

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010456.D
 Acq On : 20 May 2019 19:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 21 06:48:15 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	138301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	243270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105137	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	75929	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	77403	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.32	98	297156	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.62	95	113824	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	68902	55.955	ug/l	100
3) Chloromethane	2.21	50	80517	55.411	ug/l	96
4) Vinyl Chloride	2.35	62	91607	54.426	ug/l	99
5) Bromomethane	2.75	94	64979	56.117	ug/l	96
6) Chloroethane	2.91	64	60752	56.227	ug/l	100
7) Trichlorofluoromethane	3.25	101	135059	54.351	ug/l	96
8) Diethyl Ether	3.68	74	42434	53.870	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	82140	53.675	ug/l	100
10) Methyl Iodide	4.26	142	95279	54.471	ug/l	99
11) Tert butyl alcohol	5.17	59	32557	253.554	ug/l	99
12) 1,1-Dichloroethene	4.03	96	78632	53.827	ug/l	99
13) Acrolein	3.90	56	17800	236.722	ug/l	96
14) Allyl chloride	4.67	41	116473	55.082	ug/l	99
15) Acrylonitrile	5.37	53	88169	267.266	ug/l	99
16) Acetone	4.12	43	75501	259.111	ug/l	96
17) Carbon Disulfide	4.37	76	245622	56.371	ug/l	100
18) Methyl Acetate	4.67	43	36235	50.846	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	204709	54.969	ug/l	97
20) Methylene Chloride	4.92	84	87086	51.042	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	91828	54.803	ug/l	97
22) Diisopropyl ether	6.31	45	234802	54.154	ug/l	99
23) Vinyl Acetate	6.26	43	714360	275.820	ug/l	98
24) 1,1-Dichloroethane	6.21	63	144554	55.868	ug/l	99
25) 2-Butanone	7.17	43	111506	267.401	ug/l	99
26) 2,2-Dichloropropane	7.17	77	131895	53.515	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	100875	55.375	ug/l	100
28) Bromochloromethane	7.51	49	51926	56.053	ug/l	98
29) Tetrahydrofuran	7.52	42	73748	261.357	ug/l	100
30) Chloroform	7.68	83	154193	55.249	ug/l	100
31) Cyclohexane	7.95	56	138974	51.276	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	146631	54.970	ug/l	99
36) 1,1-Dichloropropene	8.09	75	121778	53.737	ug/l	100
37) Ethyl Acetate	7.26	43	49346	51.205	ug/l	97
38) Carbon Tetrachloride	8.07	117	132534	54.214	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010456.D
 Acq On : 20 May 2019 19:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 21 06:48:15 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)
39) Methylcyclohexane	9.34	83	165385	54.472	ug/l	99
40) Benzene	8.32	78	344081	54.627	ug/l	99
41) Methacrylonitrile	7.48	41	28635	50.009	ug/l	99
42) 1,2-Dichloroethane	8.40	62	97661	54.249	ug/l	100
43) Isopropyl Acetate	8.42	43	101334	52.635	ug/l	99
44) Trichloroethene	9.09	130	100192	53.580	ug/l	98
45) 1,2-Dichloropropane	9.37	63	82685	55.273	ug/l	99
46) Dibromomethane	9.46	93	47126	53.867	ug/l	99
47) Bromodichloromethane	9.65	83	120581	54.847	ug/l	100
48) Methyl methacrylate	9.43	41	45661	51.842	ug/l	99
49) 1,4-Dioxane	9.45	88	15206	1064.006	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	254774	261.156	ug/l	100
52) Toluene	10.39	92	229115	54.164	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	119622	53.725	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	138442	54.443	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	68174	54.190	ug/l	97
56) Ethyl methacrylate	10.65	69	91828	52.925	ug/l	100
57) 1,3-Dichloropropane	10.93	76	114078	54.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	195070	253.829	ug/l	100
59) 2-Hexanone	10.97	43	178728	256.824	ug/l	100
60) Dibromochloromethane	11.13	129	87159	54.742	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68912	54.075	ug/l	99
64) Tetrachloroethene	10.86	164	81967	54.619	ug/l	98
65) Chlorobenzene	11.66	112	250421	54.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	90488	55.056	ug/l	100
67) Ethyl Benzene	11.73	91	436589	53.897	ug/l	100
68) m/p-Xylenes	11.84	106	345761	108.823	ug/l	100
69) o-Xylene	12.16	106	164280	54.573	ug/l	99
70) Styrene	12.18	104	281323	55.079	ug/l	99
71) Bromoform	12.35	173	50297	55.572	ug/l #	99
73) Isopropylbenzene	12.46	105	442341	53.020	ug/l	100
74) N-amyl acetate	12.27	43	98927	51.745	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	77599	51.137	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	100226	93.914	ug/l	27
77) Bromobenzene	12.75	156	101373	54.297	ug/l	99
78) n-propylbenzene	12.80	91	514880	52.956	ug/l	100
79) 2-Chlorotoluene	12.90	91	296555	52.596	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	378602	53.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	25740	50.337	ug/l	97
82) 4-Chlorotoluene	12.99	91	310274	53.016	ug/l	99
83) tert-Butylbenzene	13.21	119	324763	52.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	374513	53.217	ug/l	100
85) sec-Butylbenzene	13.38	105	456391	52.838	ug/l	100
86) p-Isopropyltoluene	13.50	119	414878	53.066	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	195309	53.320	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	197322	53.692	ug/l	99
89) n-Butylbenzene	13.83	91	395936	53.242	ug/l	99
90) Hexachloroethane	14.10	117	82072	54.235	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	178451	53.468	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14398	51.027	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
Data File : VW010456.D
Acq On : 20 May 2019 19:14
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: May 21 06:48:15 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

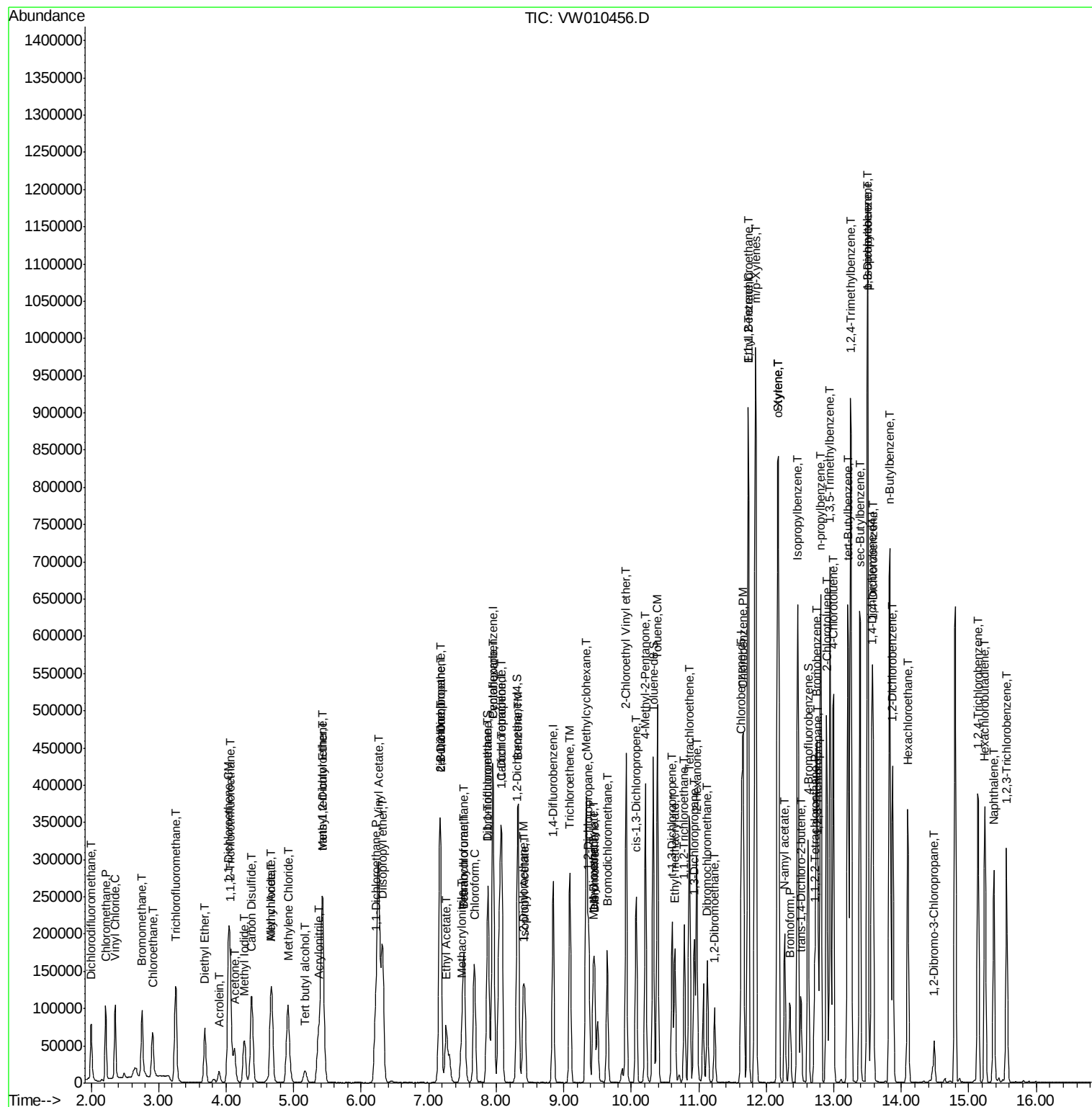
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122001	53.726	ug/l	98
94) Hexachlorobutadiene	15.24	225	66098	54.486	ug/l	99
95) Naphthalene	15.37	128	256363	53.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	105029	53.752	ug/l	98

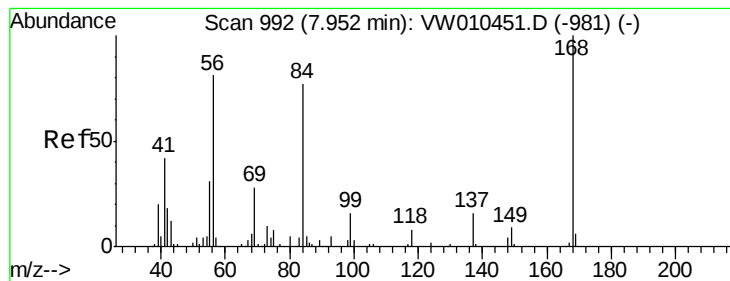
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
Data File : VW010456.D
Acq On : 20 May 2019 19:14
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: May 21 06:48:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

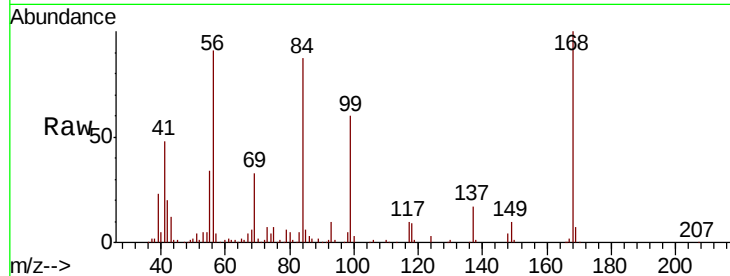
VSTDCCC050

Tot Ion:168 Resp: 138301

Ion Ratio Lower Upper

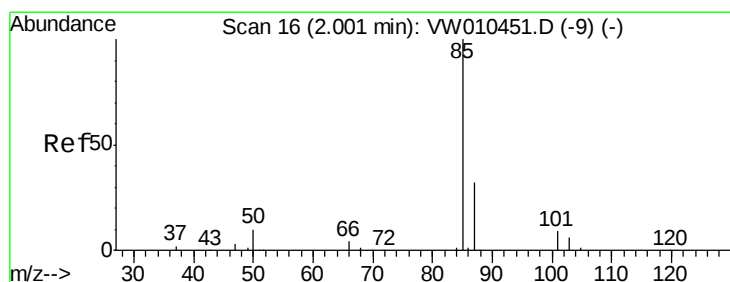
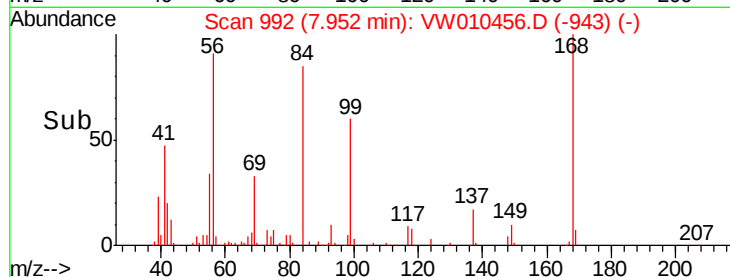
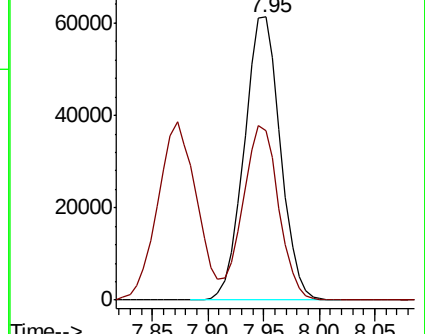
168 100

99 59.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.955 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010456.D

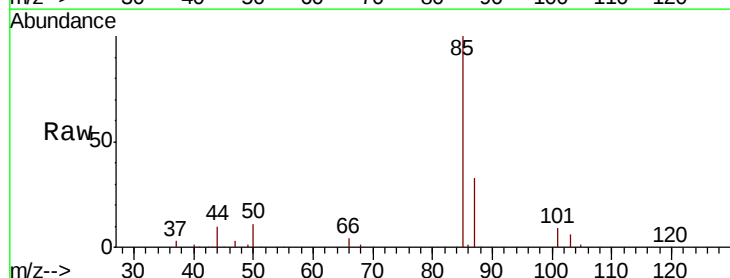
Acq: 20 May 2019 19:14

Tgt Ion: 85 Resp: 68902

Ion Ratio Lower Upper

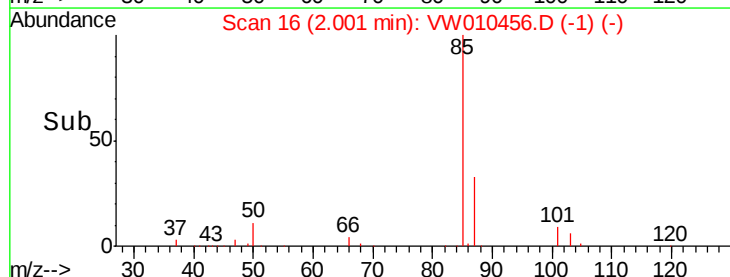
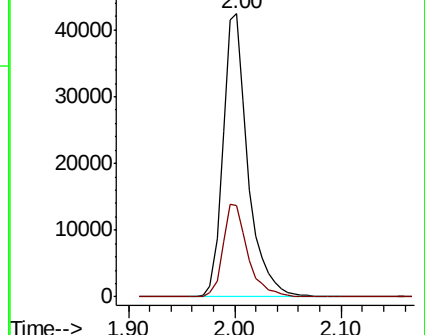
85 100

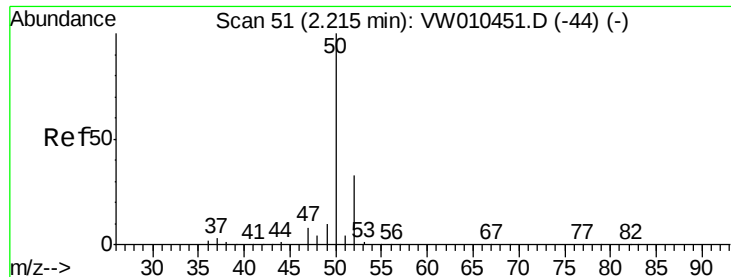
87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.411 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

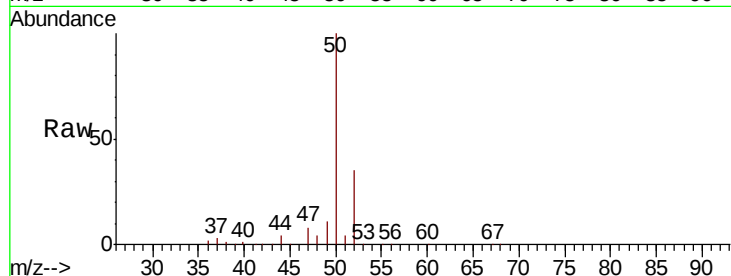
VSTDCCC050

Tot Ion: 50 Resp: 80517

Ion Ratio Lower Upper

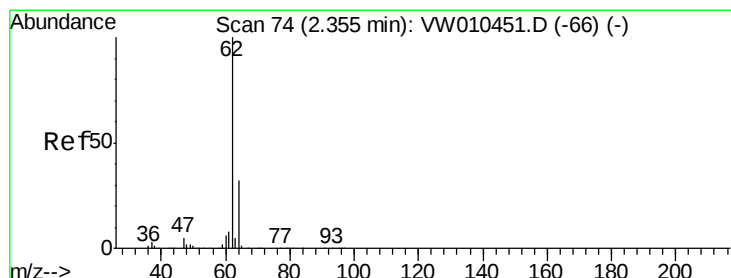
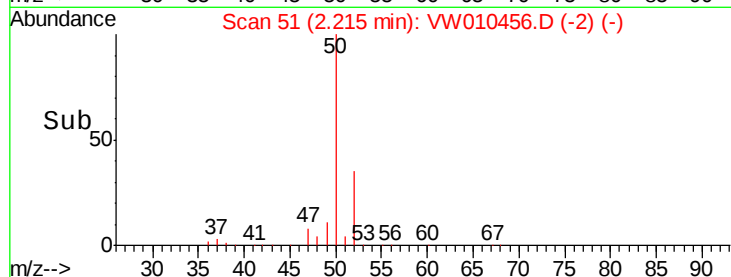
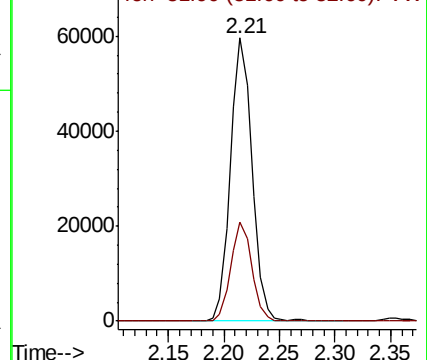
50 100

52 35.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 54.426 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010456.D

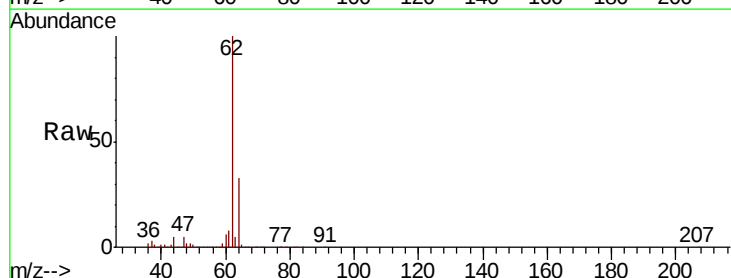
Acq: 20 May 2019 19:14

Tgt Ion: 62 Resp: 91607

Ion Ratio Lower Upper

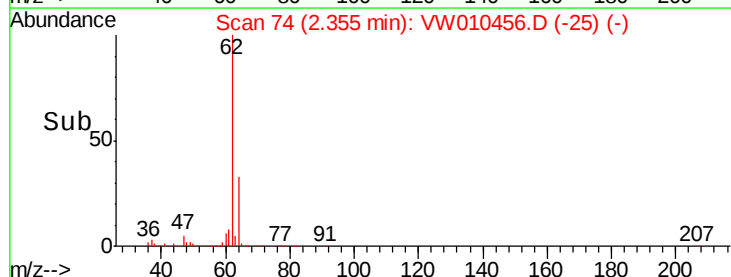
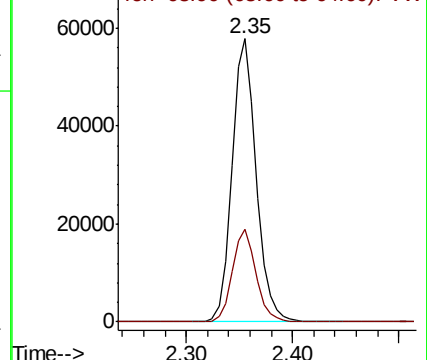
62 100

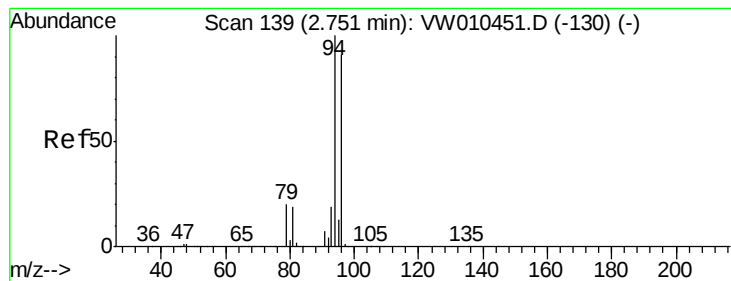
64 32.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 56.117 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

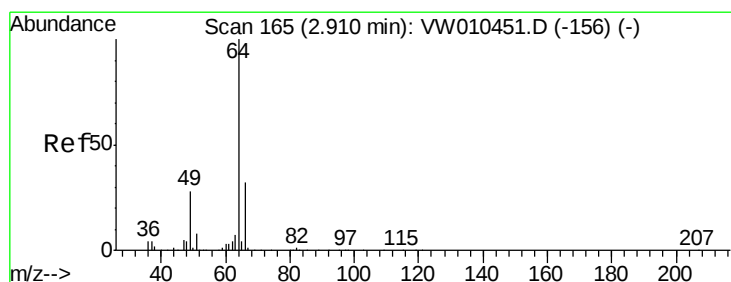
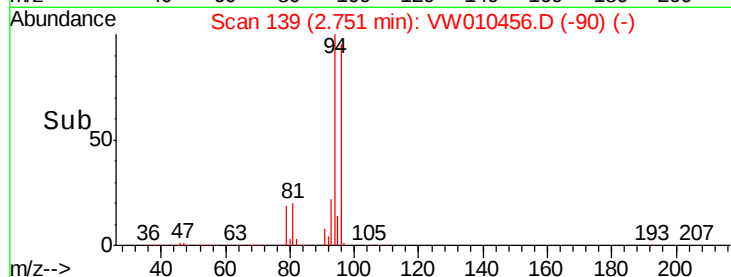
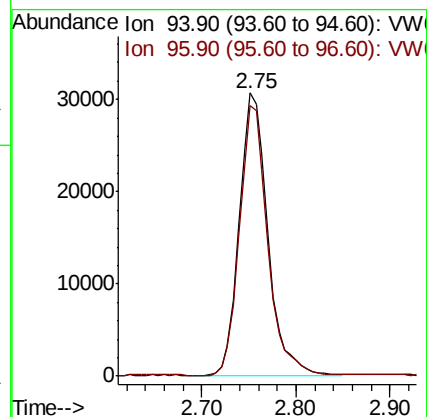
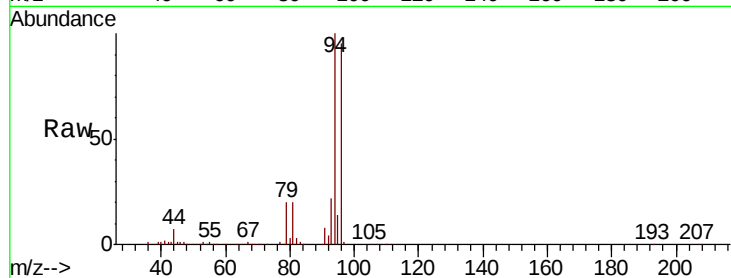
VSTDCCC050

Tot Ion: 94 Resp: 64979

Ion Ratio Lower Upper

94 100

96 95.1 72.9 109.3



#6

Chloroethane

Concen: 56.227 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010456.D

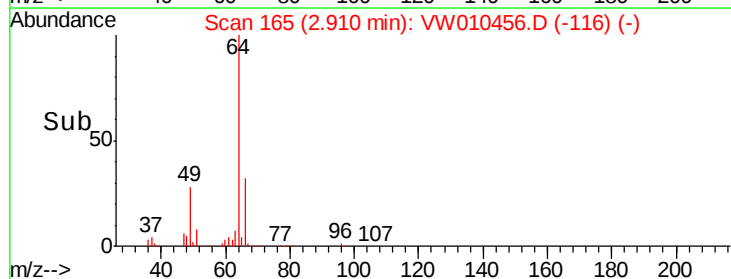
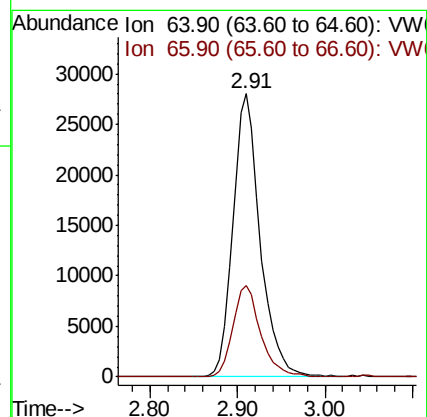
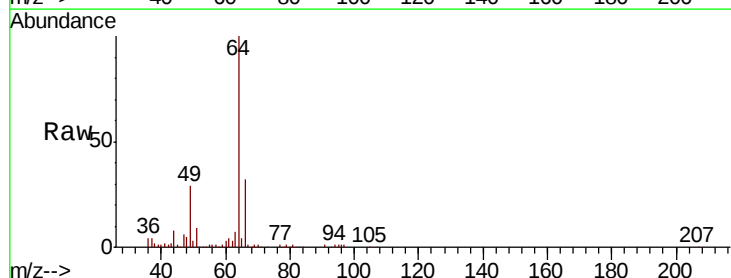
Acq: 20 May 2019 19:14

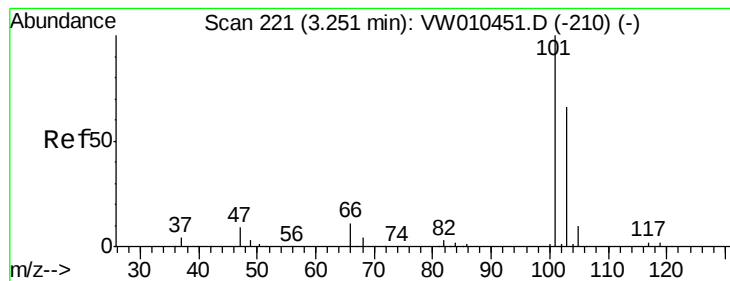
Tgt Ion: 64 Resp: 60752

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



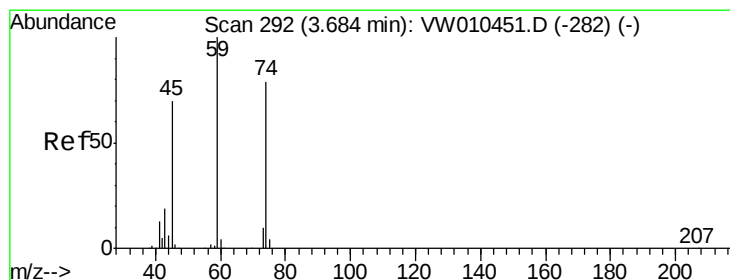
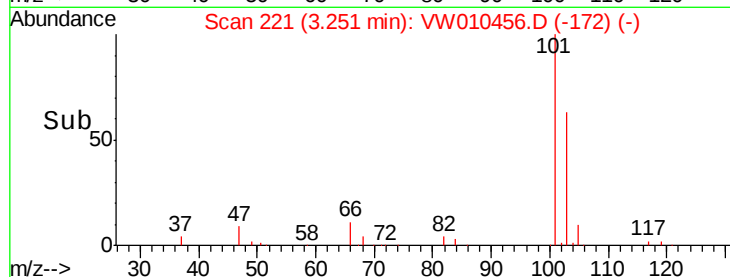
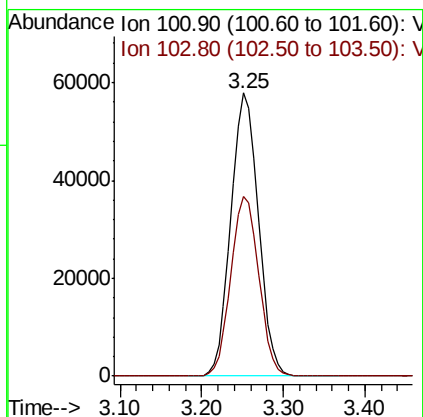
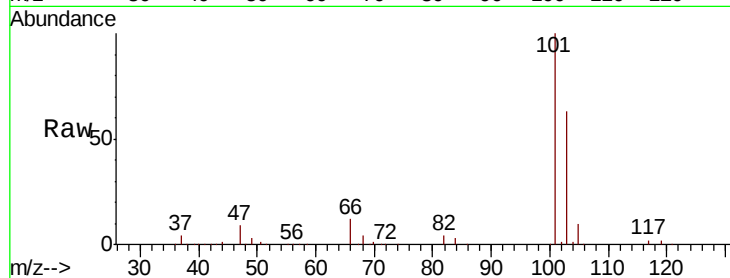


#7

Trichlorofluoromethane
 Concen: 54.351 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

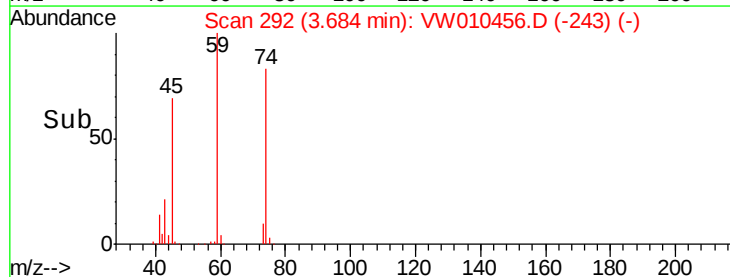
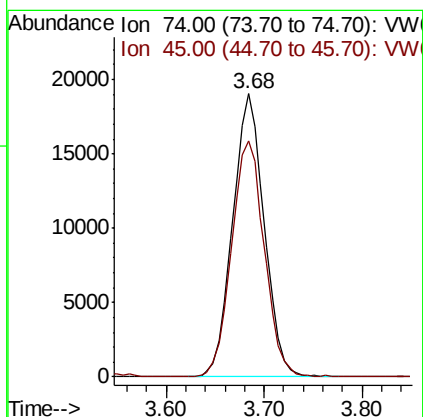
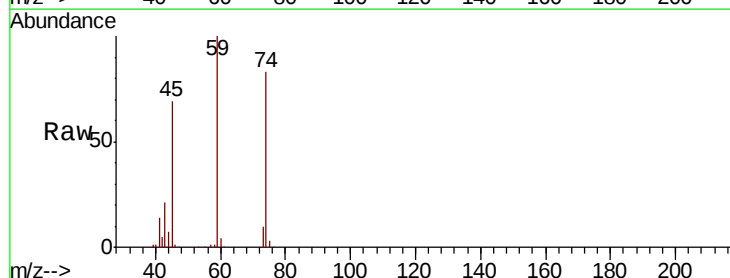
Tot Ion:101 Resp: 135059
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.0 79.4

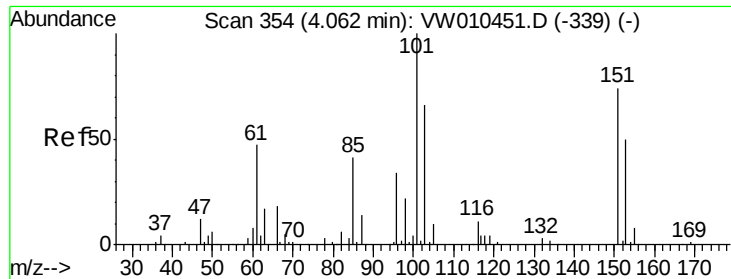


#8

Diethyl Ether
 Concen: 53.870 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 74 Resp: 42434
 Ion Ratio Lower Upper
 74 100
 45 87.0 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.675 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

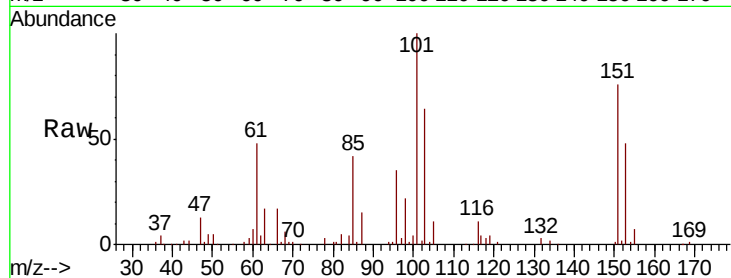
Tot Ion:101 Resp: 82140

Ion Ratio Lower Upper

101 100

85 42.7 34.3 51.5

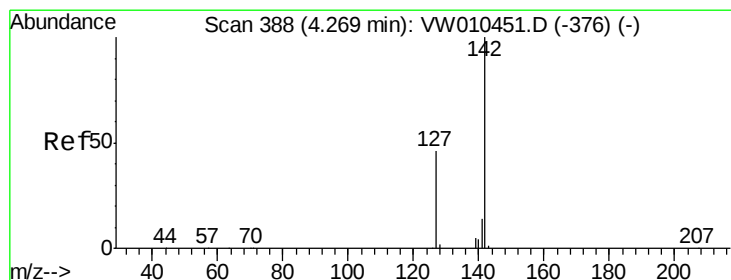
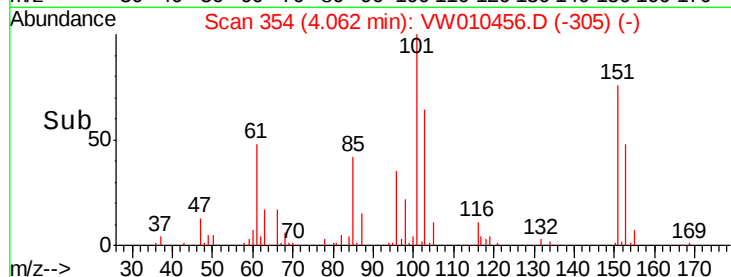
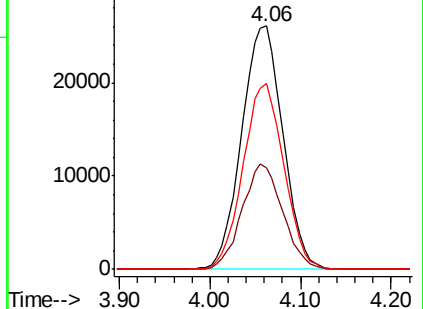
151 75.4 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.471 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

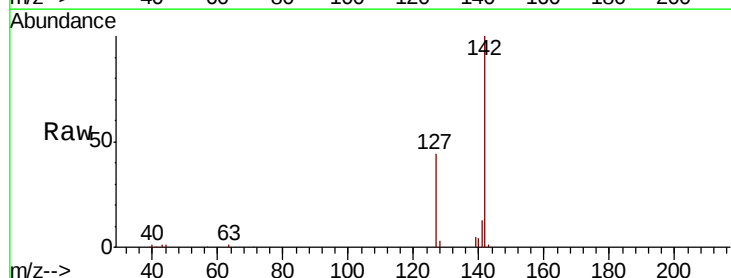
Tgt Ion:142 Resp: 95279

Ion Ratio Lower Upper

142 100

127 44.1 36.1 54.1

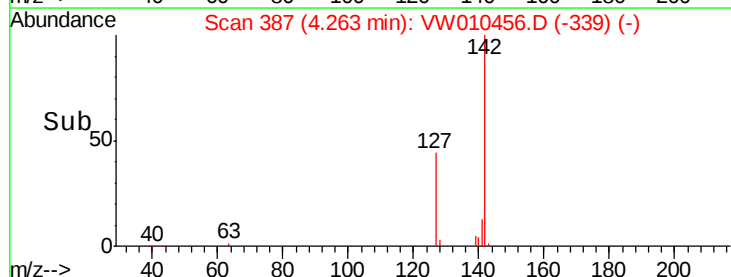
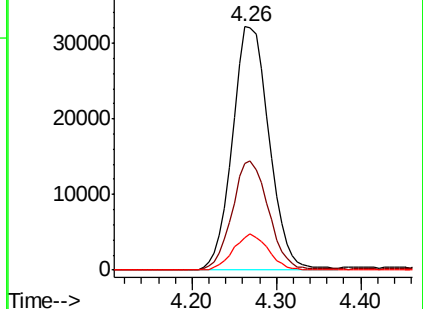
141 14.0 11.3 16.9

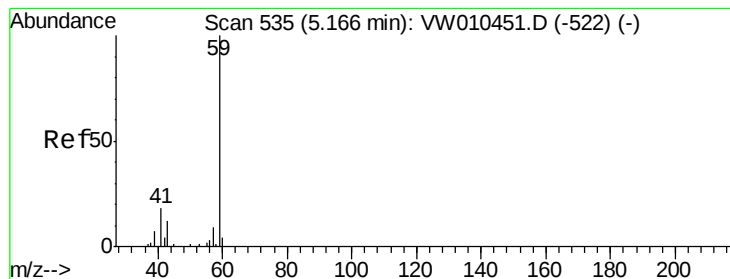


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



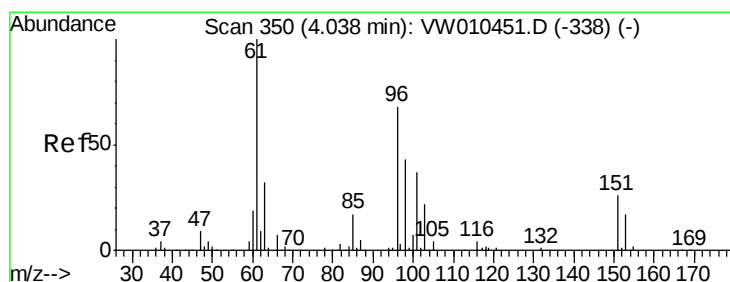
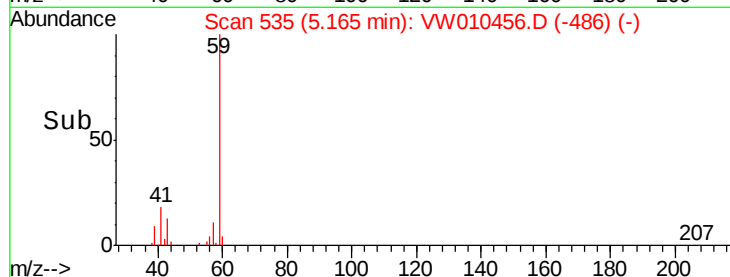
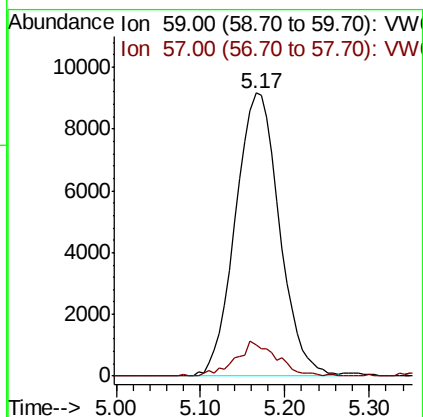
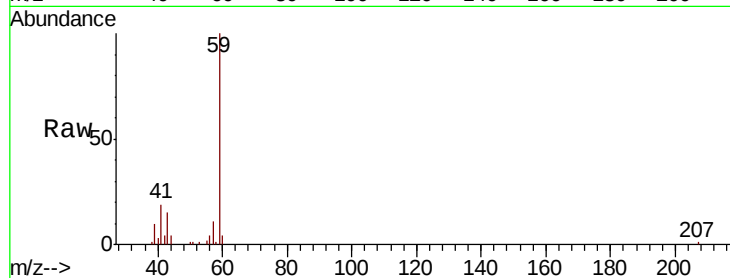


#11

Tert butyl alcohol
Concen: 253.554 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

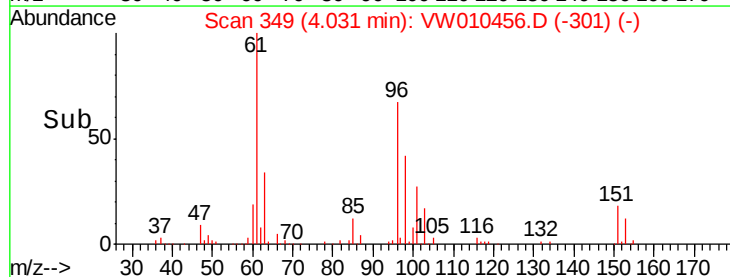
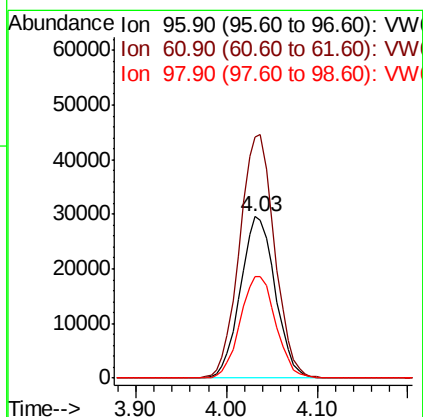
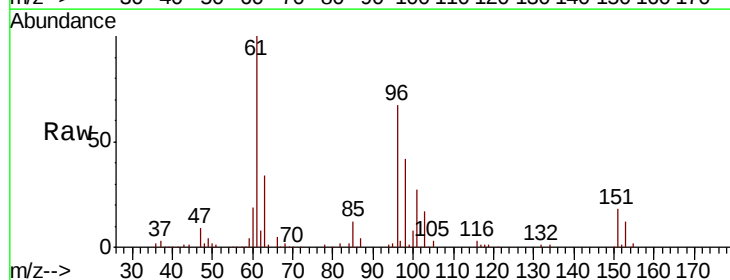
Tot Ion: 59 Resp: 32557
Ion Ratio Lower Upper
59 100
57 11.5 8.8 13.2

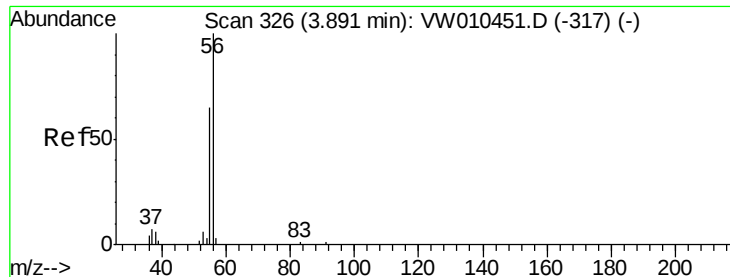


#12

1,1-Dichloroethene
Concen: 53.827 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 96 Resp: 78632
Ion Ratio Lower Upper
96 100
61 149.2 118.3 177.5
98 63.0 51.0 76.6





#13

Acrolein

Concen: 236.722 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

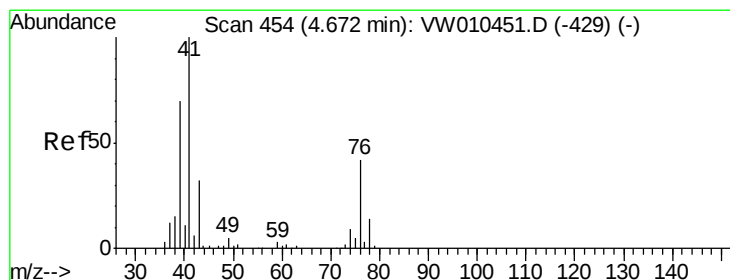
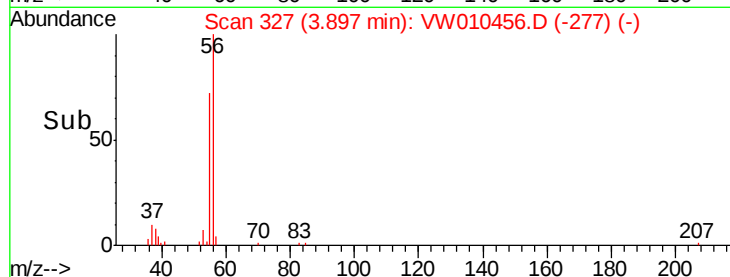
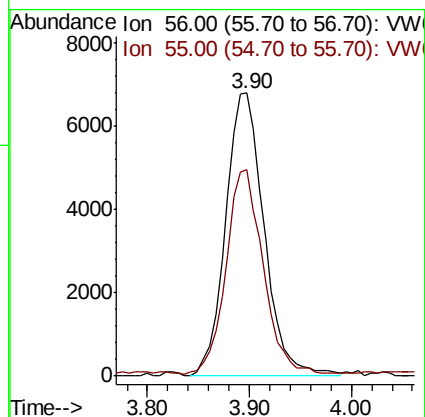
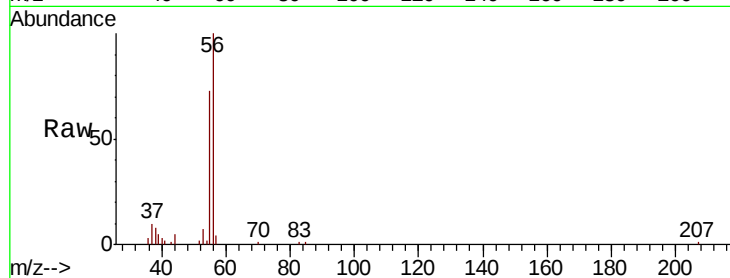
VSTDCCC050

Tot Ion: 56 Resp: 17800

Ion Ratio Lower Upper

56 100

55 69.2 57.9 86.9



#14

Allyl chloride

Concen: 55.082 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

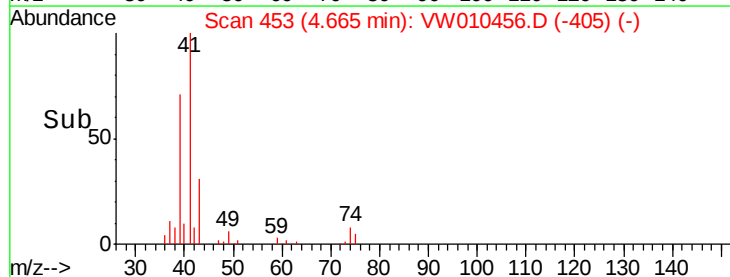
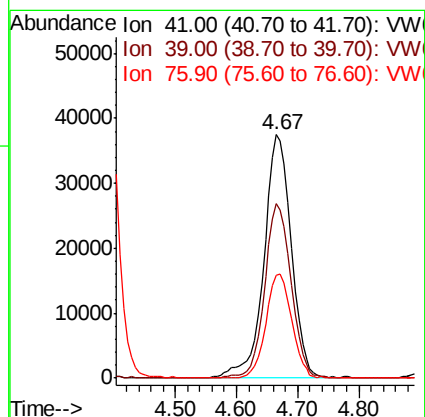
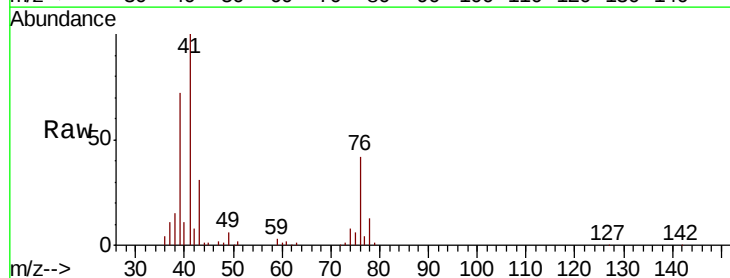
Tgt Ion: 41 Resp: 116473

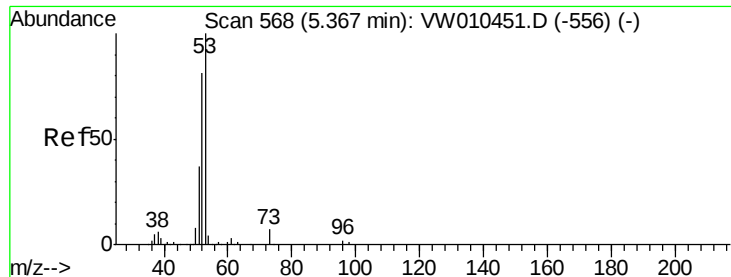
Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.4

76 40.4 32.8 49.2





#15

Acrylonitrile

Concen: 267.266 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

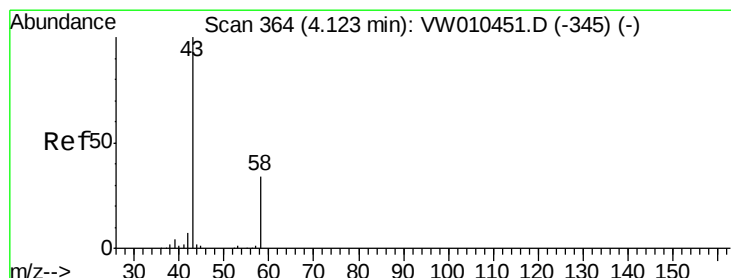
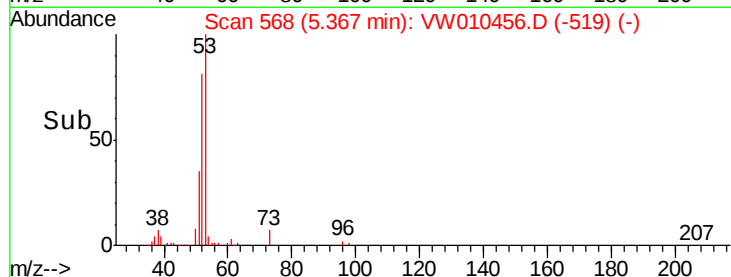
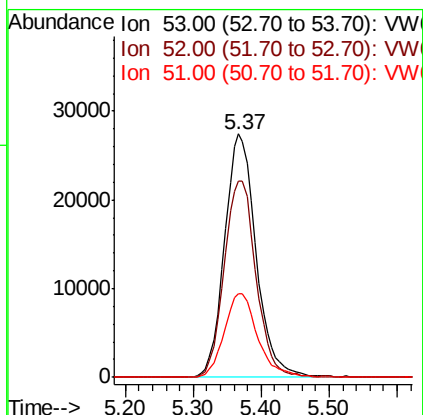
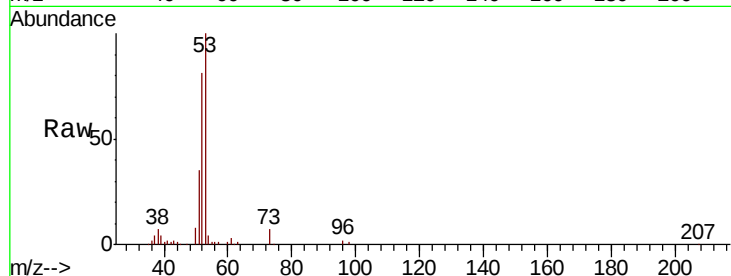
Tot Ion: 53 Resp: 88169

Ion Ratio Lower Upper

53 100

52 81.3 65.6 98.4

51 36.5 29.5 44.3



#16

Acetone

Concen: 259.111 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010456.D

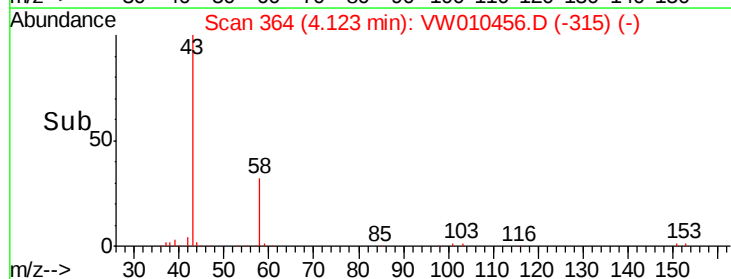
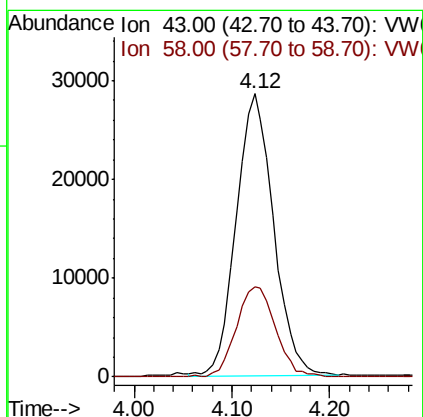
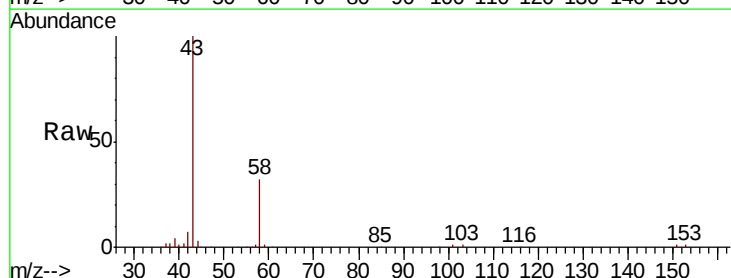
Acq: 20 May 2019 19:14

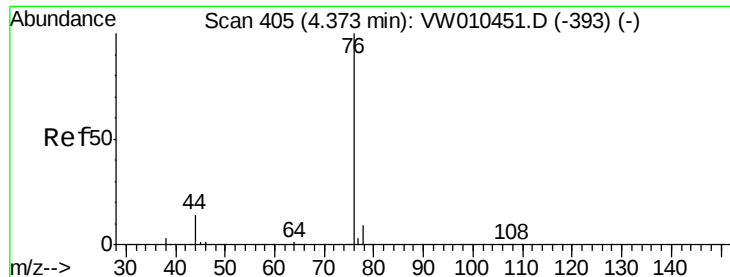
Tgt Ion: 43 Resp: 75501

Ion Ratio Lower Upper

43 100

58 31.7 27.0 40.4

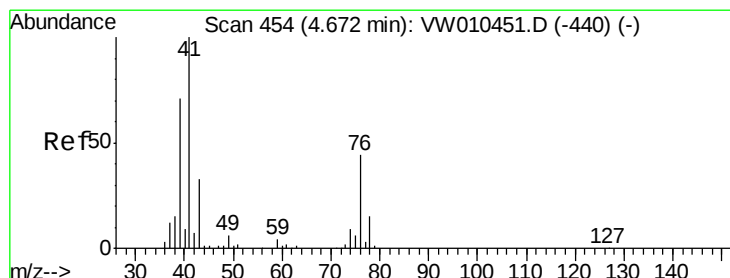
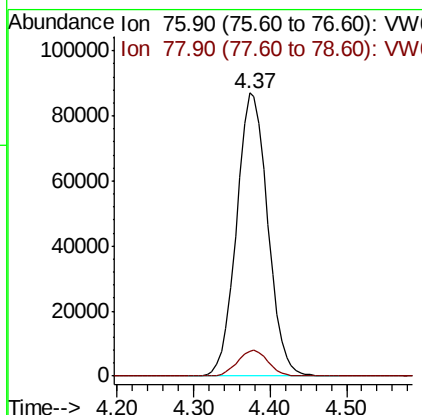
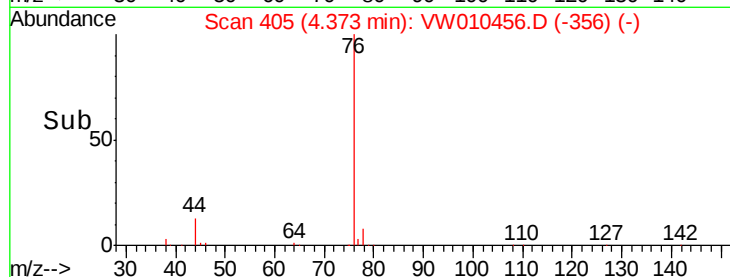
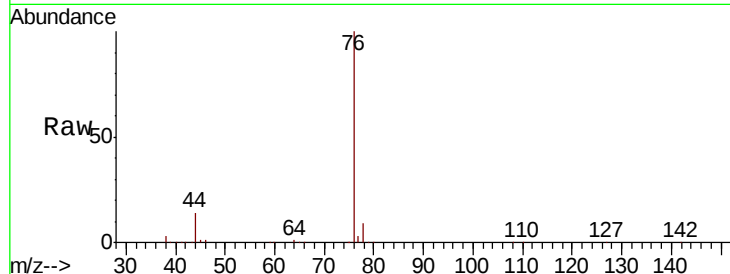




#17
Carbon Disulfide
Concen: 56.371 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

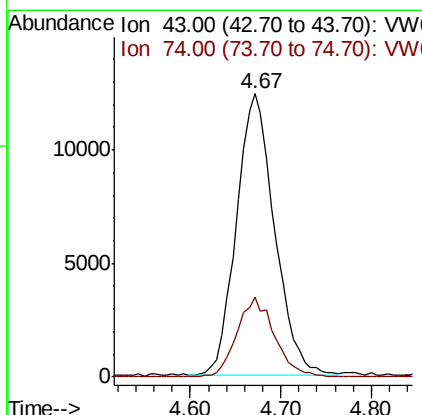
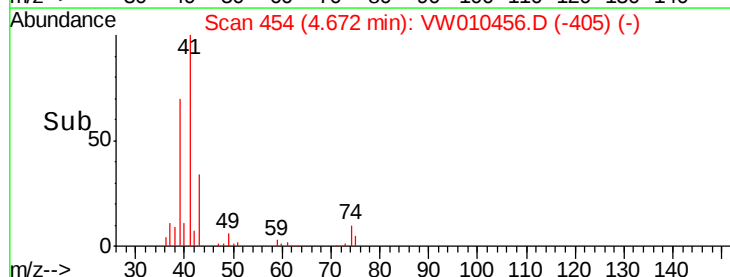
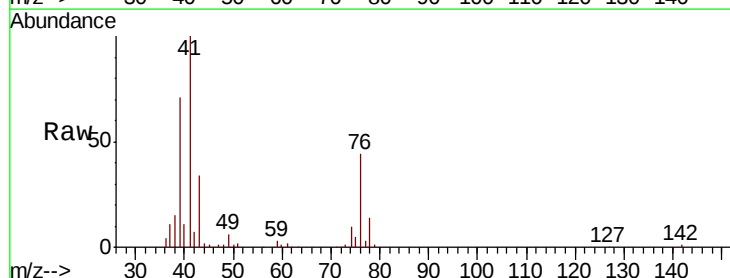
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

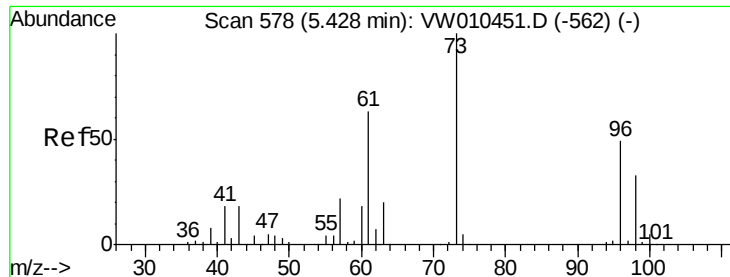
Tot Ion: 76 Resp: 245622
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 50.846 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 43 Resp: 36235
Ion Ratio Lower Upper
43 100
74 27.5 21.6 32.4

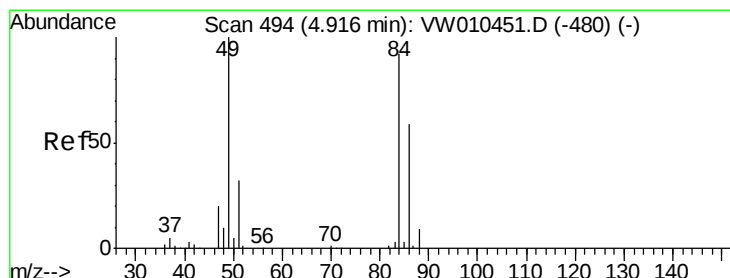
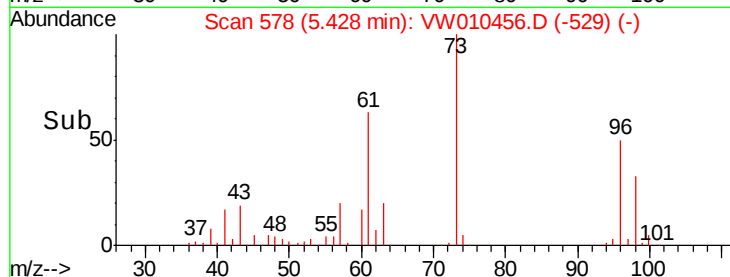
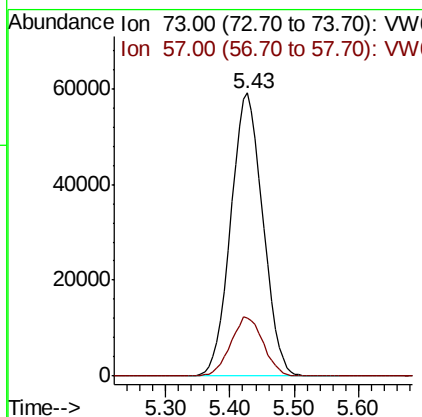
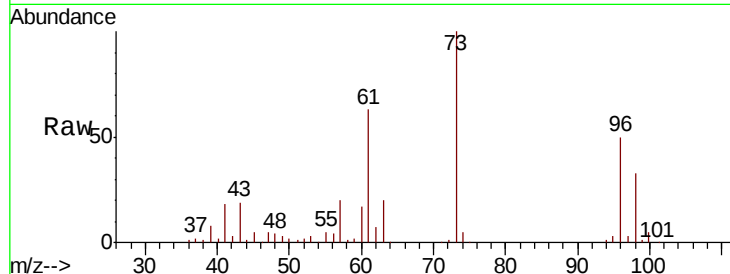




#19
Methyl tert-butyl Ether
Concen: 54.969 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

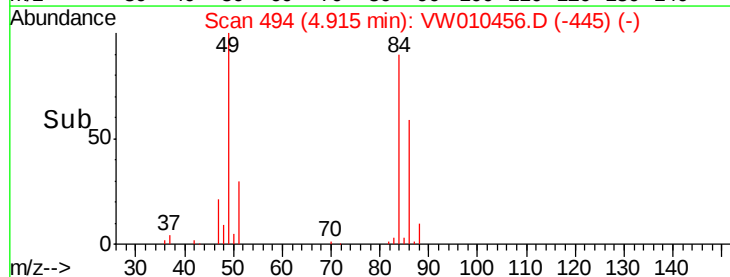
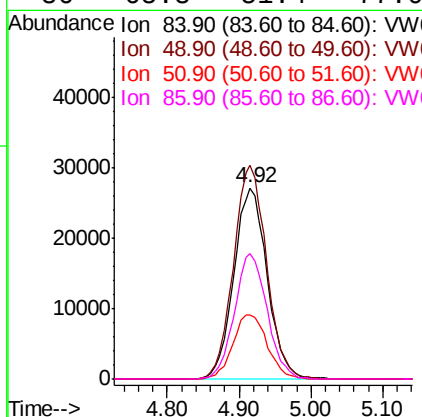
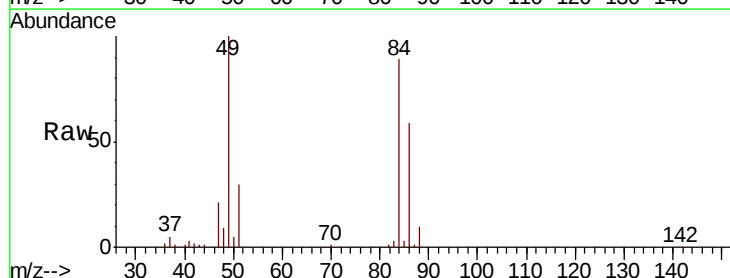
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

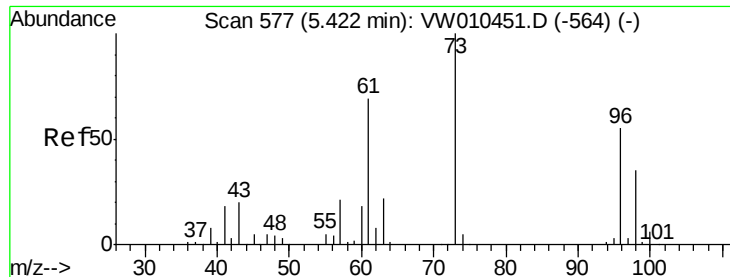
Tot Ion: 73 Resp: 204709
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0



#20
Methylene Chloride
Concen: 51.042 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 84 Resp: 87086
Ion Ratio Lower Upper
84 100
49 112.0 87.2 130.8
51 33.5 27.7 41.5
86 65.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 54.803 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

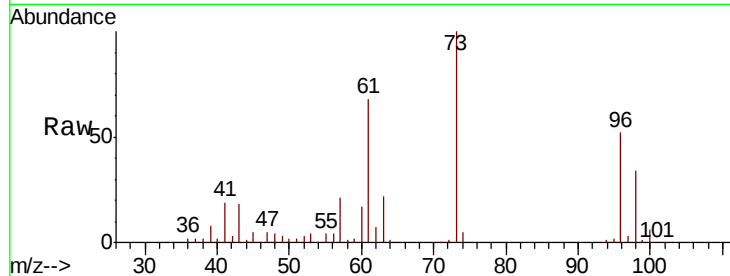
Tot Ion: 96 Resp: 91828

Ion Ratio Lower Upper

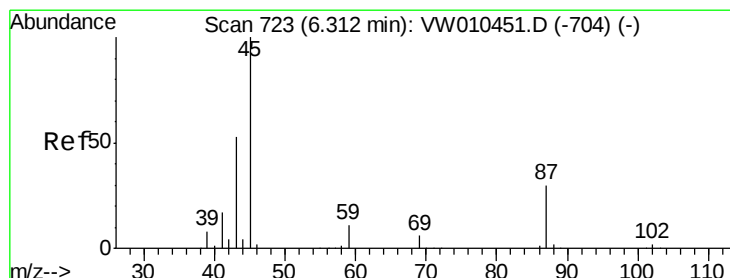
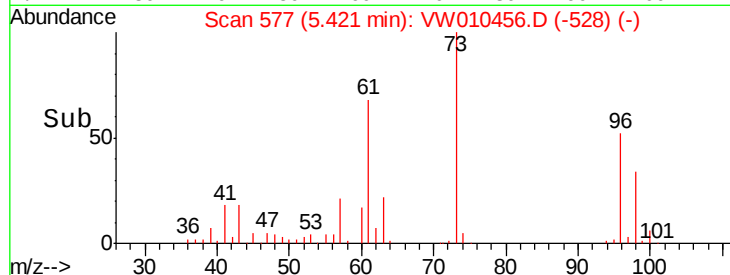
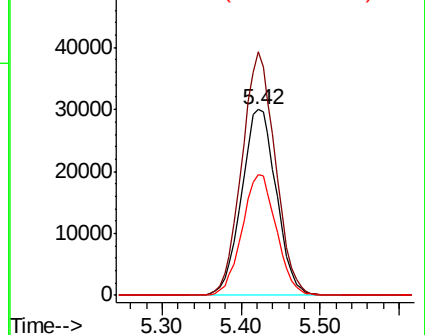
96 100

61 131.0 101.4 152.0

98 65.2 50.6 76.0



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



#22

Diisopropyl ether

Concen: 54.154 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion: 45 Resp: 234802

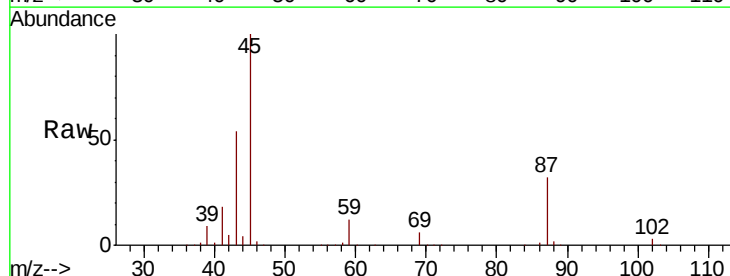
Ion Ratio Lower Upper

45 100

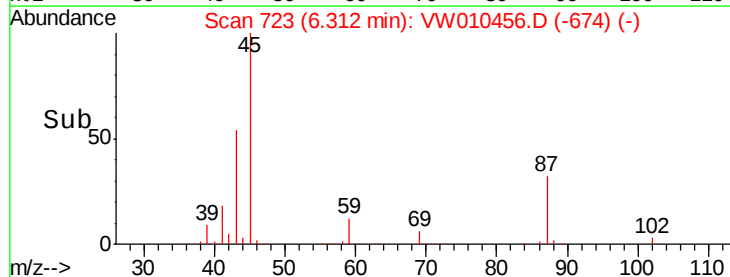
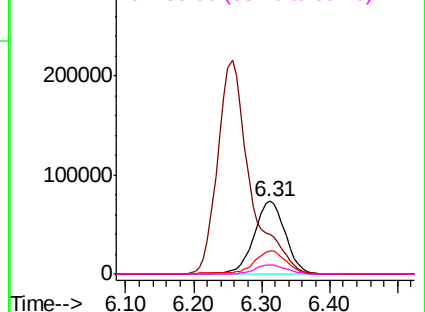
43 54.0 42.9 64.3

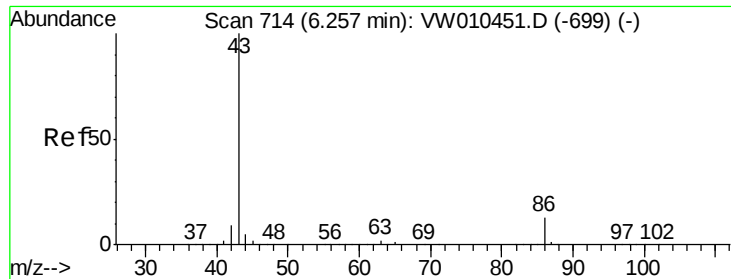
87 32.3 24.6 36.8

59 12.3 9.4 14.0



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





#23

Vinyl Acetate

Concen: 275.820 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

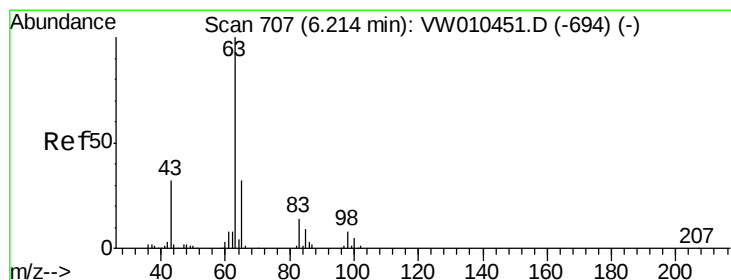
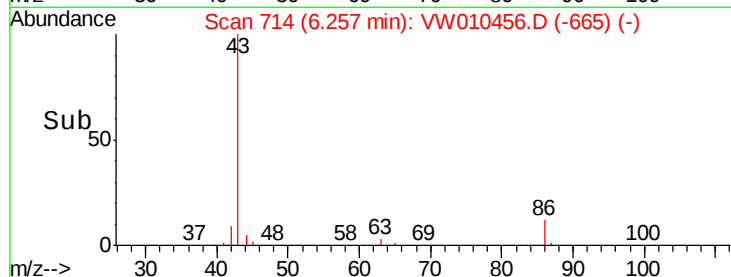
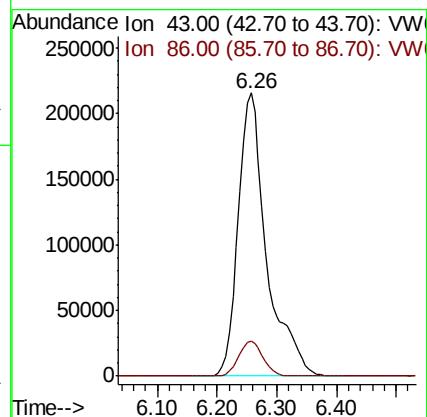
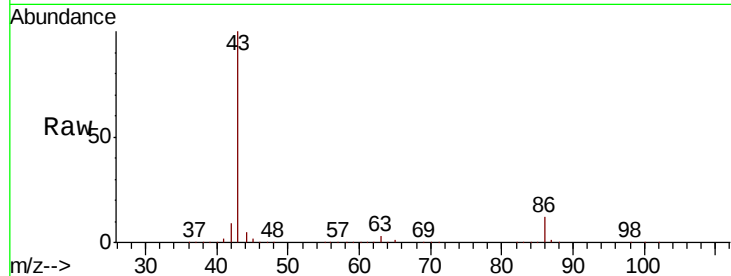
VSTDCCC050

Tot Ion: 43 Resp: 714360

Ion Ratio Lower Upper

43 100

86 12.2 10.3 15.5



#24

1,1-Dichloroethane

Concen: 55.868 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

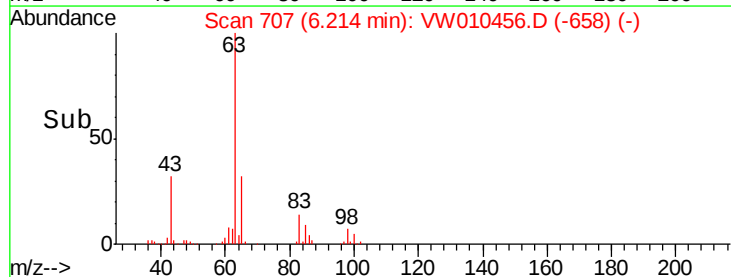
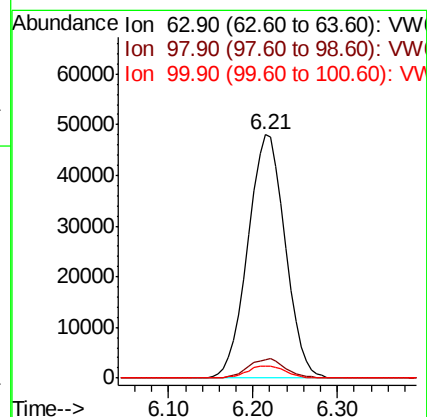
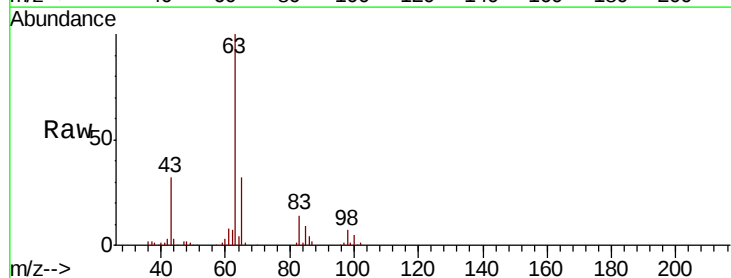
Tgt Ion: 63 Resp: 144554

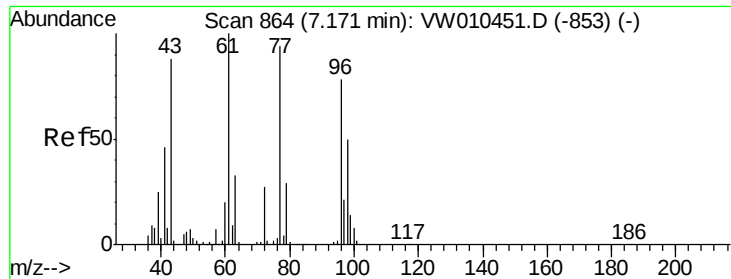
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 267.401 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

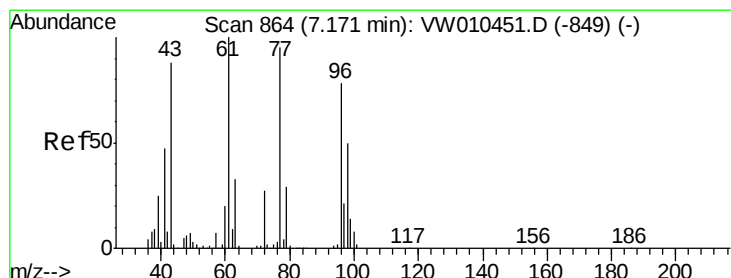
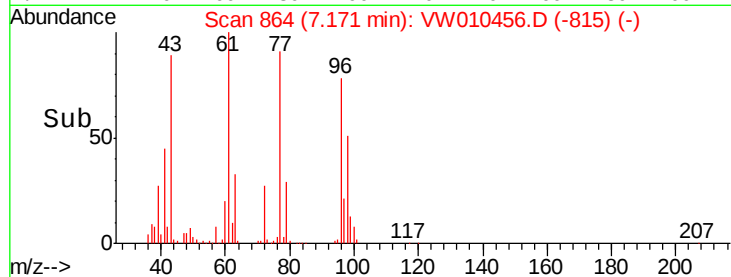
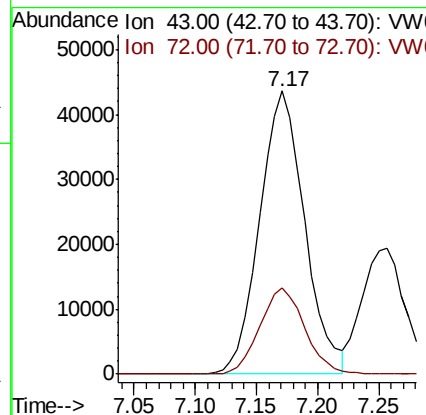
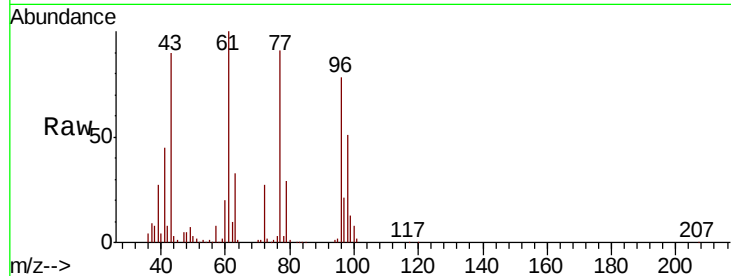
VSTDCCC050

Tot Ion: 43 Resp: 111506

Ion Ratio Lower Upper

43 100

72 30.6 24.1 36.1



#26

2,2-Dichloropropane

Concen: 53.515 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010456.D

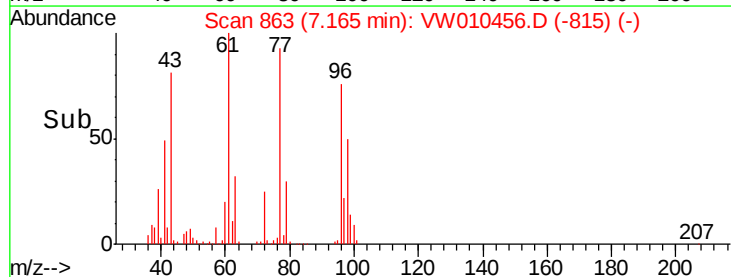
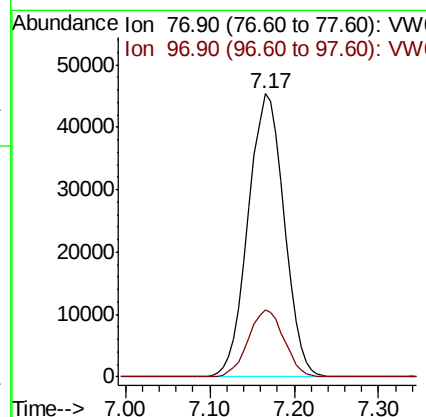
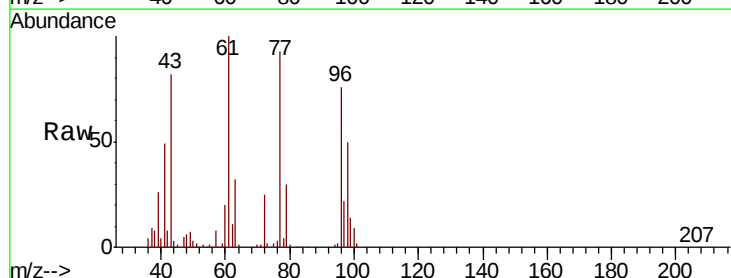
Acq: 20 May 2019 19:14

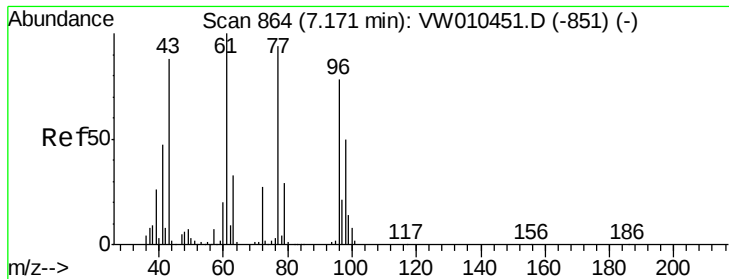
Tgt Ion: 77 Resp: 131895

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



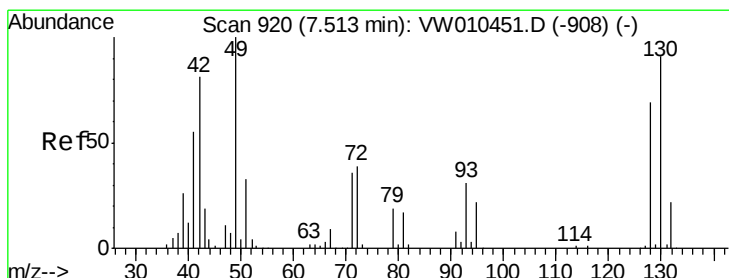
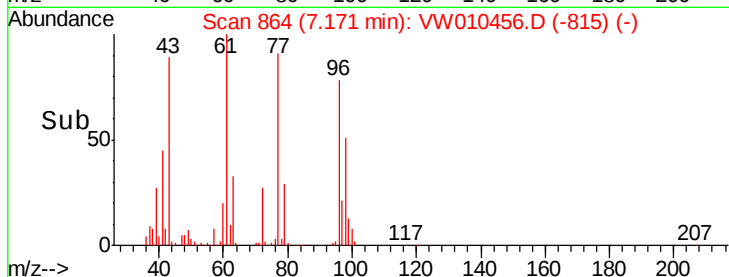
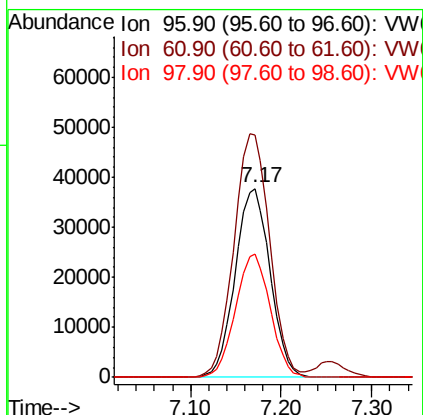
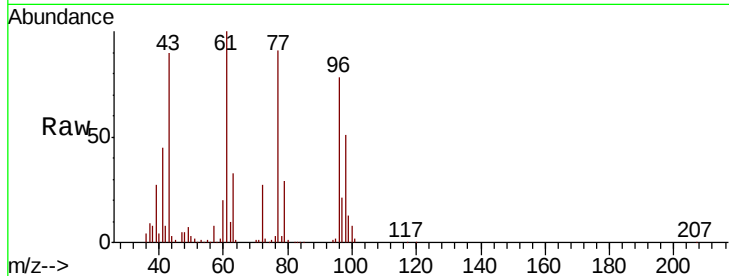


#27

cis-1,2-Dichloroethene
 Concen: 55.375 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

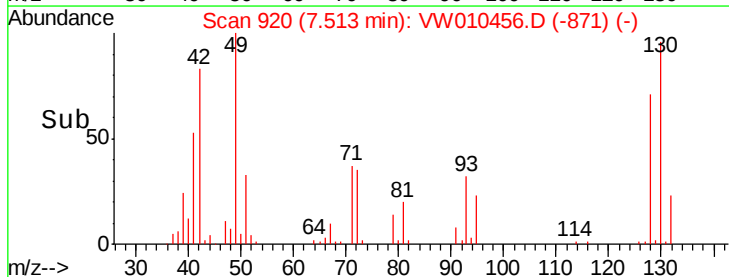
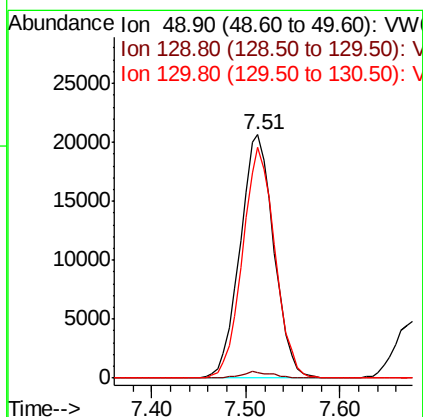
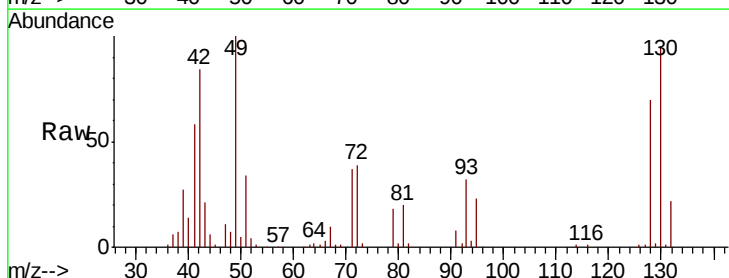
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	265.4
98	64.8	0.0	129.4

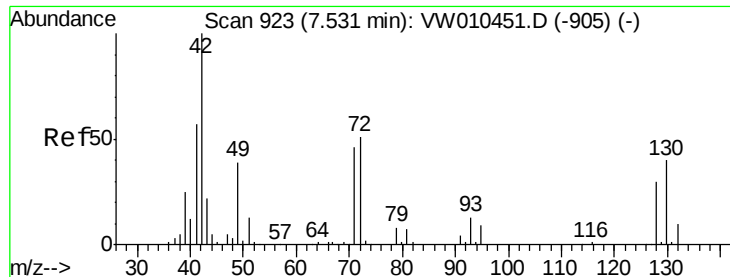


#28

Bromochloromethane
 Concen: 56.053 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.7	71.2	106.8

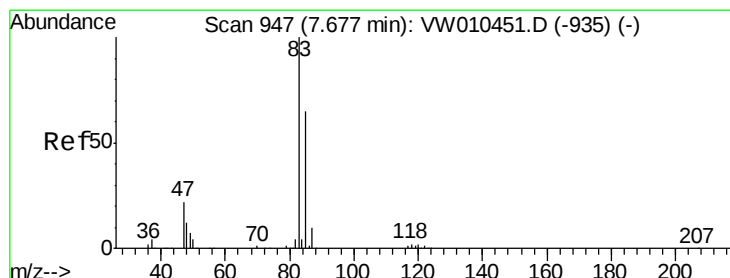
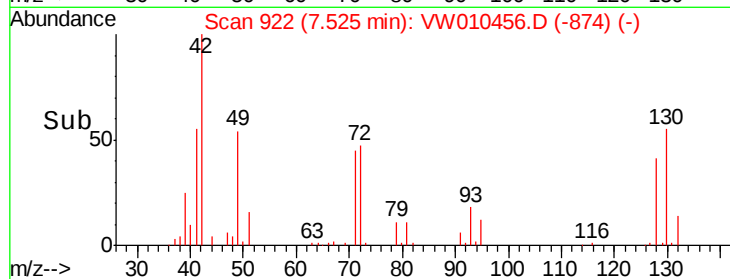
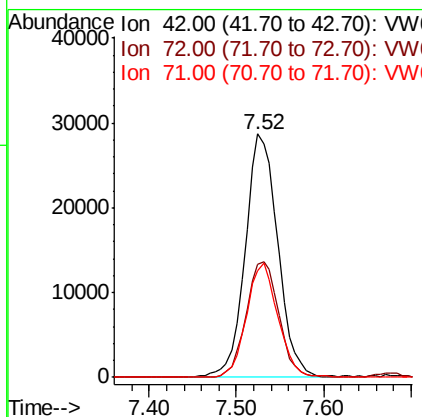
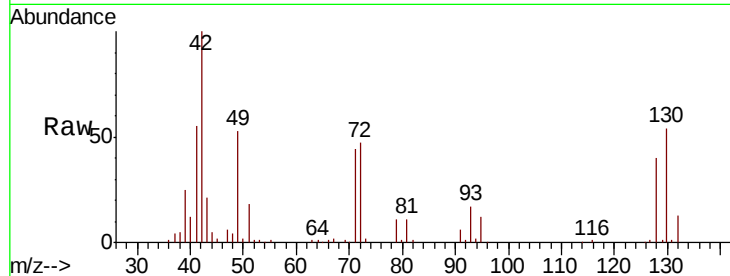




#29
Tetrahydrofuran
Concen: 261.357 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

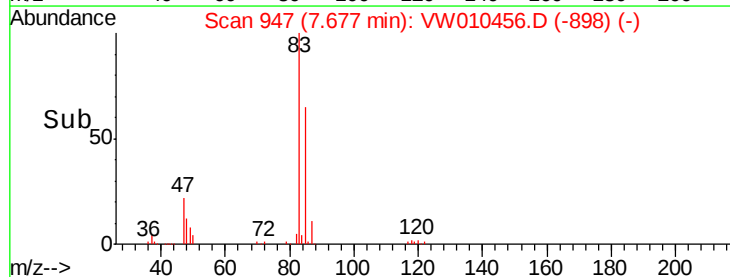
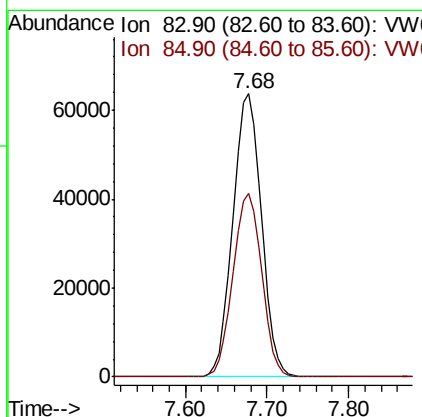
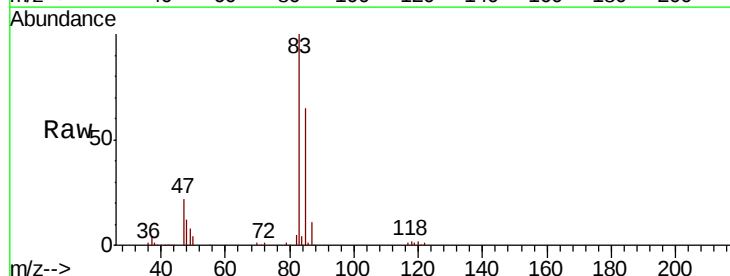
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

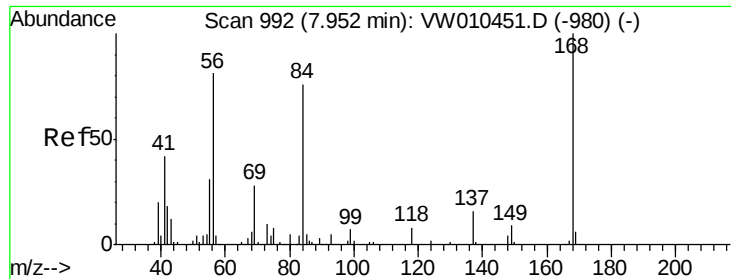
Tot Ion: 42 Resp: 73748
Ion Ratio Lower Upper
42 100
72 48.0 38.5 57.7
71 45.5 36.5 54.7



#30
Chloroform
Concen: 55.249 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 83 Resp: 154193
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4

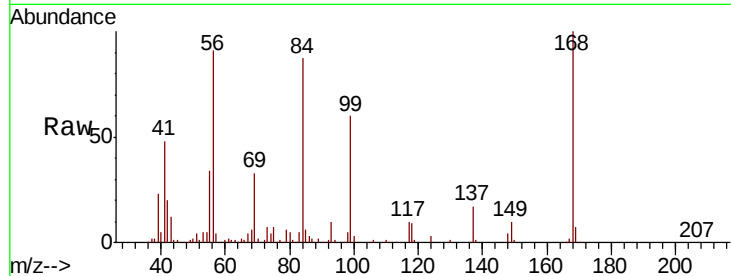




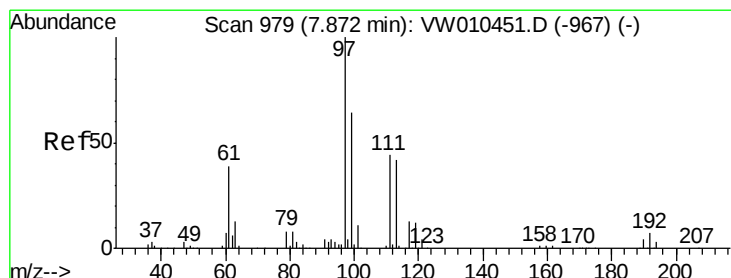
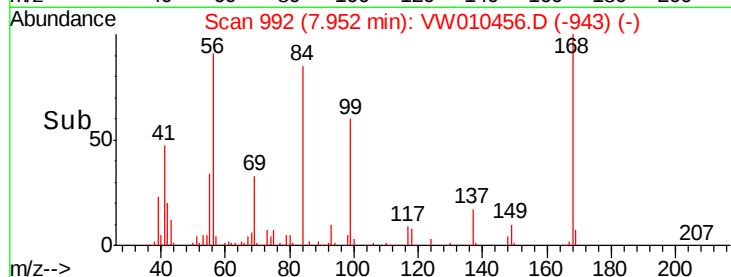
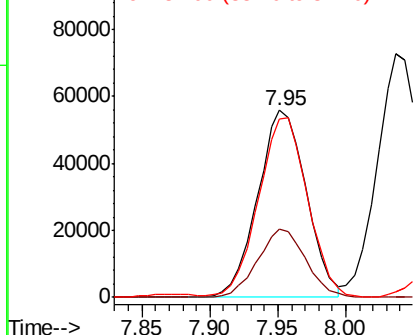
#31
Cyclohexane
Concen: 51.276 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 138974
Ion Ratio Lower Upper
56 100
69 36.5 28.2 42.2
84 93.7 75.8 113.8

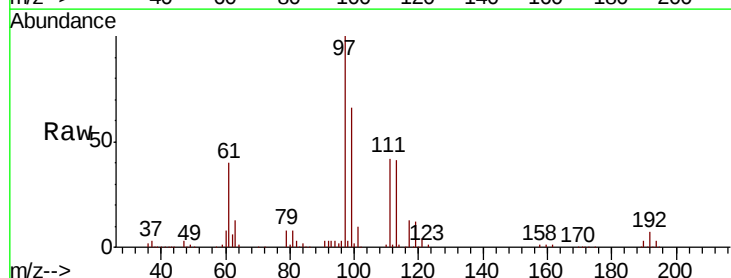


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

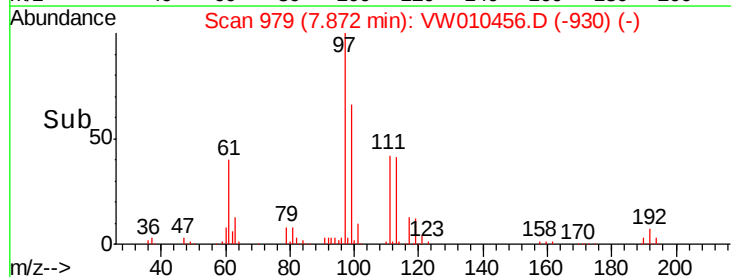
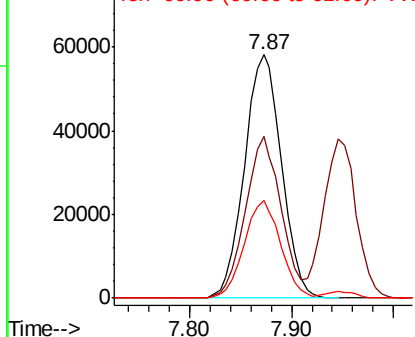


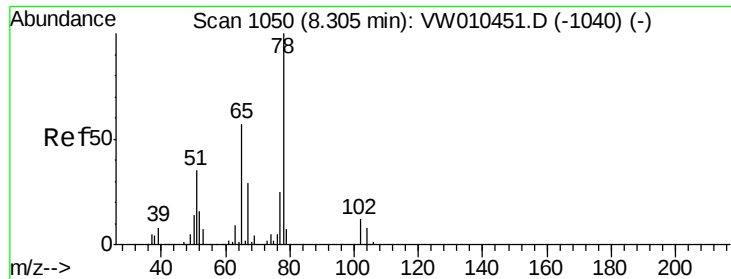
#32
1,1,1-Trichloroethane
Concen: 54.970 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 97 Resp: 146631
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 39.5 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

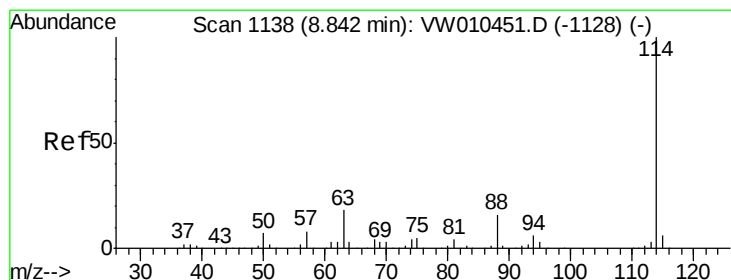
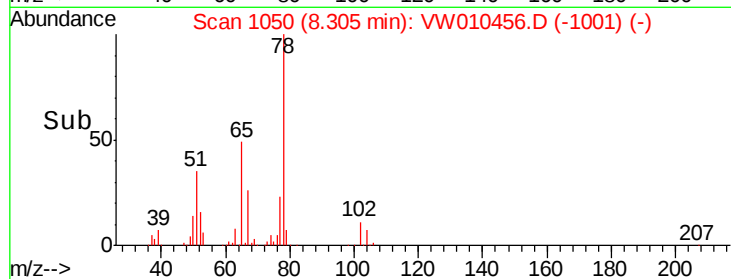
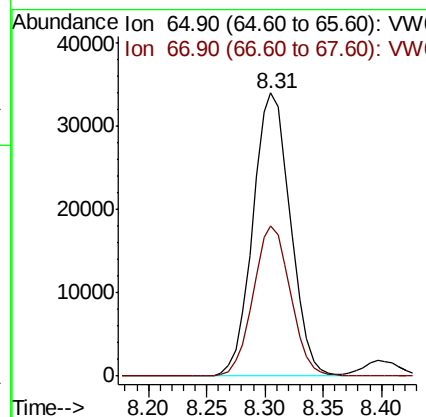
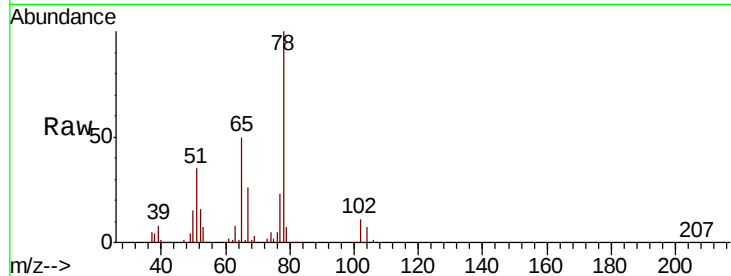




#33
 1,2-Dichloroethane-d4
 Concen: 53.190 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

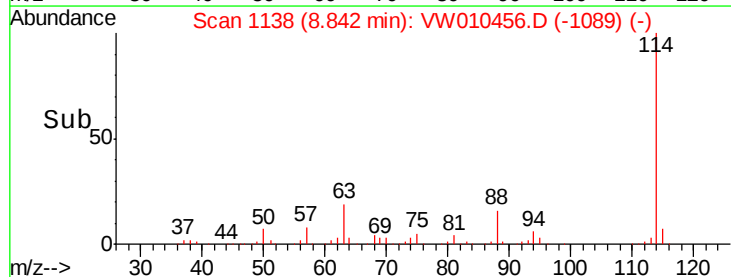
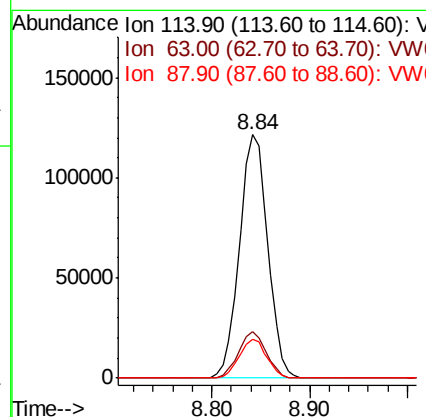
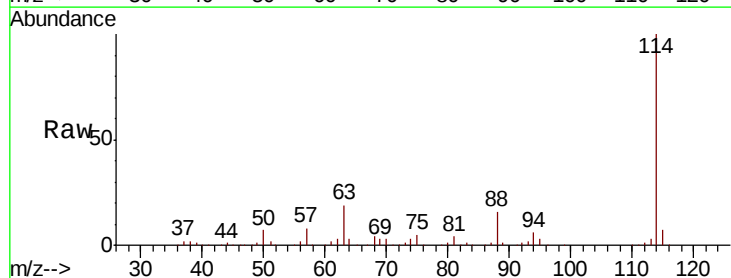
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

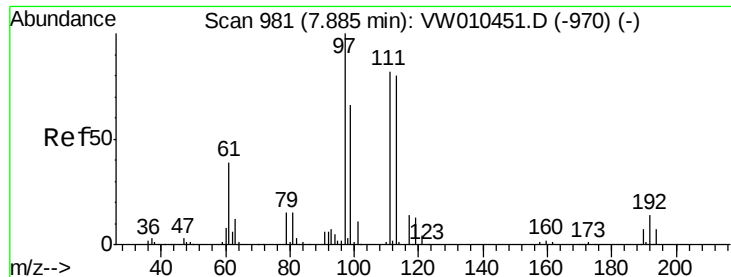
Tot Ion: 65 Resp: 75929
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 114 Resp: 243270
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.437 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

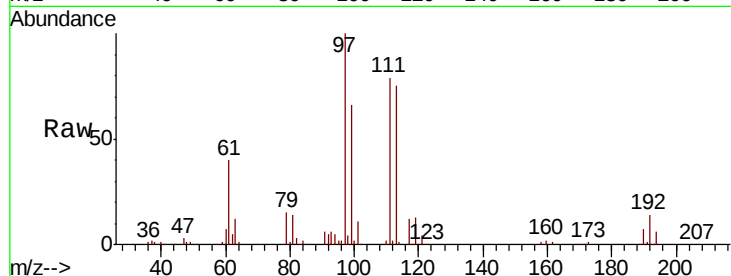
Tot Ion:113 Resp: 77403

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

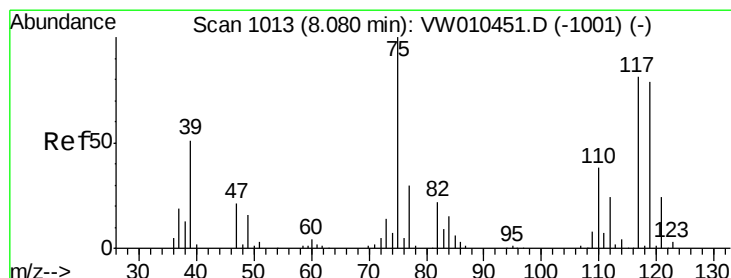
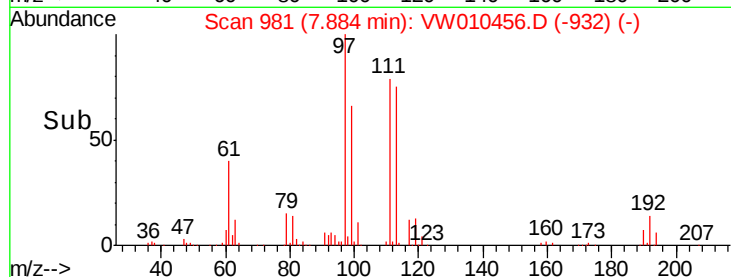
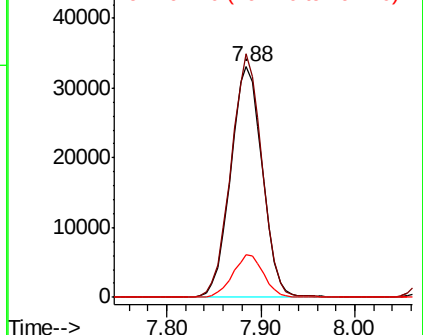
192 17.9 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.737 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

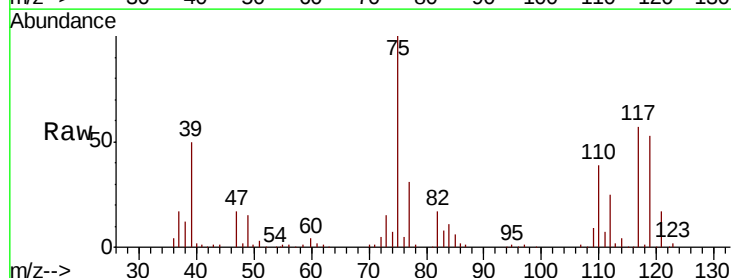
Tgt Ion: 75 Resp: 121778

Ion Ratio Lower Upper

75 100

110 38.5 19.2 57.6

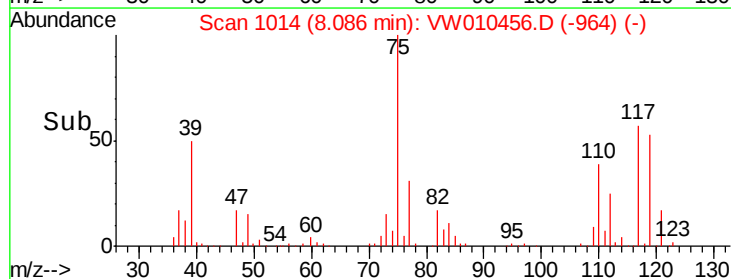
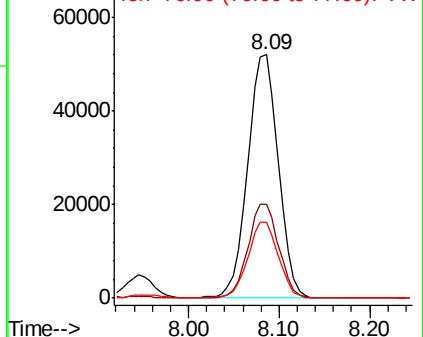
77 31.1 25.2 37.8

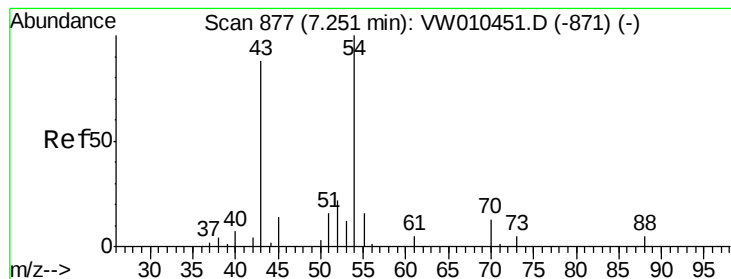


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 51.205 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

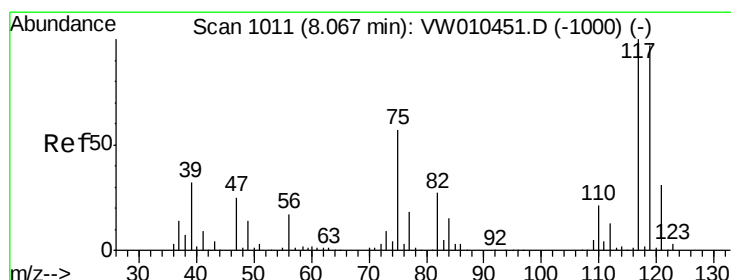
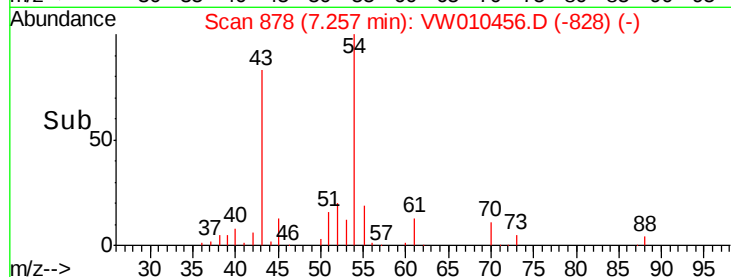
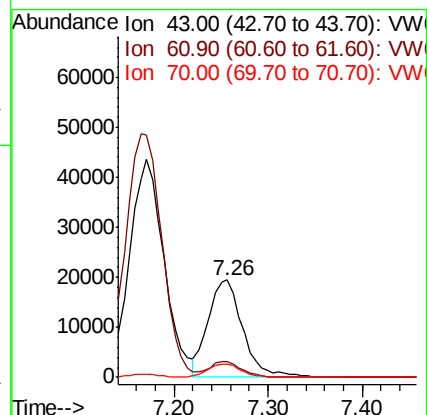
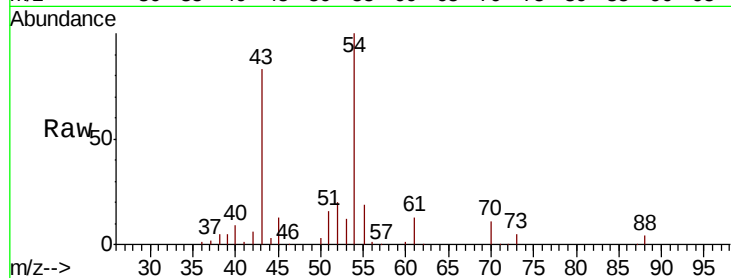
Tot Ion: 43 Resp: 49346

Ion Ratio Lower Upper

43 100

61 14.9 11.2 16.8

70 13.6 9.9 14.9



#38

Carbon Tetrachloride

Concen: 54.214 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

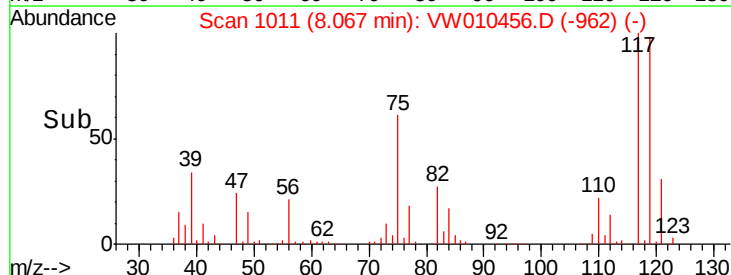
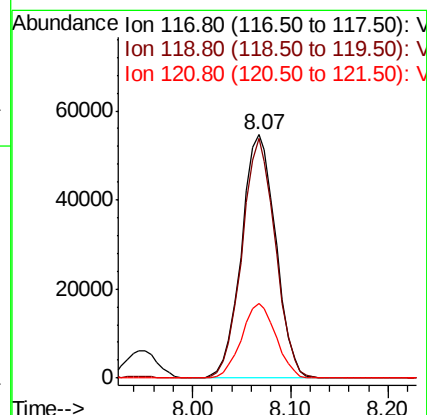
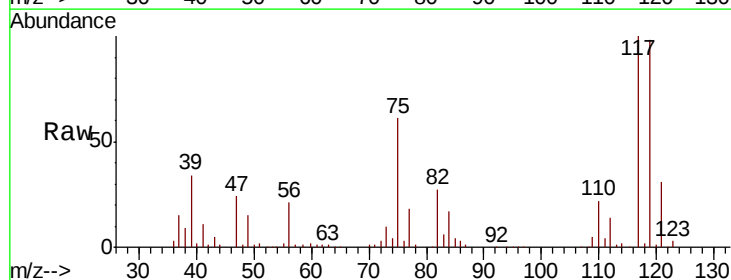
Tgt Ion: 117 Resp: 132534

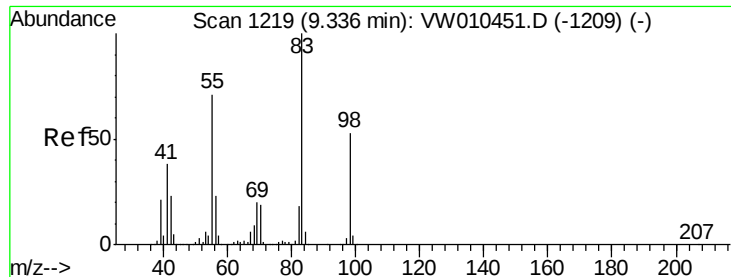
Ion Ratio Lower Upper

117 100

119 98.2 77.4 116.0

121 30.9 25.0 37.6

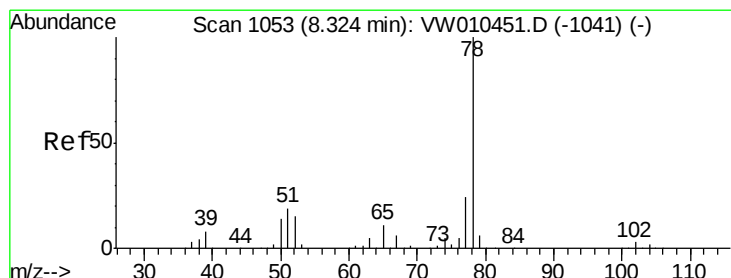
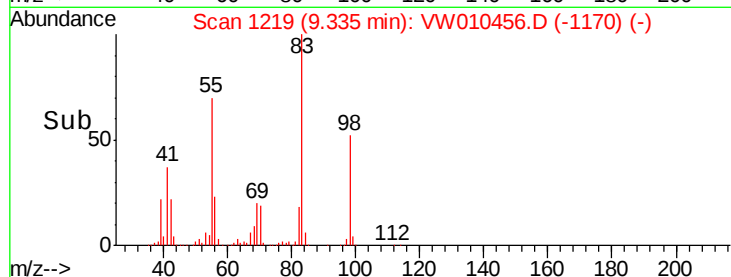
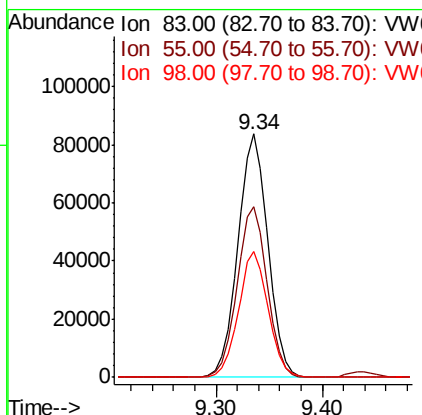
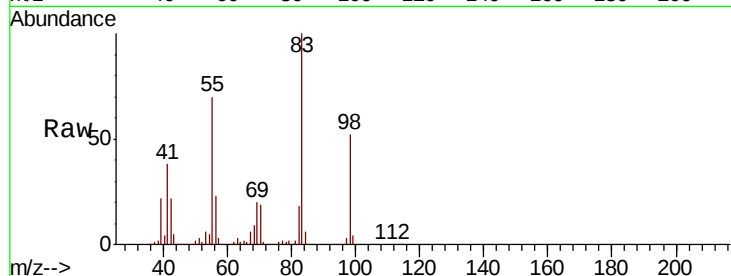




#39
Methvlcvclohexane
Concen: 54.472 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

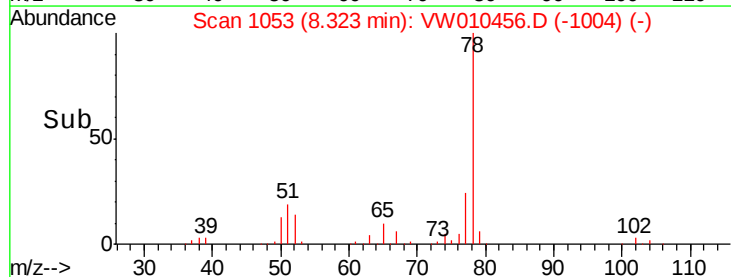
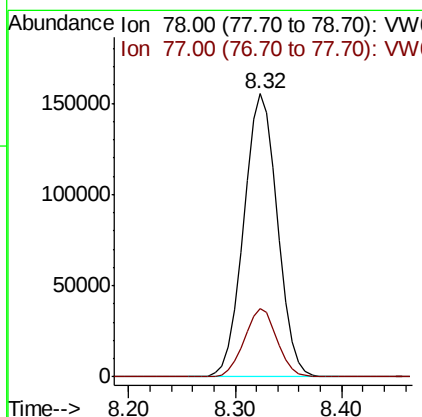
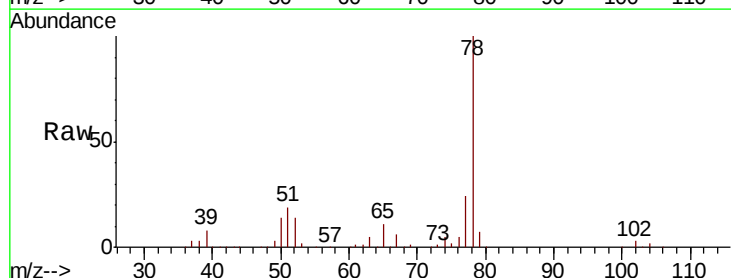
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

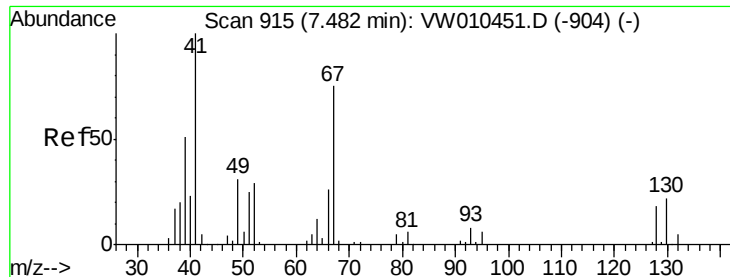
Tot Ion: 83 Resp: 165385
Ion Ratio Lower Upper
83 100
55 69.9 57.0 85.6
98 51.8 42.0 63.0



#40
Benzene
Concen: 54.627 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 78 Resp: 344081
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3

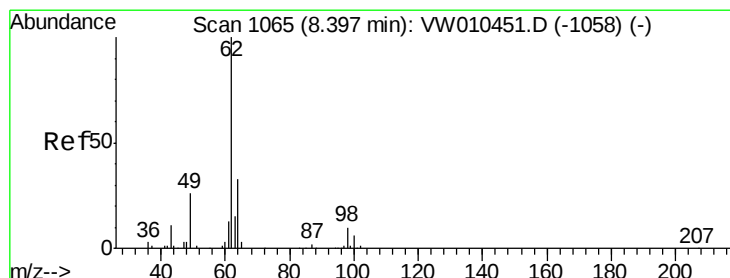
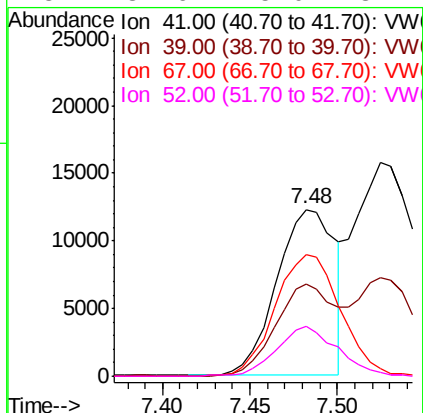
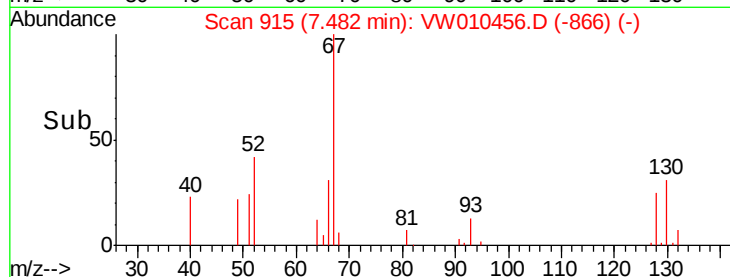
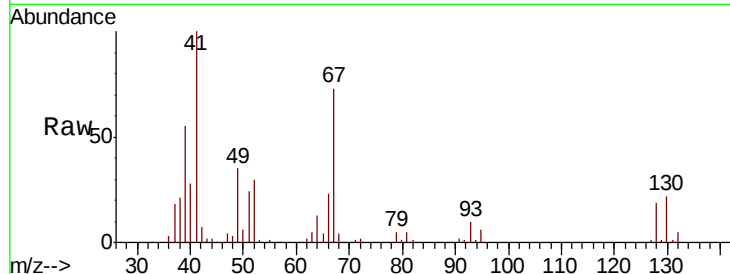




#41
Methacrylonitrile
Concen: 50.009 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

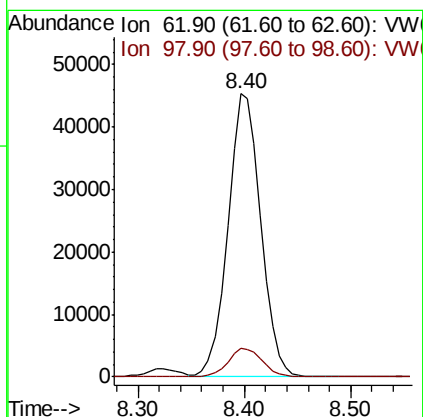
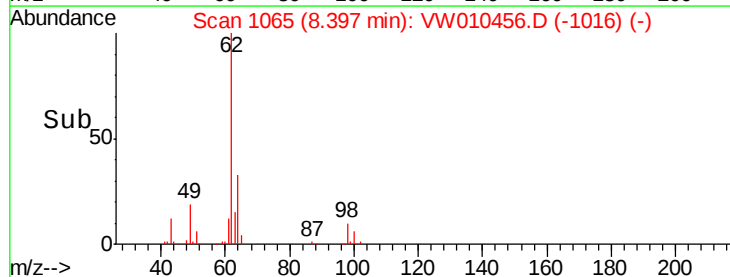
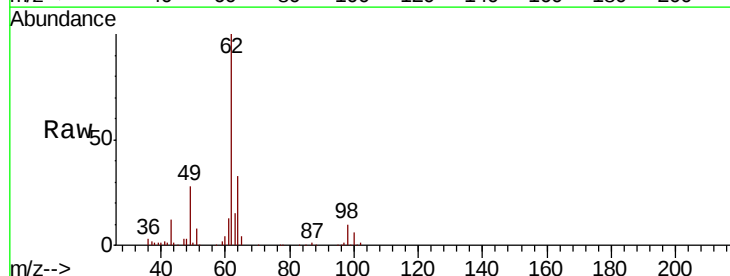
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

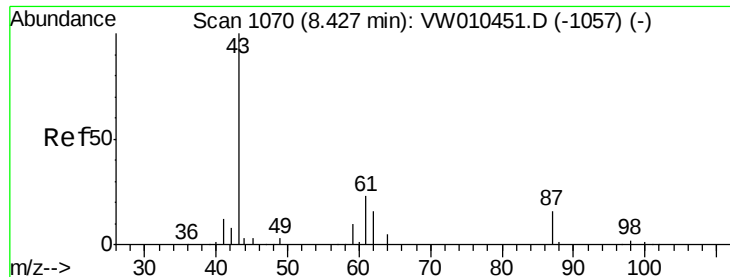
Tot Ion:	41	Resp:	28635
Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.4	71.2
67	82.2	65.5	98.3
52	31.6	25.0	37.4



#42
1,2-Dichloroethane
Concen: 54.249 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:	62	Resp:	97661
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 52.635 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

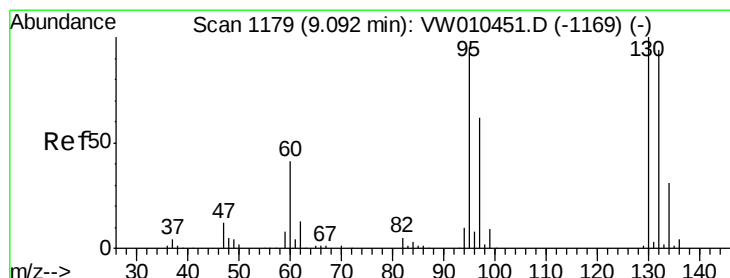
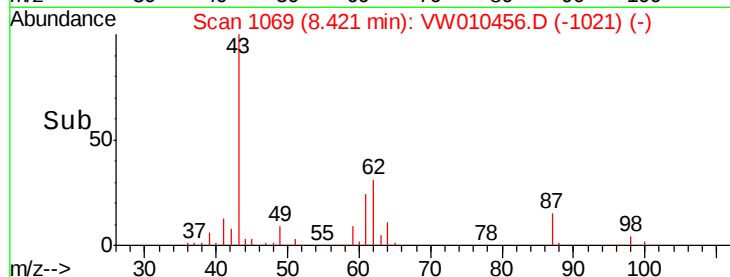
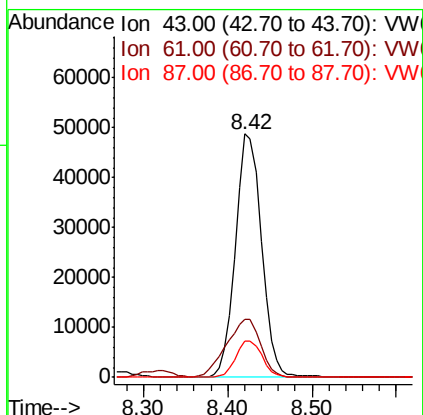
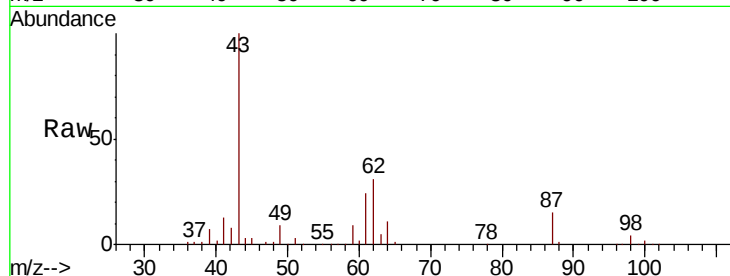
Tot Ion: 43 Resp: 101334

Ion Ratio Lower Upper

43 100

61 31.6 25.4 38.2

87 15.2 12.7 19.1



#44

Trichloroethene

Concen: 53.580 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010456.D

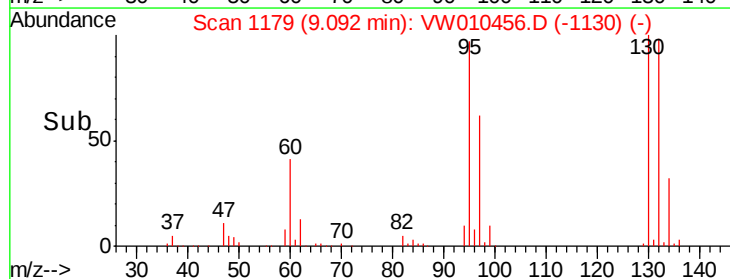
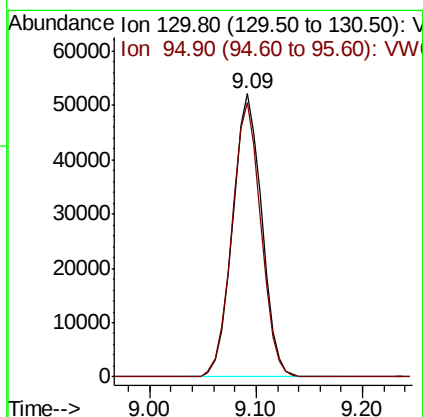
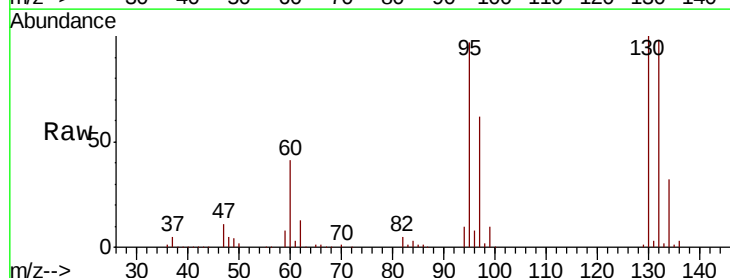
Acq: 20 May 2019 19:14

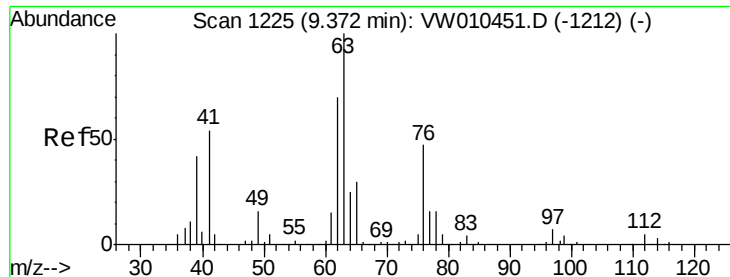
Tgt Ion: 130 Resp: 100192

Ion Ratio Lower Upper

130 100

95 96.8 0.0 189.6





#45

1,2-Dichloropropane

Concen: 55.273 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

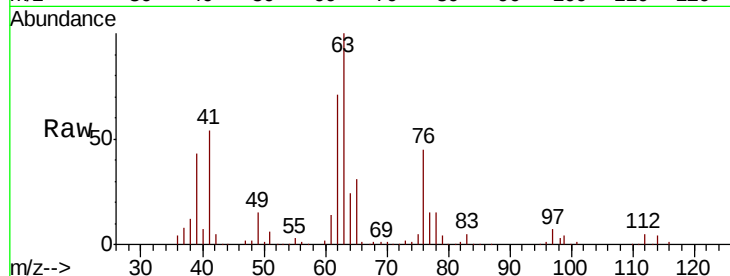
VSTDCCC050

Tot Ion: 63 Resp: 82685

Ion Ratio Lower Upper

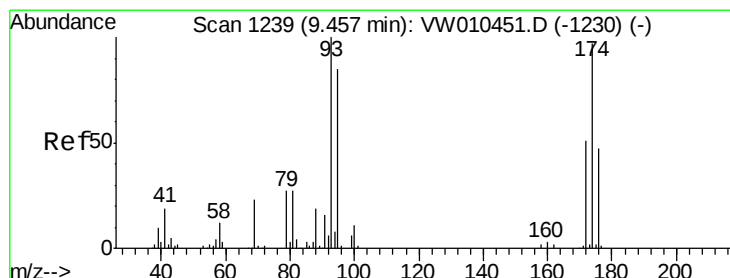
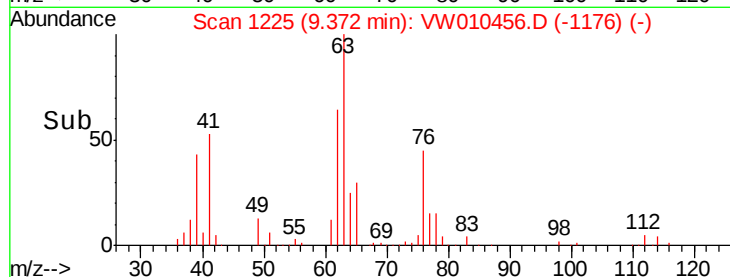
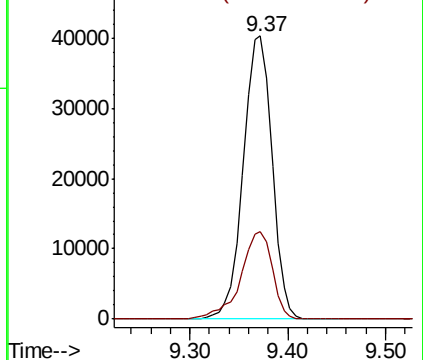
63 100

65 30.7 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: 53.867 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

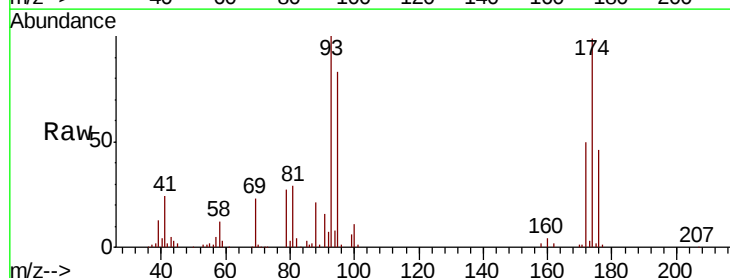
Tgt Ion: 93 Resp: 47126

Ion Ratio Lower Upper

93 100

95 83.7 66.1 99.1

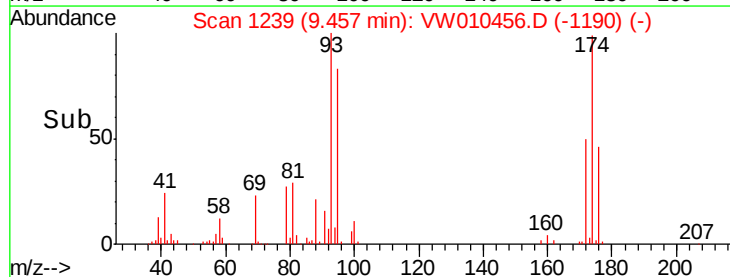
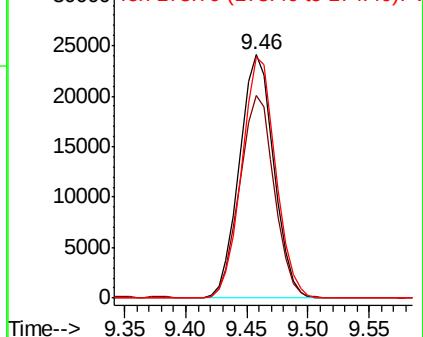
174 97.6 77.1 115.7

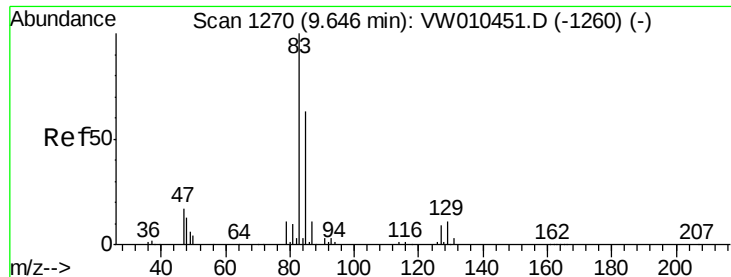


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.847 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

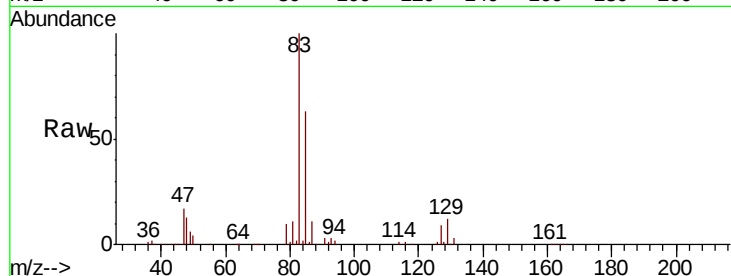
Tot Ion: 83 Resp: 120581

Ion Ratio Lower Upper

83 100

85 63.2 50.4 75.6

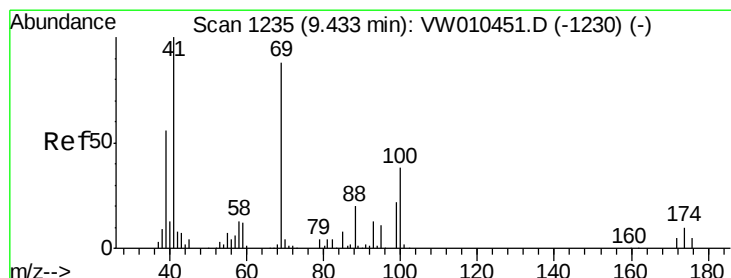
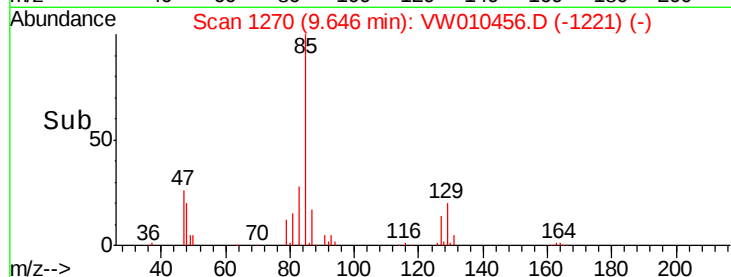
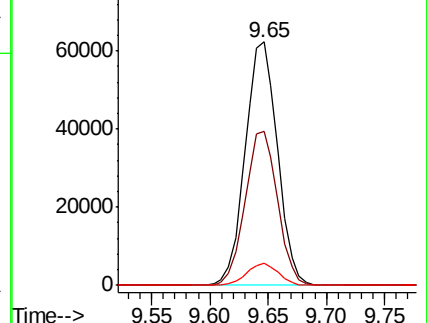
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 51.842 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

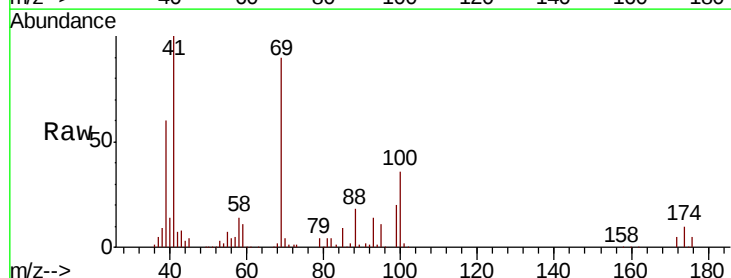
Tgt Ion: 41 Resp: 45661

Ion Ratio Lower Upper

41 100

69 98.9 77.6 116.4

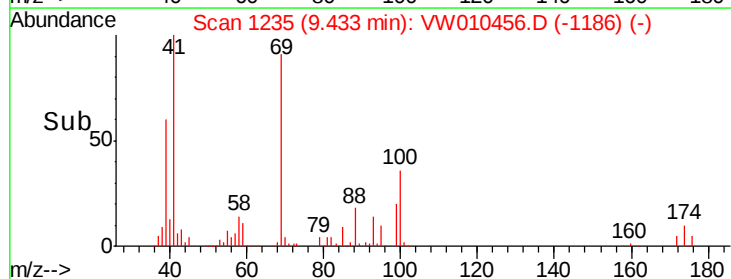
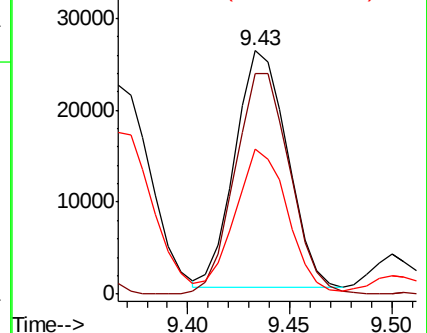
39 62.6 49.8 74.8

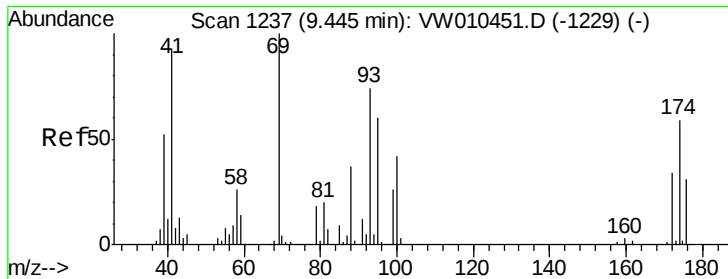


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

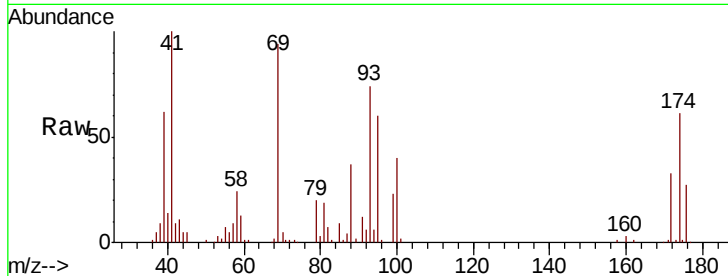




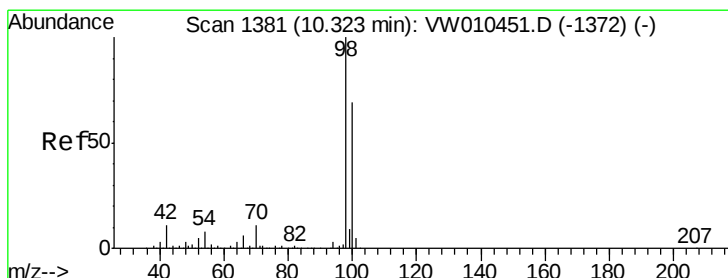
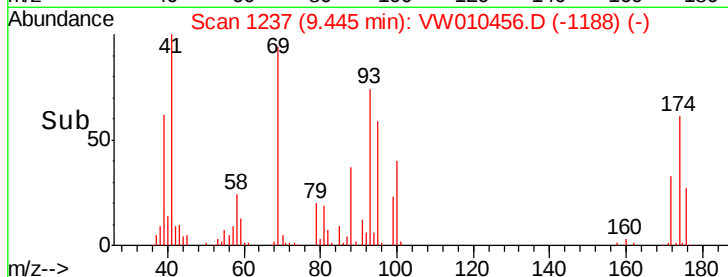
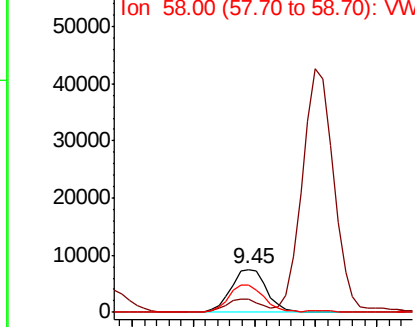
#49
 1,4-Dioxane
 Concen: 1064.006 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 88 Resp: 15206
 Ion Ratio Lower Upper
 88 100
 43 29.7 25.9 38.9
 58 63.0 52.7 79.1

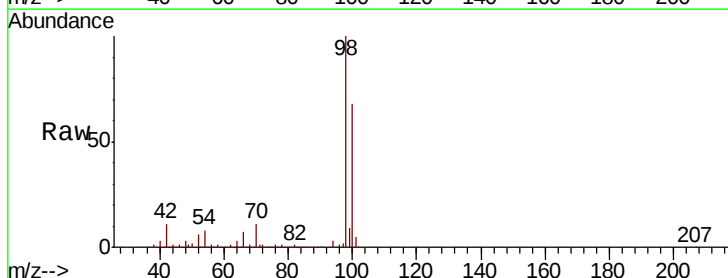


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

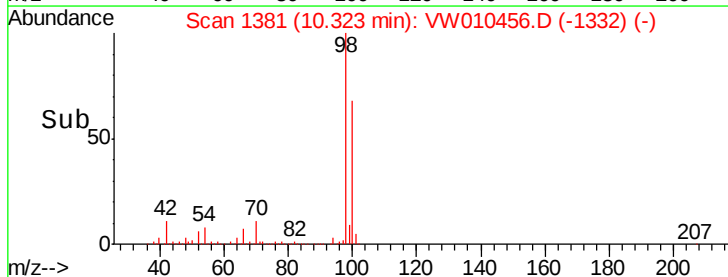
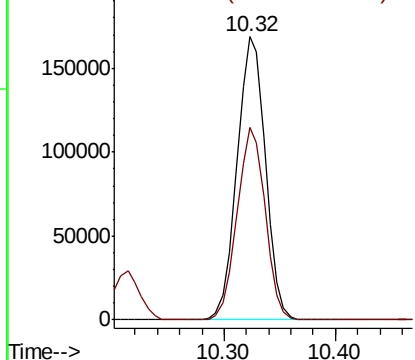


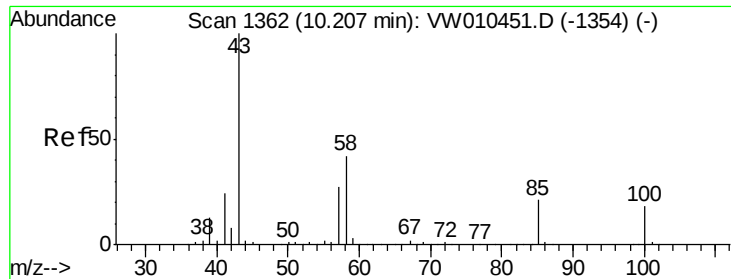
#50
 Toluene-d8
 Concen: 52.696 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 98 Resp: 297156
 Ion Ratio Lower Upper
 98 100
 100 67.2 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: 261.156 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

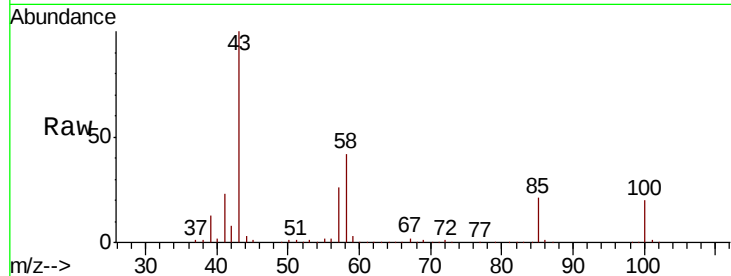
VSTDCCC050

Tot Ion: 43 Resp: 254774

Ion Ratio Lower Upper

43 100

58 41.7 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

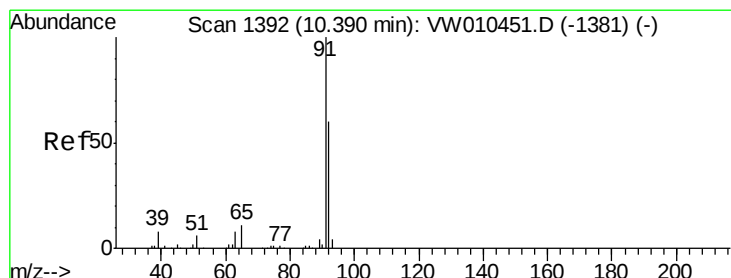
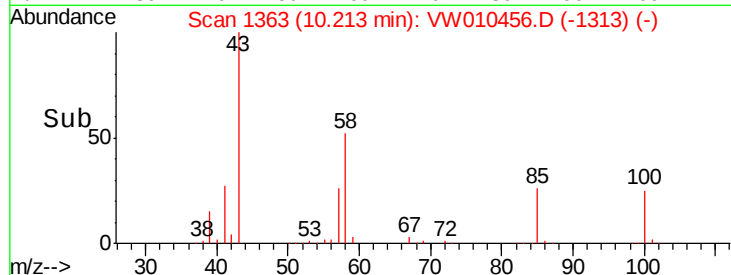
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 54.164 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010456.D

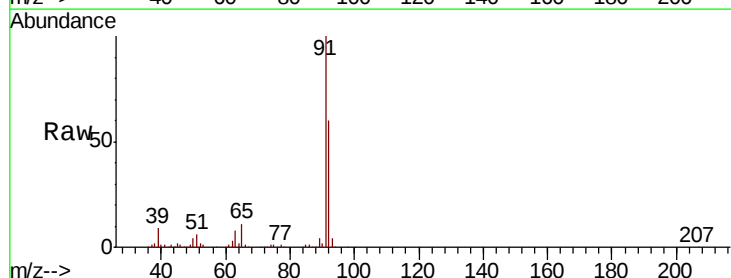
Acq: 20 May 2019 19:14

Tgt Ion: 92 Resp: 229115

Ion Ratio Lower Upper

92 100

91 168.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

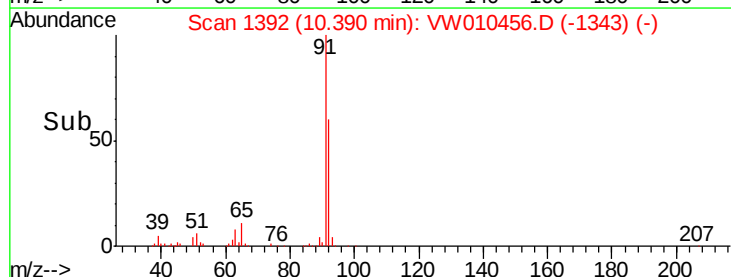
150000

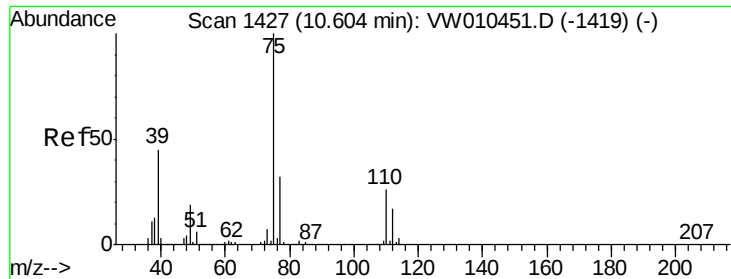
100000

50000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 53.725 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

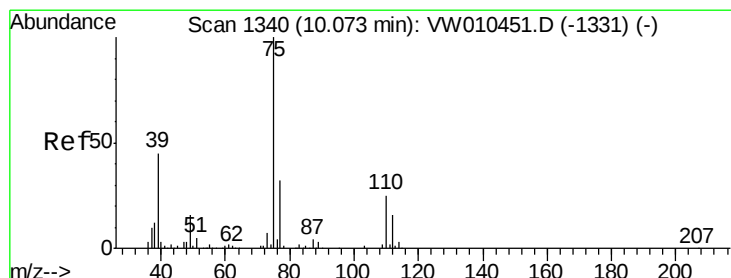
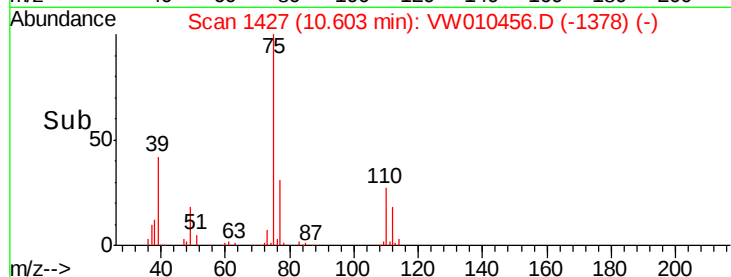
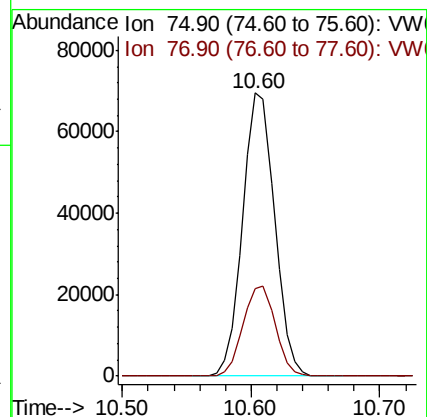
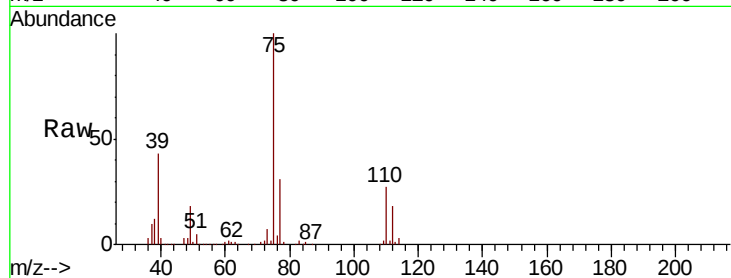
VSTDCCC050

Tot Ion: 75 Resp: 119622

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 54.443 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

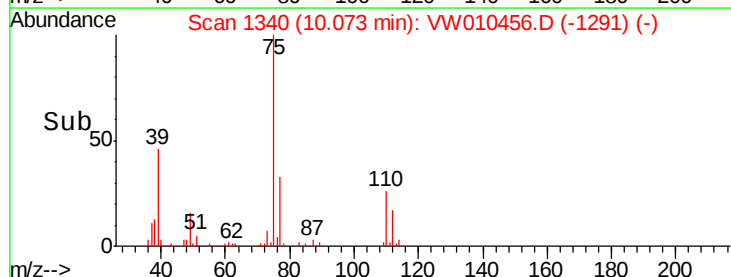
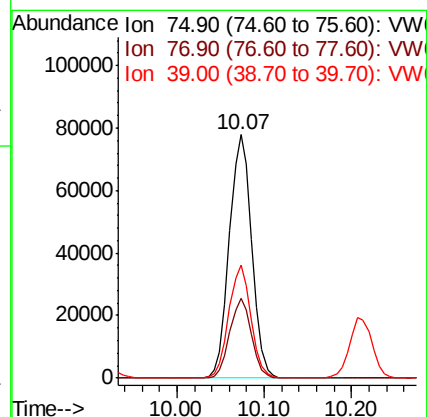
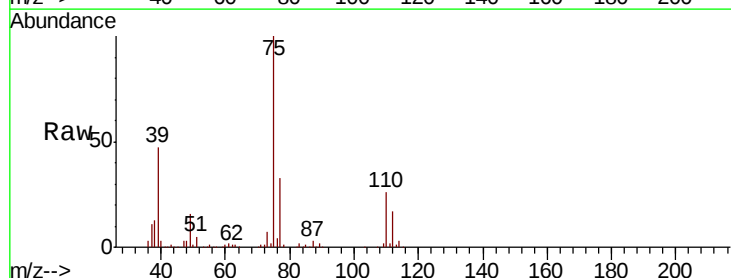
Tgt Ion: 75 Resp: 138442

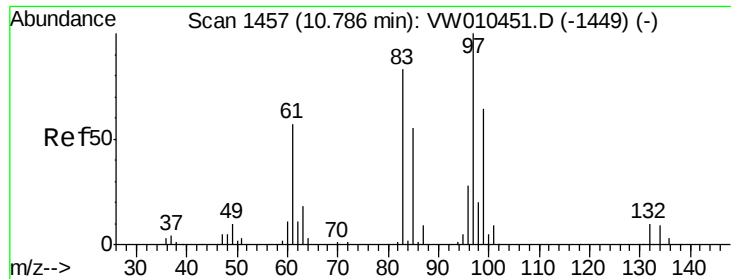
Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

39 46.4 36.2 54.4

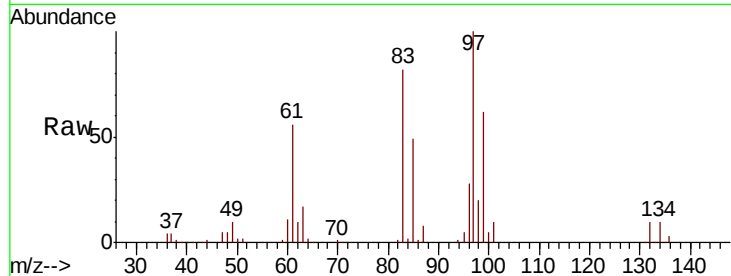




#55
 1,1,2-Trichloroethane
 Concen: 54.190 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	68174
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.1	99.1
85	49.5	44.2	66.4
99	62.1	51.1	76.7



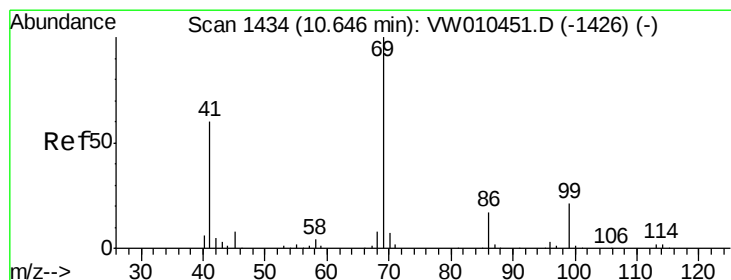
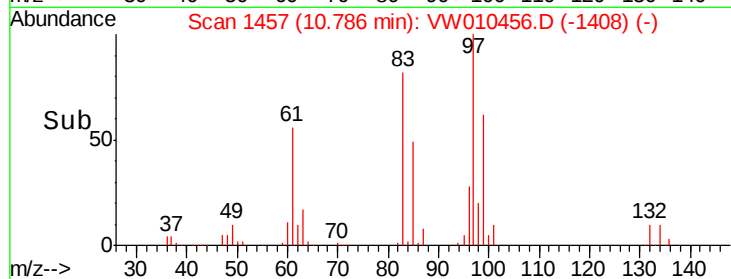
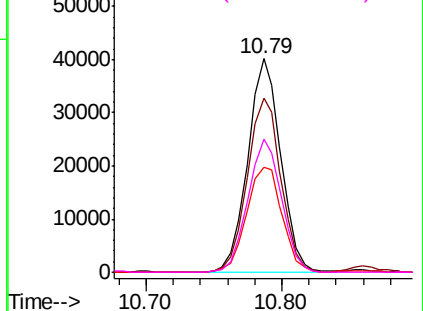
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

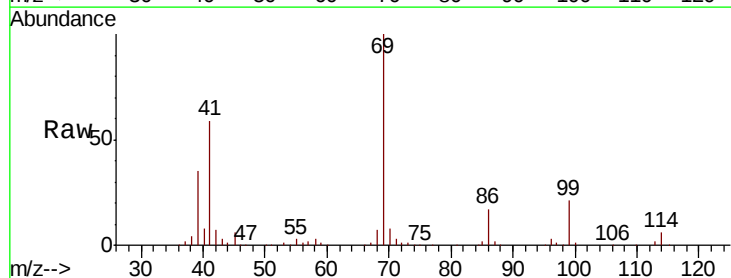
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 52.925 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion:	69	Resp:	91828
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.7	71.5
39	32.0	25.3	37.9

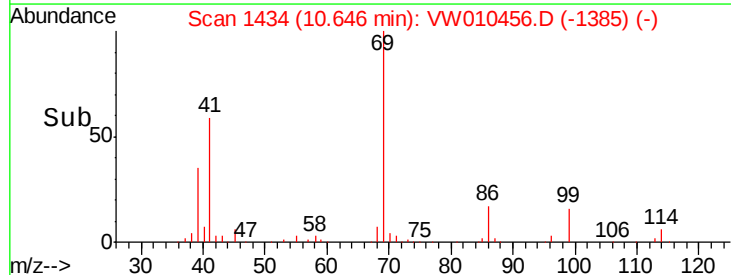
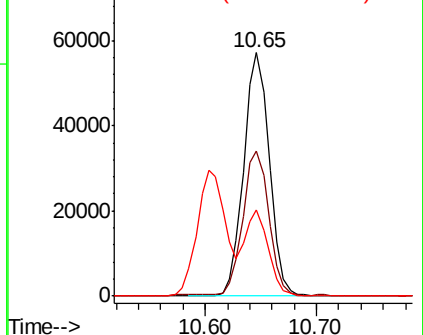


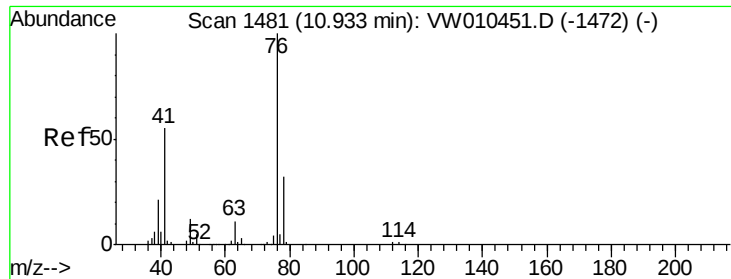
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

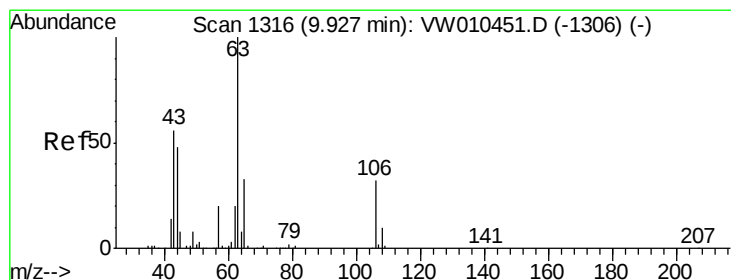
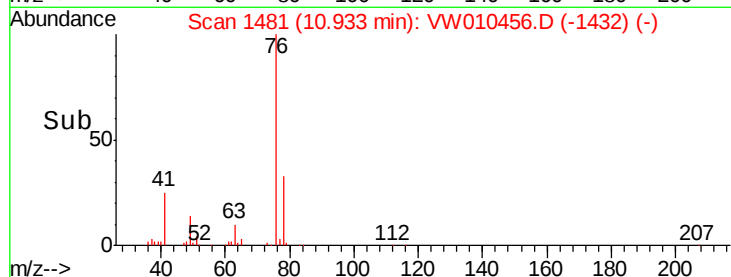
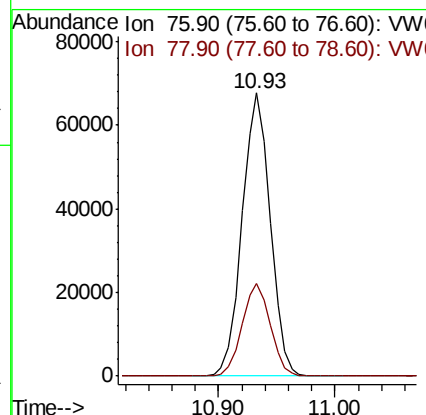
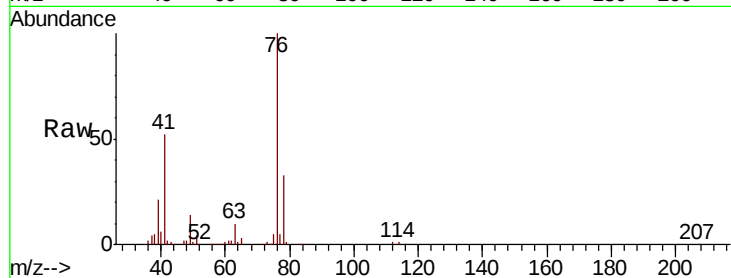




#57
 1,3-Dichloropropane
 Concen: 54.134 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

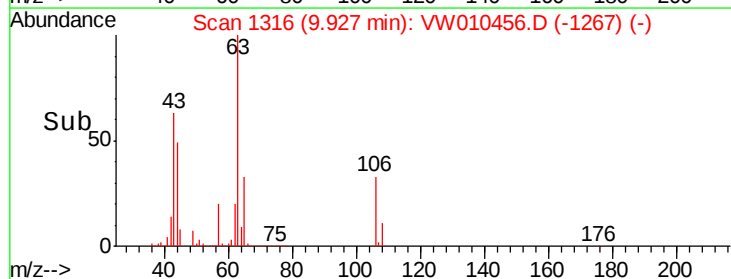
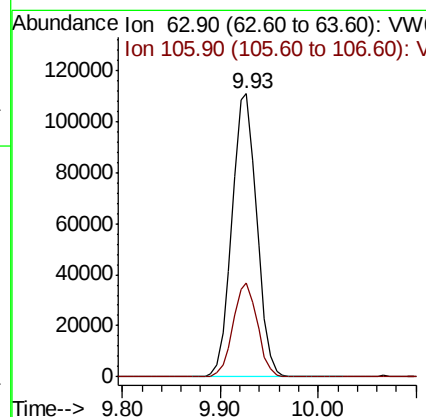
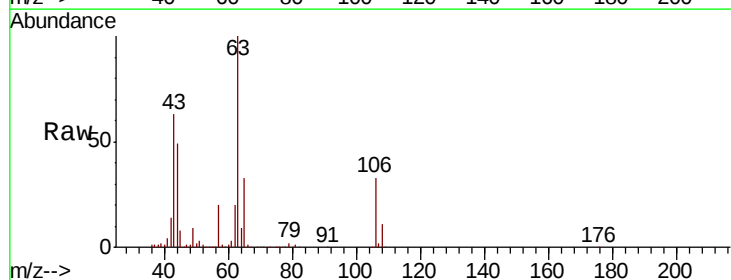
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

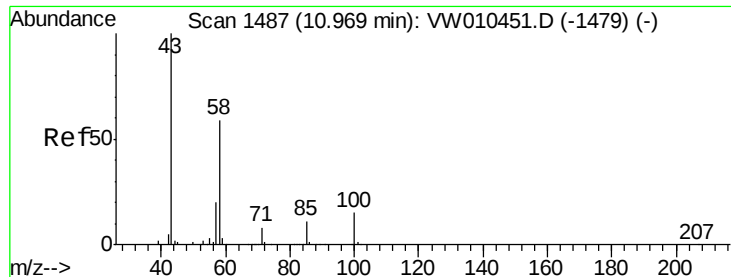
Tot Ion: 76 Resp: 114078
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.829 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 63 Resp: 195070
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.8 38.6

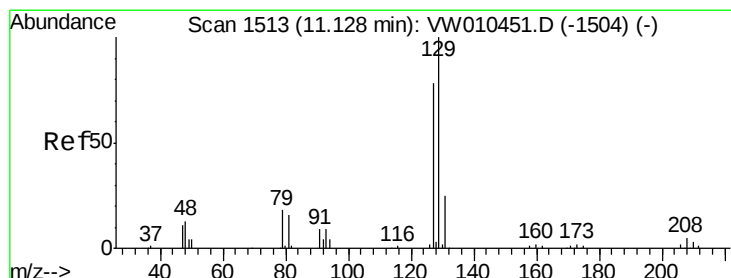
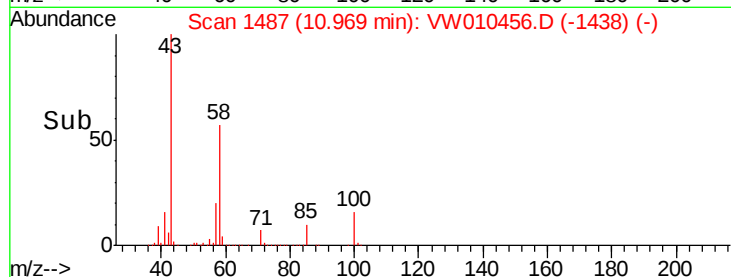
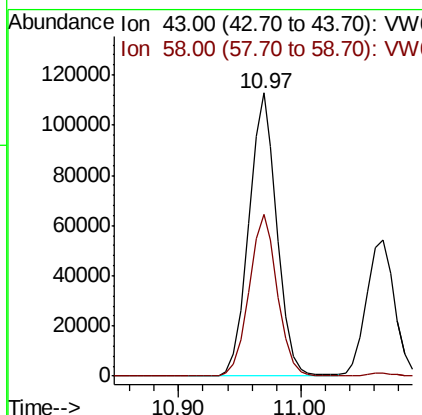
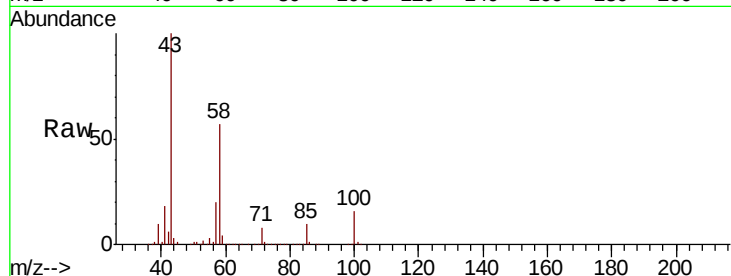




#59
2-Hexanone
Concen: 256.824 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

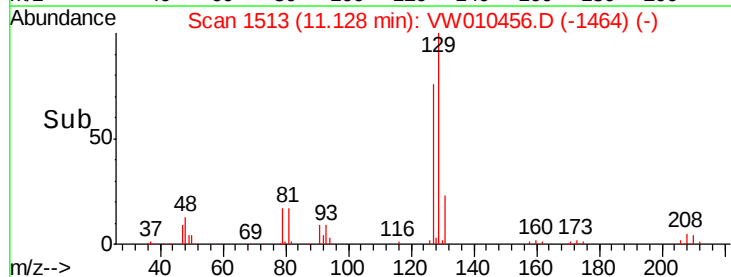
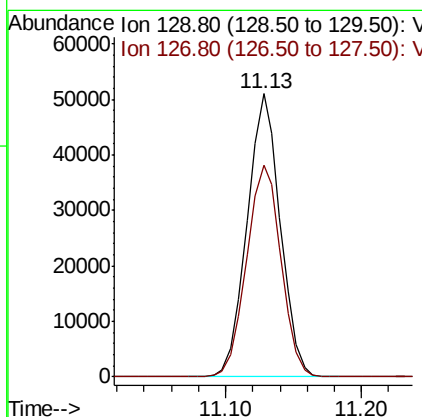
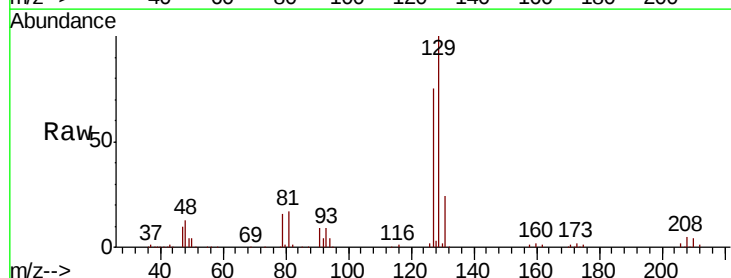
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

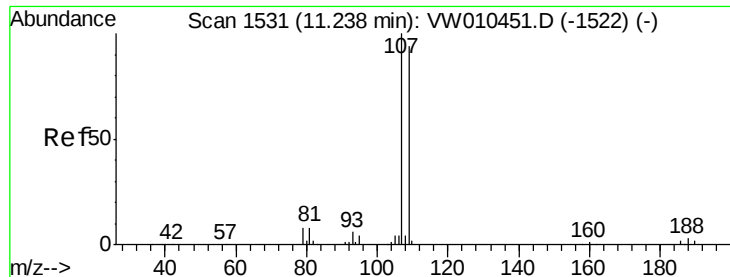
Tot Ion: 43 Resp: 178728
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8



#60
Dibromochloromethane
Concen: 54.742 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 129 Resp: 87159
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

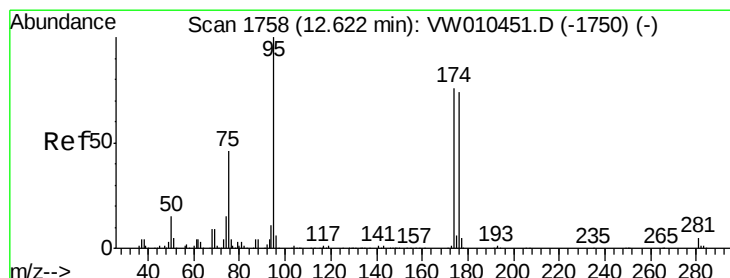
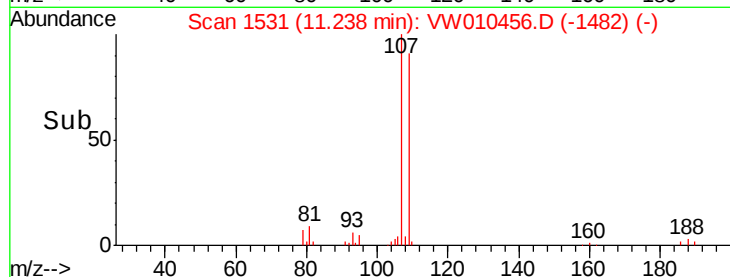
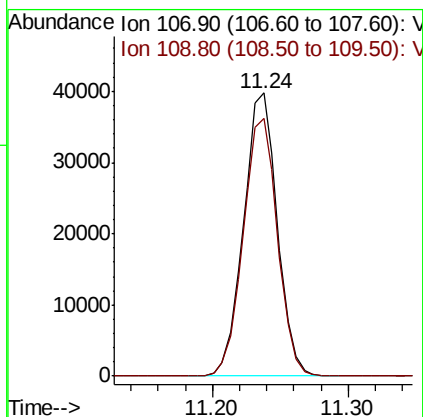
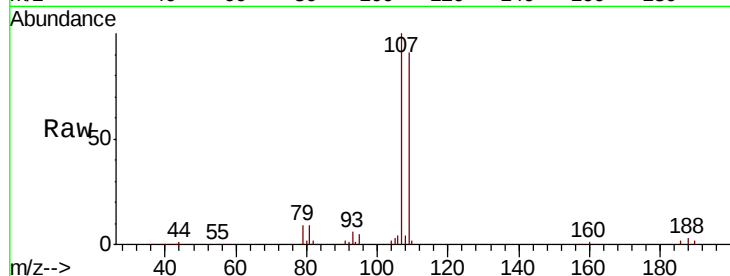




#61
 1,2-Dibromoethane
 Concen: 54.075 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

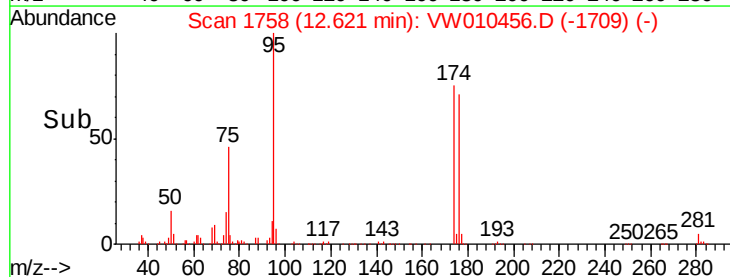
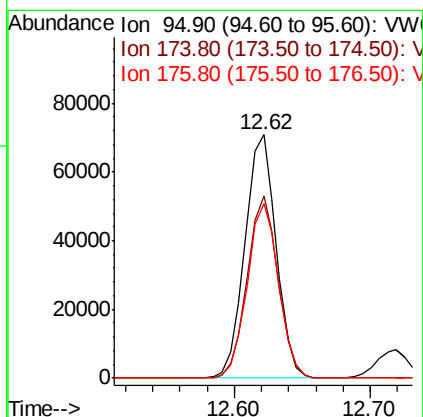
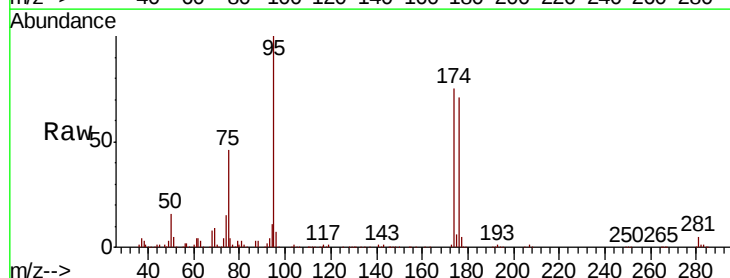
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

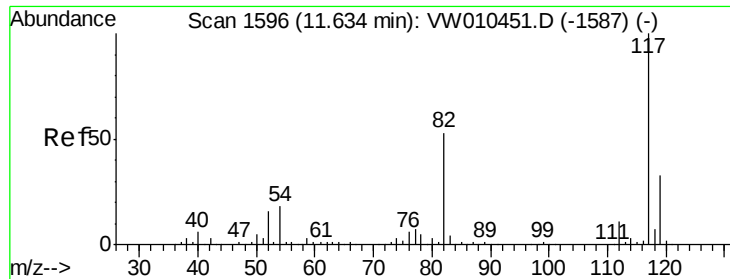
Tot Ion: 107 Resp: 68912
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.675 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 95 Resp: 113824
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 148.6
 176 72.0 0.0 144.2

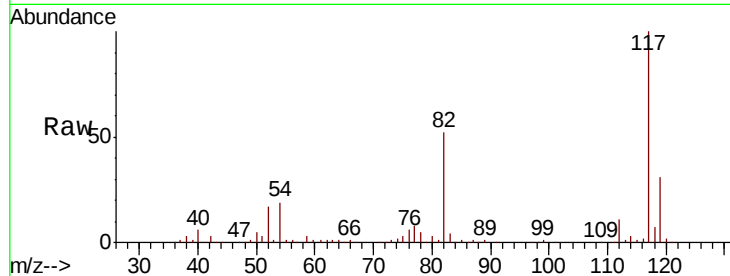




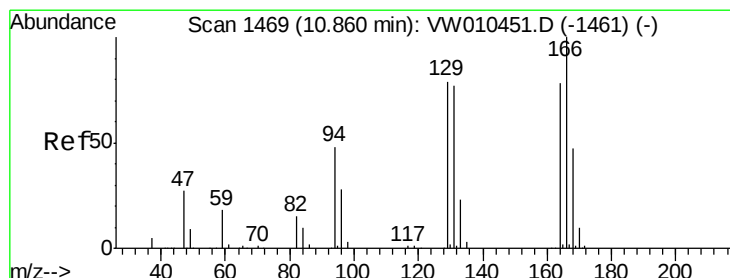
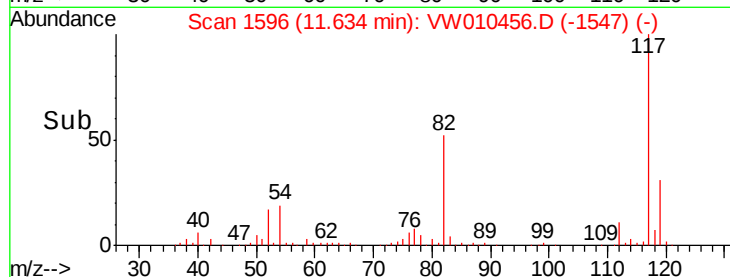
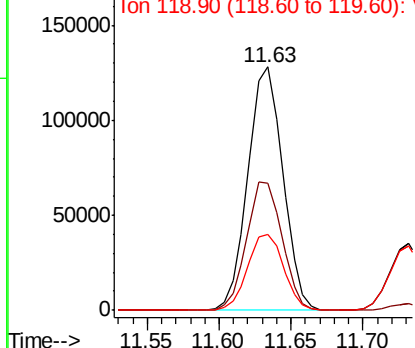
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 215280
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 31.3 26.3 39.5

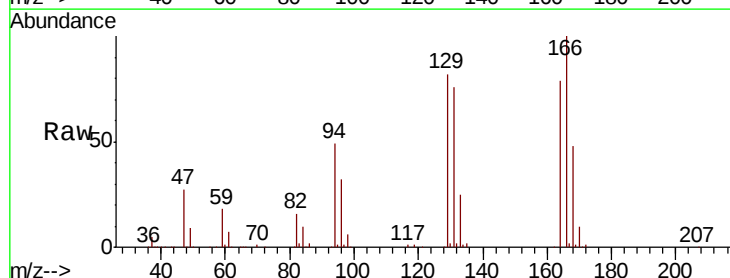


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

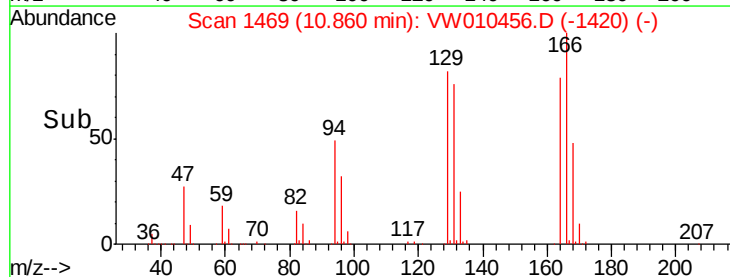
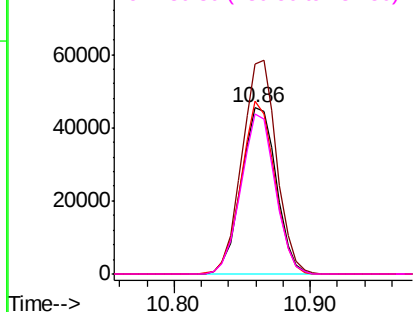


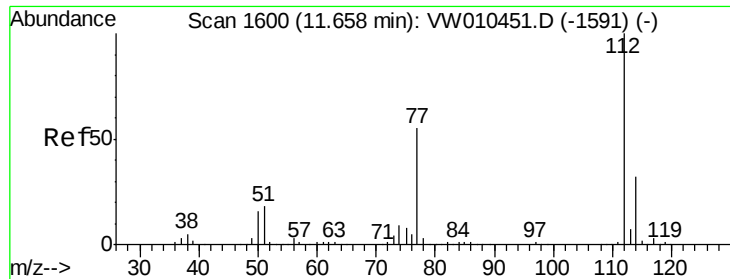
#64
Tetrachloroethene
Concen: 54.619 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:164 Resp: 81967
Ion Ratio Lower Upper
164 100
166 126.1 101.9 152.9
129 103.6 80.6 121.0
131 96.0 78.2 117.2



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

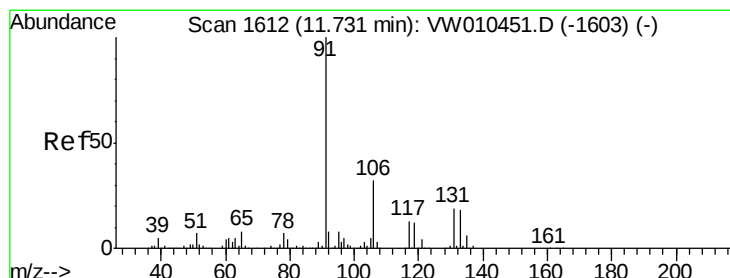
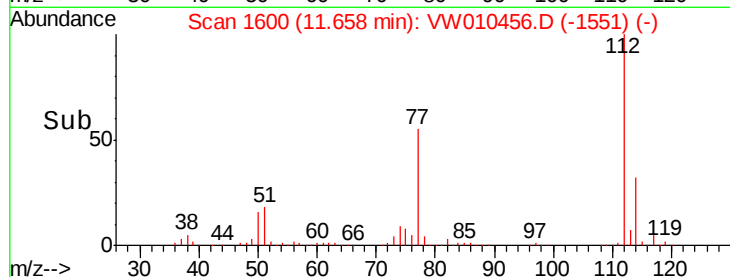
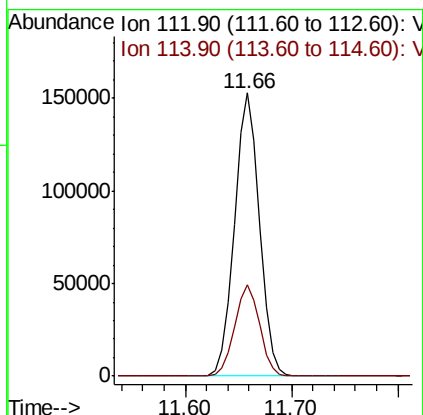
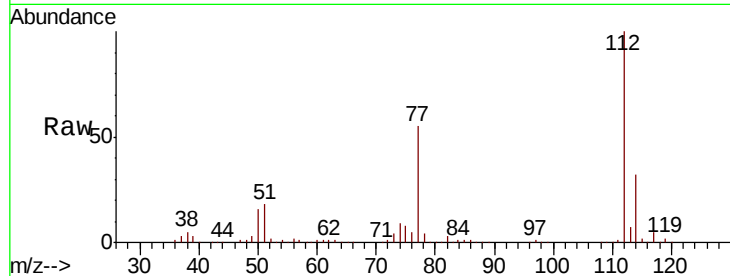




#65
Chlorobenzene
Concen: 54.580 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

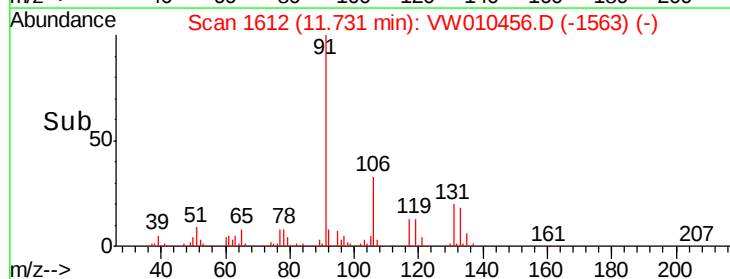
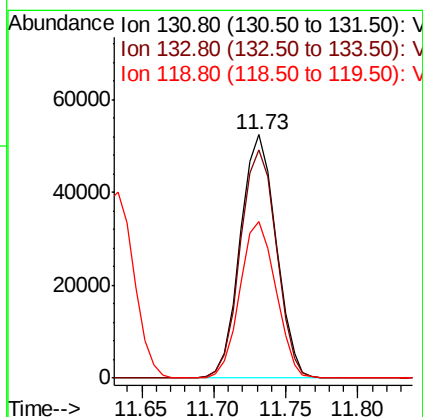
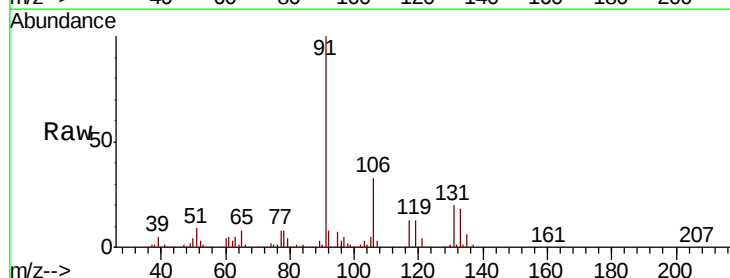
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

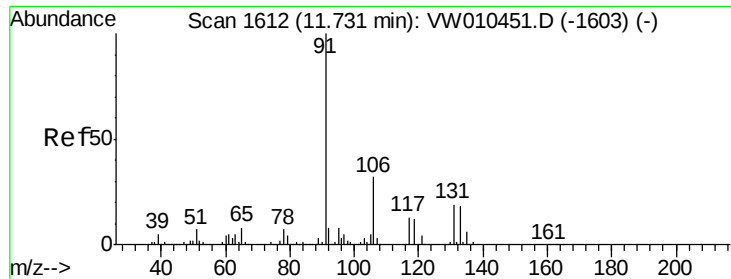
Tot Ion:112 Resp: 250421
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.056 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:131 Resp: 90488
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 64.6 32.1 96.5

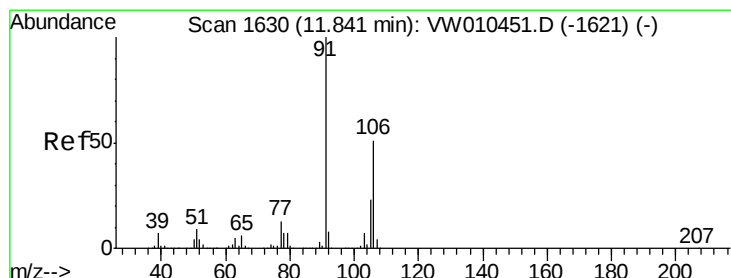
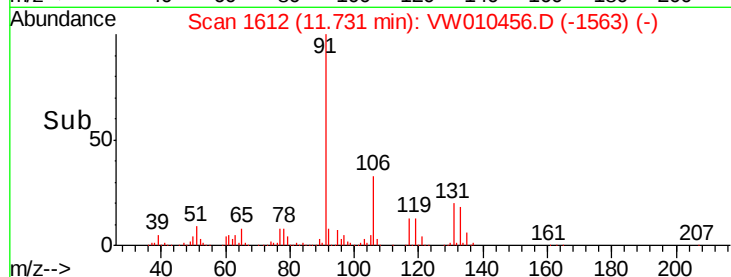
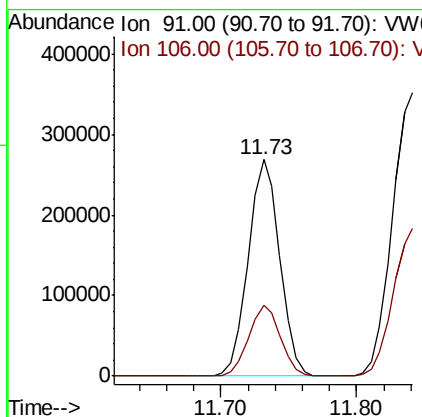
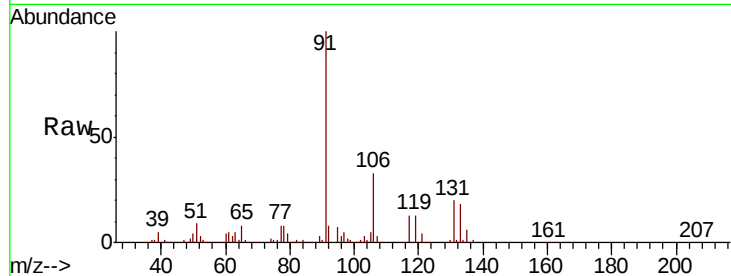




#67
Ethyl Benzene
Concen: 53.897 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

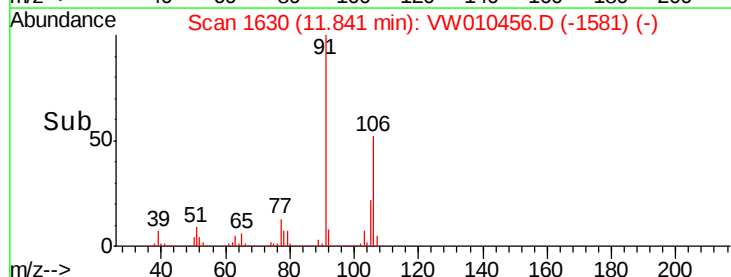
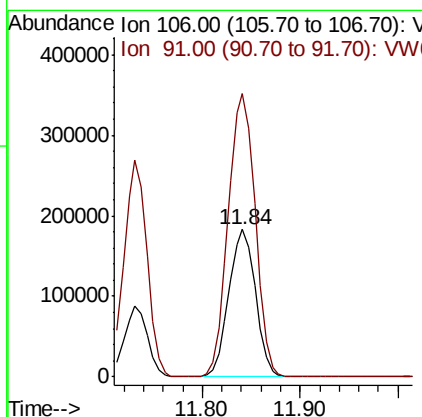
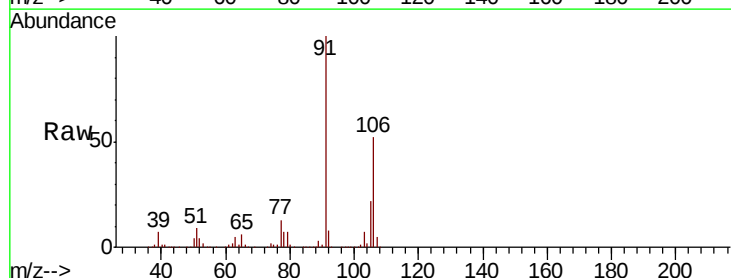
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

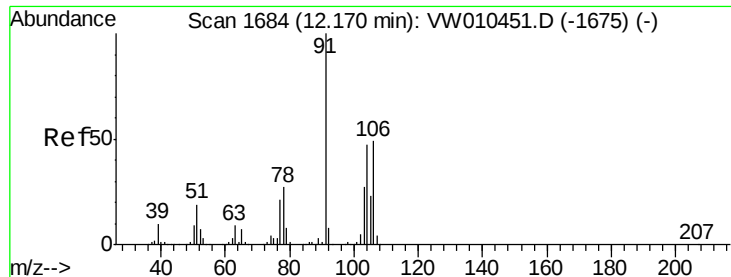
Tot Ion: 91 Resp: 436589
Ion Ratio Lower Upper
91 100
106 32.6 25.9 38.9



#68
m/p-Xylenes
Concen: 108.823 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 106 Resp: 345761
Ion Ratio Lower Upper
106 100
91 195.4 156.0 234.0

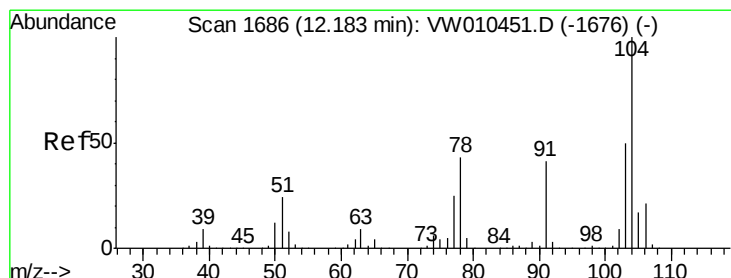
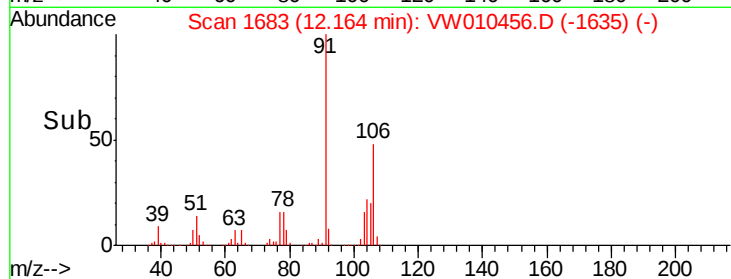
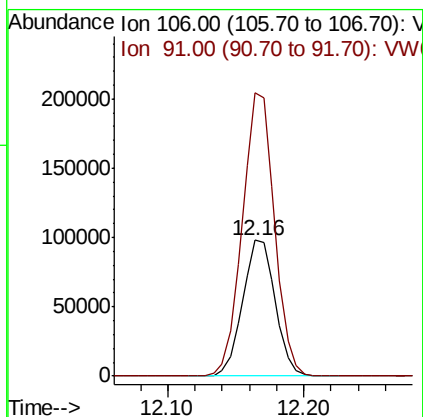
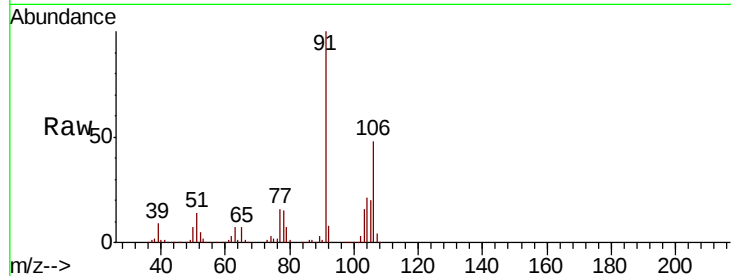




#69
o-Xylene
Concen: 54.573 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

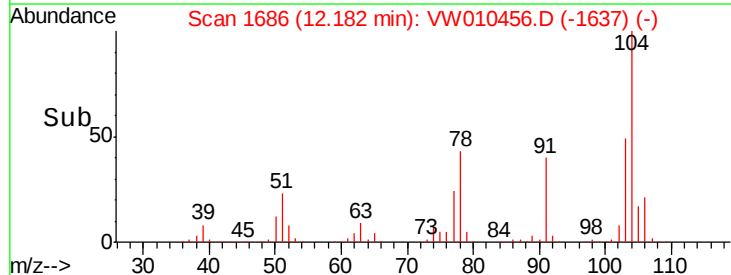
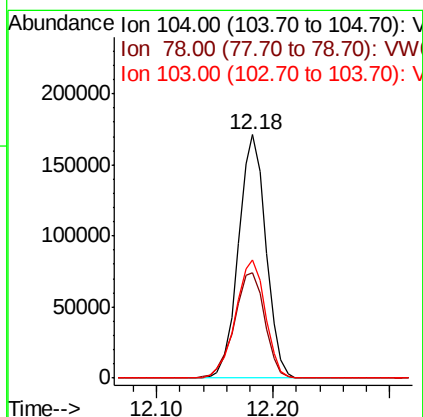
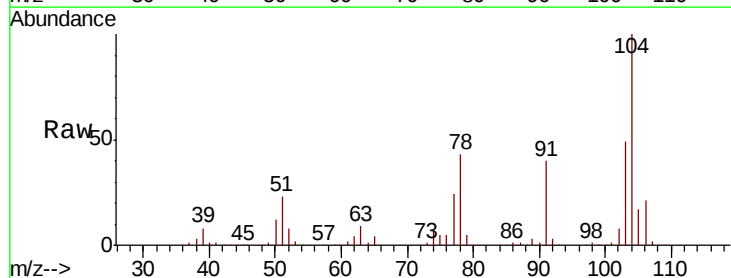
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

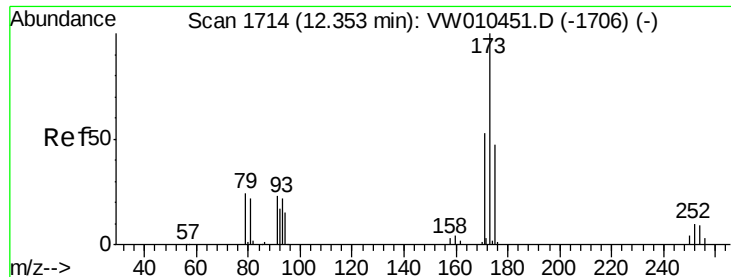
Tot Ion:106 Resp: 164280
Ion Ratio Lower Upper
106 100
91 205.3 103.2 309.4



#70
Styrene
Concen: 55.079 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:104 Resp: 281323
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 52.8 43.0 64.6





#71

Bromoform

Concen: 55.572 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

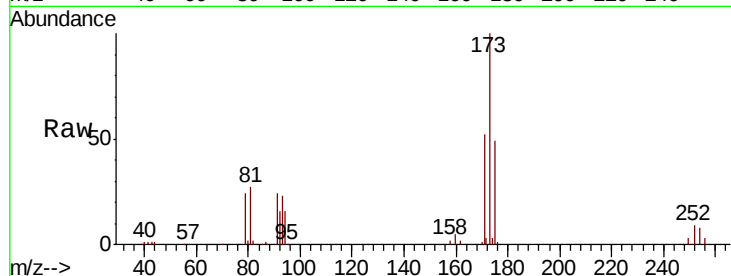
Tot Ion:173 Resp: 50297

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

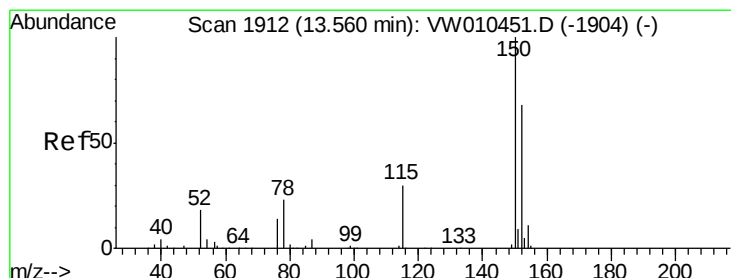
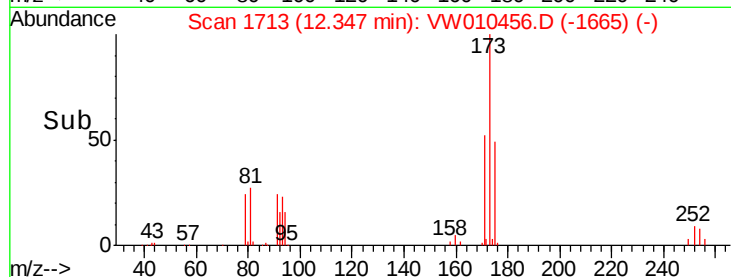
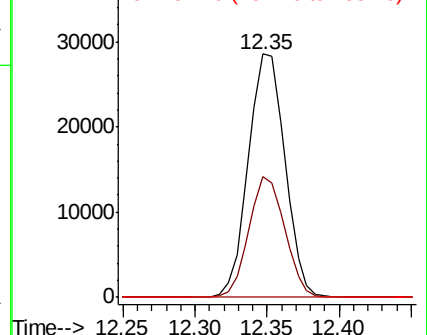
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

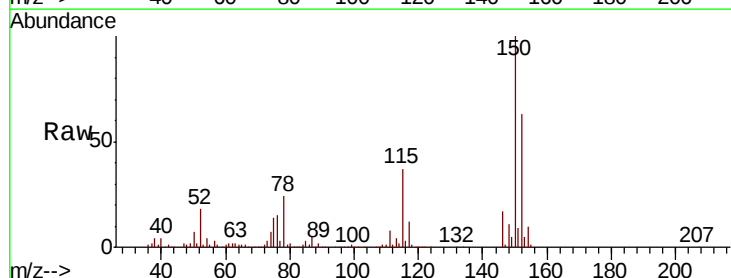
Tgt Ion:152 Resp: 105137

Ion Ratio Lower Upper

152 100

115 59.6 30.3 91.0

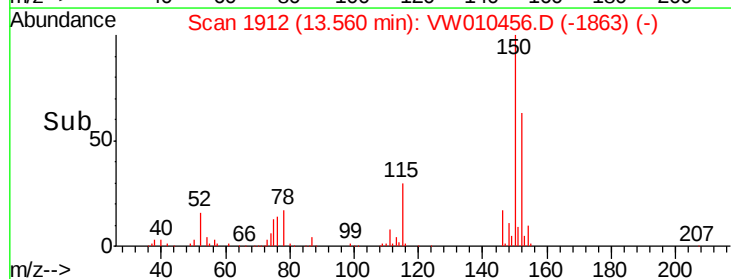
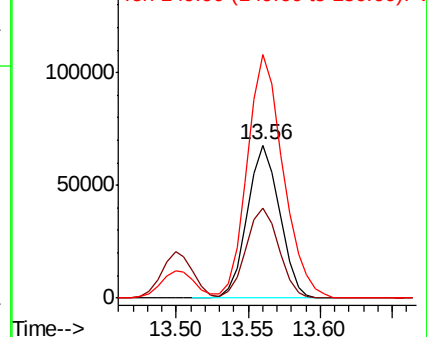
150 177.4 0.0 349.8

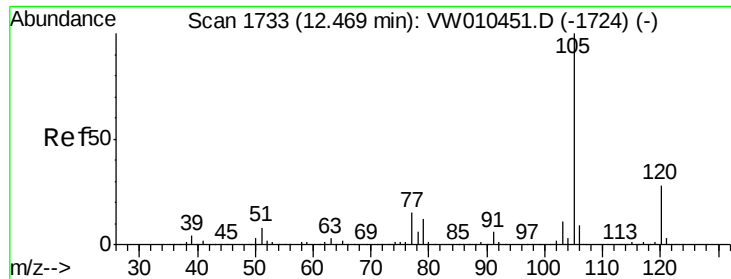


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.020 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

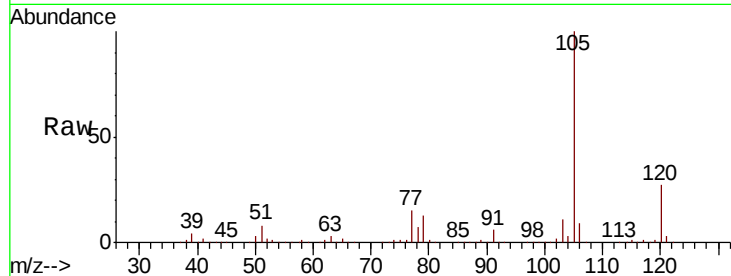
VSTDCCC050

Tot Ion:105 Resp: 442341

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

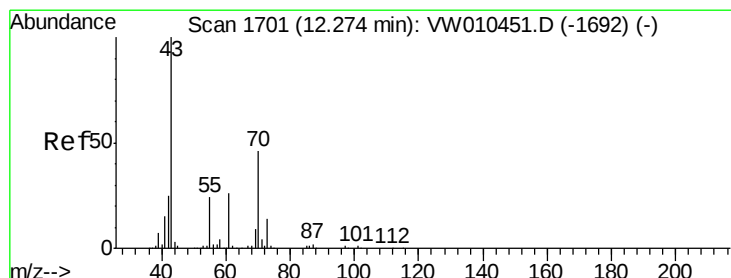
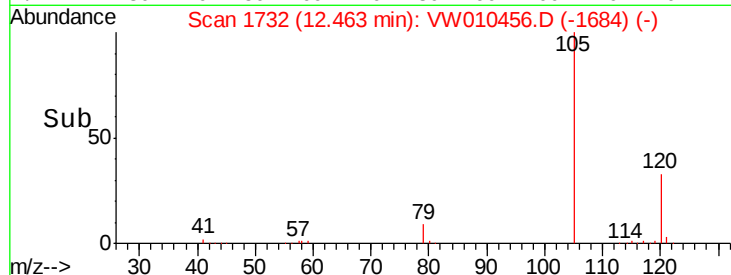
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 51.745 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion: 43 Resp: 98927

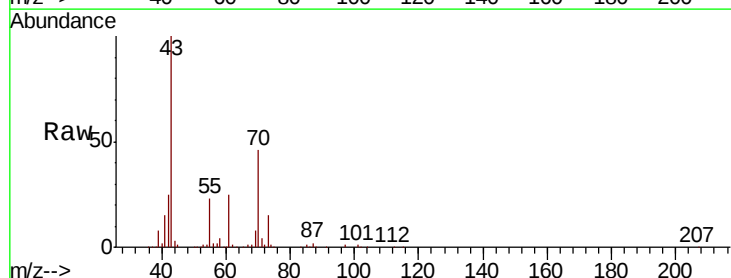
Ion Ratio Lower Upper

43 100

70 46.5 37.1 55.7

55 24.3 19.6 29.4

61 25.5 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

100000

80000

60000

40000

20000

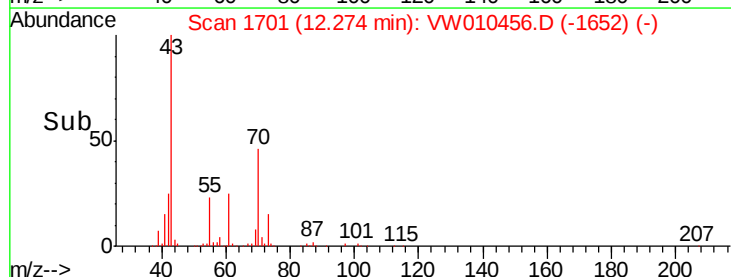
0

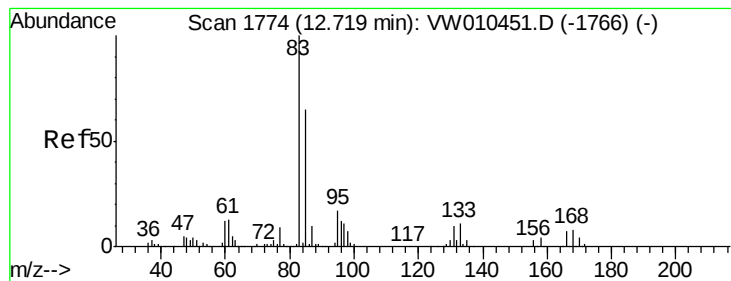
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.137 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

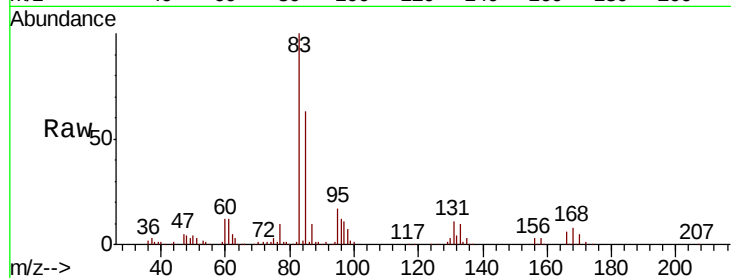
Tot Ion: 83 Resp: 77599

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

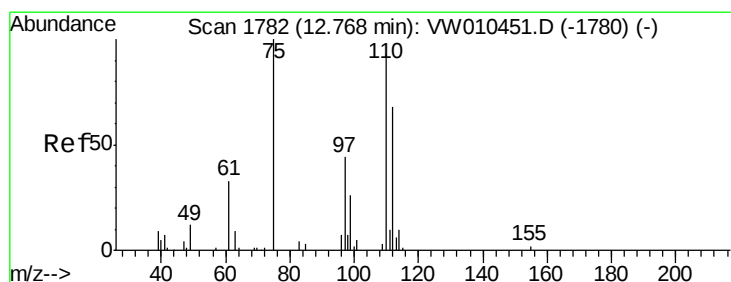
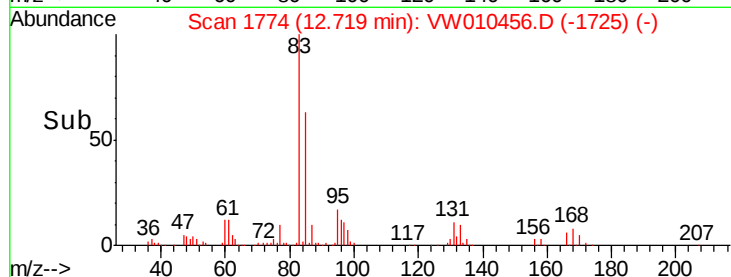
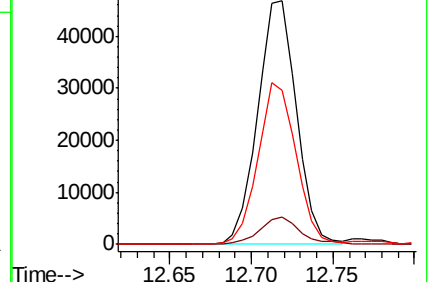
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.914 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010456.D

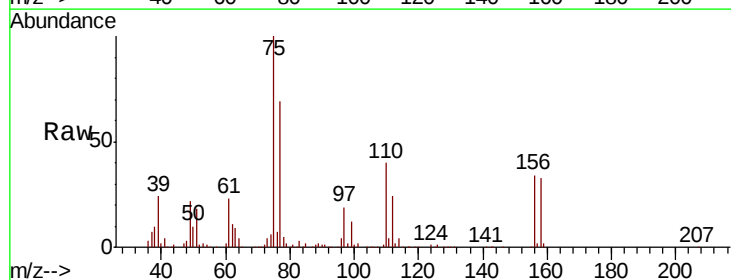
Acq: 20 May 2019 19:14

Tgt Ion: 75 Resp: 100226

Ion Ratio Lower Upper

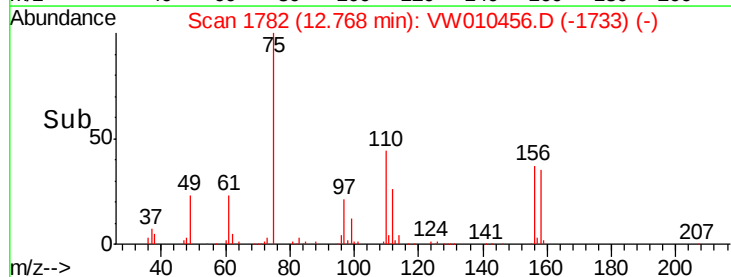
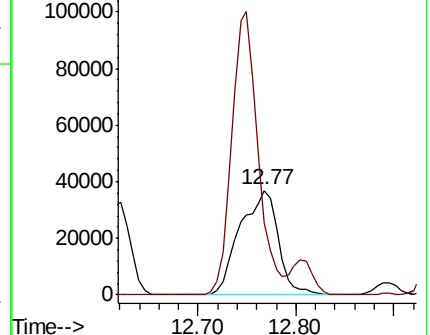
75 100

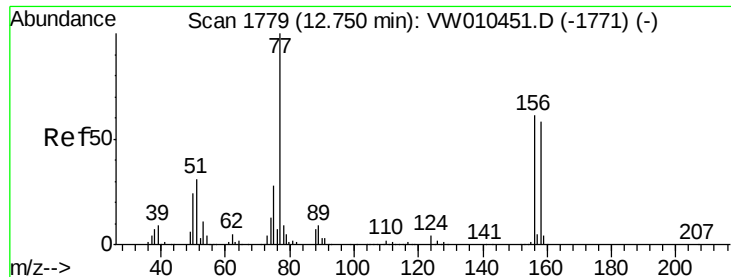
77 185.4 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.297 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

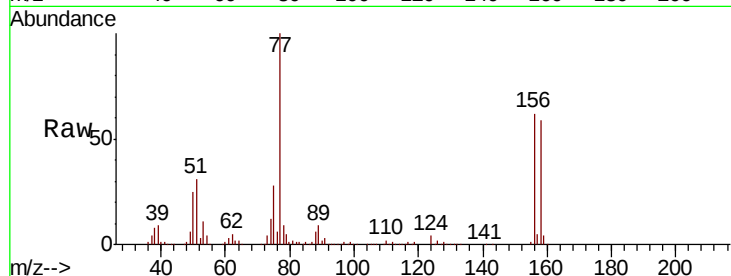
Tot Ion:156 Resp: 101373

Ion Ratio Lower Upper

156 100

77 183.3 92.4 277.2

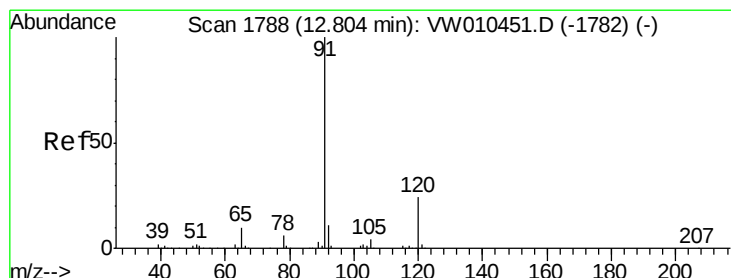
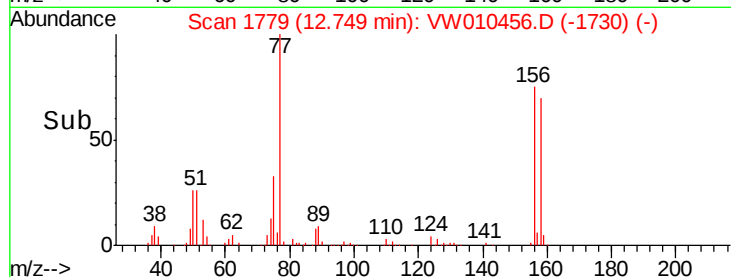
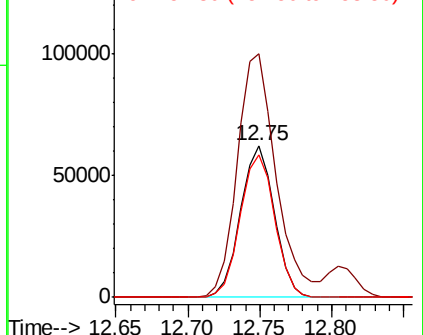
158 96.1 48.3 144.8



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: 52.956 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010456.D

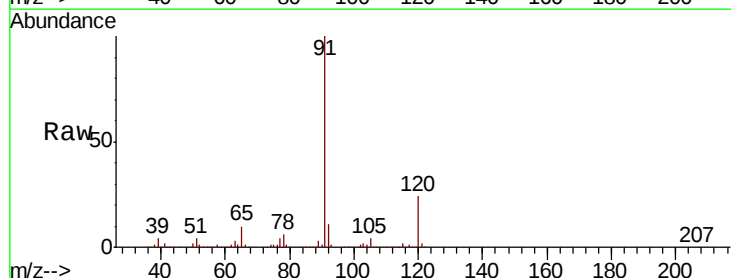
Acq: 20 May 2019 19:14

Tgt Ion: 91 Resp: 514880

Ion Ratio Lower Upper

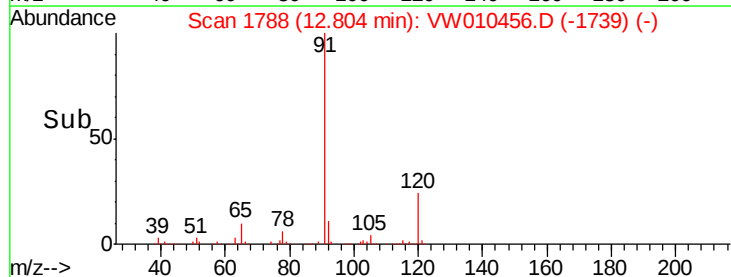
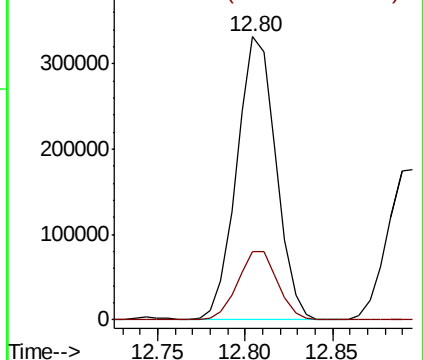
91 100

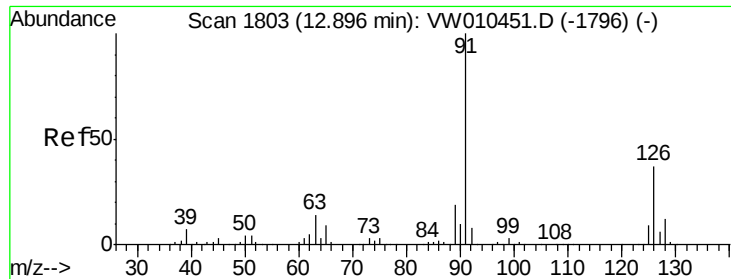
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.596 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

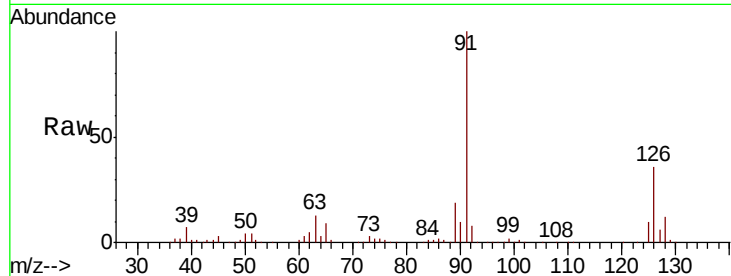
VSTDCCC050

Tot Ion: 91 Resp: 296555

Ion Ratio Lower Upper

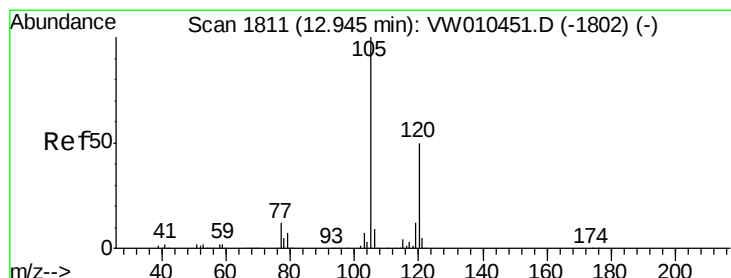
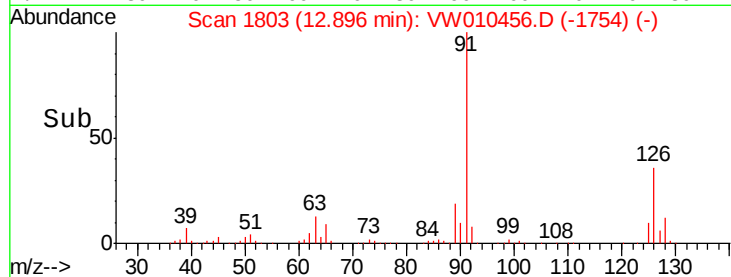
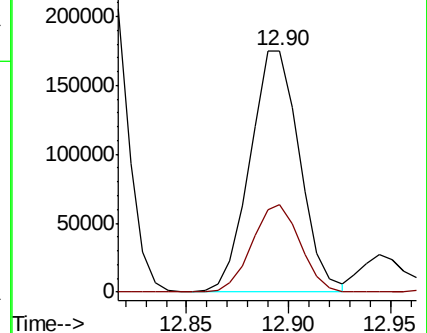
91 100

126 35.3 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: 53.581 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010456.D

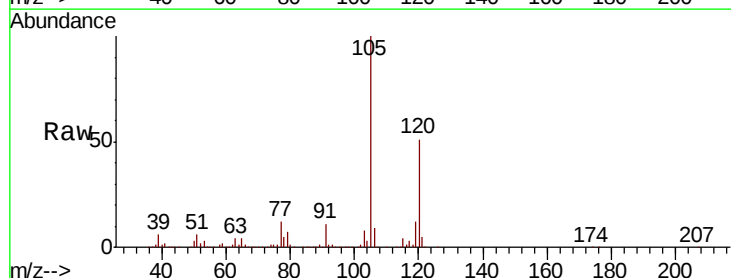
Acq: 20 May 2019 19:14

Tgt Ion:105 Resp: 378602

Ion Ratio Lower Upper

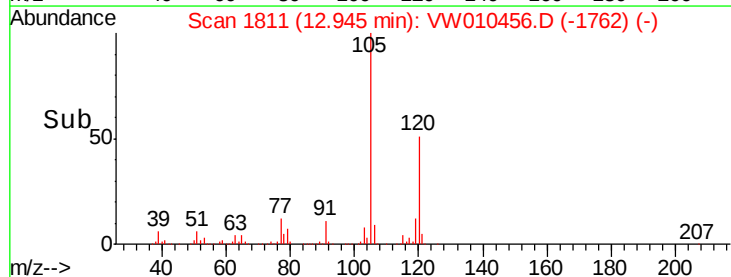
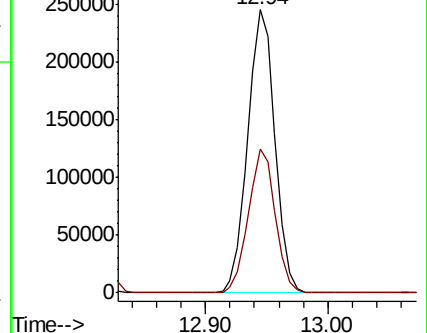
105 100

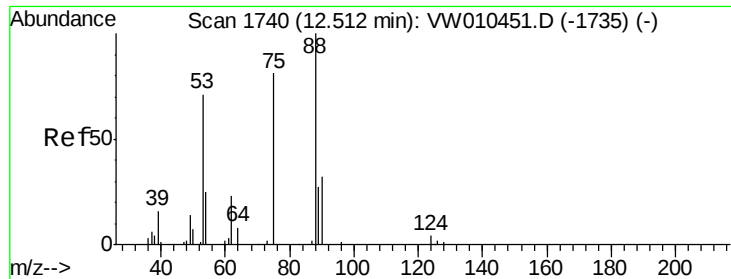
120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

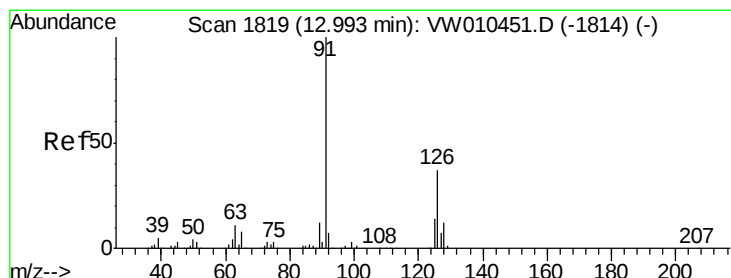
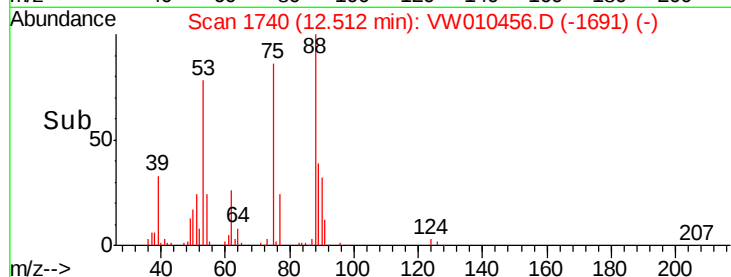
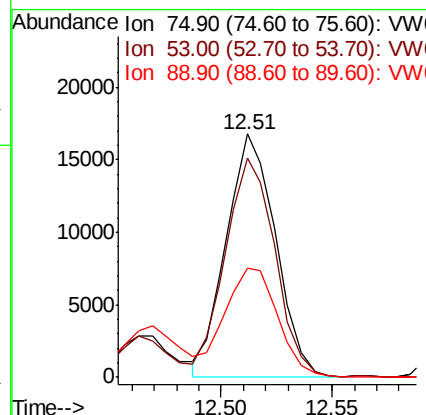
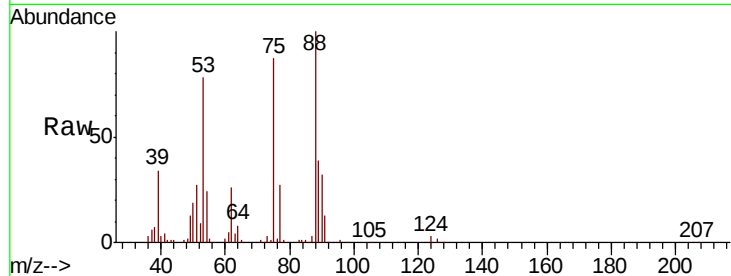




#81
trans-1,4-Dichloro-2-butene
Concen: 50.337 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

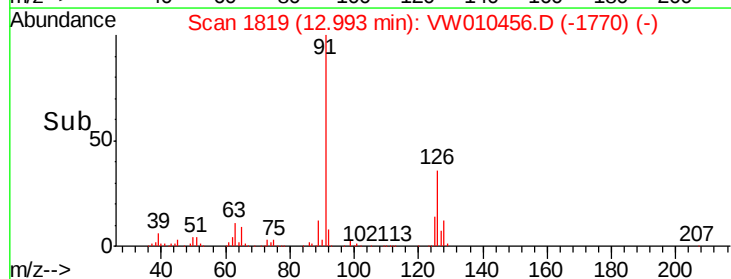
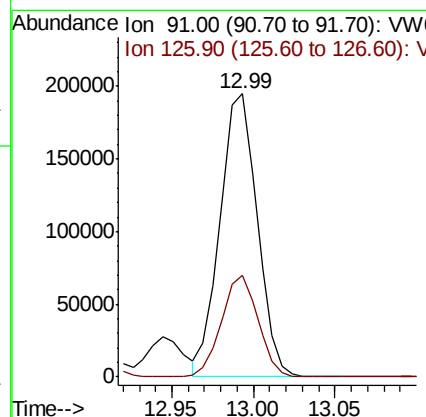
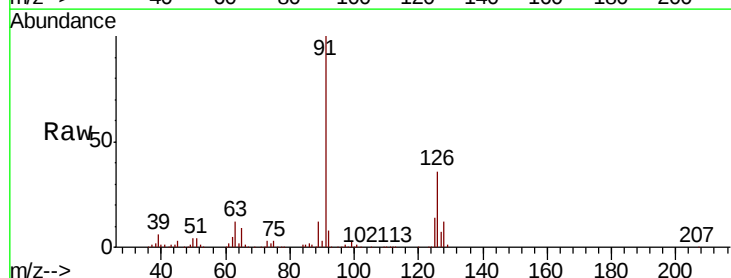
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

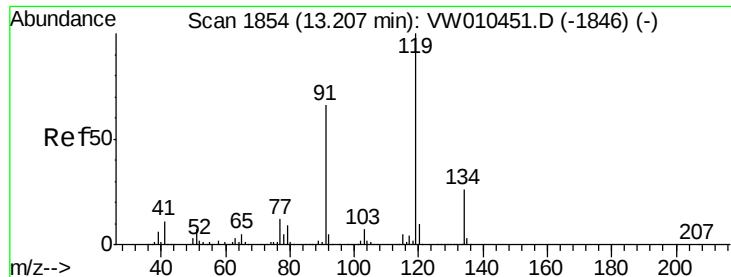
Tot Ion: 75 Resp: 25740
Ion Ratio Lower Upper
75 100
53 91.7 69.8 104.8
89 49.0 39.5 59.3



#82
4-Chlorotoluene
Concen: 53.016 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 91 Resp: 310274
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

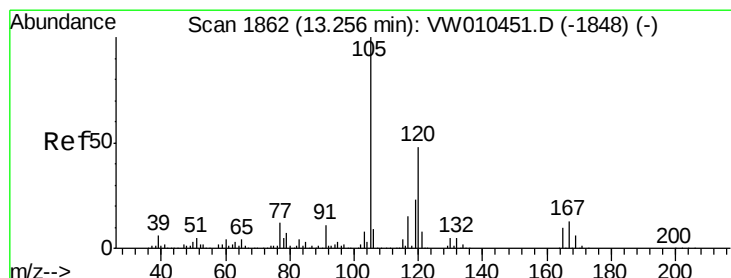
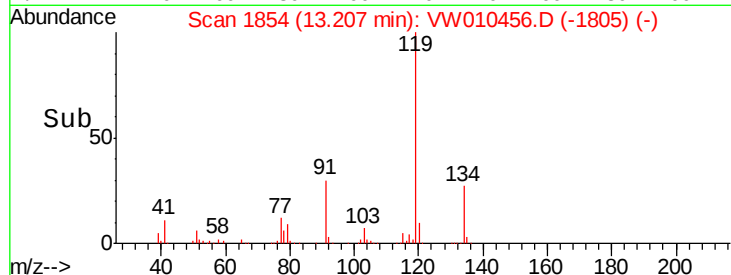
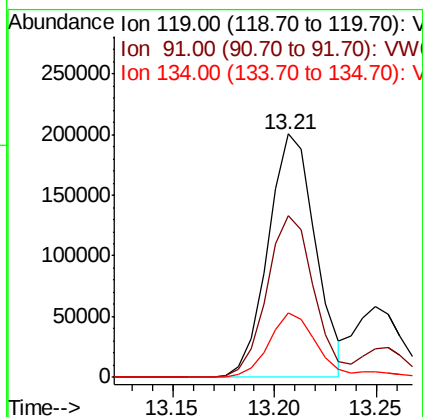
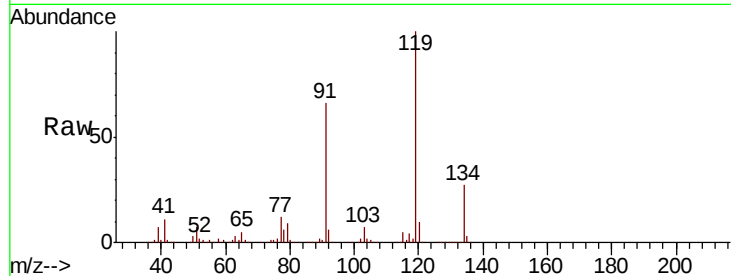




#83
 tert-Butylbenzene
 Concen: 52.617 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

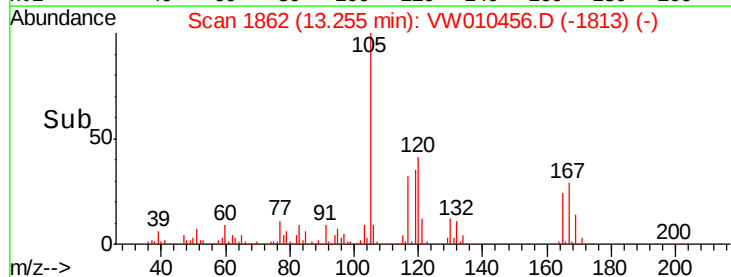
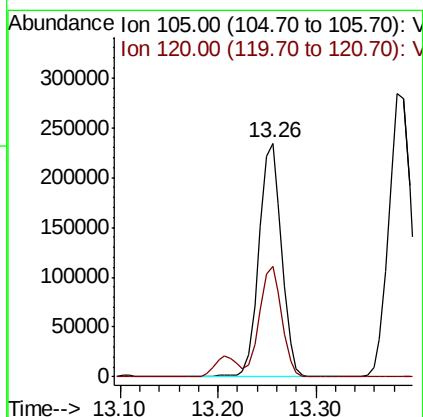
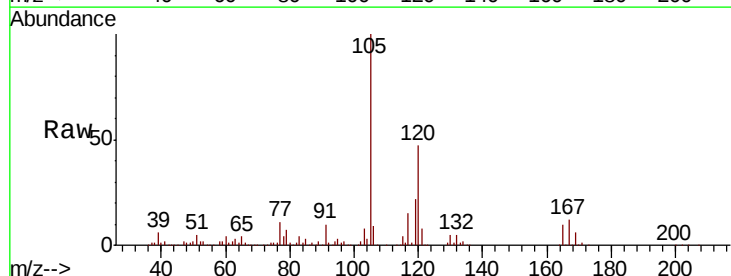
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

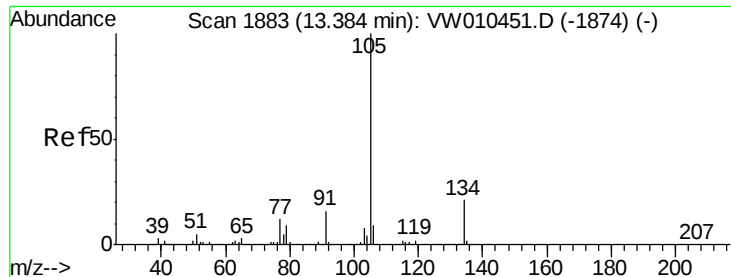
Tot Ion:119 Resp: 324763
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.1 99.5
 134 27.9 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.217 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion:105 Resp: 374513
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.2





#85

sec-Butylbenzene

Concen: 52.838 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

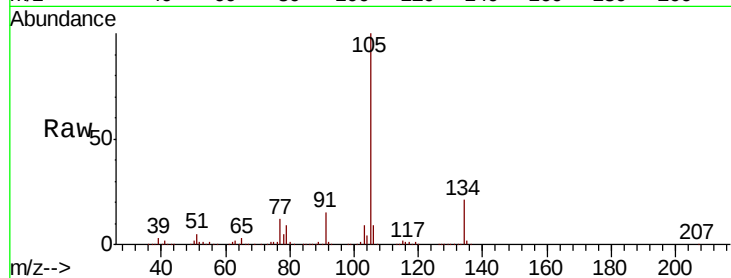
VSTDCCC050

Tot Ion:105 Resp: 456391

Ion Ratio Lower Upper

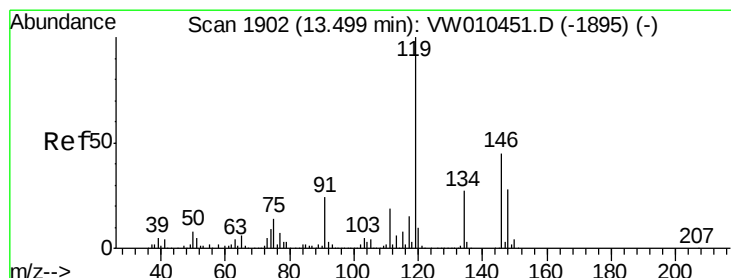
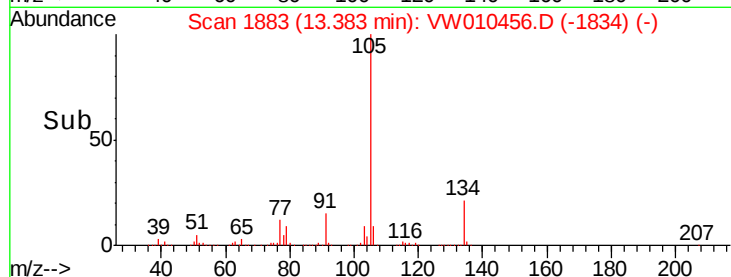
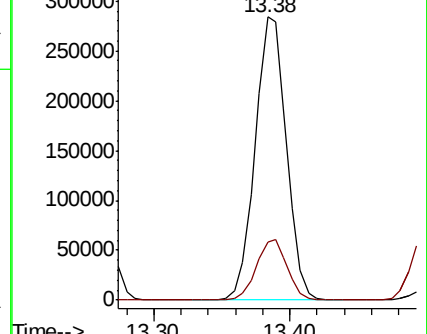
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.066 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

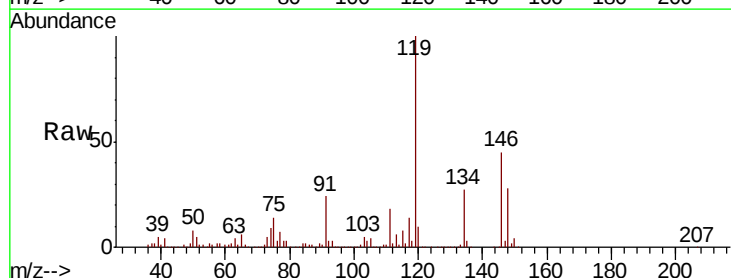
Tgt Ion:119 Resp: 414878

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

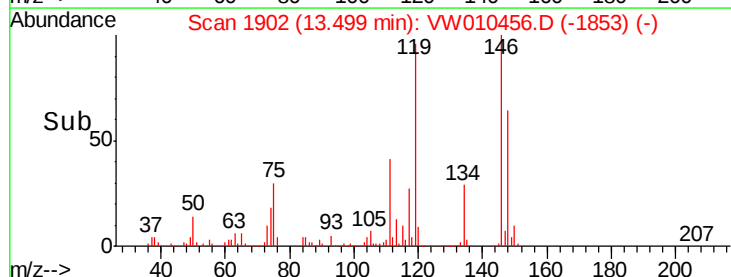
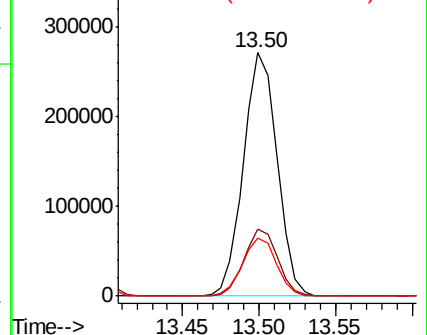
91 24.1 11.9 35.7

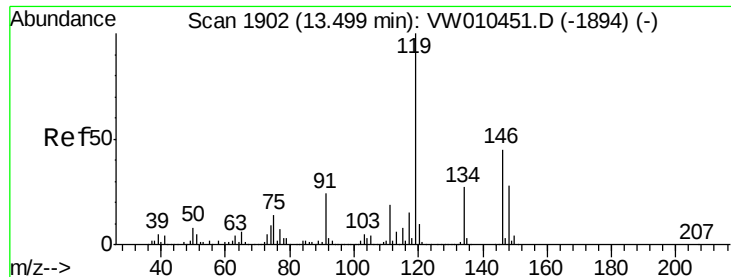


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.320 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

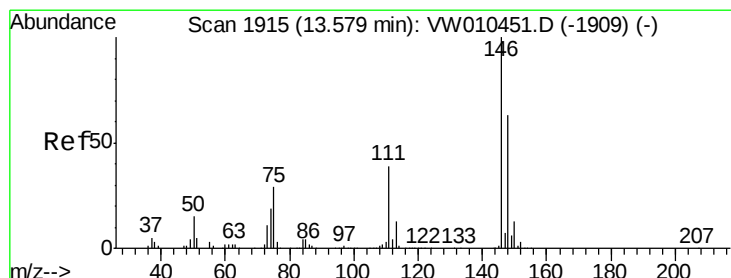
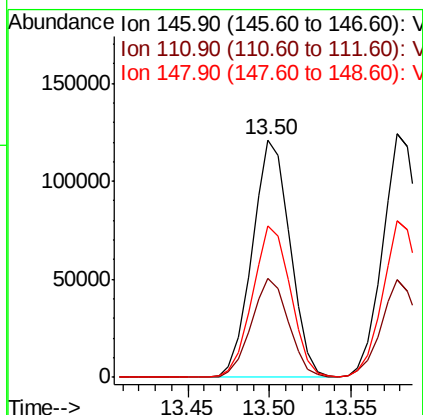
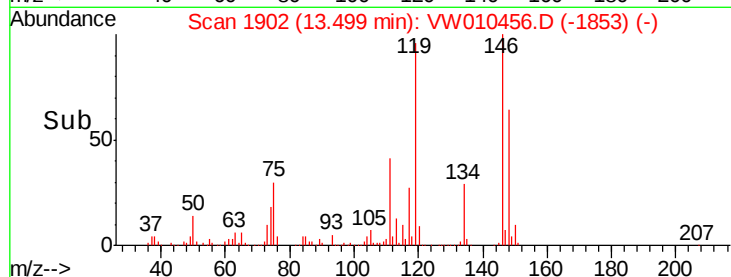
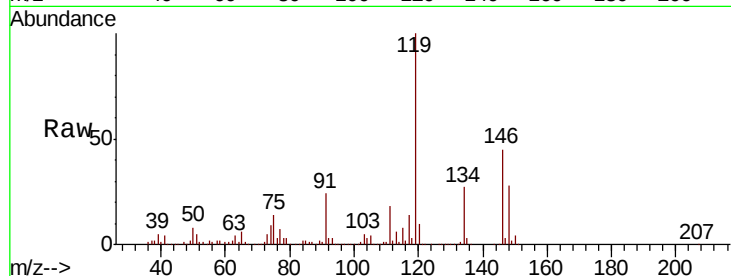
Tot Ion:146 Resp: 195309

Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.9

148 64.2 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 53.692 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

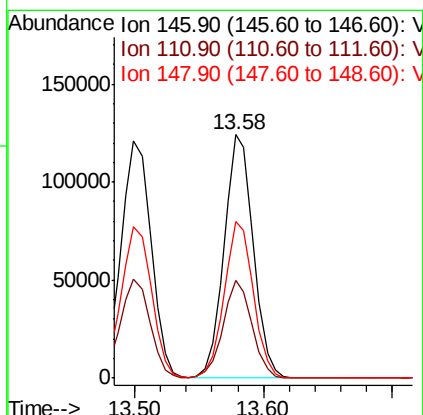
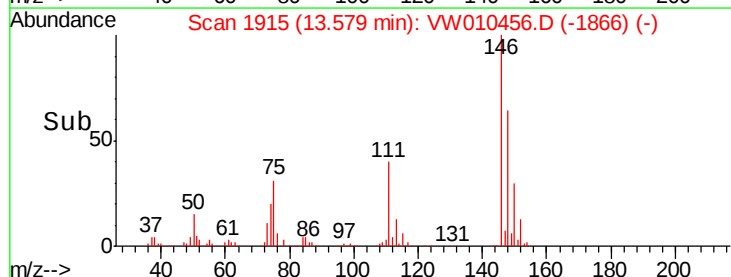
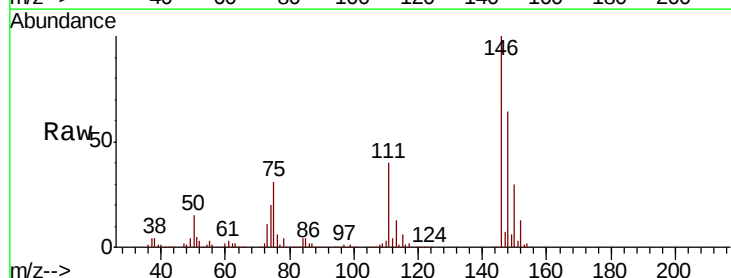
Tgt Ion:146 Resp: 197322

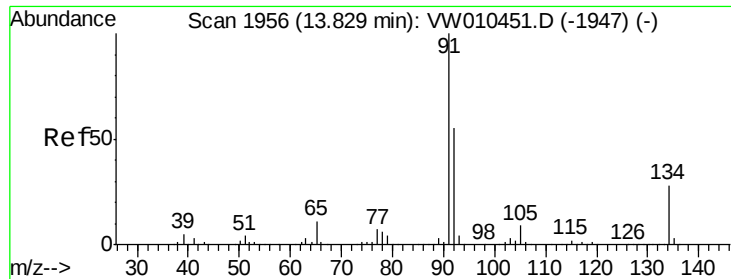
Ion Ratio Lower Upper

146 100

111 39.9 19.9 59.6

148 64.0 31.6 94.8





#89

n-Butylbenzene

Concen: 53.242 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

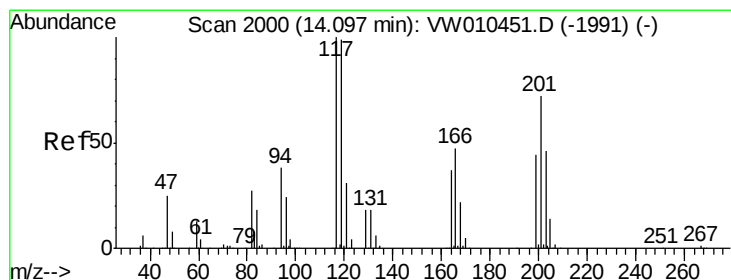
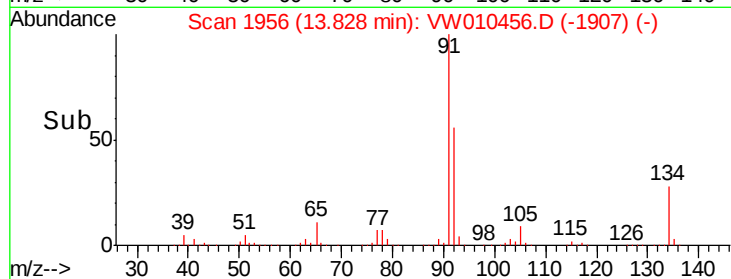
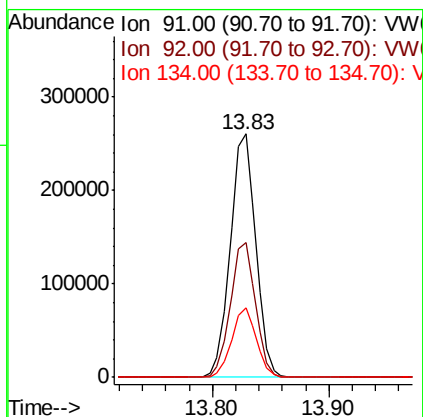
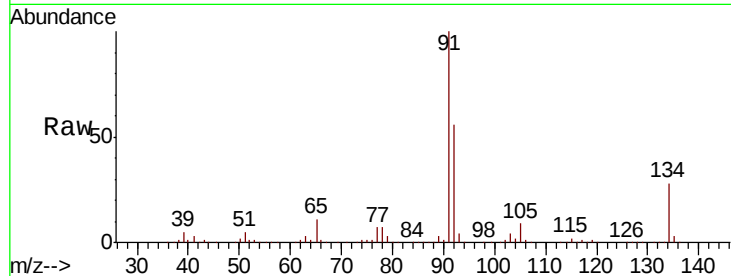
Tot Ion: 91 Resp: 395936

Ion Ratio Lower Upper

91 100

92 54.8 27.7 83.1

134 27.8 13.9 41.6



#90

Hexachloroethane

Concen: 54.235 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010456.D

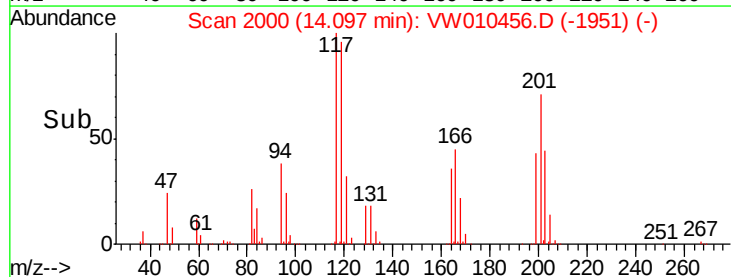
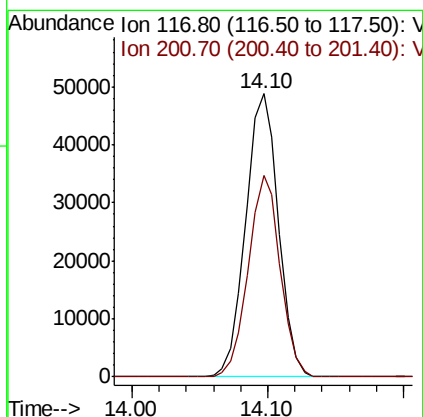
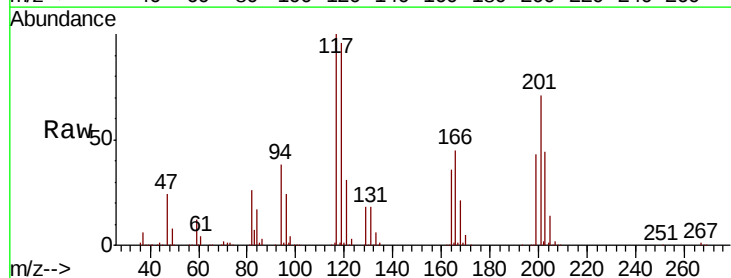
Acq: 20 May 2019 19:14

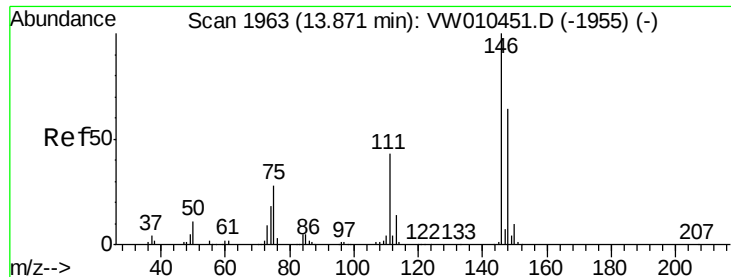
Tgt Ion: 117 Resp: 82072

Ion Ratio Lower Upper

117 100

201 69.7 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 53.468 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

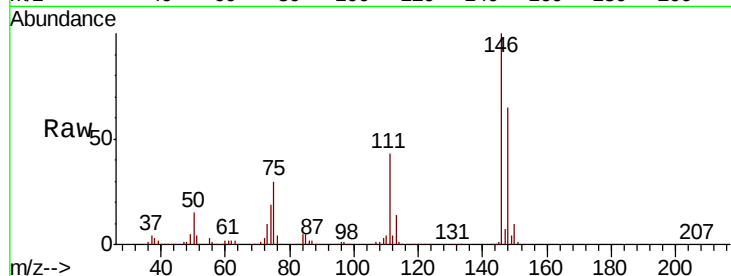
Tot Ion:146 Resp: 178451

Ion Ratio Lower Upper

146 100

111 42.7 21.3 64.0

148 64.0 32.0 96.0

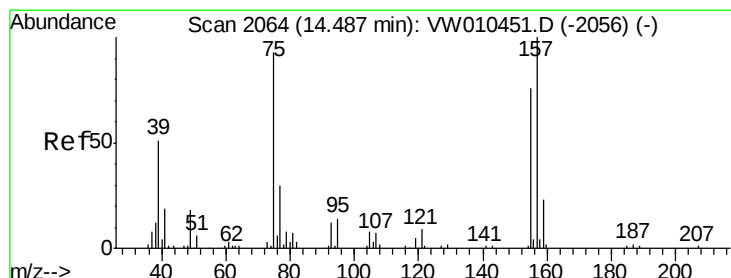
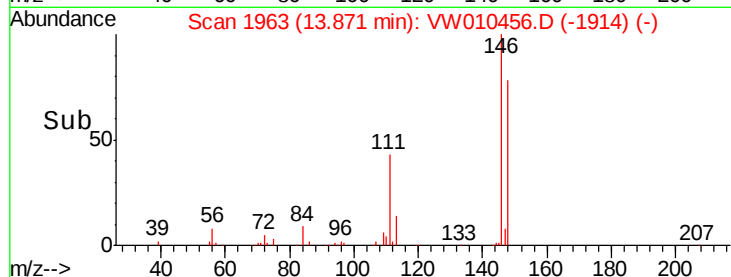
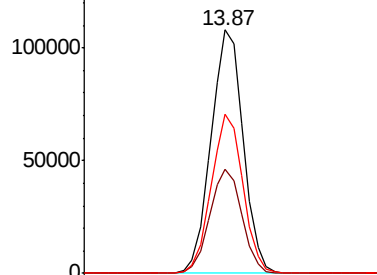


Abundance

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: 51.027 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

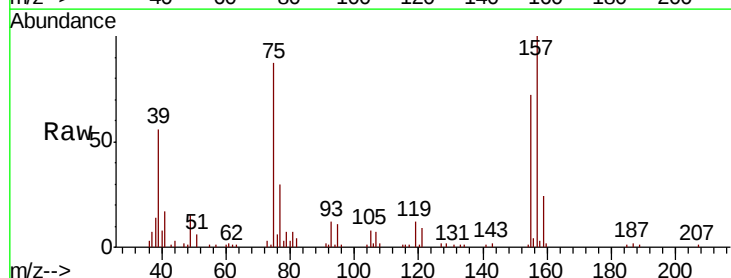
Tgt Ion: 75 Resp: 14398

Ion Ratio Lower Upper

75 100

155 86.1 43.0 129.0

157 111.0 55.7 167.1

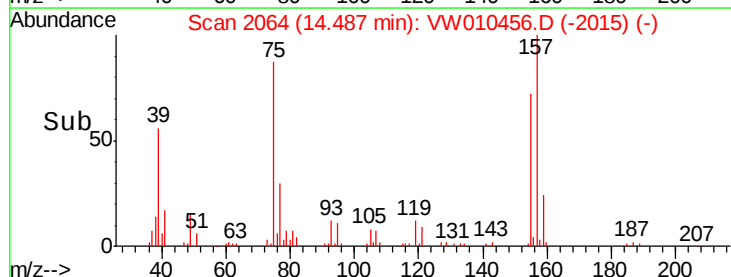
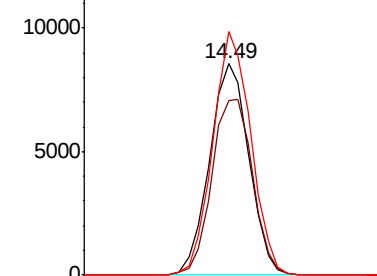


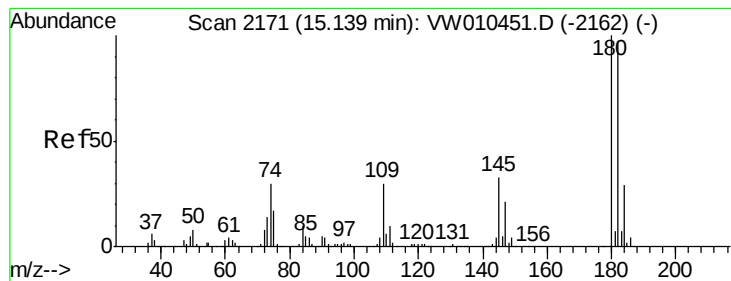
Abundance

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: 53.726 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

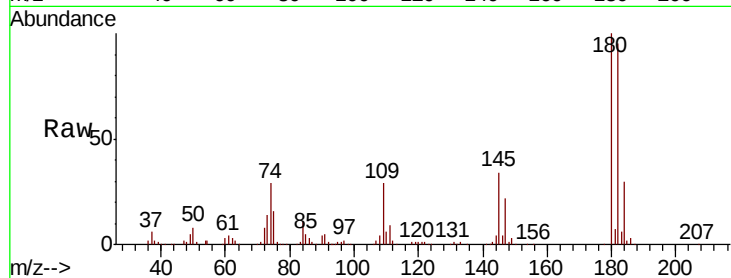
Tot Ion:180 Resp: 122001

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.2

145 34.7 16.7 50.0

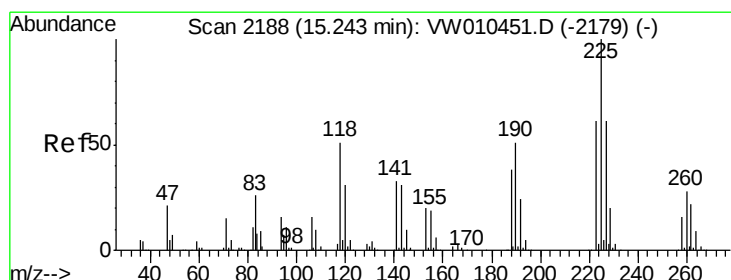
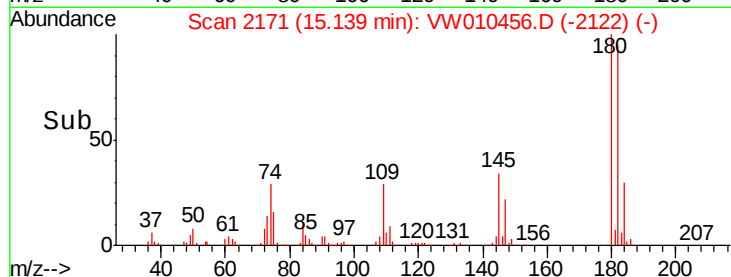
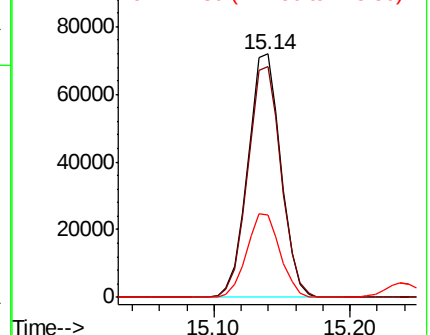


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 54.486 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

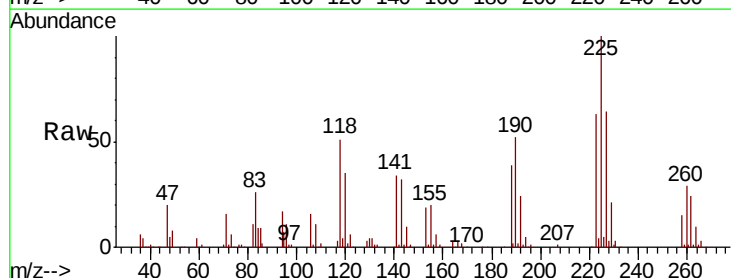
Tgt Ion:225 Resp: 66098

Ion Ratio Lower Upper

225 100

223 62.7 31.1 93.2

227 63.5 31.1 93.5

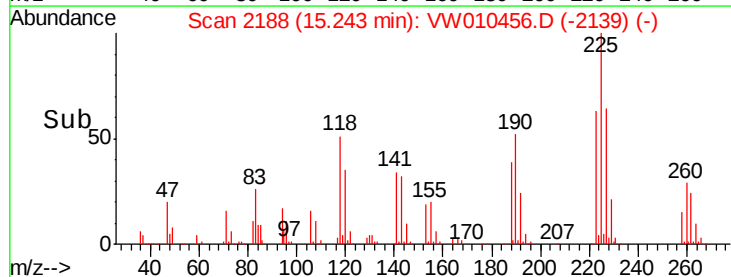
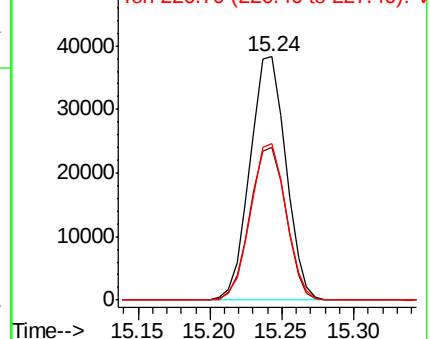


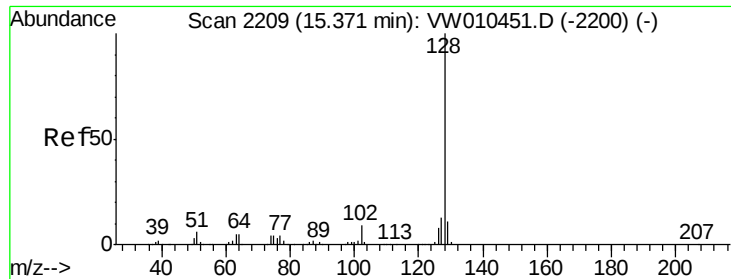
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

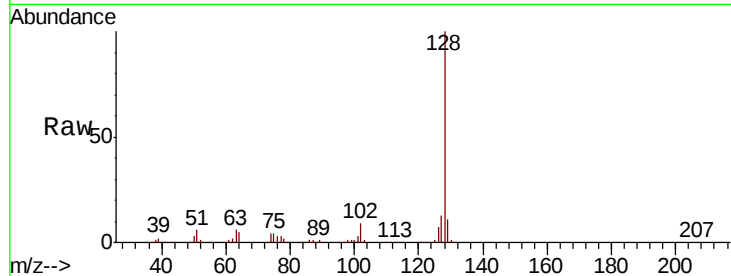




#95
Naphthalene
Concen: 53.781 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.9	8.9	13.3

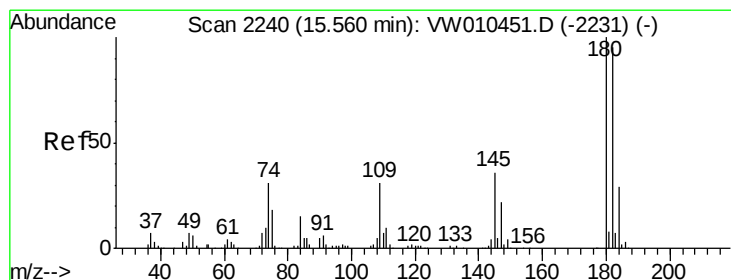
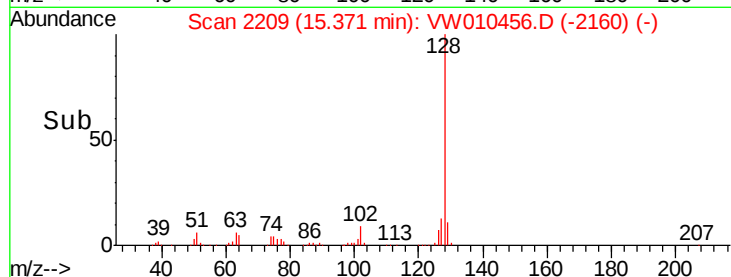
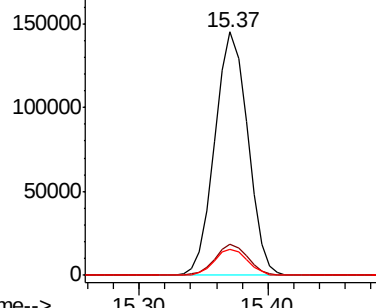


Abundance

Ion 128.00 (127.70 to 128.70): V

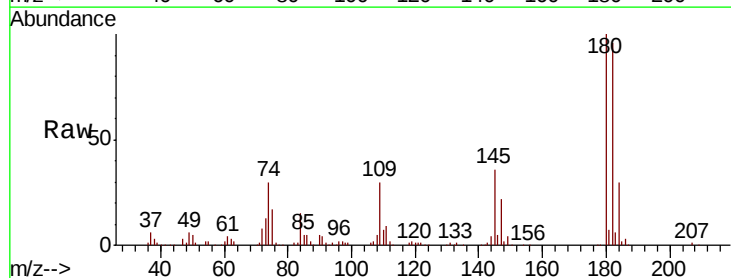
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.752 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.3
145	36.1	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

