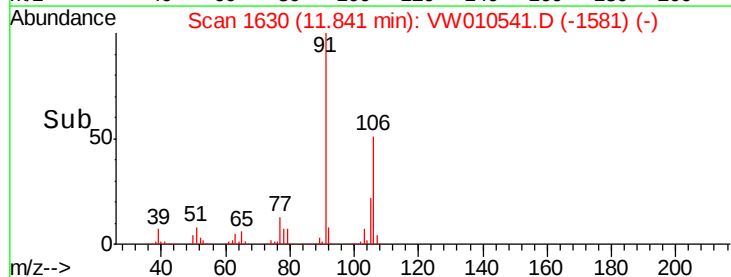
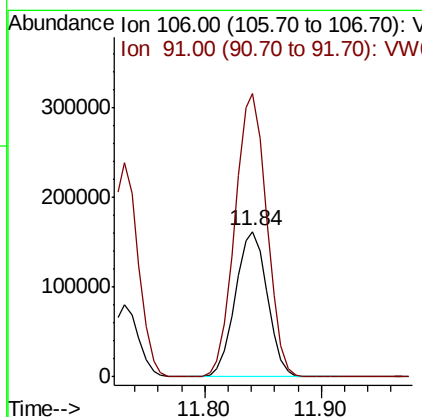
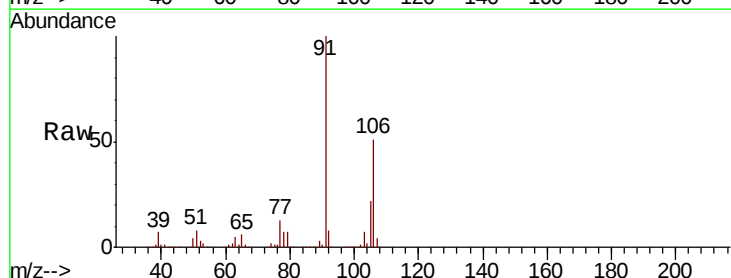
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

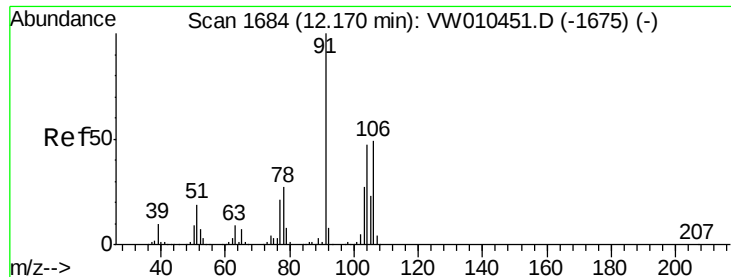
Tot Ion: 91 Resp: 386855
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9



#68
m/p-Xylenes
Concen: 97.813 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 106 Resp: 309324
Ion Ratio Lower Upper
106 100
91 193.8 156.0 234.0

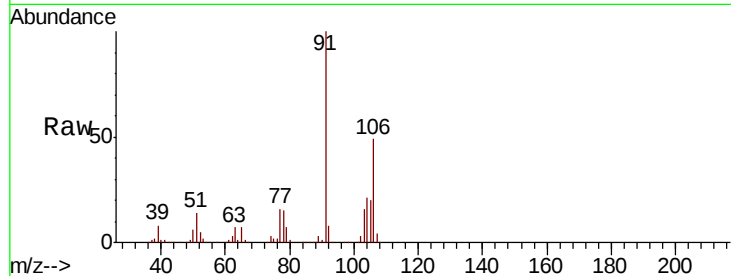




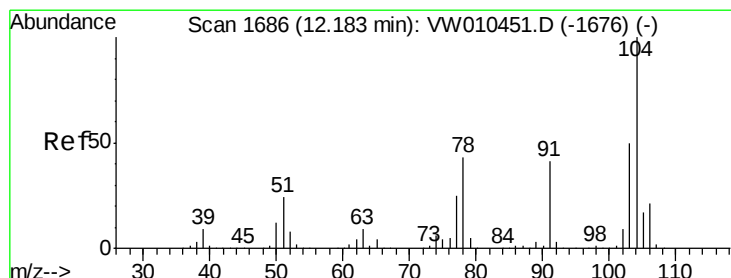
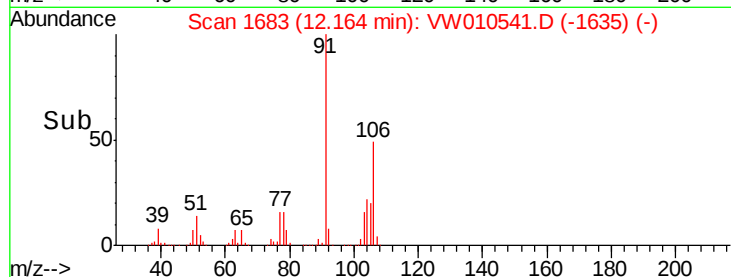
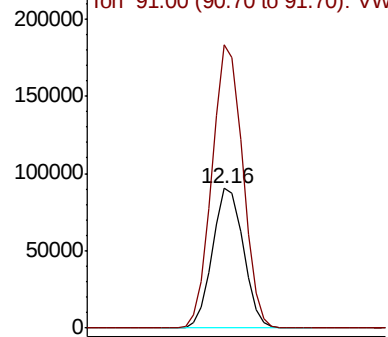
#69
o-Xylene
Concen: 50.077 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 150042
Ion Ratio Lower Upper
106 100
91 201.5 103.2 309.4

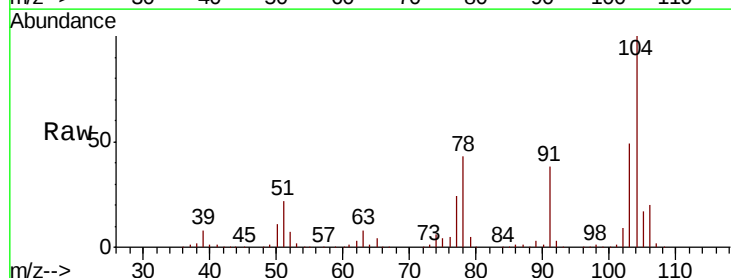


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

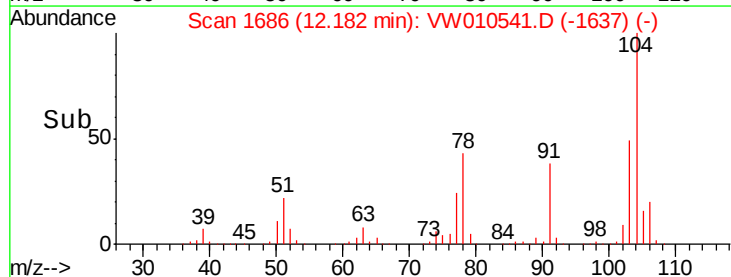
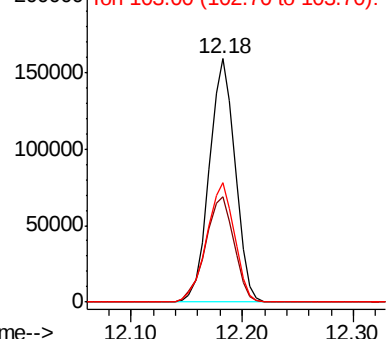


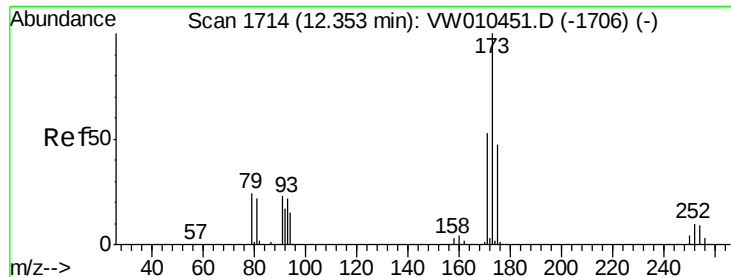
#70
Styrene
Concen: 50.326 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion:104 Resp: 255841
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 52.8 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.758 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

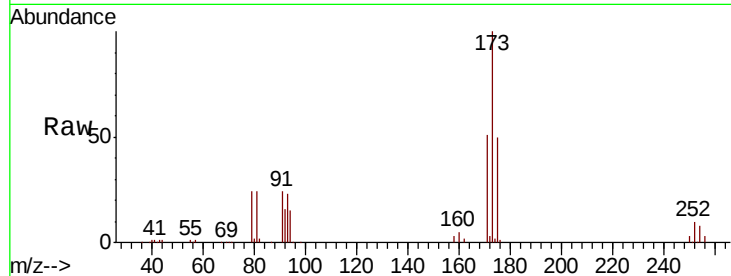
Tot Ion:173 Resp: 45725

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

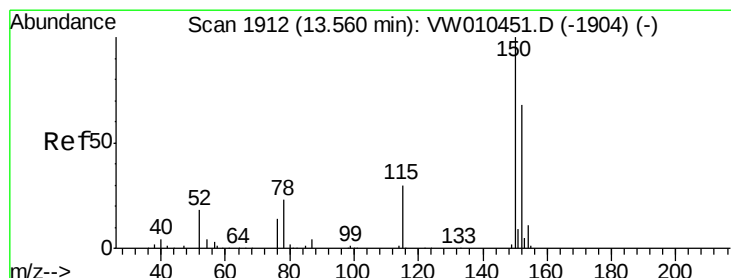
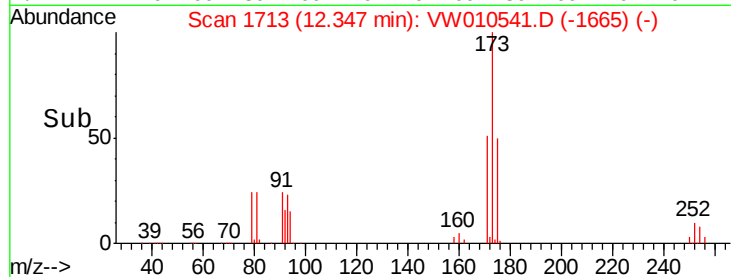
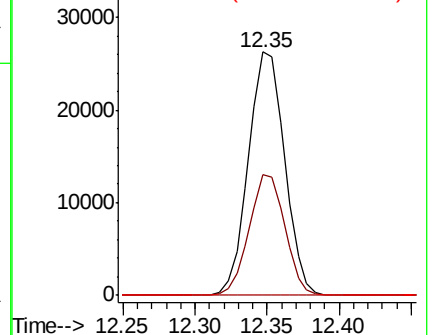
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

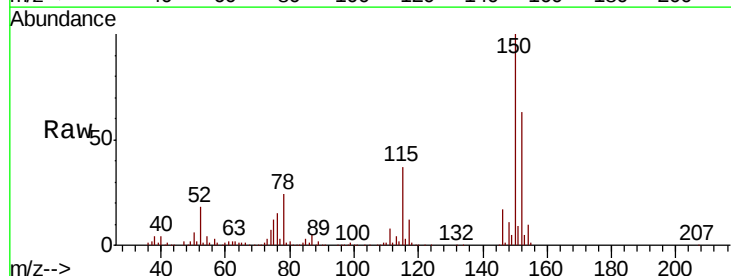
Tgt Ion:152 Resp: 106697

Ion Ratio Lower Upper

152 100

115 59.1 30.3 91.0

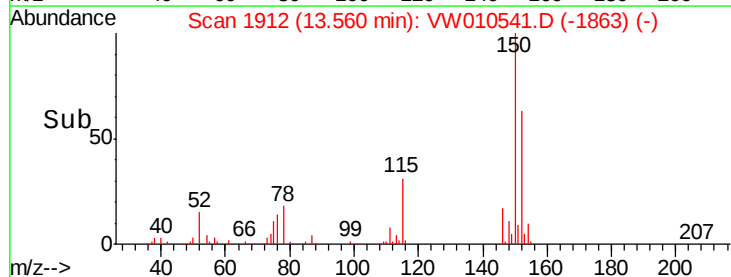
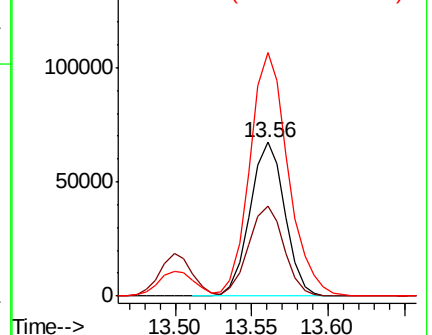
150 174.0 0.0 349.8

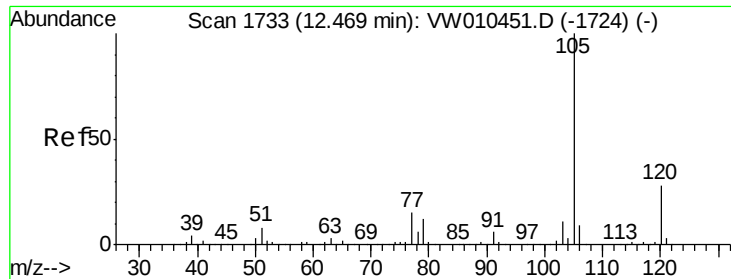


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.071 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleID :

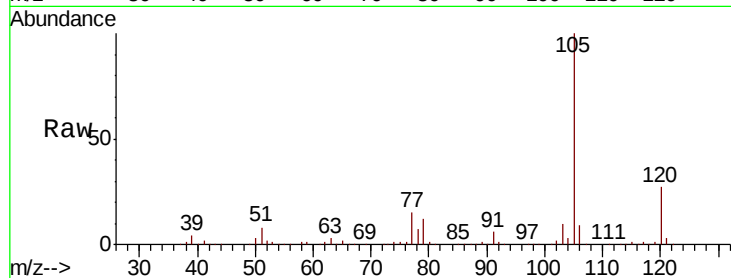
VSTDCCC050EC

Tot Ion:105 Resp: 398542

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

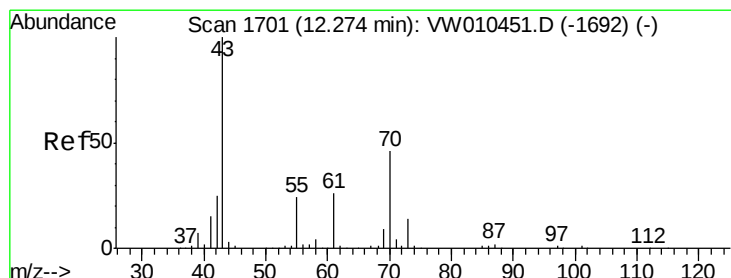
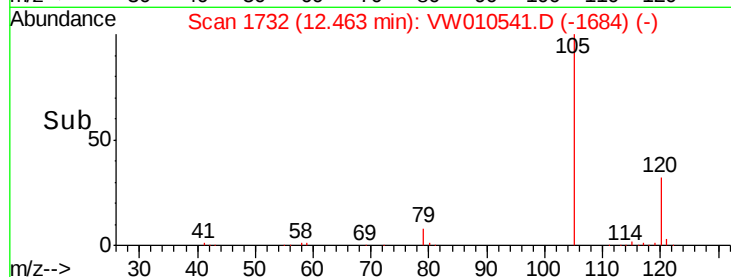
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 45.508 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion: 43 Resp: 88294

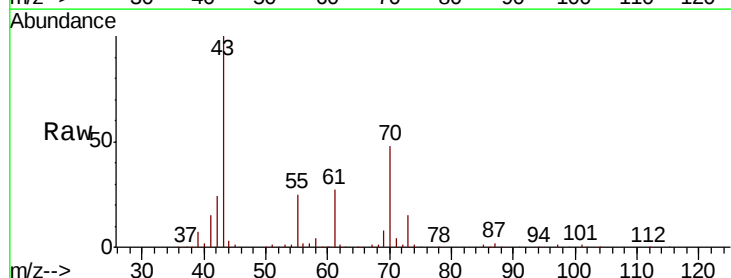
Ion Ratio Lower Upper

43 100

70 48.5 37.1 55.7

55 25.5 19.6 29.4

61 26.8 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

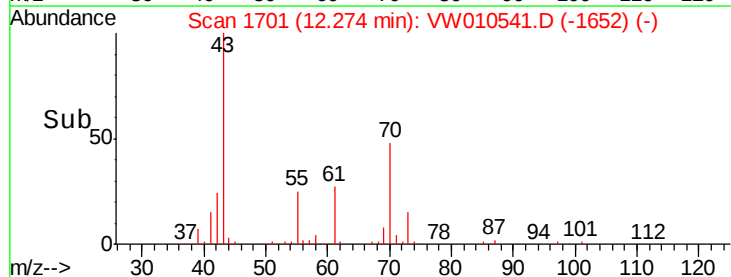
0

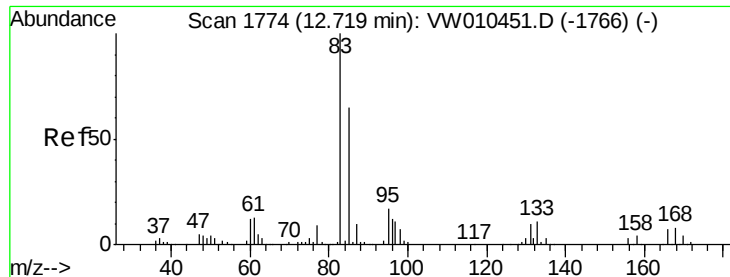
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.316 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

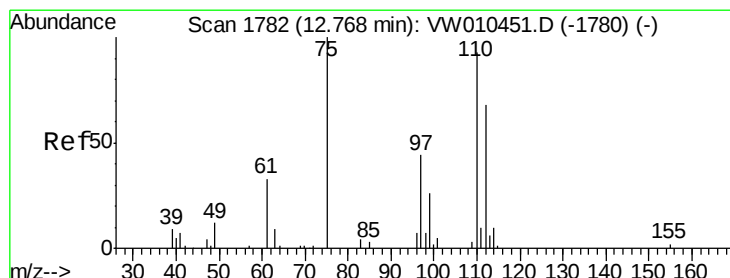
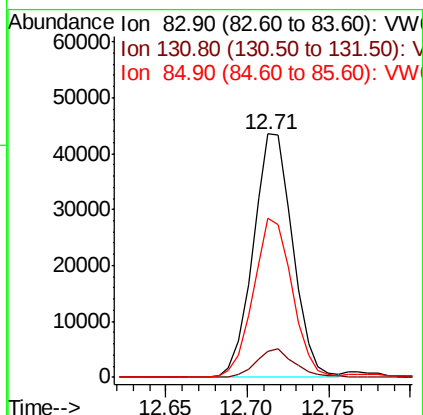
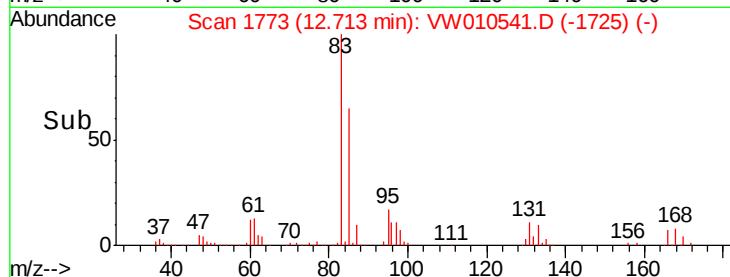
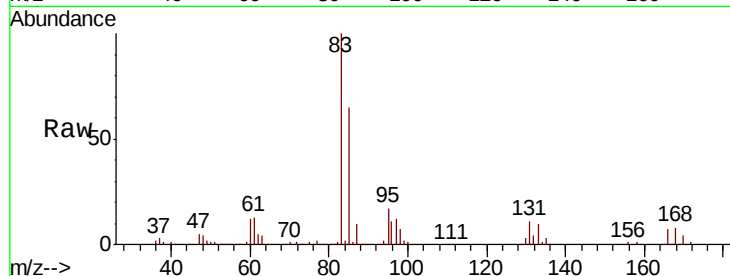
Tot Ion: 83 Resp: 72866

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

85 64.3 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 83.931 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010541.D

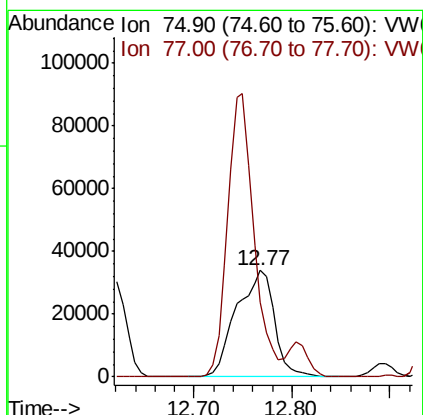
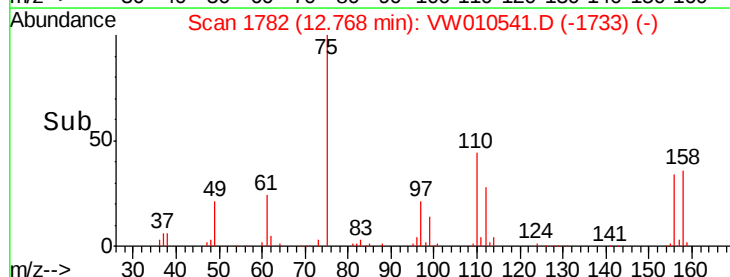
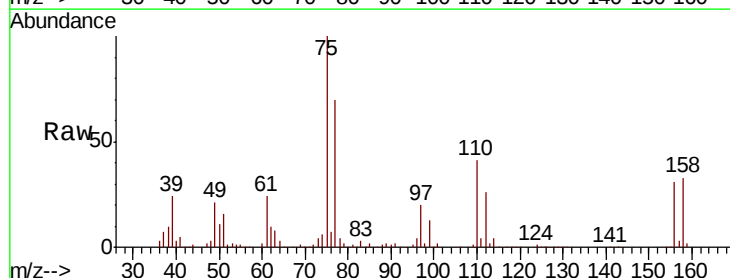
Acq: 23 May 2019 21:15

Tgt Ion: 75 Resp: 90901

Ion Ratio Lower Upper

75 100

77 185.5 170.0 510.1





#77

Bromobenzene

Concen: 50.260 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

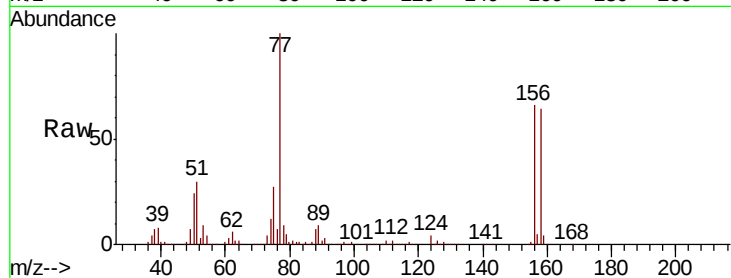
Tot Ion:156 Resp: 95229

Ion Ratio Lower Upper

156 100

77 177.0 92.4 277.2

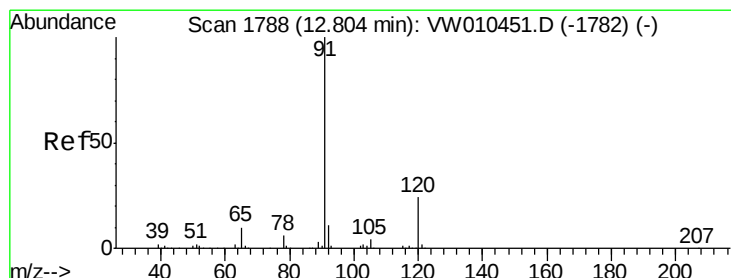
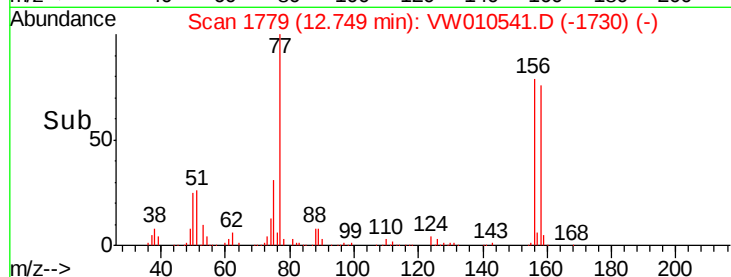
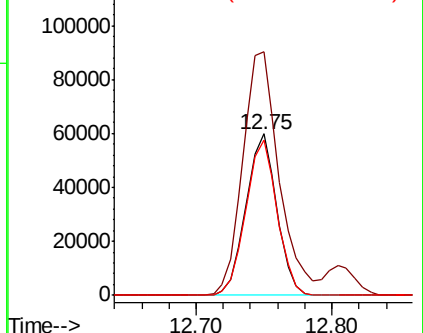
158 97.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.725 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010541.D

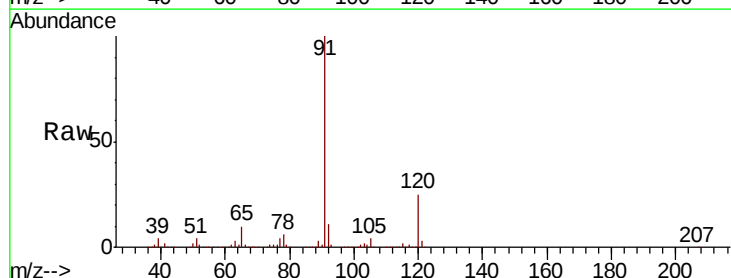
Acq: 23 May 2019 21:15

Tgt Ion: 91 Resp: 451166

Ion Ratio Lower Upper

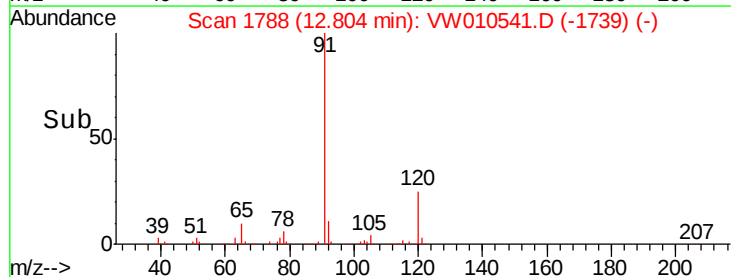
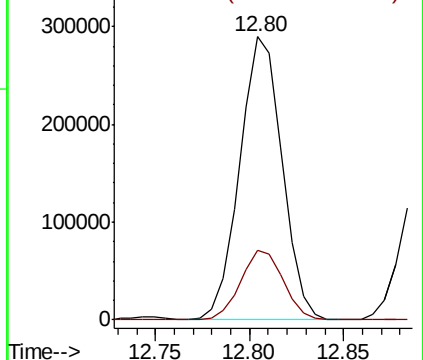
91 100

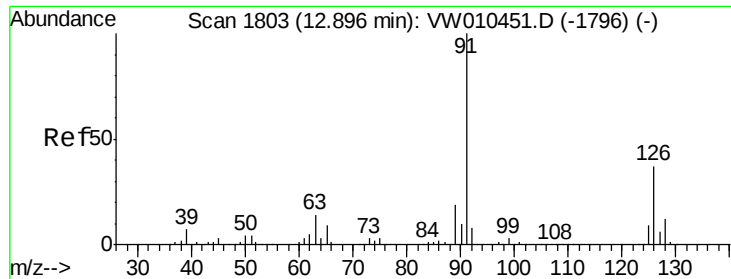
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.678 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

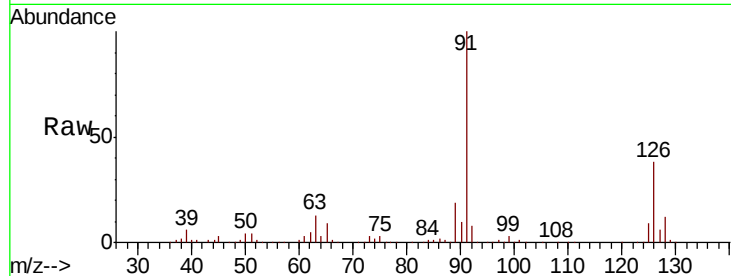
VSTDCCC050EC

Tot Ion: 91 Resp: 267095

Ion Ratio Lower Upper

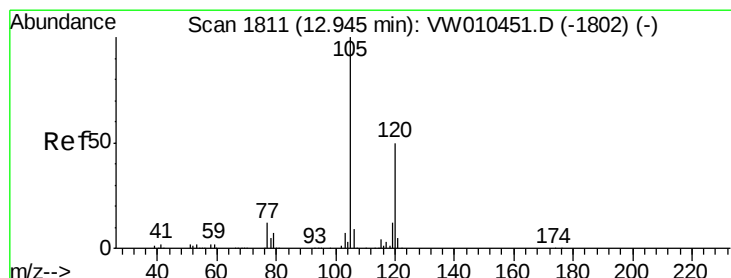
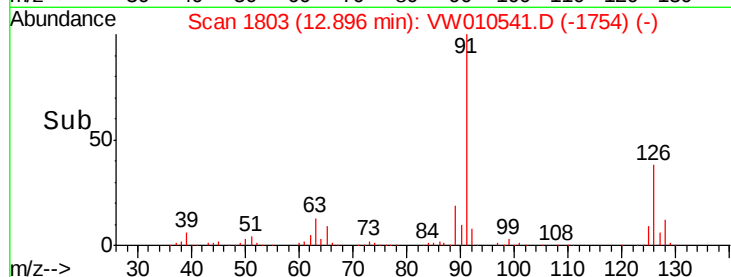
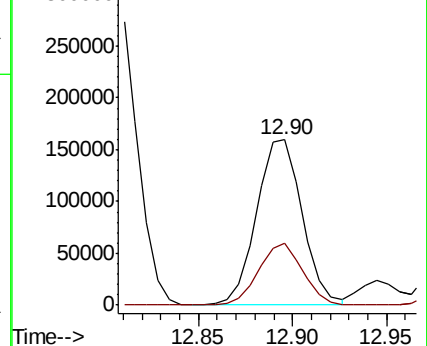
91 100

126 35.9 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: 46.884 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010541.D

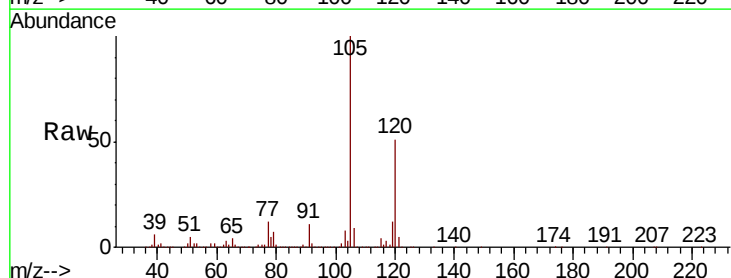
Acq: 23 May 2019 21:15

Tgt Ion:105 Resp: 336199

Ion Ratio Lower Upper

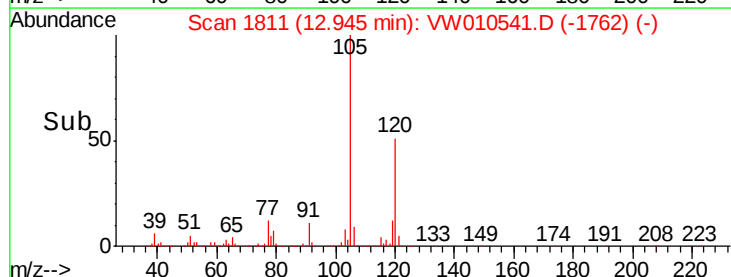
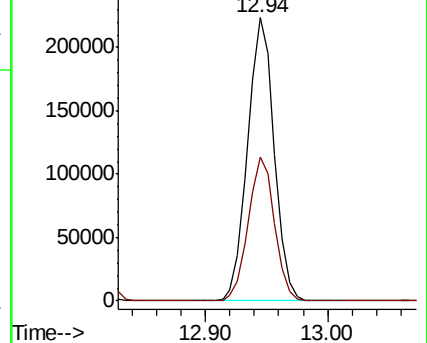
105 100

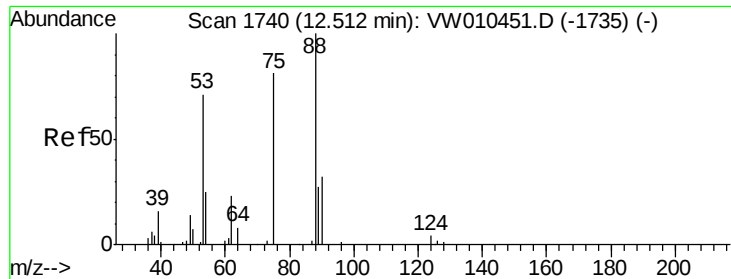
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

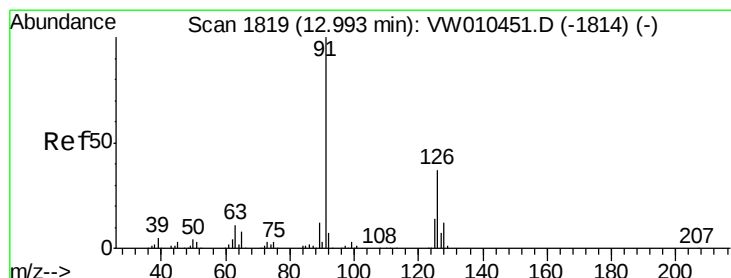
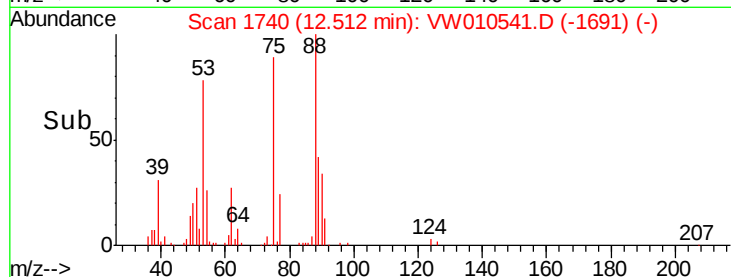
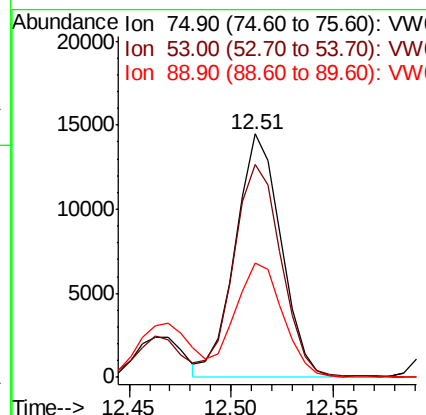
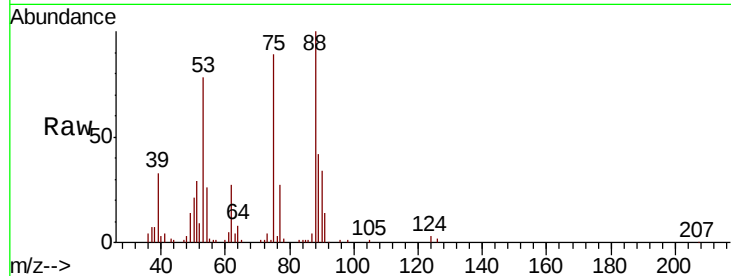




#81
trans-1,4-Dichloro-2-butene
Concen: 43.448 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

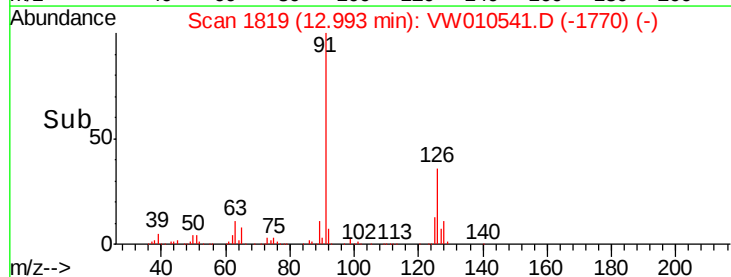
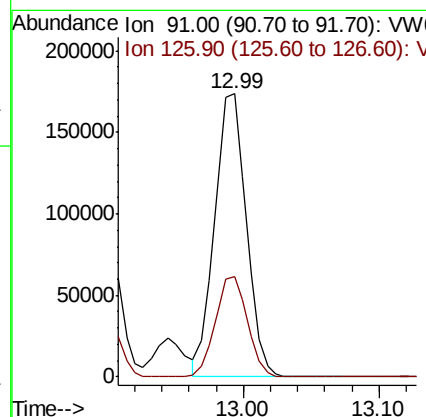
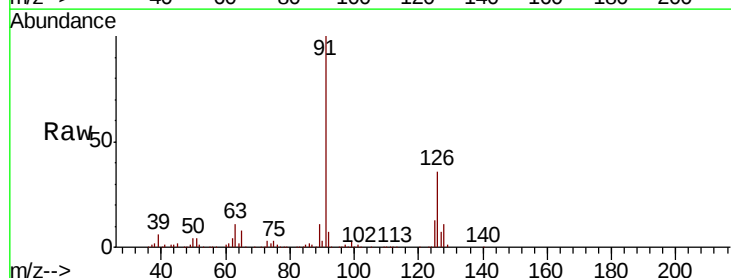
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

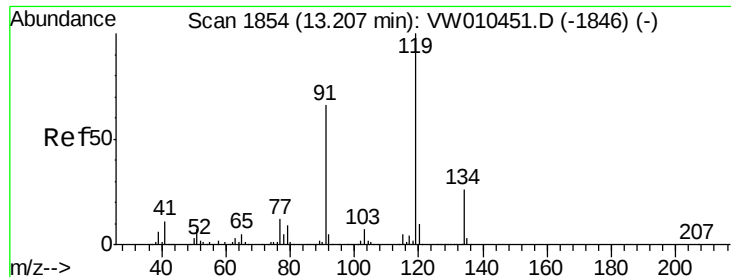
Tot Ion: 75 Resp: 22547
Ion Ratio Lower Upper
75 100
53 90.5 69.8 104.8
89 49.5 39.5 59.3



#82
4-Chlorotoluene
Concen: 47.081 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 91 Resp: 279628
Ion Ratio Lower Upper
91 100
126 35.9 17.5 52.6

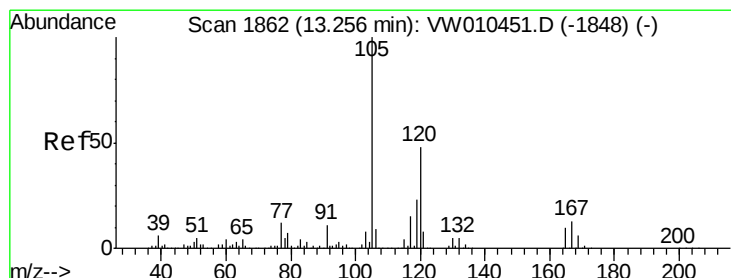
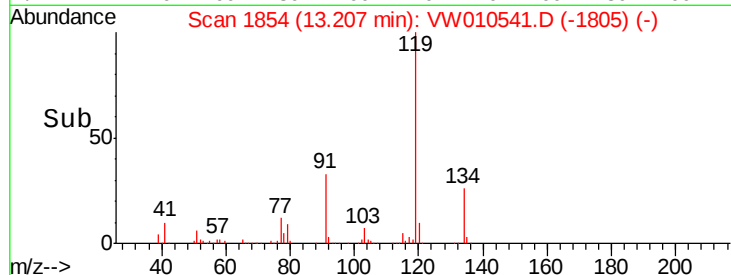
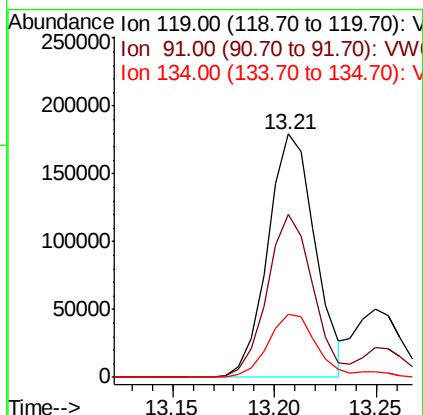
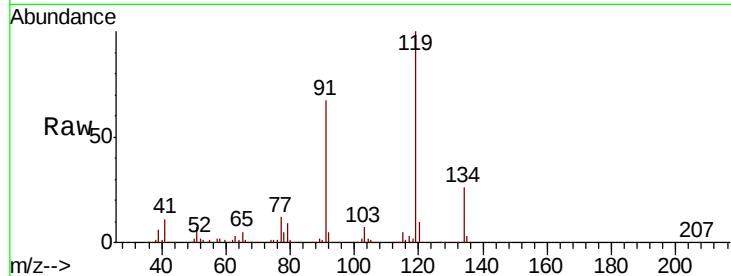




#83
tert-Butylbenzene
Concen: 46.243 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

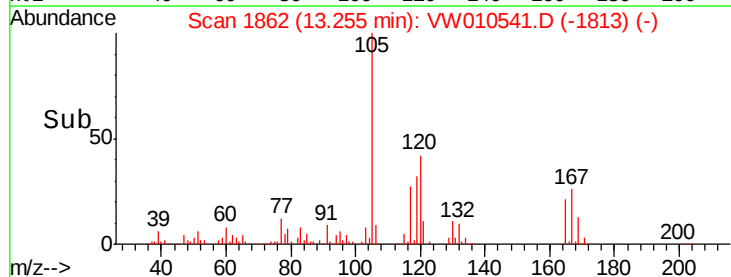
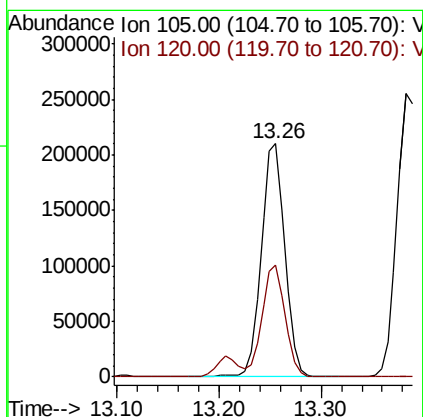
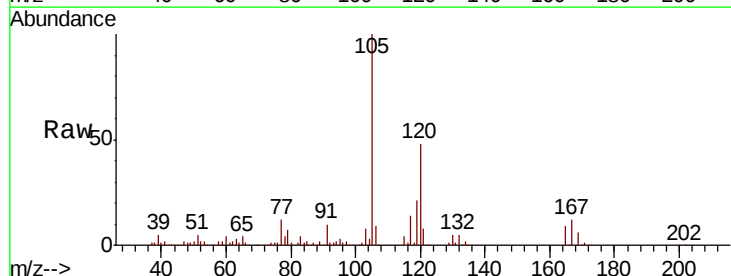
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

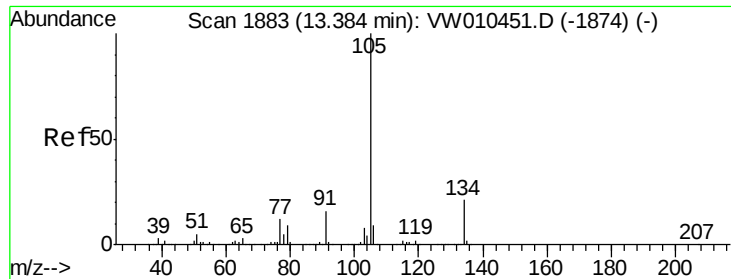
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.1	99.5
134	28.0	13.9	41.6



#84
1,2,4-Trimethylbenzene
Concen: 47.274 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.2





#85

sec-Butylbenzene

Concen: 45.825 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

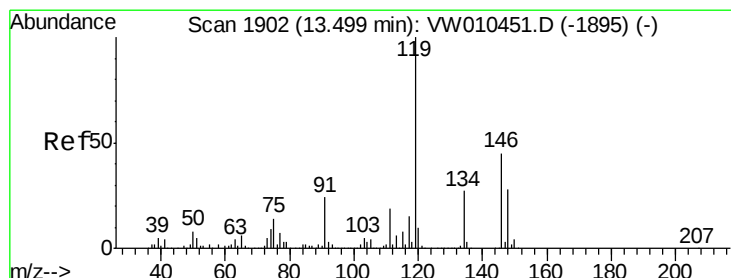
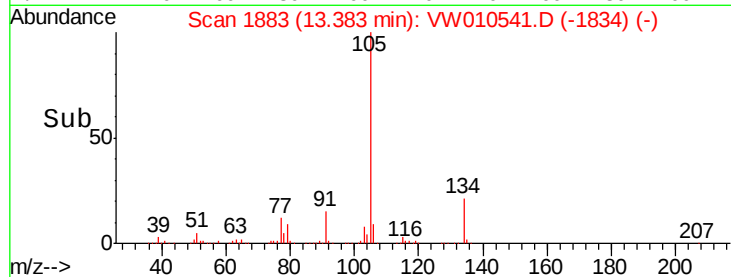
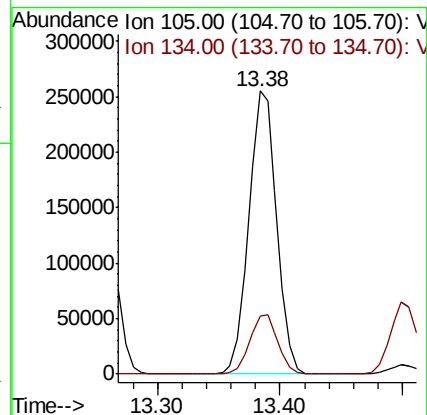
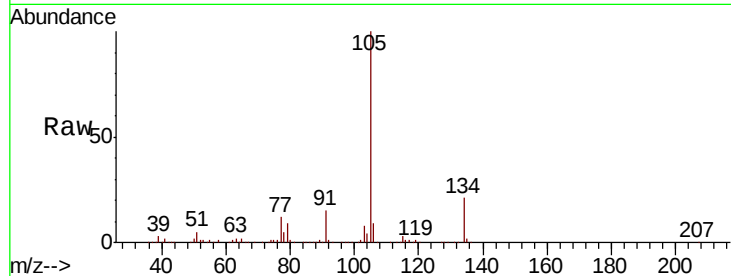
VSTDCCC050EC

Tot Ion:105 Resp: 401690

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.6



#86

p-Isopropyltoluene

Concen: 46.048 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

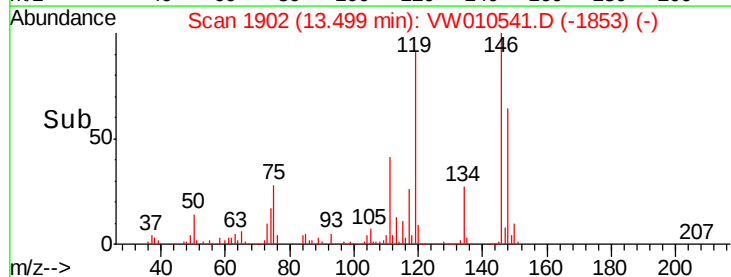
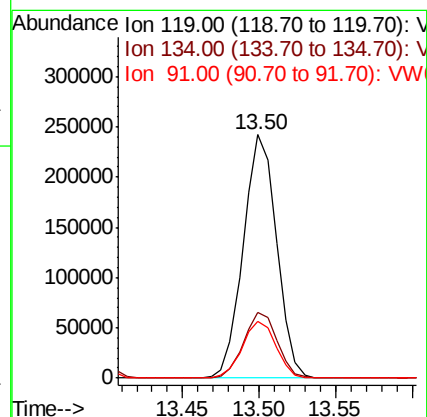
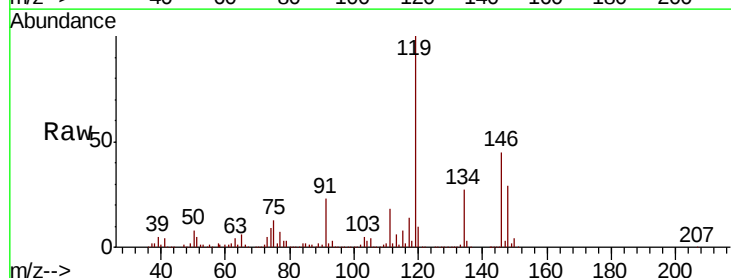
Tgt Ion:119 Resp: 365355

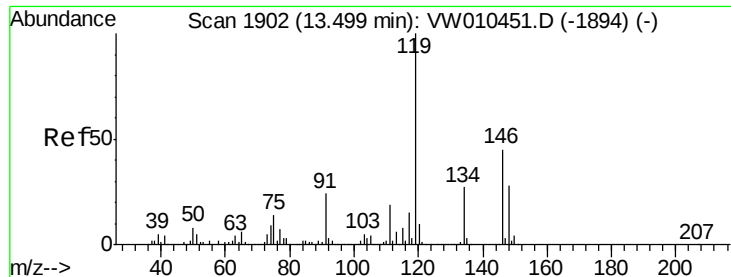
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 23.6 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 48.559 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

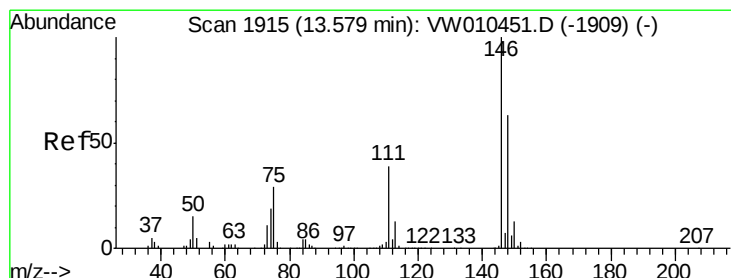
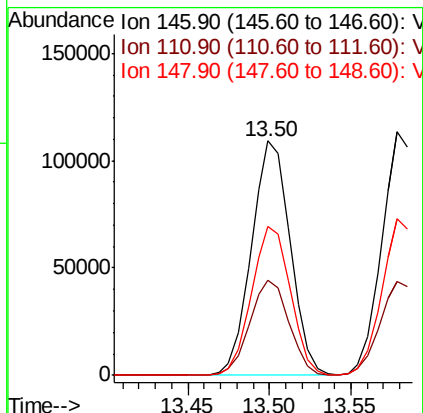
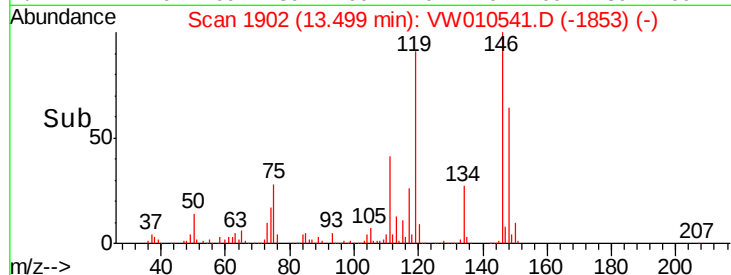
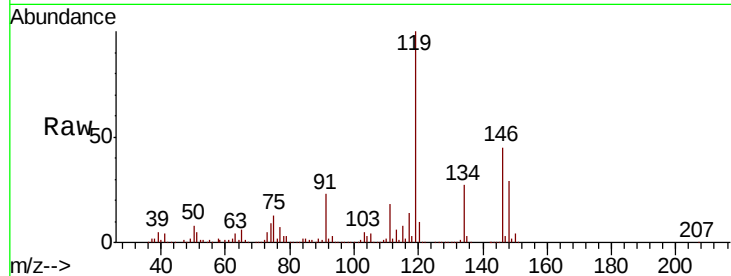
Tot Ion:146 Resp: 180507

Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.9

148 63.6 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 49.248 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

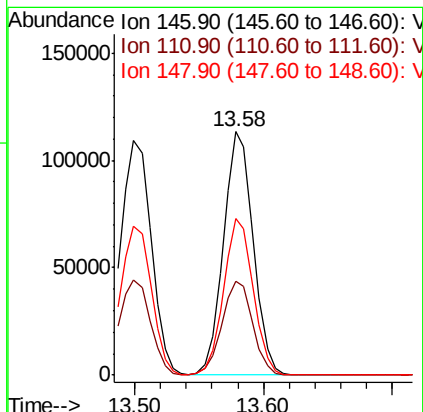
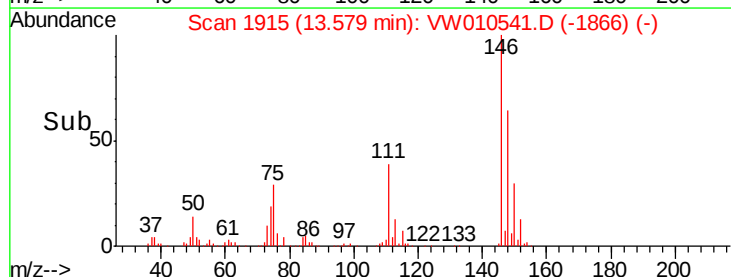
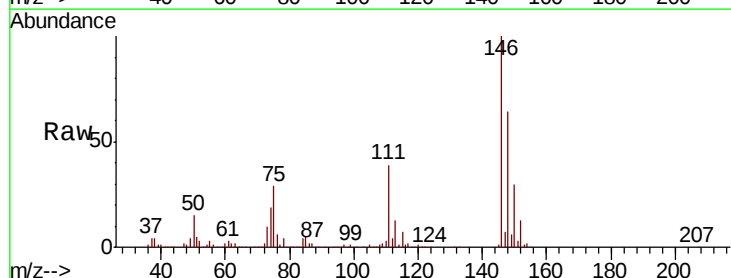
Tgt Ion:146 Resp: 183677

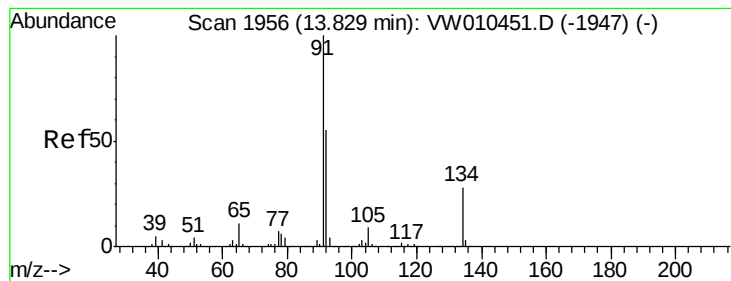
Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.6

148 64.0 31.6 94.8





#89

n-Butylbenzene

Concen: 45.320 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

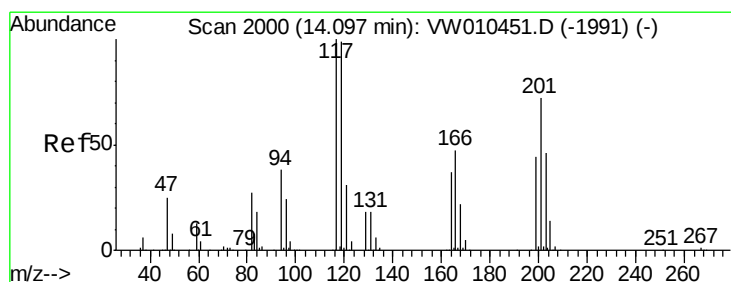
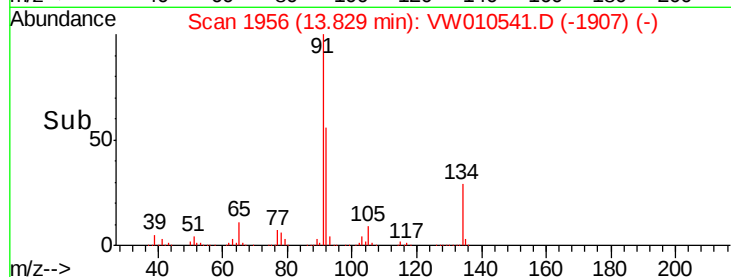
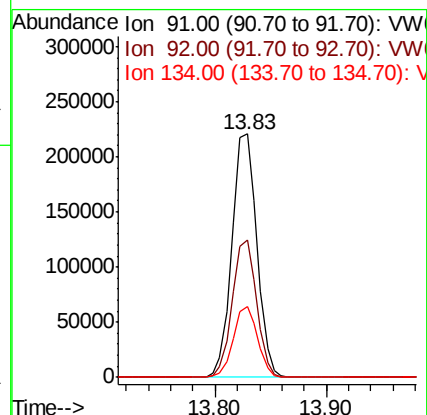
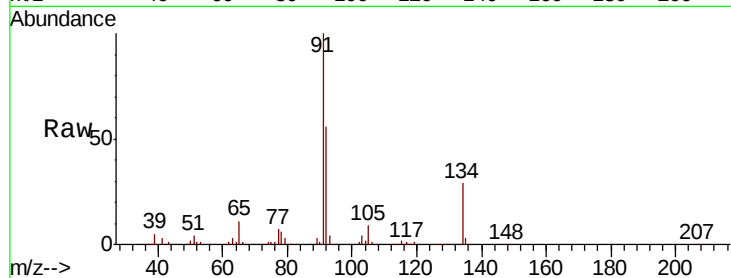
Tot Ion: 91 Resp: 342022

Ion Ratio Lower Upper

91 100

92 55.2 27.7 83.1

134 28.5 13.9 41.6



#90

Hexachloroethane

Concen: 45.734 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010541.D

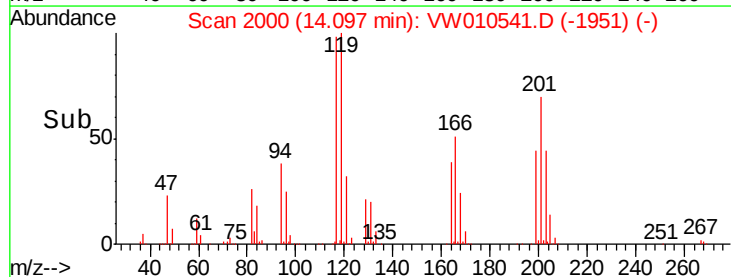
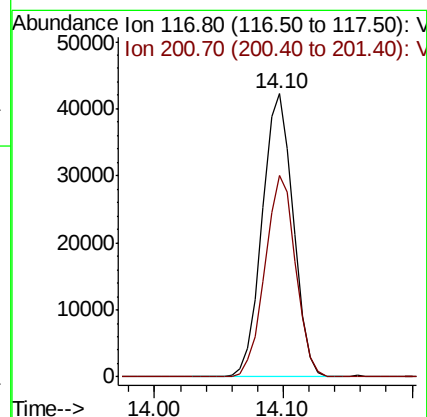
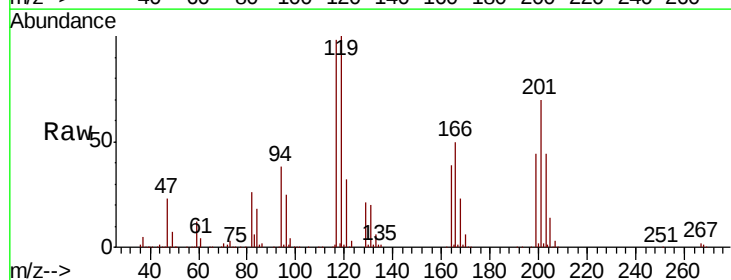
Acq: 23 May 2019 21:15

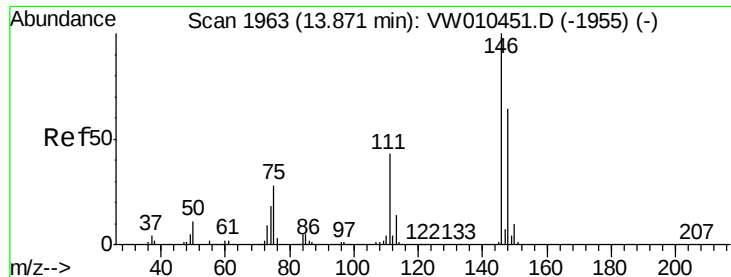
Tgt Ion: 117 Resp: 70235

Ion Ratio Lower Upper

117 100

201 70.7 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 49.948 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

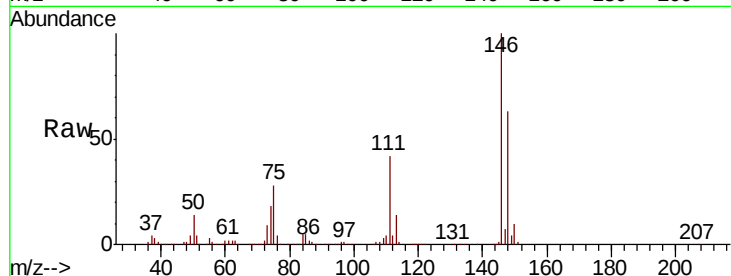
Tot Ion:146 Resp: 169177

Ion Ratio Lower Upper

146 100

111 42.0 21.3 64.0

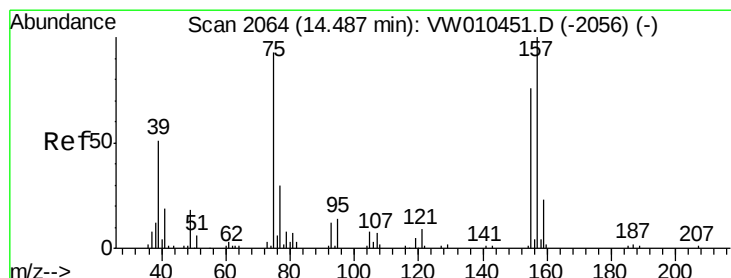
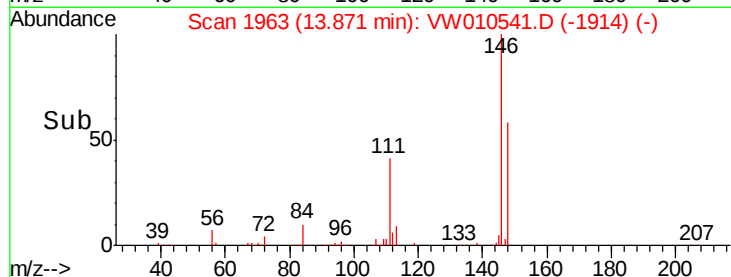
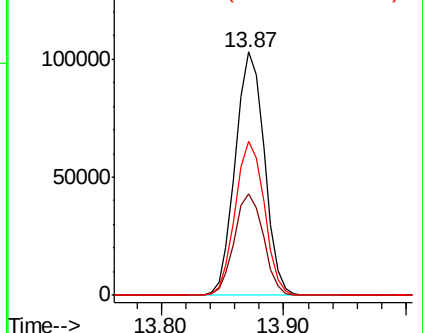
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.097 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

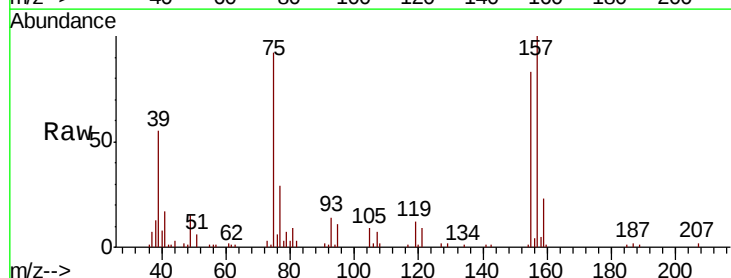
Tgt Ion: 75 Resp: 13200

Ion Ratio Lower Upper

75 100

155 91.7 43.0 129.0

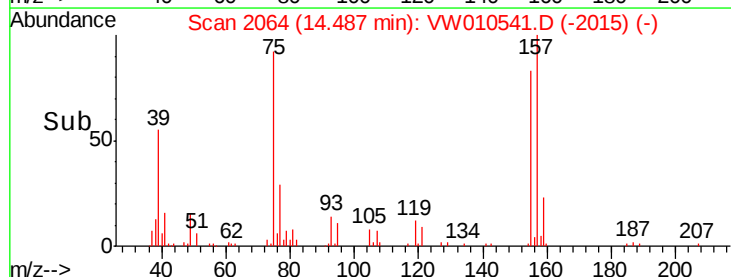
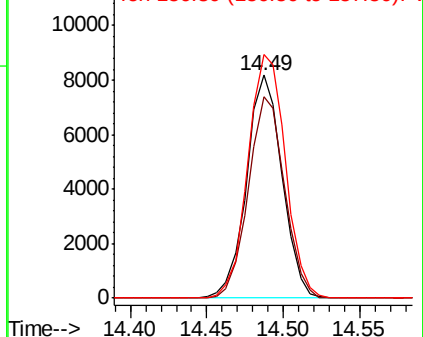
157 115.1 55.7 167.1

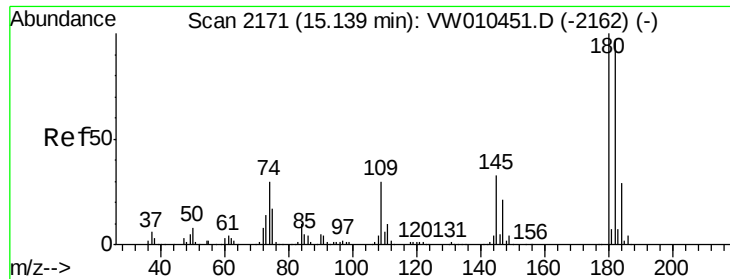


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

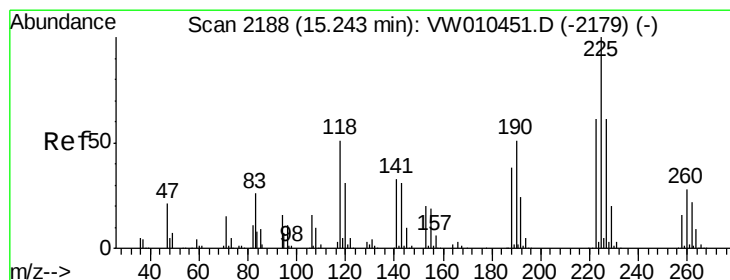
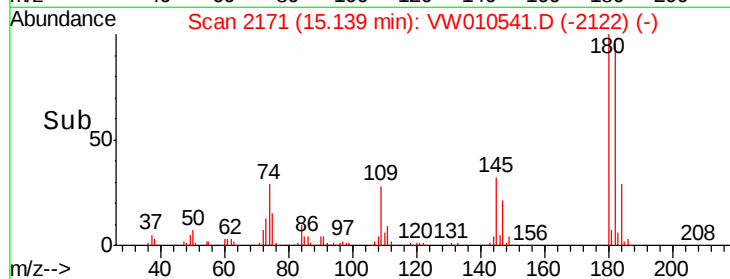
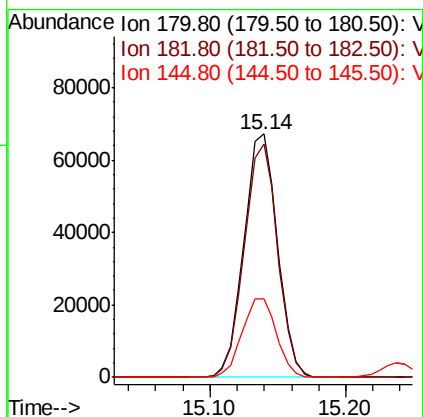
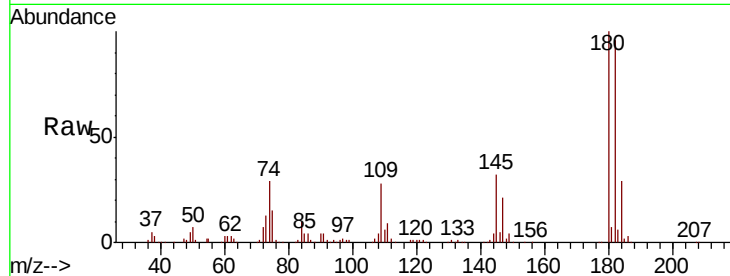




#93
 1,2,4-Trichlorobenzene
 Concen: 50.576 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

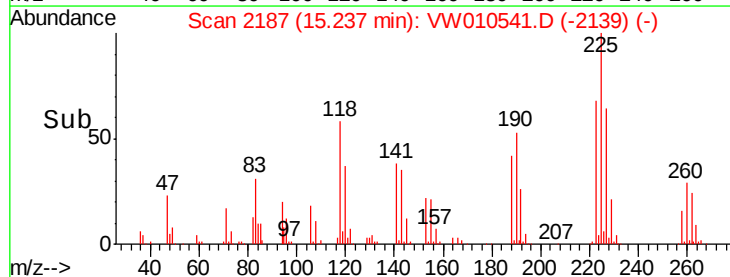
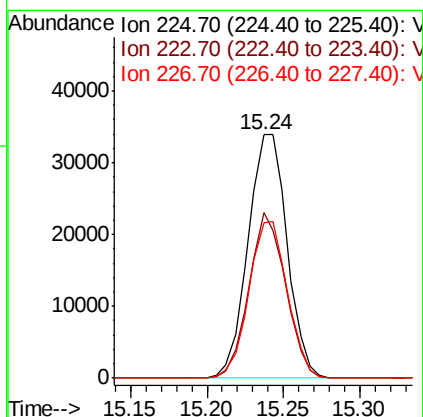
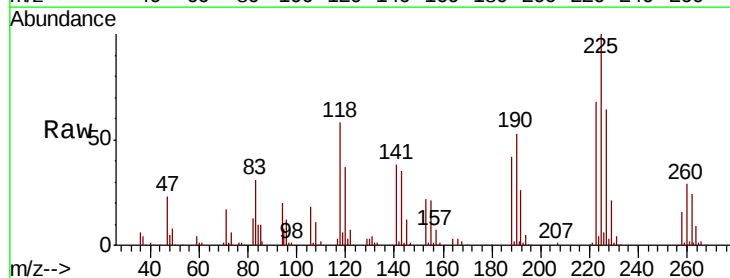
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

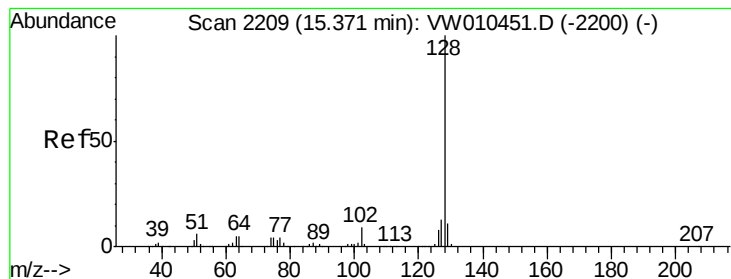
Tot Ion:180 Resp: 116554
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.0 141.2
 145 33.0 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 49.057 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion:225 Resp: 60395
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.2
 227 63.5 31.1 93.5





#95

Naphthalene

Concen: 49.649 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

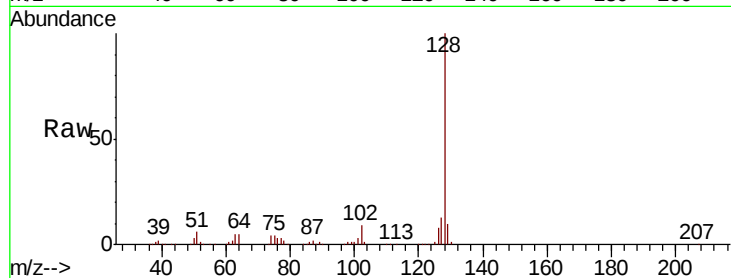
Tot Ion:128 Resp: 240175

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

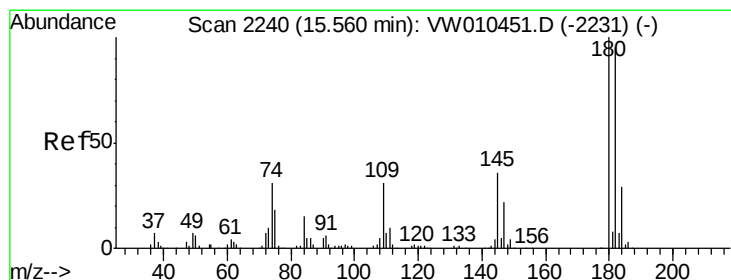
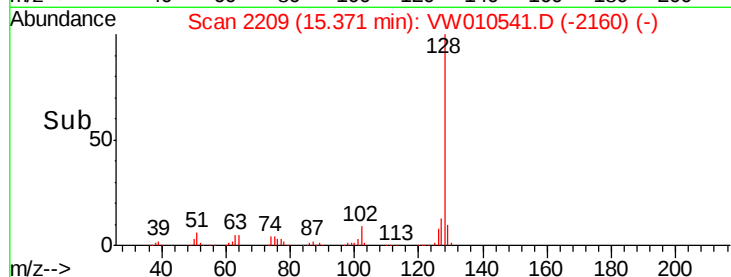
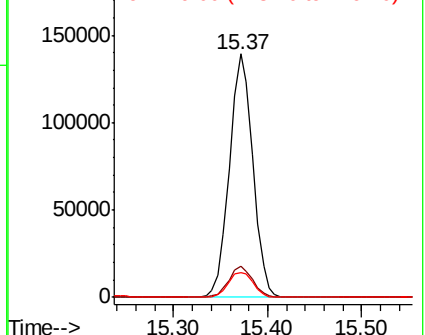
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.391 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

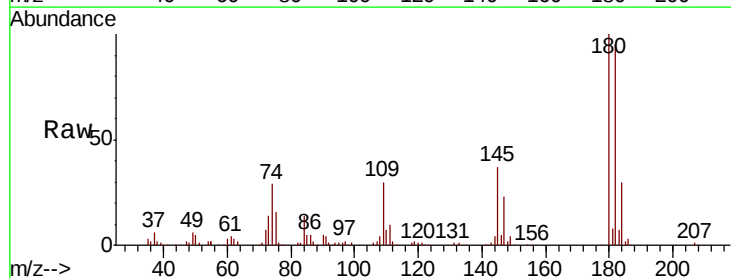
Tgt Ion:180 Resp: 101906

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 35.8 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

