

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010560.D
 Acq On : 28 May 2019 11:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 29 06:58:42 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	158390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	250747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109487	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	72371	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
35) Dibromofluoromethane	7.88	113	79211	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.32	98	295392	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.62	95	111865	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	65357	46.296	ug/l	98
3) Chloromethane	2.21	50	70360	42.280	ug/l	99
4) Vinyl Chloride	2.36	62	80849	41.942	ug/l	99
5) Bromomethane	2.75	94	54813	41.334	ug/l	97
6) Chloroethane	2.91	64	55100	44.528	ug/l	98
7) Trichlorofluoromethane	3.25	101	141779	49.819	ug/l	97
8) Diethyl Ether	3.68	74	41179	45.646	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87889	50.147	ug/l	95
10) Methyl Iodide	4.27	142	100170	50.004	ug/l	97
11) Tert butyl alcohol	5.16	59	35875	243.958	ug/l	96
12) 1,1-Dichloroethene	4.03	96	82592	49.367	ug/l	96
13) Acrolein	3.89	56	23287	273.902	ug/l	98
14) Allyl chloride	4.67	41	114558	47.305	ug/l	100
15) Acrylonitrile	5.36	53	82661	218.789	ug/l	98
16) Acetone	4.12	43	87584	262.455	ug/l	99
17) Carbon Disulfide	4.37	76	232741	46.640	ug/l	99
18) Methyl Acetate	4.67	43	33438	40.970	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197514	46.310	ug/l	99
20) Methylene Chloride	4.92	84	83317	41.710	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	93562	48.756	ug/l	97
22) Diisopropyl ether	6.31	45	228710	46.059	ug/l	99
23) Vinyl Acetate	6.25	43	682179	229.988	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143086	48.287	ug/l	98
25) 2-Butanone	7.17	43	114371	239.485	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145318	51.483	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	102085	48.931	ug/l	99
28) Bromochloromethane	7.51	49	51737	48.765	ug/l	88
29) Tetrahydrofuran	7.52	42	67289	208.222	ug/l	97
30) Chloroform	7.68	83	154257	48.262	ug/l	99
31) Cyclohexane	7.95	56	140033	45.114	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	151868	49.713	ug/l	98
36) 1,1-Dichloropropene	8.08	75	123735	52.973	ug/l	99
37) Ethyl Acetate	7.25	43	48956	49.286	ug/l	99
38) Carbon Tetrachloride	8.06	117	138893	55.121	ug/l	97

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39) Methylcyclohexane	9.34	83	168641	53.888	ug/l	99
40) Benzene	8.32	78	341663	52.626	ug/l	100
41) Methacrylonitrile	7.48	41	27846	47.181	ug/l	99
42) 1,2-Dichloroethane	8.40	62	94008	50.663	ug/l	99
43) Isopropyl Acetate	8.42	43	94161	47.450	ug/l	99
44) Trichloroethene	9.09	130	108029	56.048	ug/l	95
45) 1,2-Dichloropropane	9.37	63	80097	51.946	ug/l	98
46) Dibromomethane	9.46	93	46236	51.274	ug/l	93
47) Bromodichloromethane	9.65	83	118376	52.239	ug/l	98
48) Methyl methacrylate	9.43	41	45510	50.130	ug/l	93
49) 1,4-Dioxane	9.45	88	13322	904.380	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236976	235.669	ug/l	100
52) Toluene	10.39	92	230108	52.776	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118012	51.421	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	138653	52.900	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	65866	50.795	ug/l	99
56) Ethyl methacrylate	10.65	69	85970	48.071	ug/l	98
57) 1,3-Dichloropropane	10.93	76	110643	50.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	198924	251.126	ug/l	97
59) 2-Hexanone	10.97	43	173798	242.293	ug/l	99
60) Dibromochloromethane	11.13	129	86853	52.923	ug/l	100
61) 1,2-Dibromoethane	11.23	107	66564	50.675	ug/l	99
64) Tetrachloroethene	10.86	164	88280	57.452	ug/l	96
65) Chlorobenzene	11.66	112	252546	53.758	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	92049	54.698	ug/l	99
67) Ethyl Benzene	11.73	91	440385	53.096	ug/l	100
68) m/p-Xylenes	11.84	106	350424	107.716	ug/l	98
69) o-Xylene	12.16	106	164079	53.233	ug/l	98
70) Styrene	12.18	104	278909	53.331	ug/l	99
71) Bromoform	12.35	173	49723	53.655	ug/l #	100
73) Isopropylbenzene	12.47	105	455103	52.382	ug/l	99
74) N-amyl acetate	12.27	43	90992	45.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	73788	46.693	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	96114	86.483	ug/l	29
77) Bromobenzene	12.75	156	106595	54.826	ug/l	94
78) n-propylbenzene	12.80	91	521197	51.476	ug/l	99
79) 2-Chlorotoluene	12.90	91	297770	50.713	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	379195	51.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25746	48.348	ug/l	98
82) 4-Chlorotoluene	12.99	91	310044	50.872	ug/l	98
83) tert-Butylbenzene	13.21	119	348047	54.149	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	375585	51.248	ug/l	99
85) sec-Butylbenzene	13.38	105	471220	52.387	ug/l	99
86) p-Isopropyltoluene	13.50	119	429349	52.735	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	203115	53.248	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204202	53.356	ug/l	99
89) n-Butylbenzene	13.83	91	401414	51.834	ug/l	99
90) Hexachloroethane	14.10	117	84771	53.793	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	184703	53.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13389	45.566	ug/l	94

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

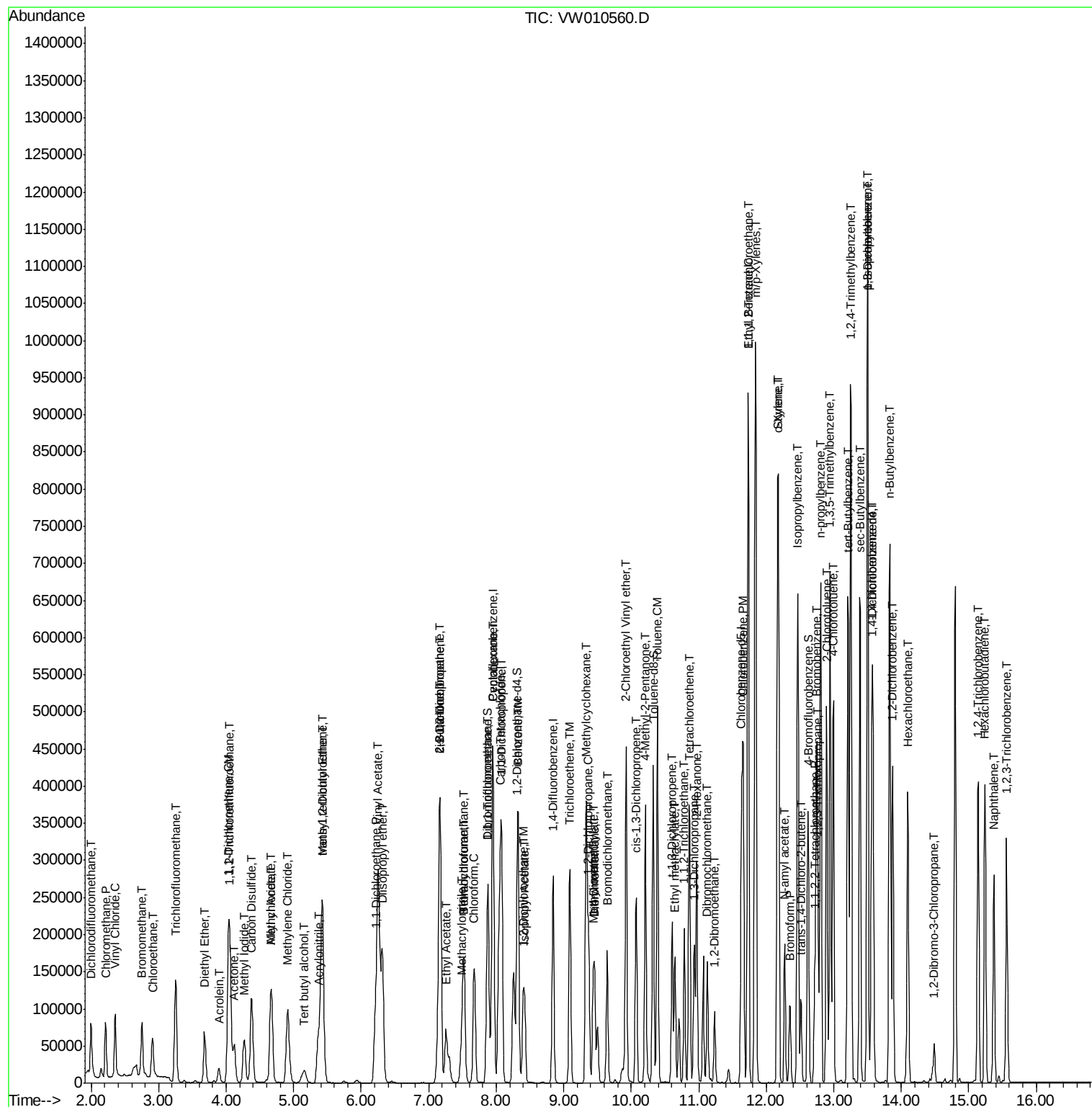
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	136453	57.702	ug/l	99
94) Hexachlorobutadiene	15.24	225	76298	60.395	ug/l	98
95) Naphthalene	15.37	128	250179	50.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	116583	57.294	ug/l	100

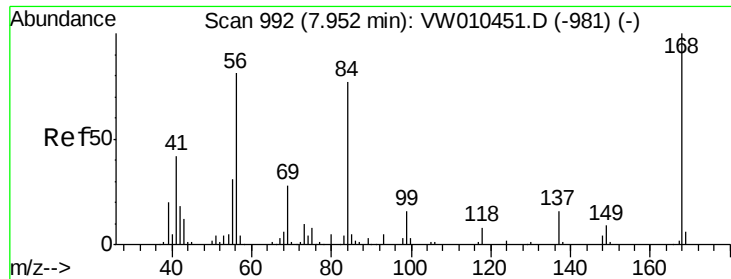
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

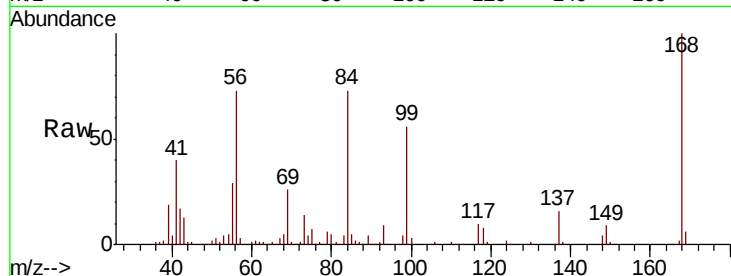
VSTDCCC050

Tot Ion:168 Resp: 158390

Ion Ratio Lower Upper

168 100

99 55.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

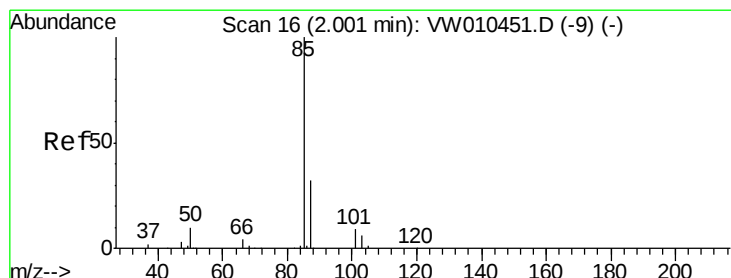
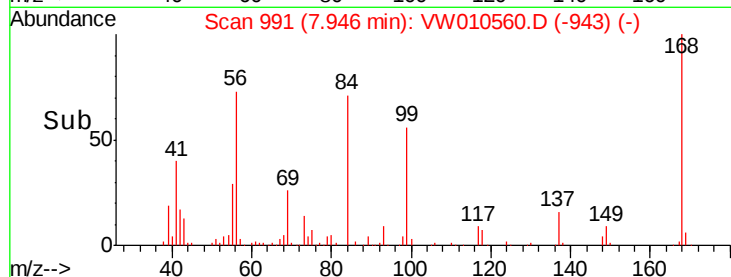
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.296 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010560.D

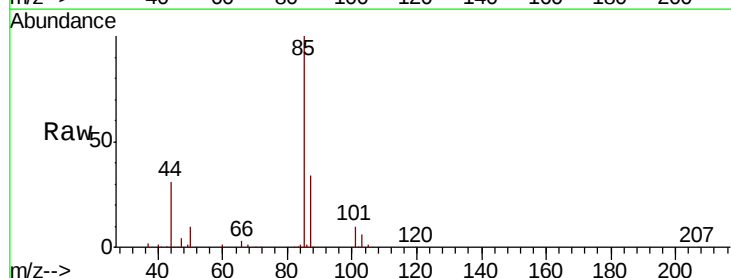
Acq: 28 May 2019 11:46

Tgt Ion: 85 Resp: 65357

Ion Ratio Lower Upper

85 100

87 33.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

20000

10000

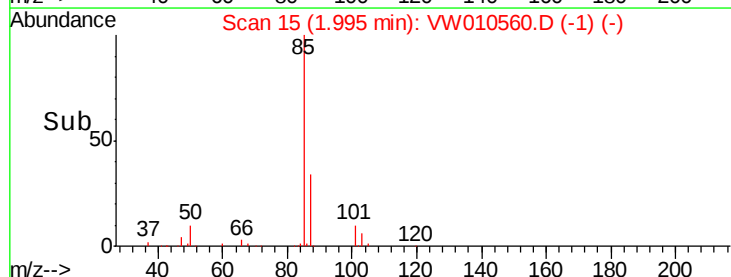
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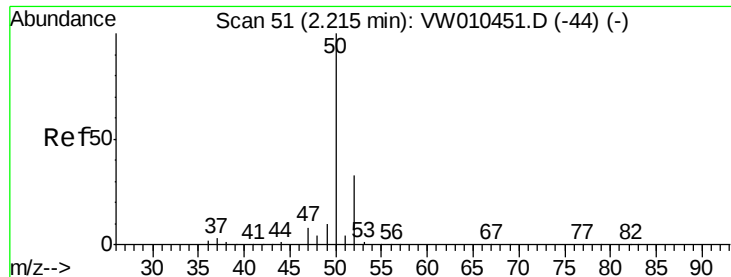
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 42.280 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

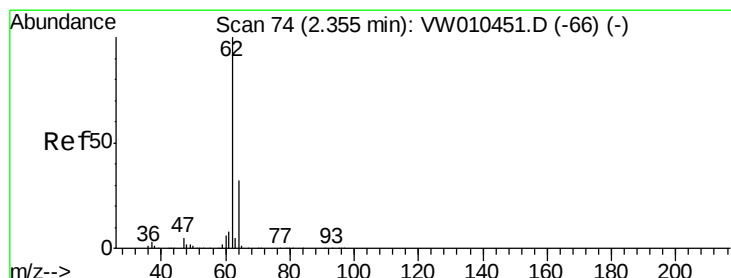
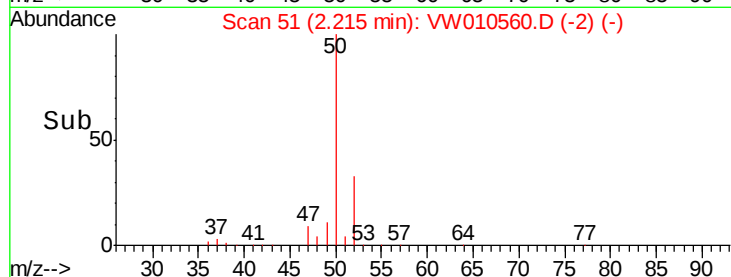
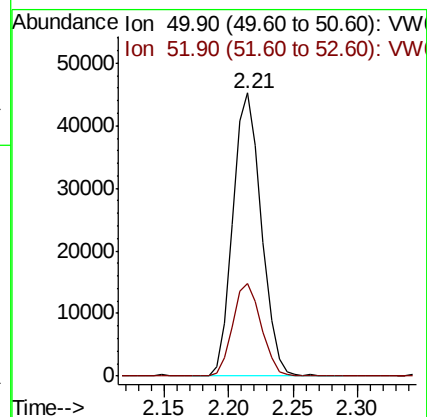
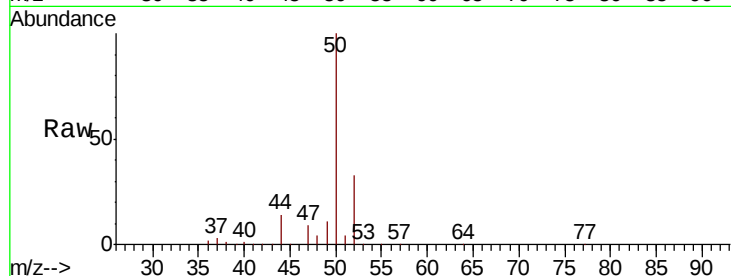
VSTDCCC050

Tot Ion: 50 Resp: 70360

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 41.942 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010560.D

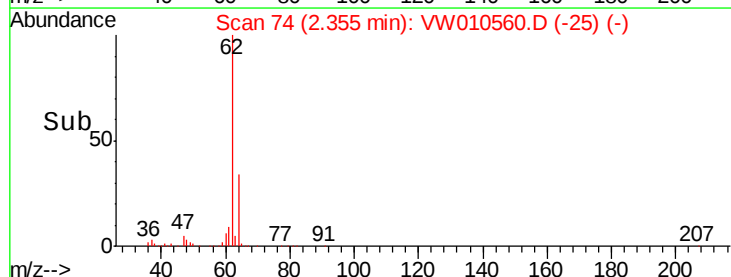
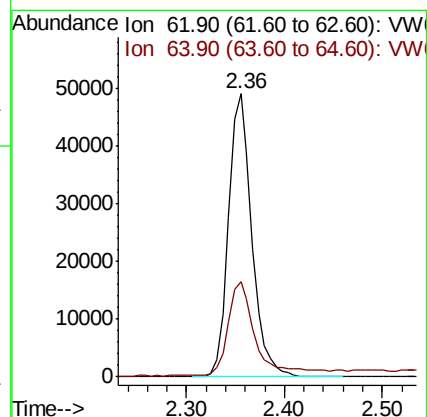
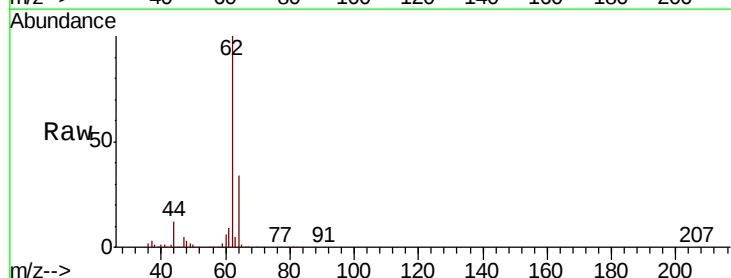
Acq: 28 May 2019 11:46

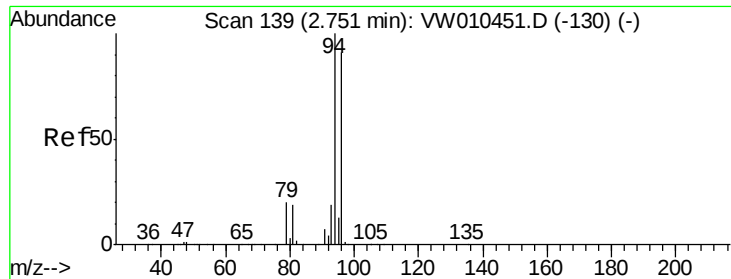
Tgt Ion: 62 Resp: 80849

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 41.334 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

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ClientSampleId :

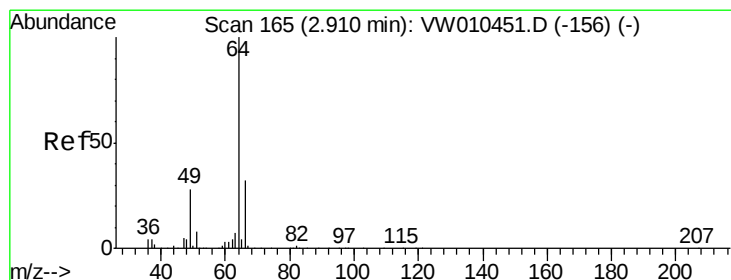
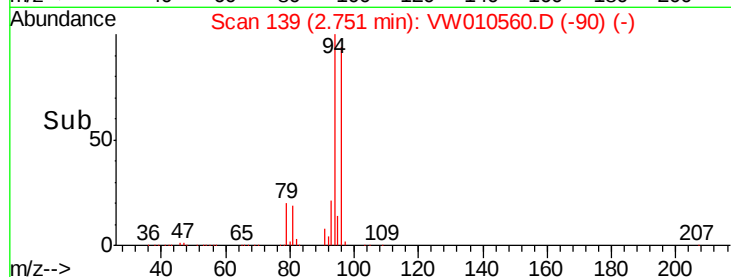
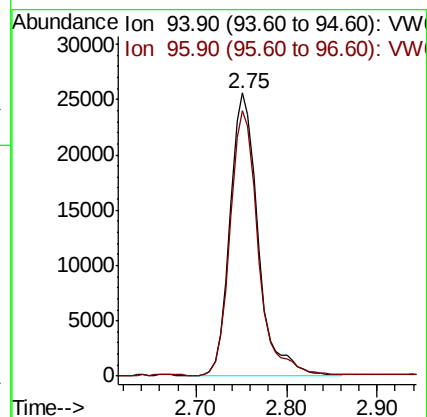
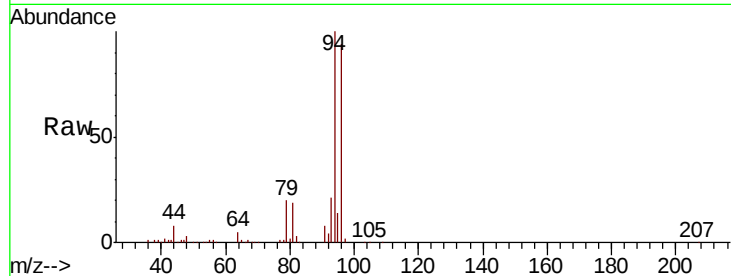
VSTDCCC050

Tot Ion: 94 Resp: 54813

Ion Ratio Lower Upper

94 100

96 93.8 72.9 109.3



#6

Chloroethane

Concen: 44.528 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010560.D

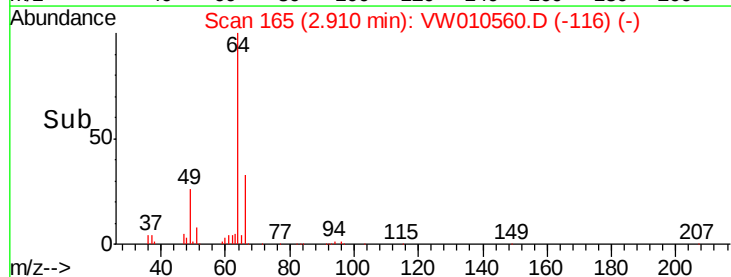
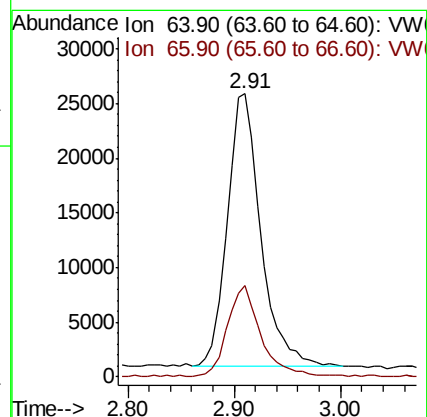
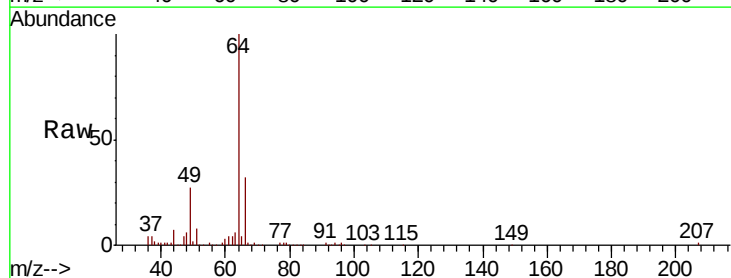
Acq: 28 May 2019 11:46

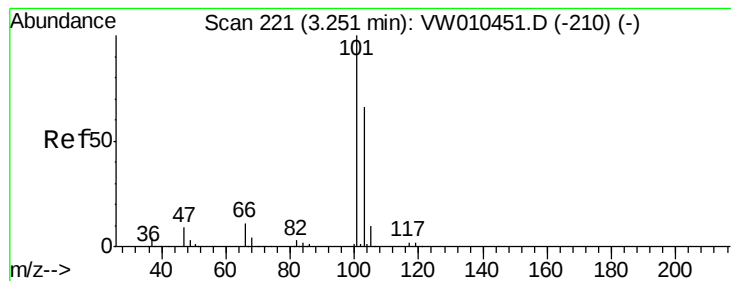
Tgt Ion: 64 Resp: 55100

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3



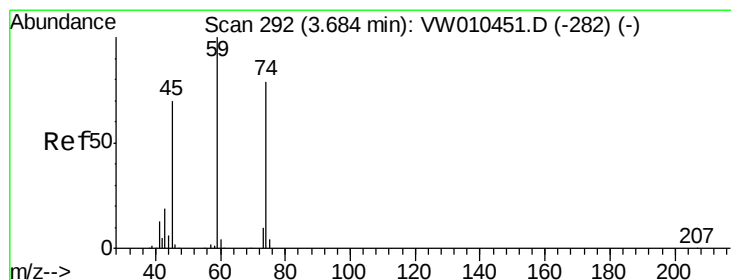
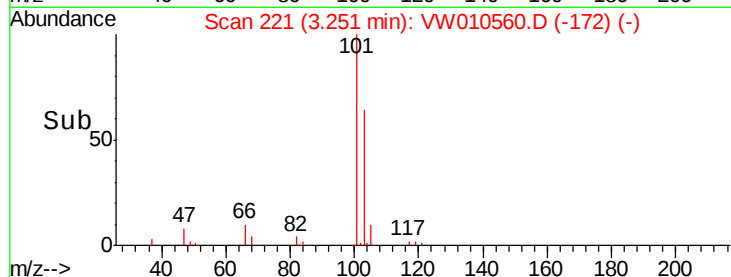
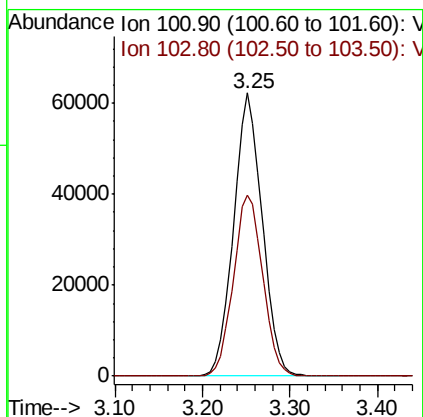
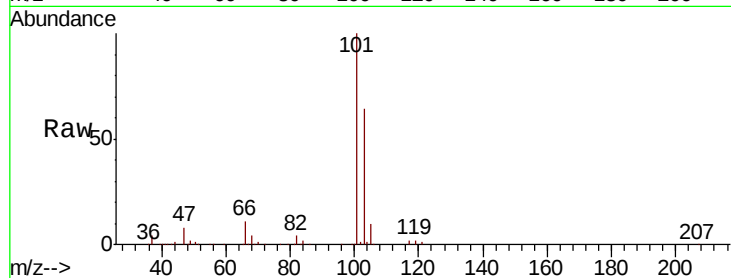


#7

Trichlorofluoromethane
 Concen: 49.819 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010560.D
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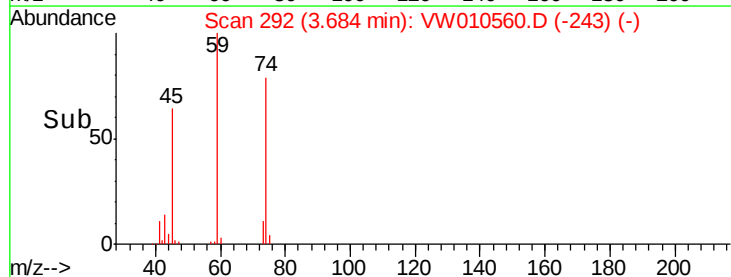
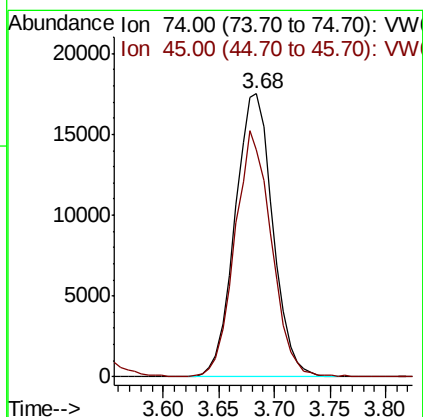
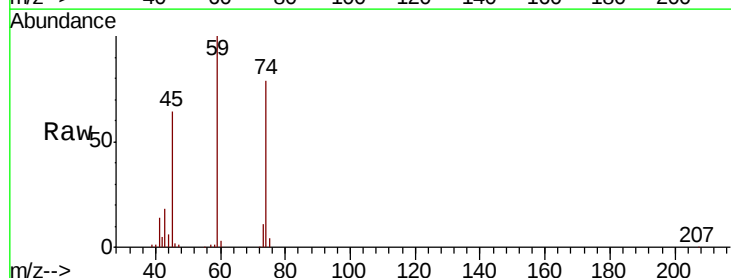
Tot Ion:101 Resp: 141779
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.0 79.4

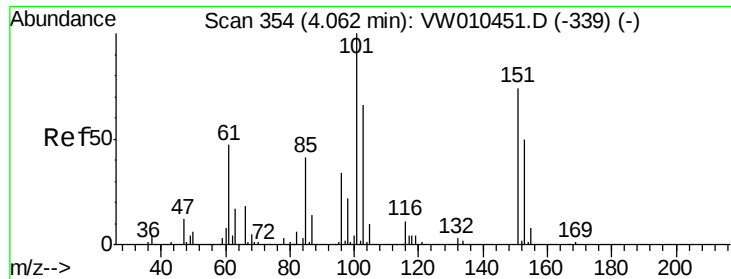


#8

Diethyl Ether
 Concen: 45.646 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 74 Resp: 41179
 Ion Ratio Lower Upper
 74 100
 45 84.4 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.147 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

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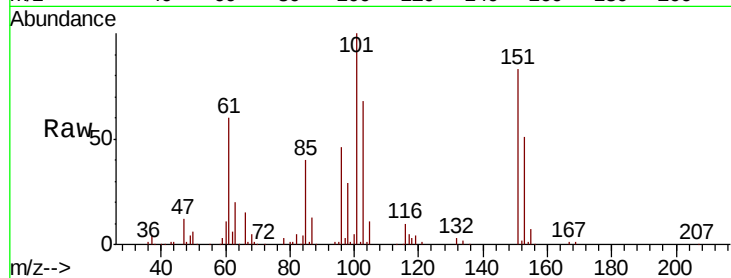
Tot Ion:101 Resp: 87889

Ion Ratio Lower Upper

101 100

85 41.0 34.3 51.5

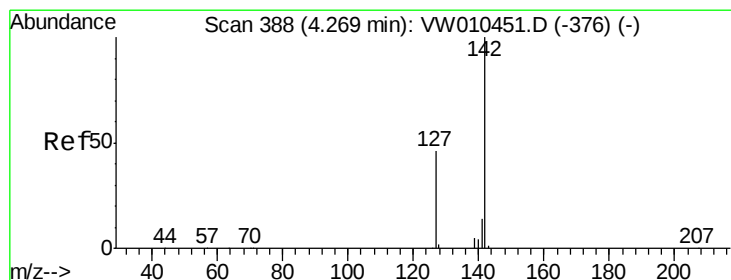
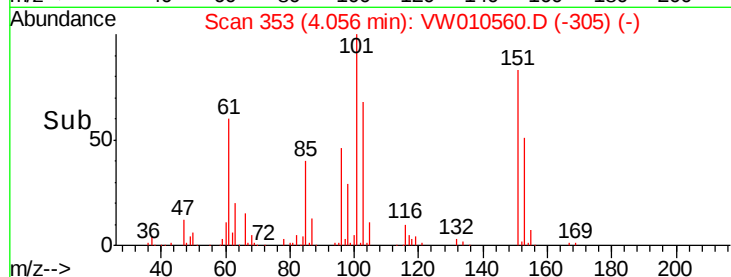
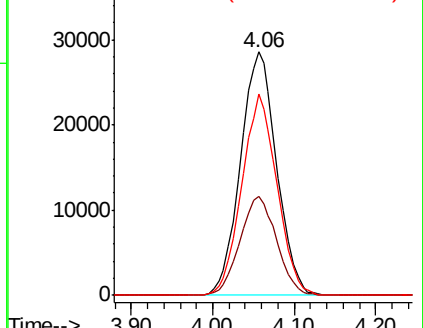
151 80.2 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.004 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

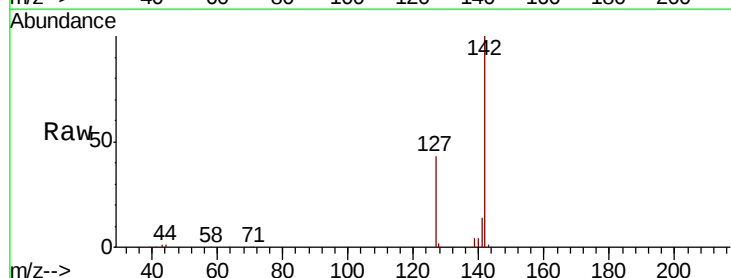
Tgt Ion:142 Resp: 100170

Ion Ratio Lower Upper

142 100

127 42.6 36.1 54.1

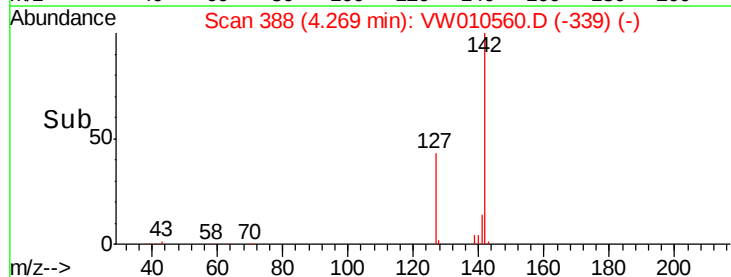
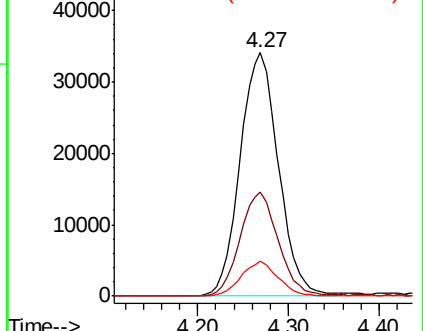
141 13.8 11.3 16.9

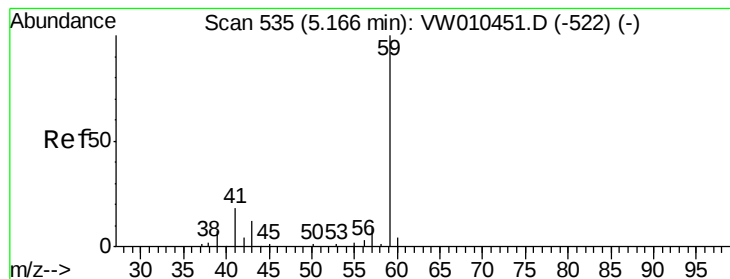


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



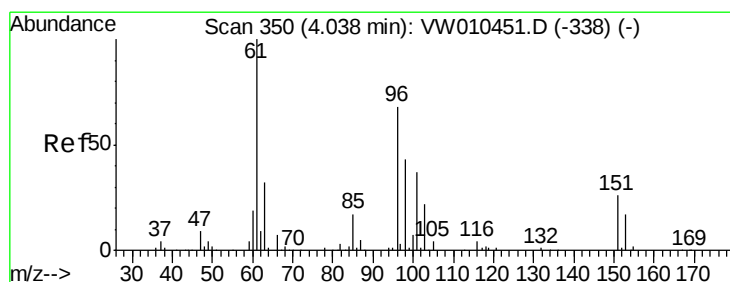
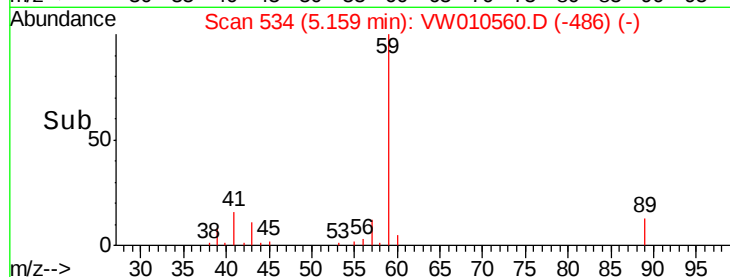
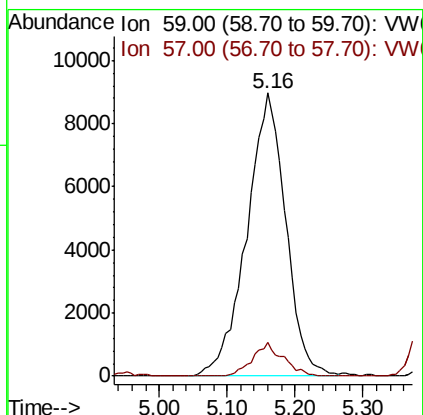
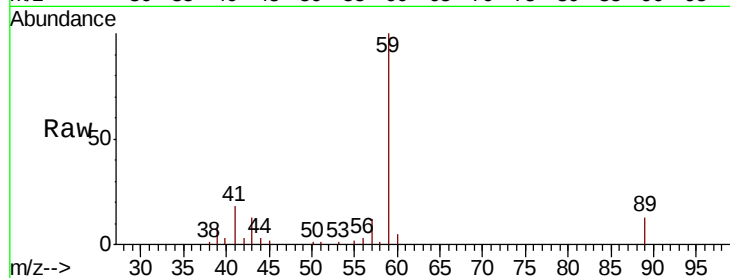


#11

Tert butyl alcohol
 Concen: 243.958 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

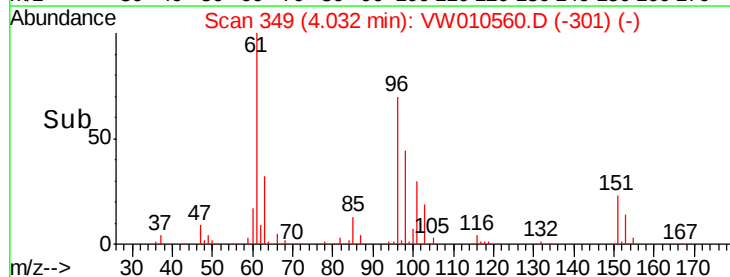
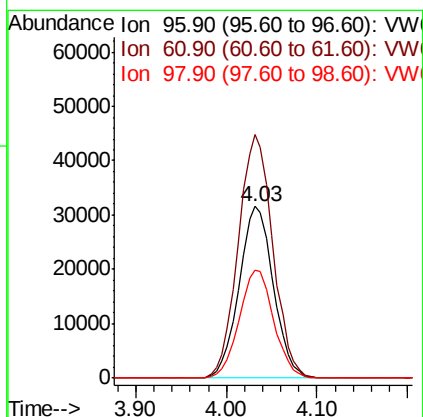
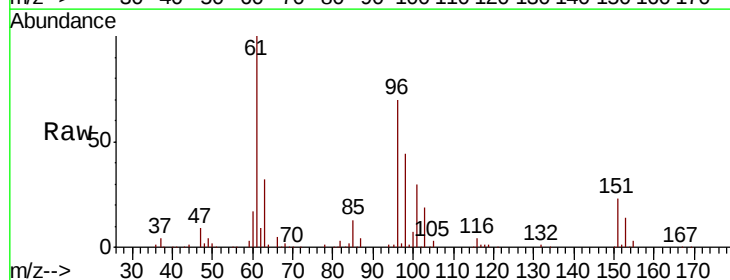
Tot Ion: 59 Resp: 35875
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.8 13.2

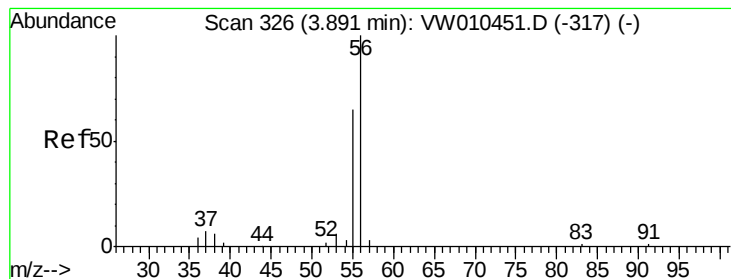


#12

1,1-Dichloroethene
 Concen: 49.367 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 96 Resp: 82592
 Ion Ratio Lower Upper
 96 100
 61 142.0 118.3 177.5
 98 63.0 51.0 76.6





#13

Acrolein

Concen: 273.902 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

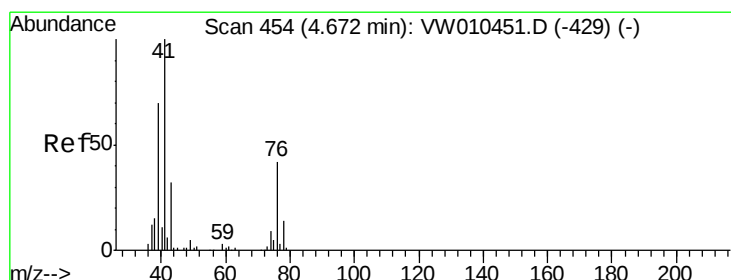
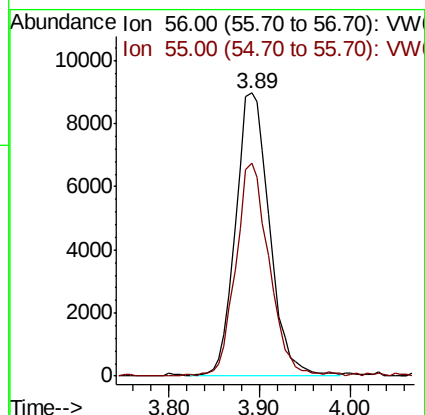
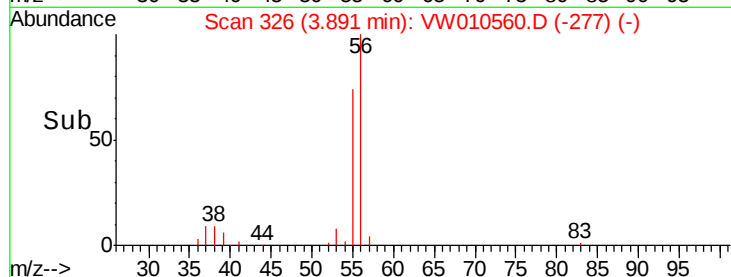
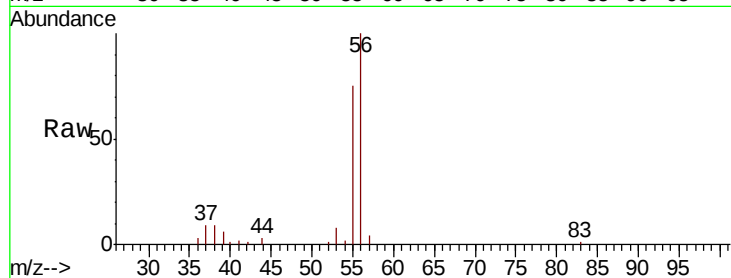
VSTDCCC050

Tot Ion: 56 Resp: 23287

Ion Ratio Lower Upper

56 100

55 73.7 57.9 86.9



#14

Allyl chloride

Concen: 47.305 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

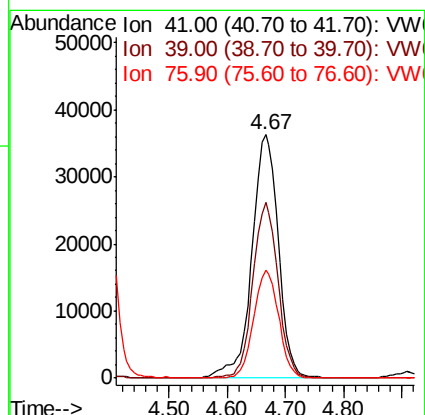
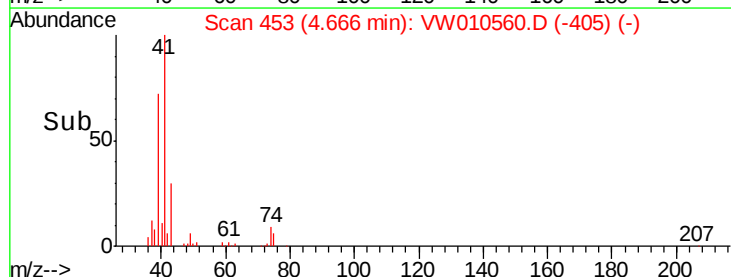
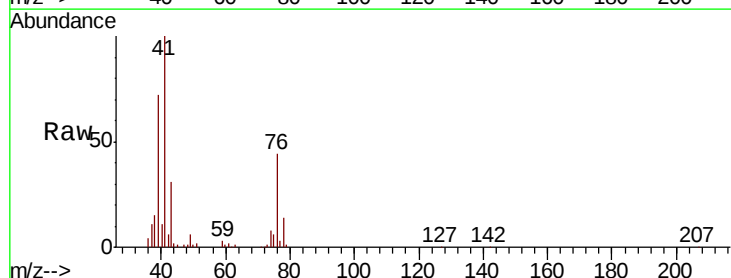
Tgt Ion: 41 Resp: 114558

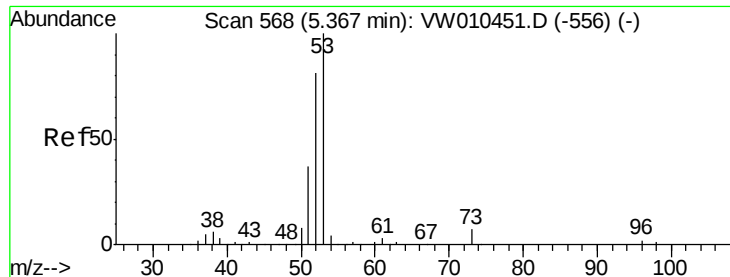
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.4

76 41.6 32.8 49.2





#15

Acrylonitrile

Concen: 218.789 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

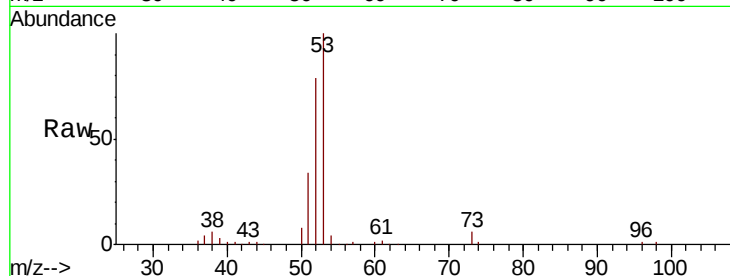
Tot Ion: 53 Resp: 82661

Ion Ratio Lower Upper

53 100

52 80.0 65.6 98.4

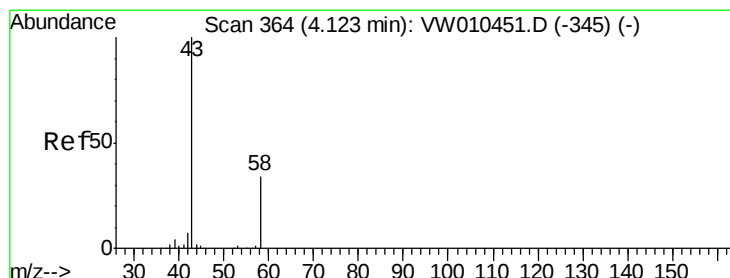
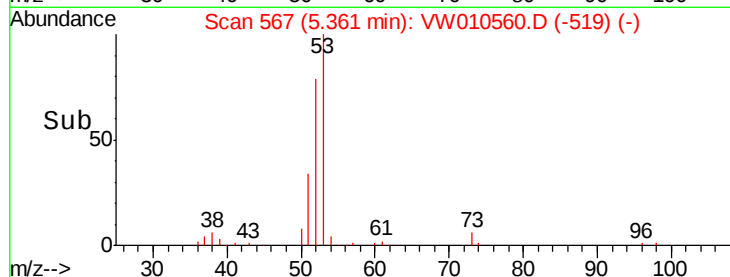
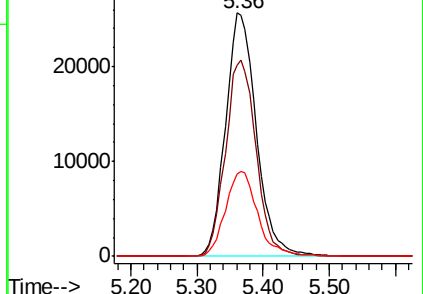
51 36.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 262.455 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010560.D

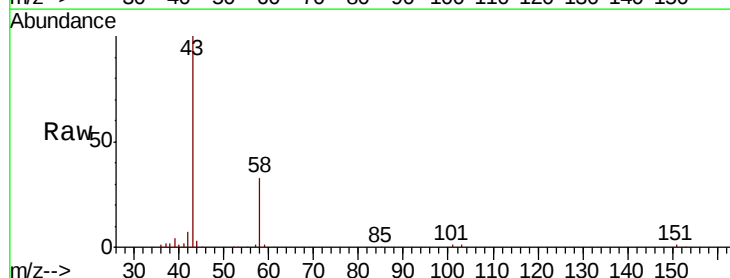
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 87584

Ion Ratio Lower Upper

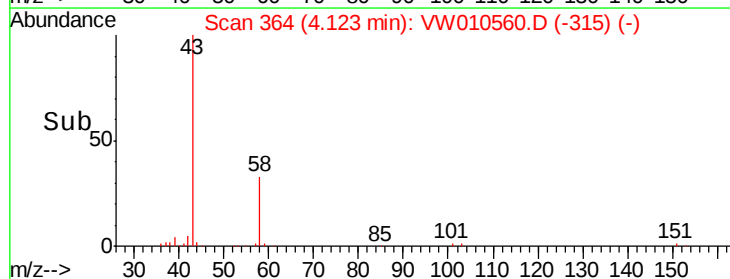
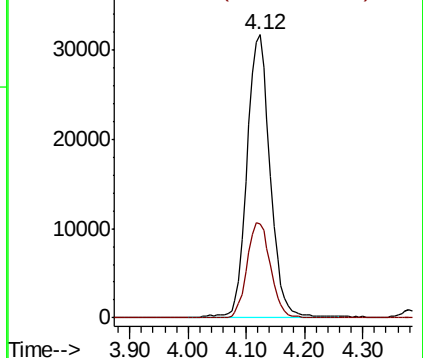
43 100

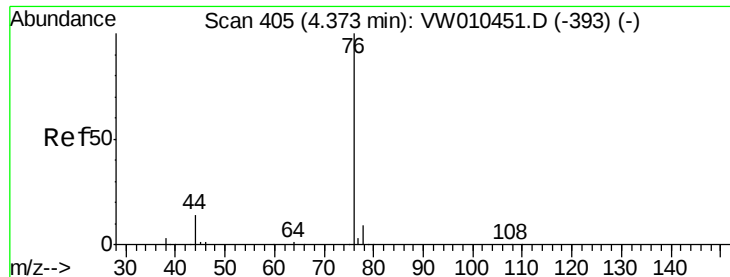
58 33.2 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

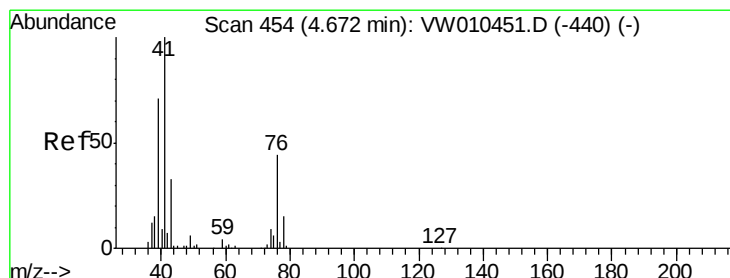
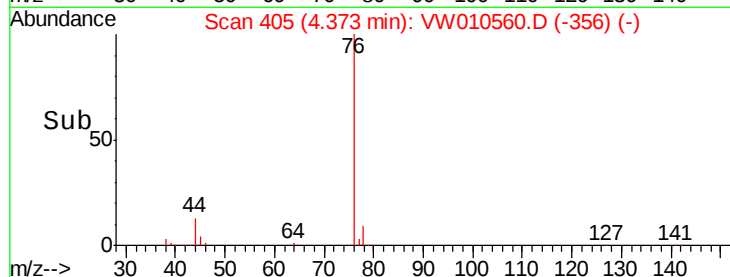
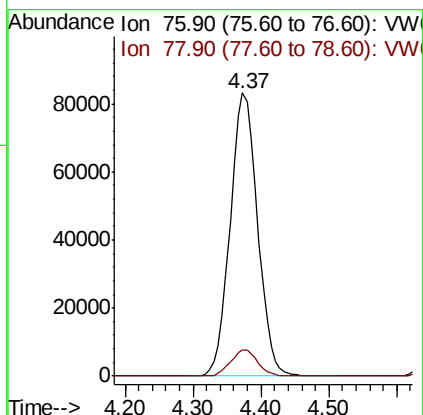
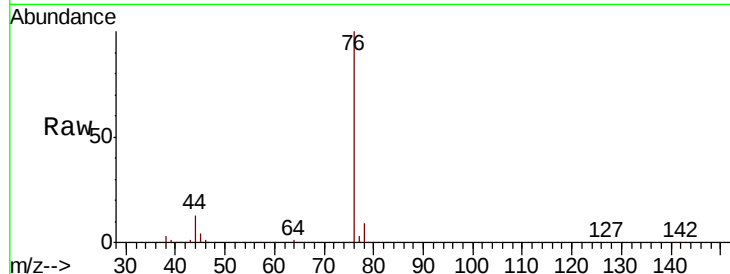




#17
Carbon Disulfide
Concen: 46.640 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

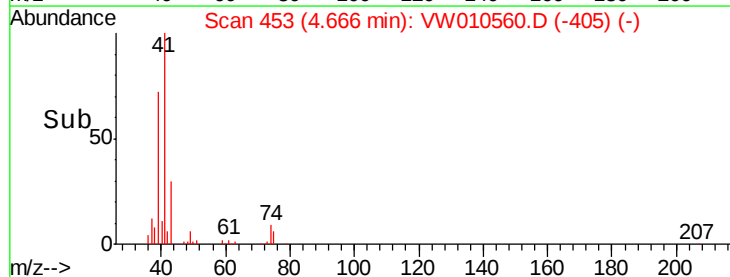
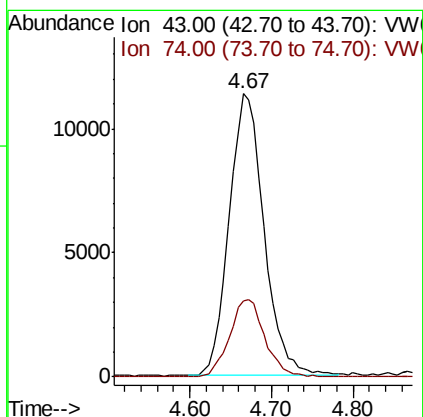
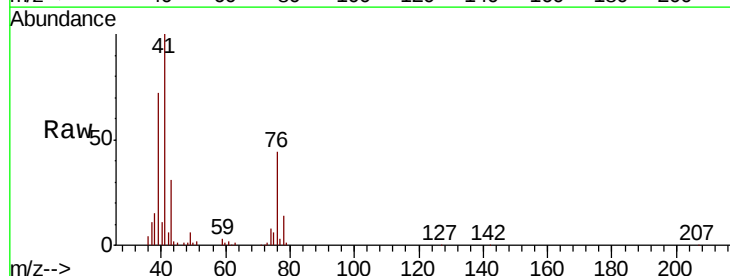
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

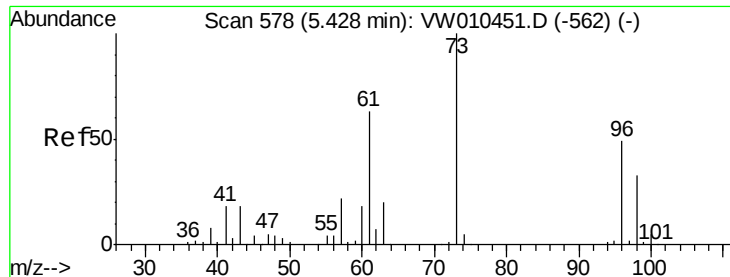
Tot Ion: 76 Resp: 232741
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 40.970 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 33438
Ion Ratio Lower Upper
43 100
74 27.7 21.6 32.4

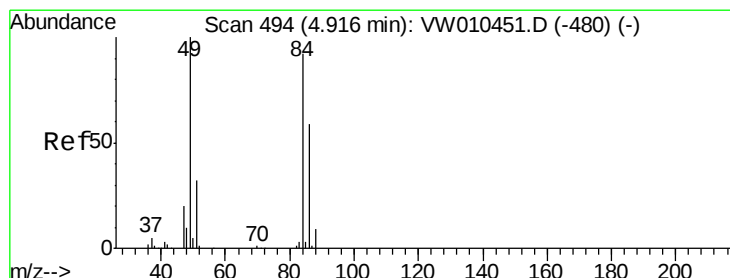
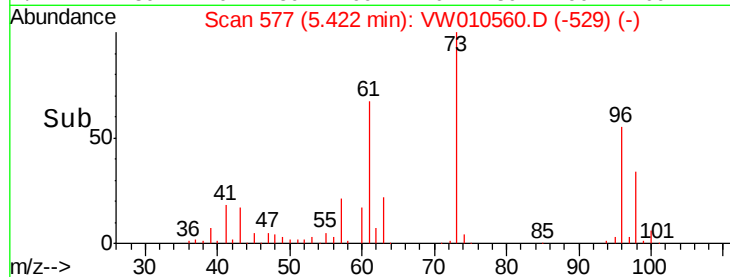
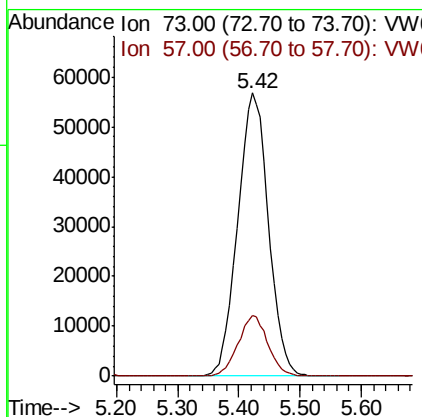
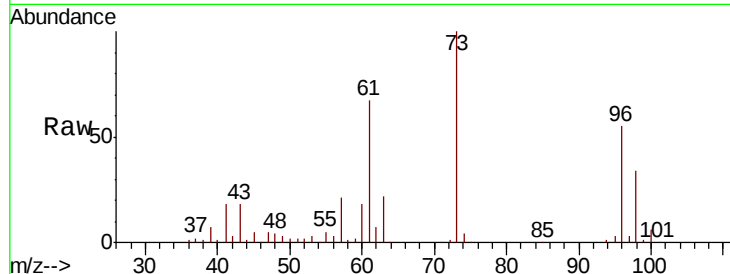




#19
Methyl tert-butyl Ether
Concen: 46.310 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

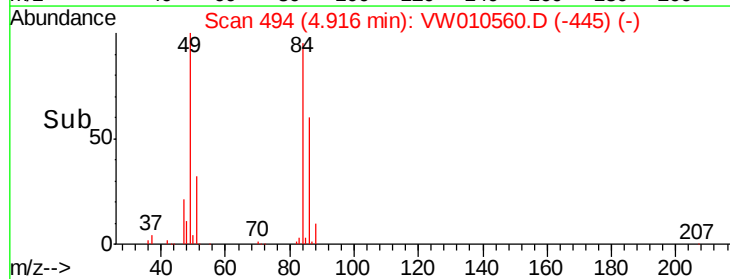
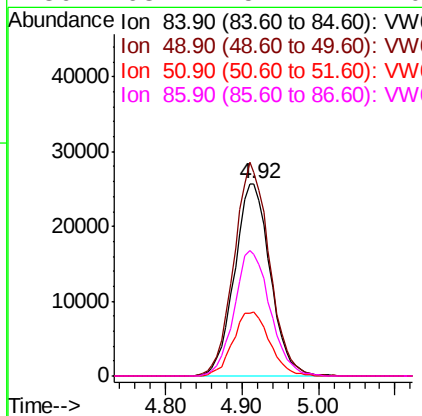
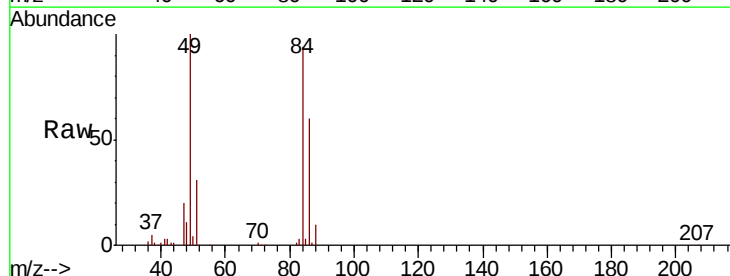
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

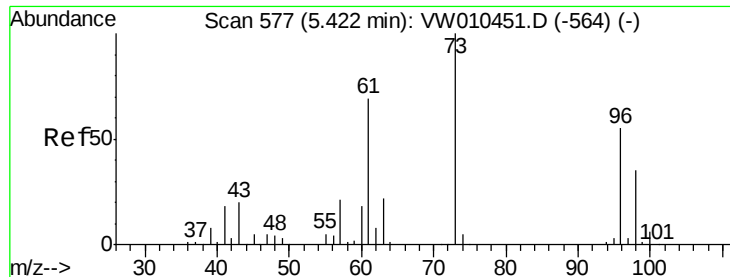
Tot Ion: 73 Resp: 197514
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0



#20
Methylene Chloride
Concen: 41.710 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 83317
Ion Ratio Lower Upper
84 100
49 105.9 87.2 130.8
51 33.3 27.7 41.5
86 63.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.756 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

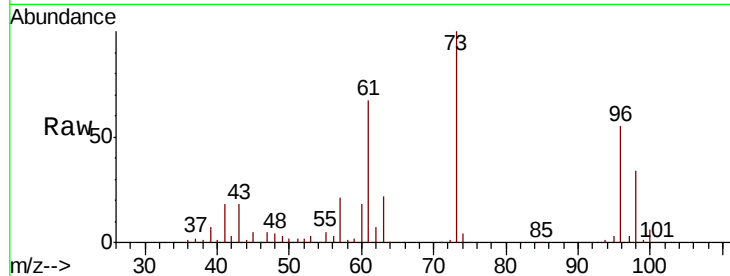
Tot Ion: 96 Resp: 93562

Ion Ratio Lower Upper

96 100

61 122.5 101.4 152.0

98 61.5 50.6 76.0

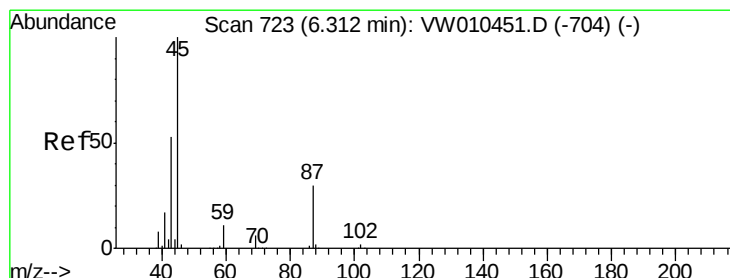
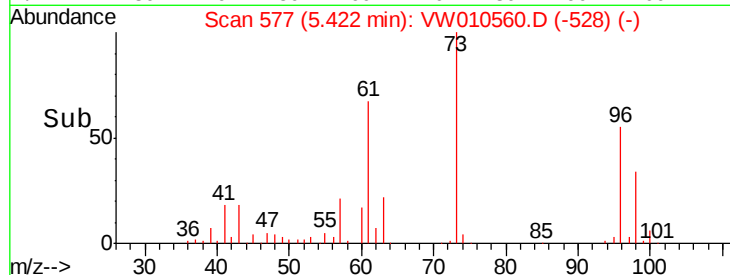
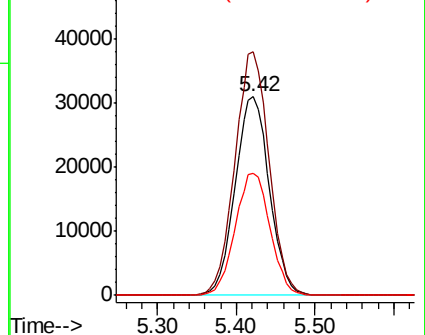


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 46.059 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion: 45 Resp: 228710

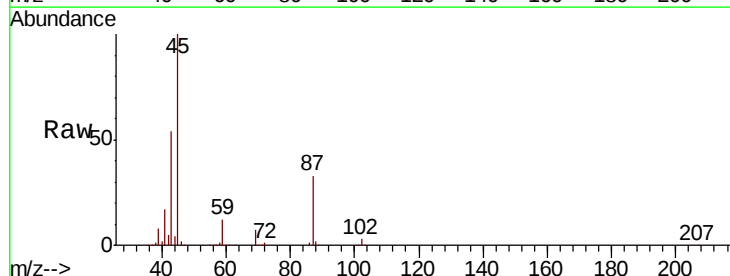
Ion Ratio Lower Upper

45 100

43 53.4 42.9 64.3

87 32.7 24.6 36.8

59 11.9 9.4 14.0



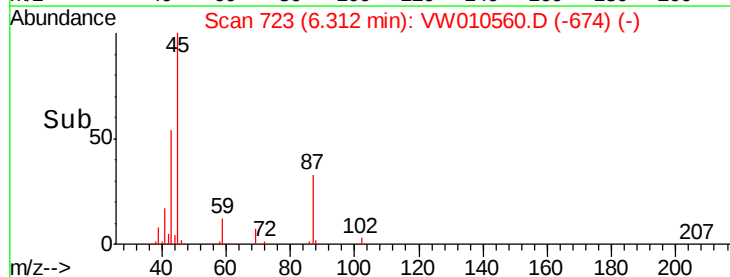
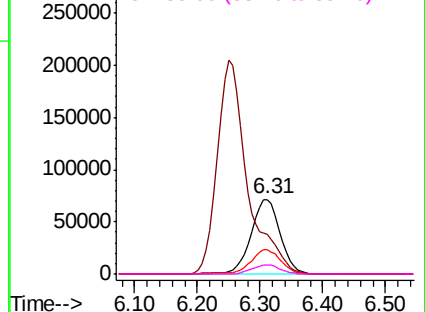
Abundance

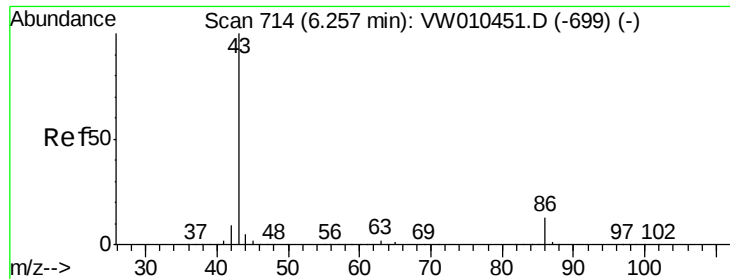
Ion 45.00 (44.70 to 45.70): VW

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: 229.988 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

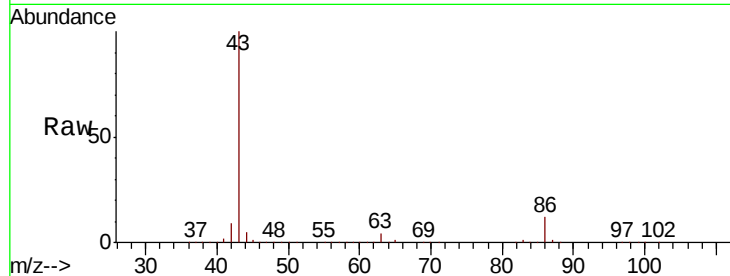
VSTDCCC050

Tot Ion: 43 Resp: 682179

Ion Ratio Lower Upper

43 100

86 12.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

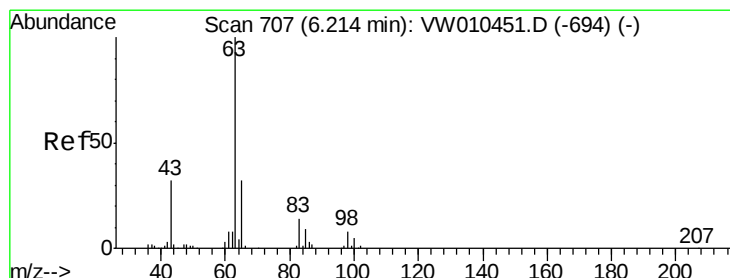
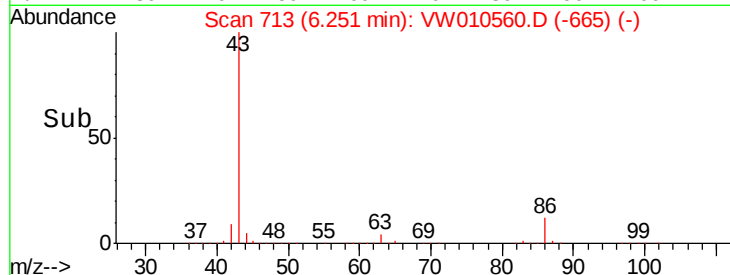
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.287 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

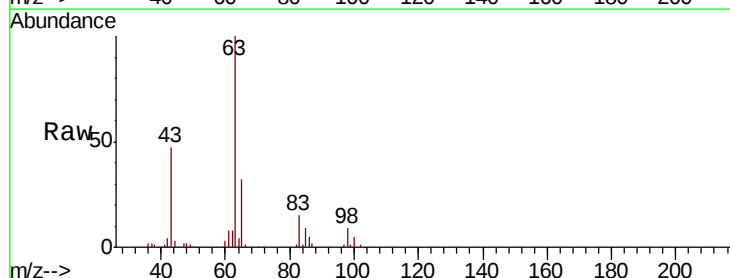
Tgt Ion: 63 Resp: 143086

Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.2

100 5.1 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

60000

50000

40000

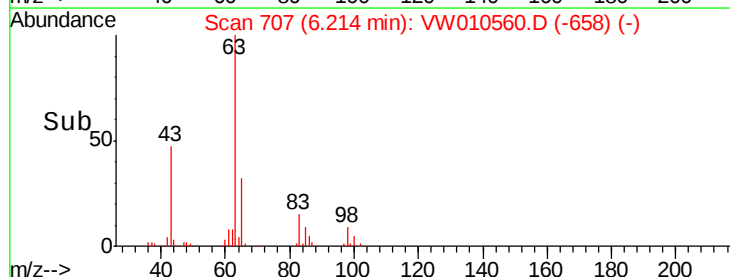
30000

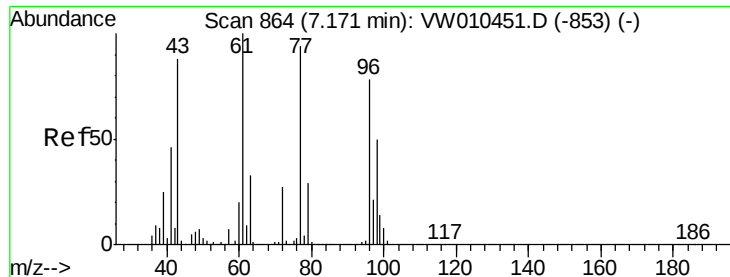
20000

10000

0

Time-->





#25

2-Butanone

Concen: 239.485 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

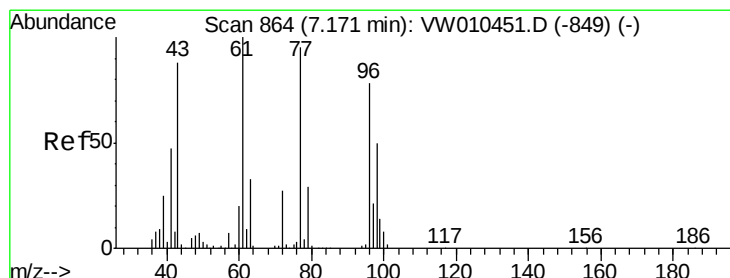
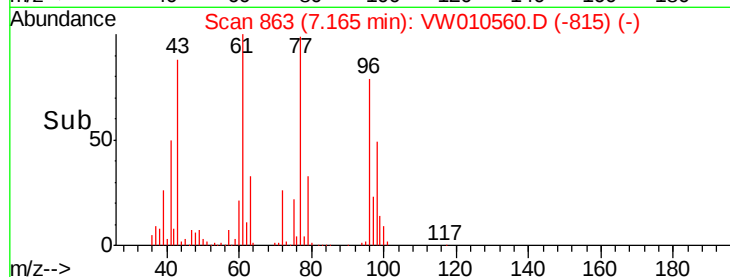
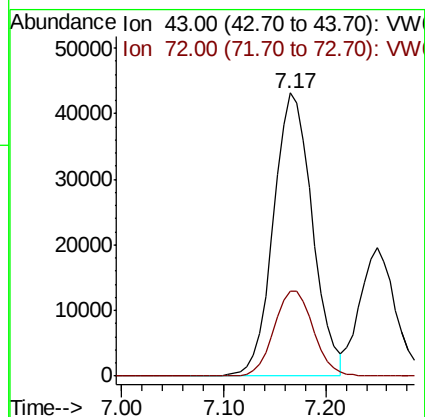
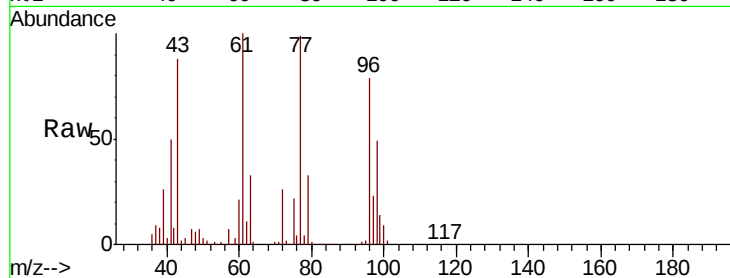
VSTDCCC050

Tot Ion: 43 Resp: 114371

Ion Ratio Lower Upper

43 100

72 30.2 24.1 36.1



#26

2,2-Dichloropropane

Concen: 51.483 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010560.D

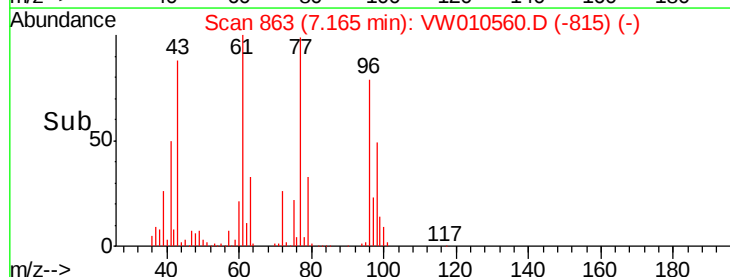
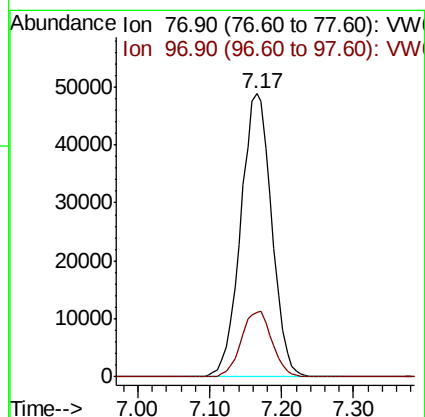
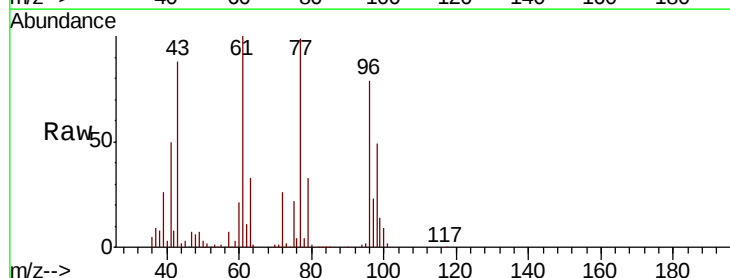
Acq: 28 May 2019 11:46

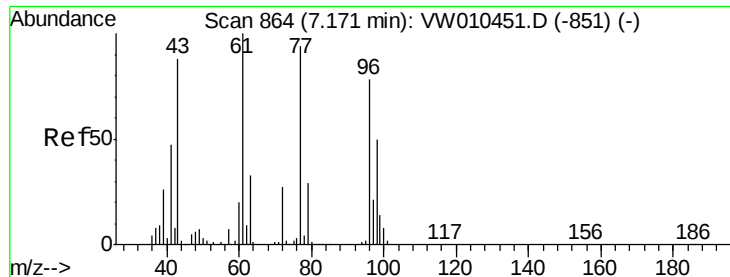
Tgt Ion: 77 Resp: 145318

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



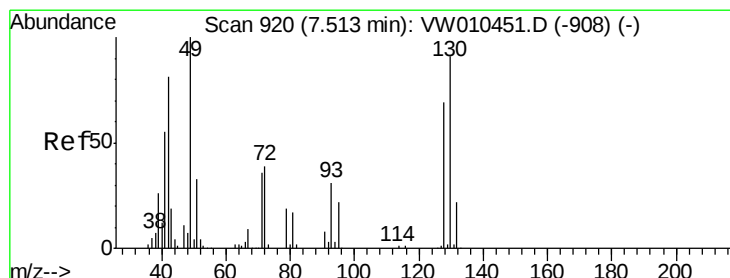
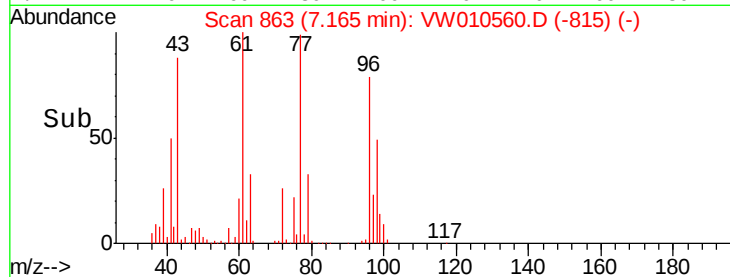
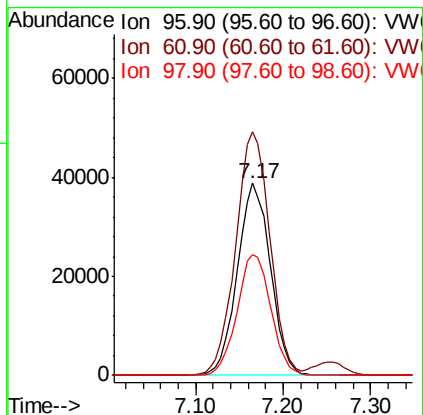
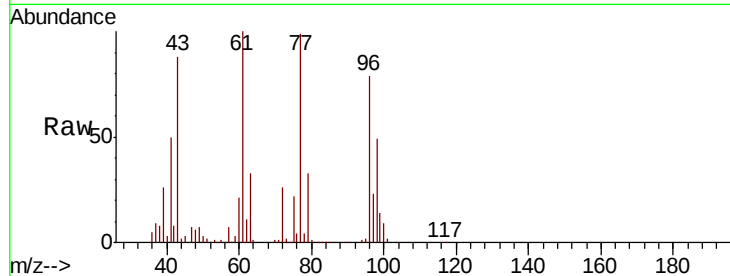


#27

cis-1,2-Dichloroethene
Concen: 48.931 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

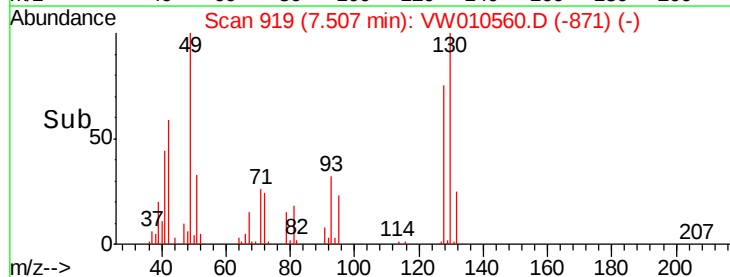
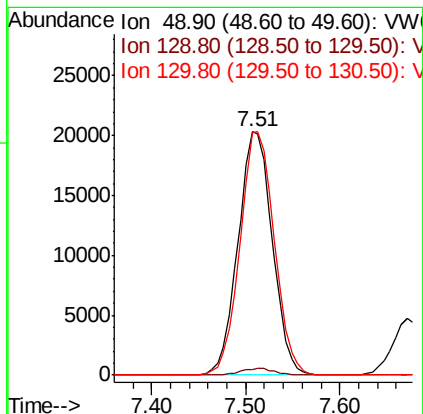
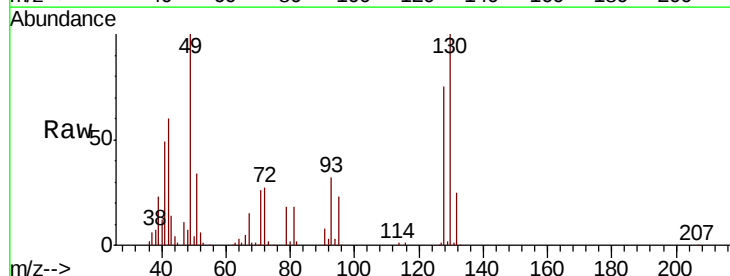
Tot Ion: 96 Resp: 102085
Ion Ratio Lower Upper
96 100
61 131.2 0.0 265.4
98 63.7 0.0 129.4

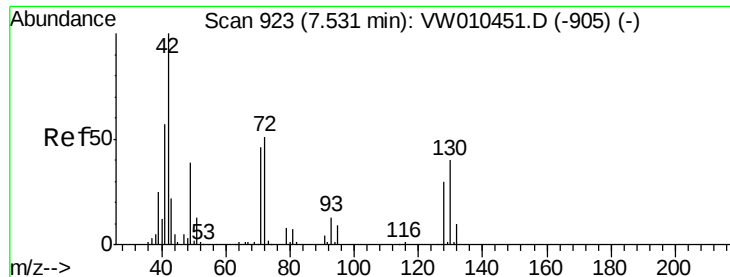


#28

Bromochloromethane
Concen: 48.765 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 49 Resp: 51737
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 100.2 71.2 106.8

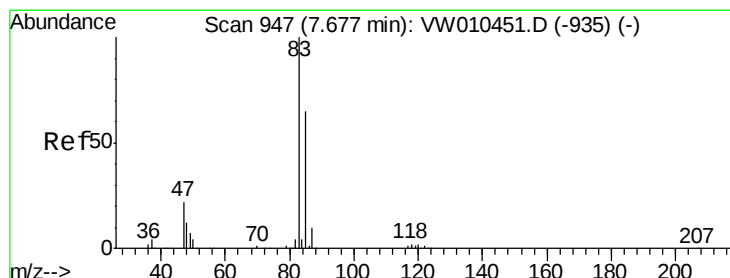
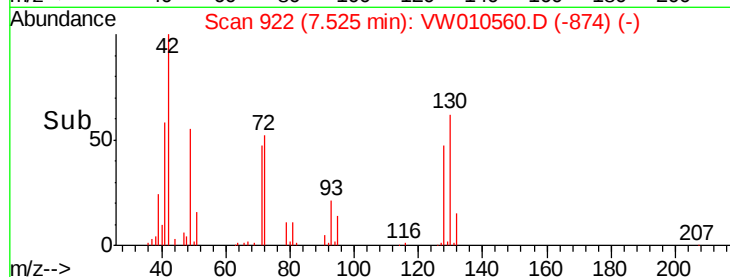
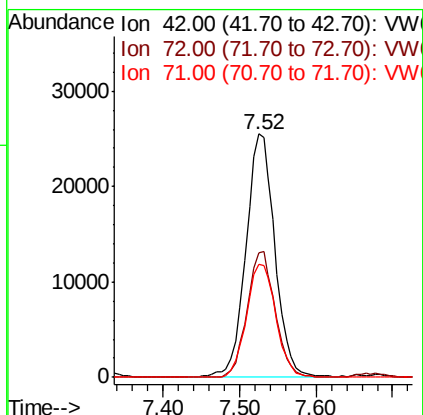
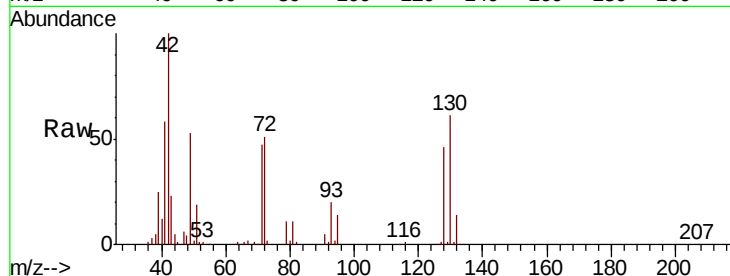




#29
Tetrahydrofuran
Concen: 208.222 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

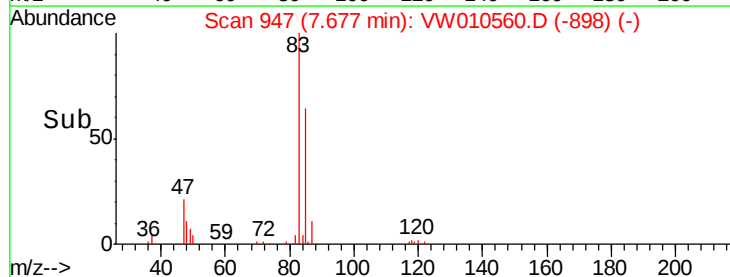
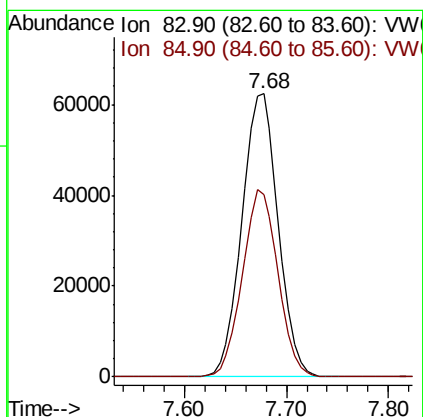
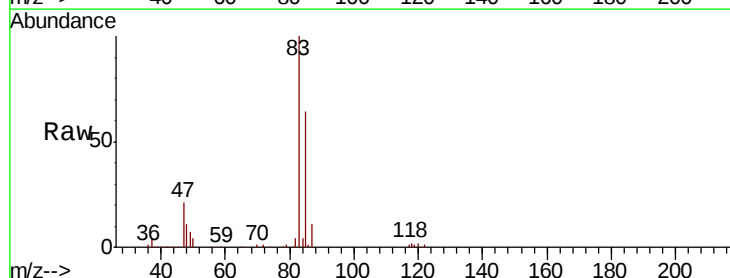
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

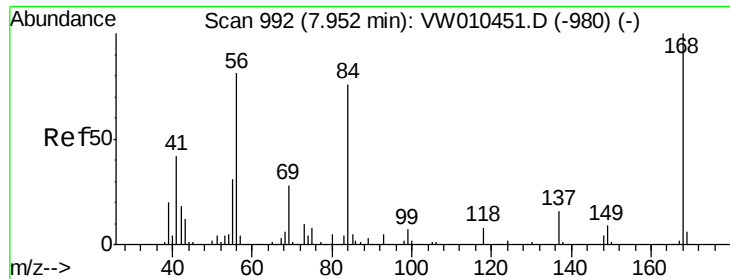
Tot Ion: 42 Resp: 67289
Ion Ratio Lower Upper
42 100
72 50.2 38.5 57.7
71 47.1 36.5 54.7



#30
Chloroform
Concen: 48.262 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 83 Resp: 154257
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.4

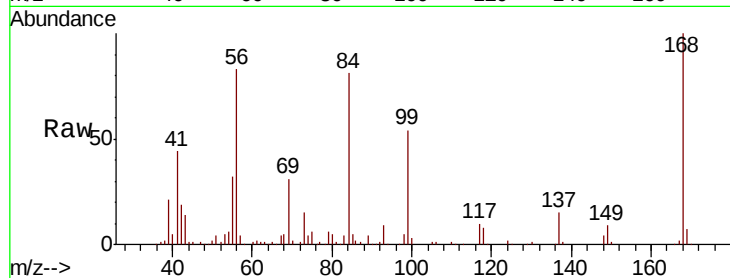




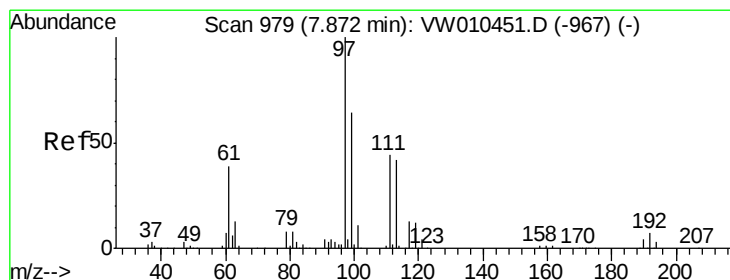
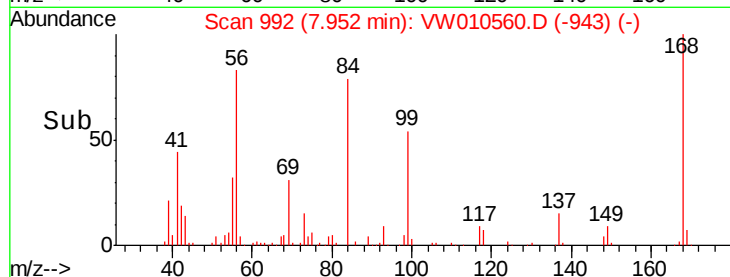
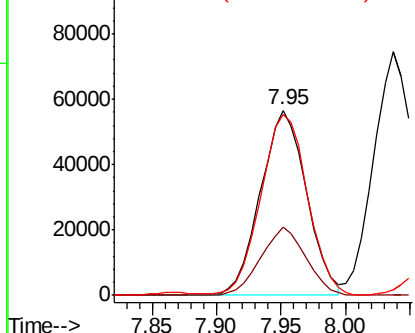
#31
Cyclohexane
Concen: 45.114 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 140033
Ion Ratio Lower Upper
56 100
69 37.1 28.2 42.2
84 96.5 75.8 113.8

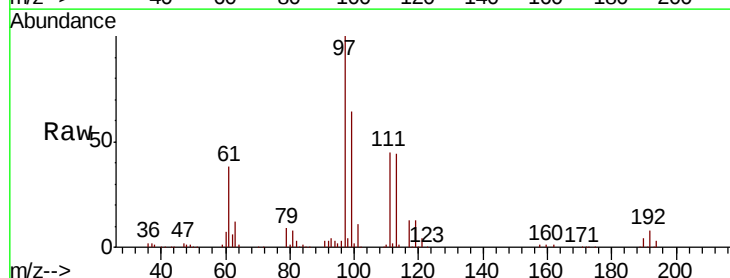


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

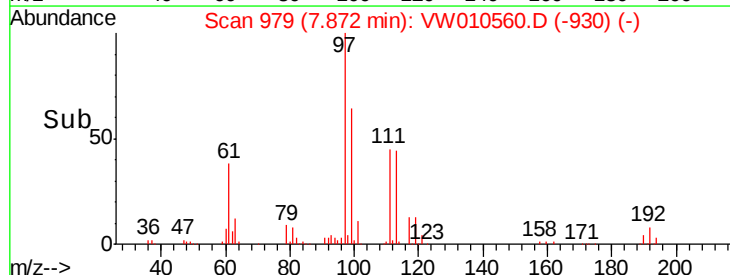
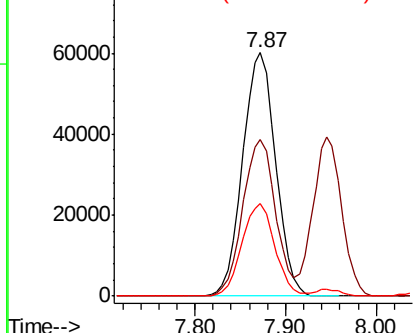


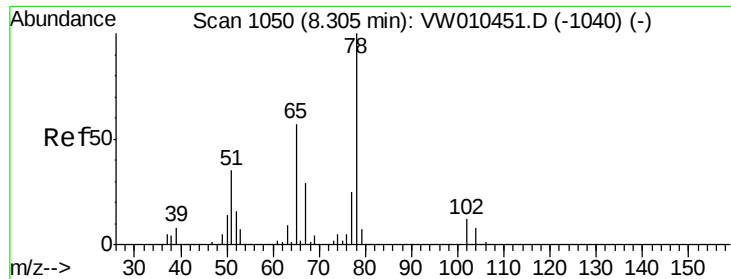
#32
1,1,1-Trichloroethane
Concen: 49.713 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 97 Resp: 151868
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 37.9 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

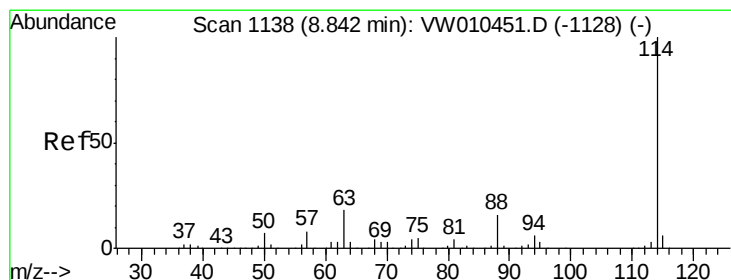
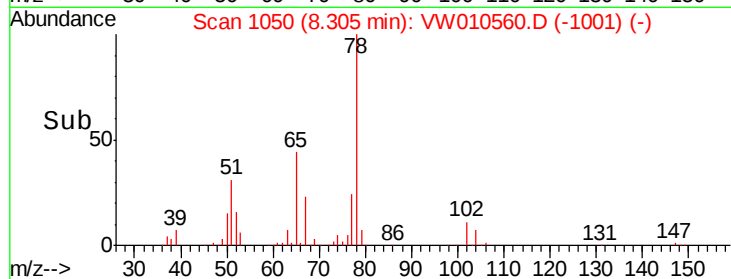
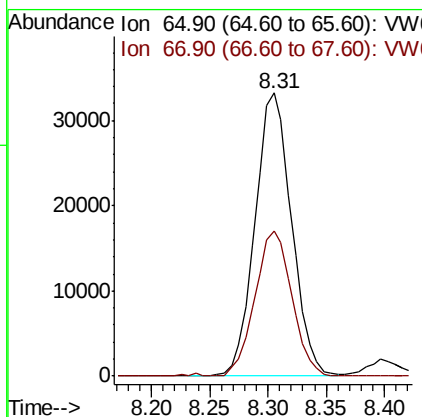
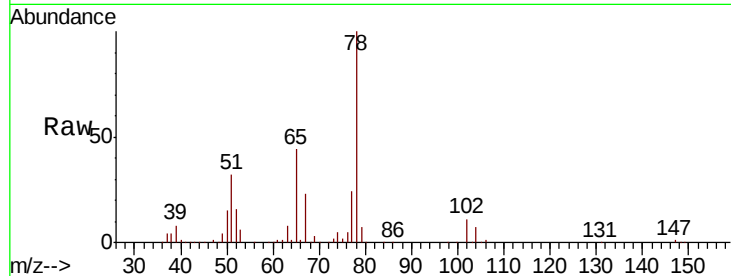




#33
 1,2-Dichloroethane-d4
 Concen: 44.268 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

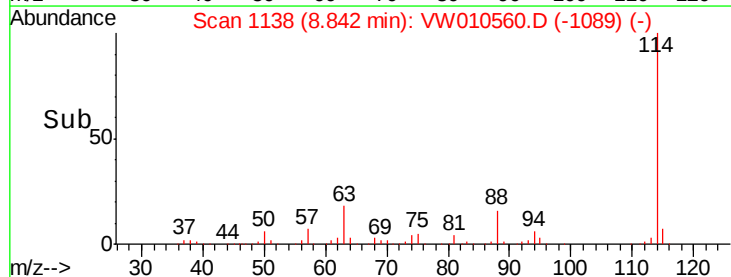
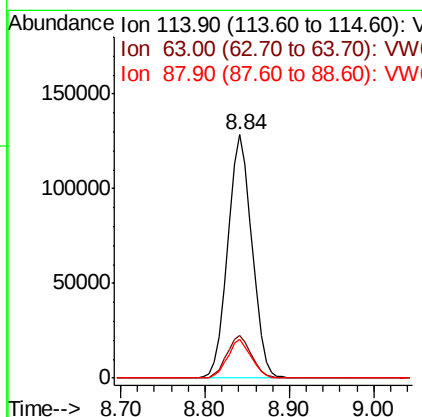
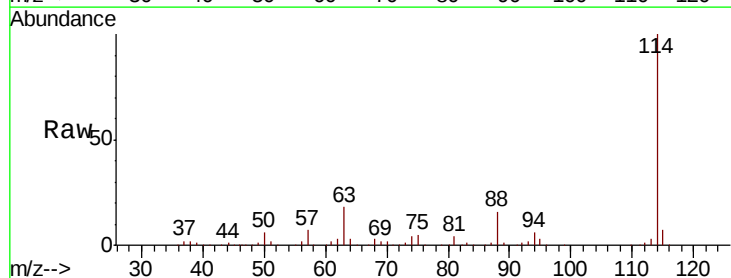
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

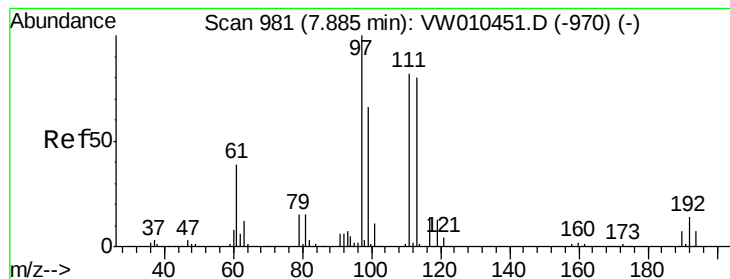
Tot Ion: 65 Resp: 72371
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 114 Resp: 250747
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.062 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

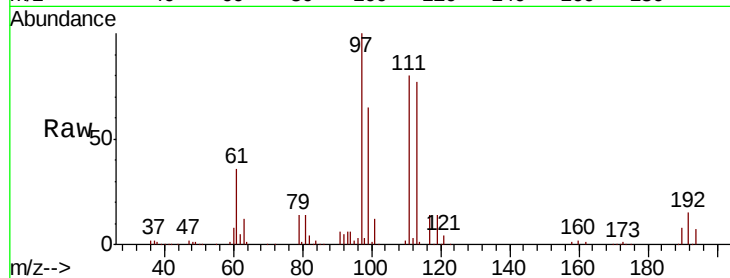
Tot Ion:113 Resp: 79211

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

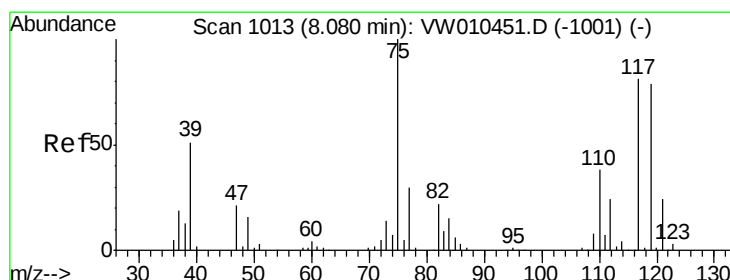
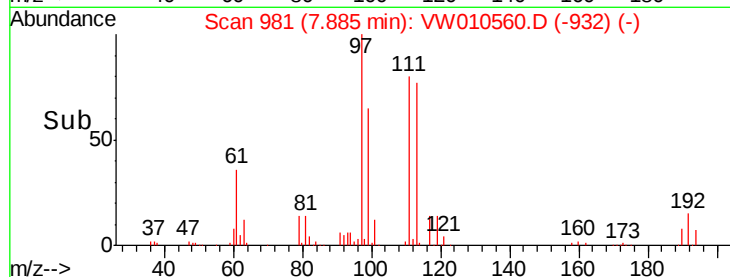
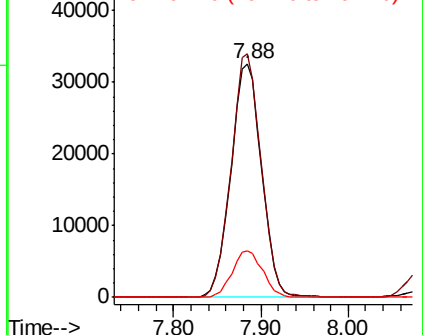
192 19.8 14.3 21.5



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: 52.973 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

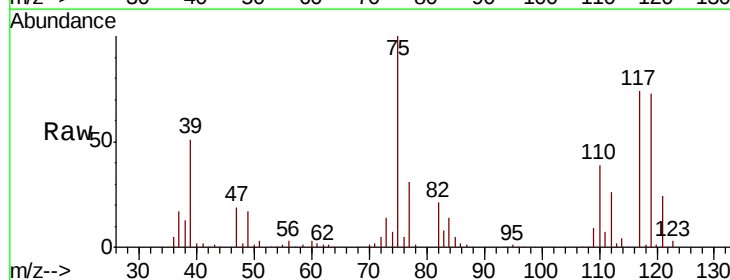
Tgt Ion: 75 Resp: 123735

Ion Ratio Lower Upper

75 100

110 39.3 19.2 57.6

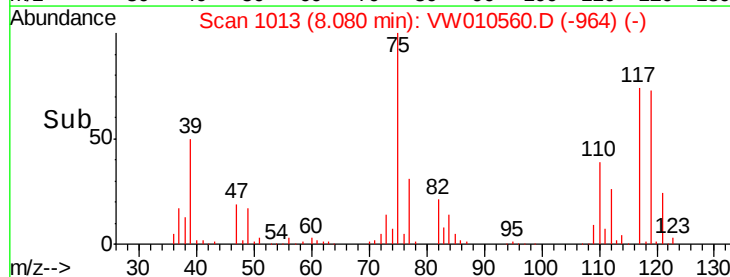
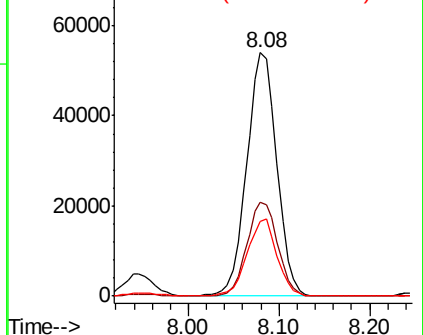
77 31.3 25.2 37.8

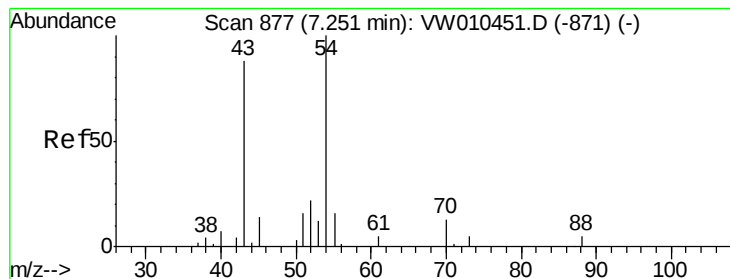


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 49.286 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

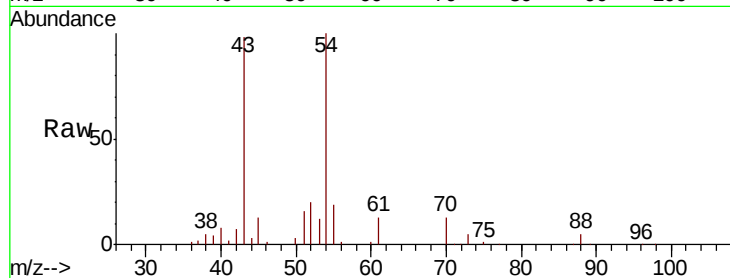
Tot Ion: 43 Resp: 48956

Ion Ratio Lower Upper

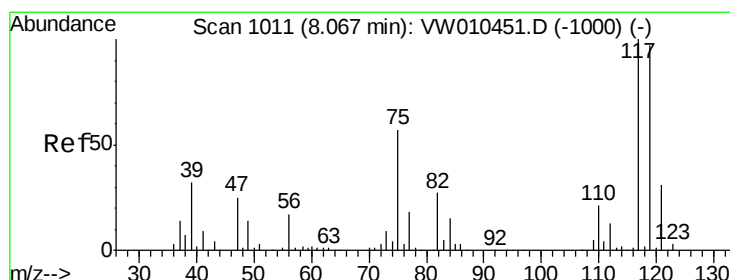
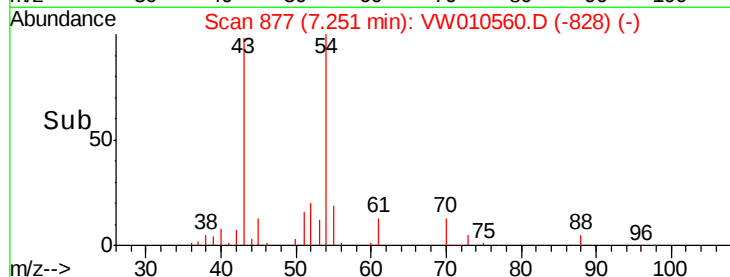
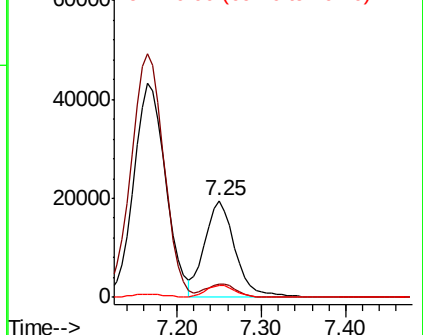
43 100

61 14.2 11.2 16.8

70 12.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 55.121 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

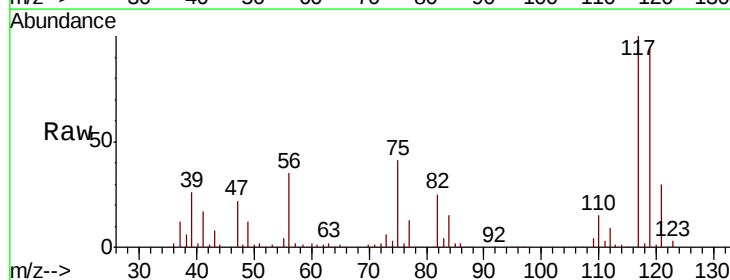
Tgt Ion: 117 Resp: 138893

Ion Ratio Lower Upper

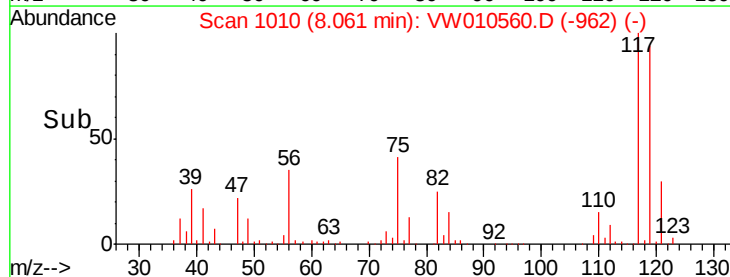
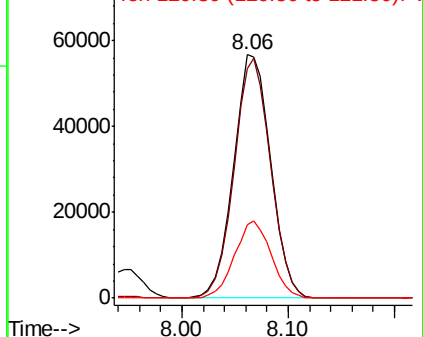
117 100

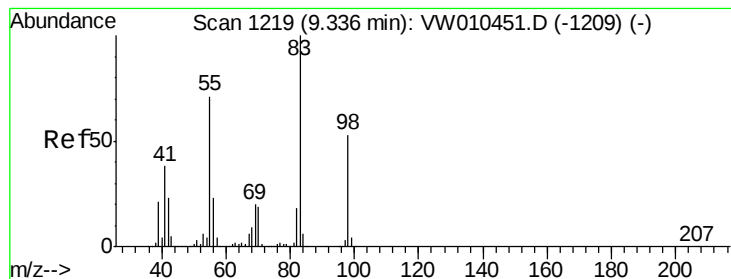
119 94.0 77.4 116.0

121 30.0 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 53.888 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

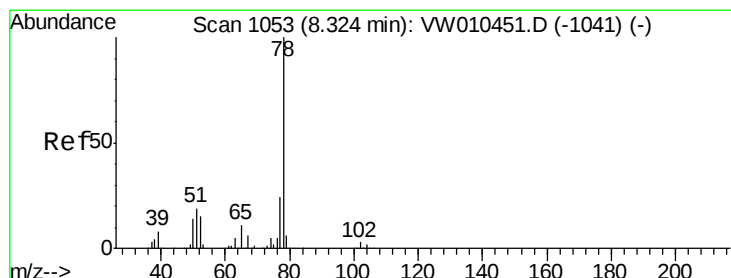
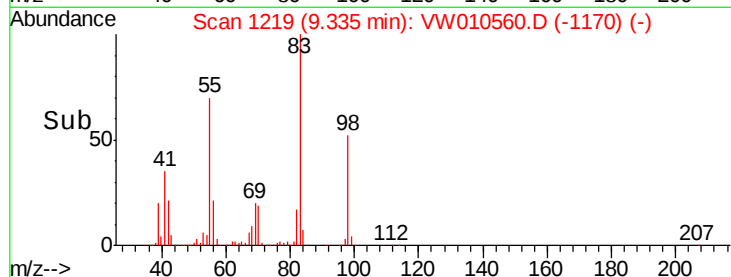
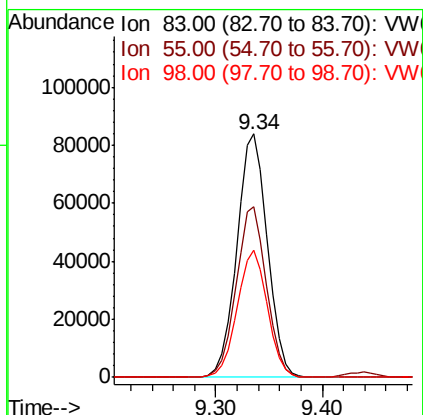
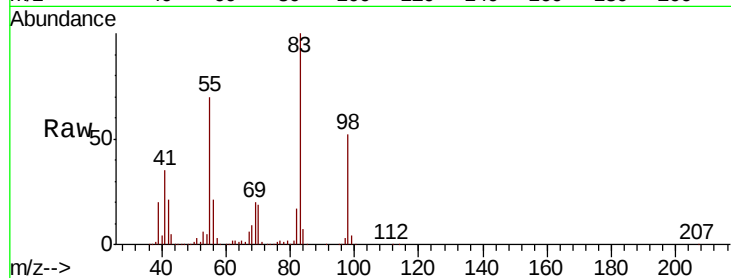
Tot Ion: 83 Resp: 168641

Ion Ratio Lower Upper

83 100

55 69.9 57.0 85.6

98 52.2 42.0 63.0



#40

Benzene

Concen: 52.626 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010560.D

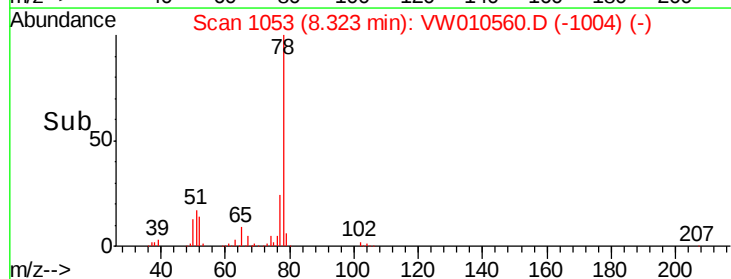
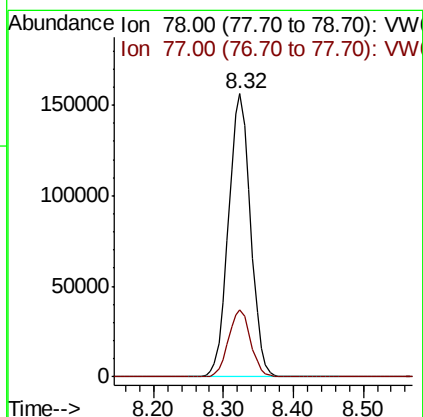
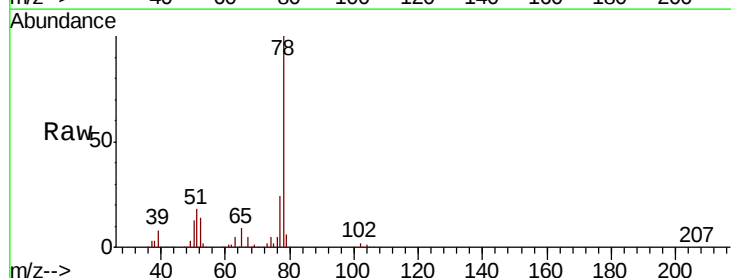
Acq: 28 May 2019 11:46

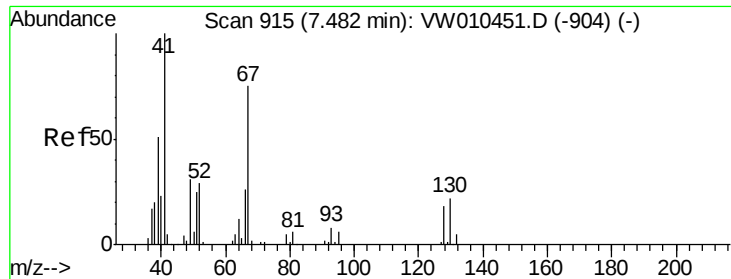
Tgt Ion: 78 Resp: 341663

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3

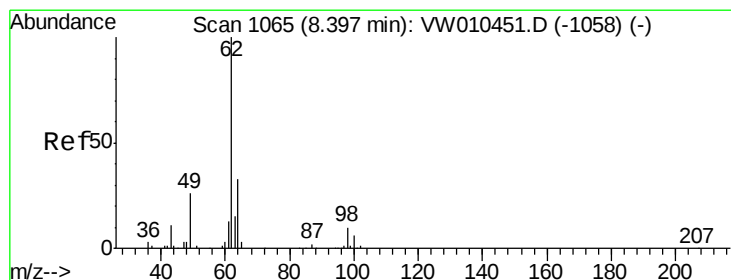
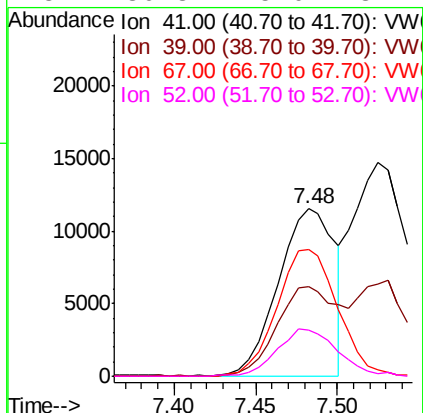
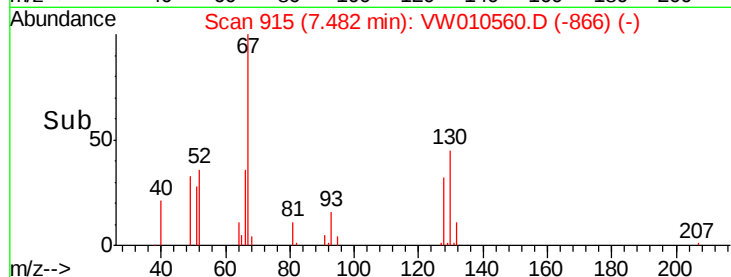
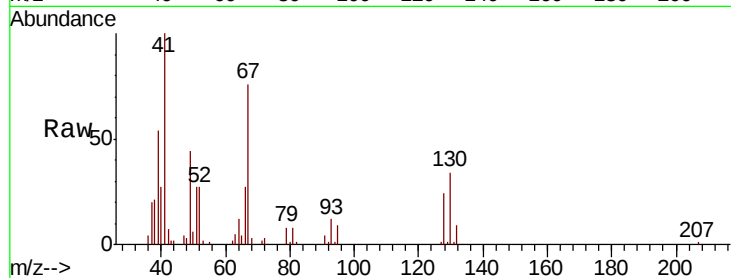




#41
Methacrylonitrile
Concen: 47.181 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

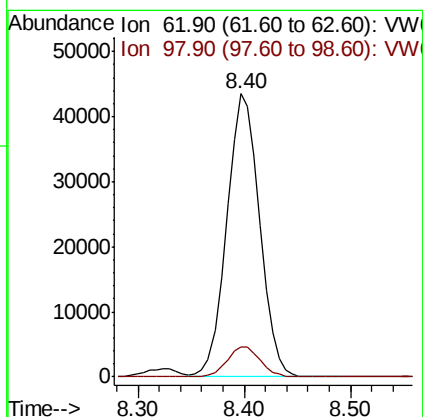
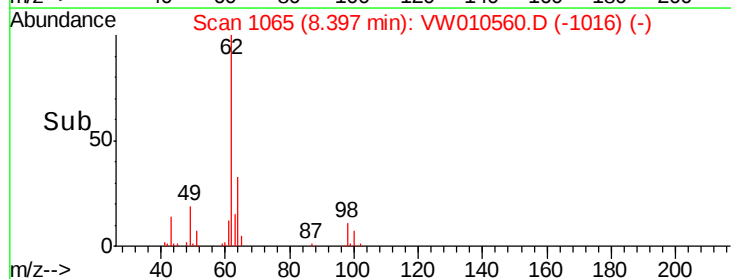
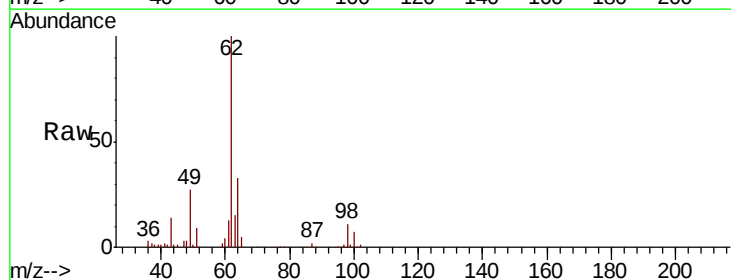
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

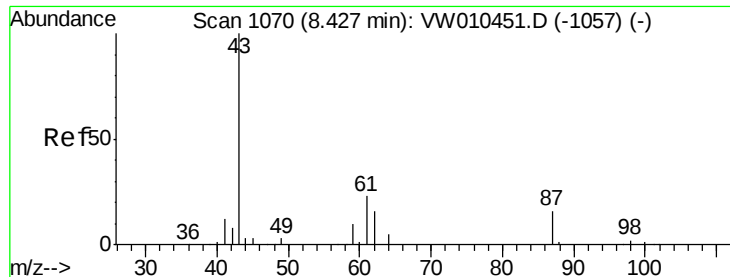
Tot Ion:	41	Resp:	27846
Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.4	71.2
67	80.6	65.5	98.3
52	30.3	25.0	37.4



#42
1,2-Dichloroethane
Concen: 50.663 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:	62	Resp:	94008
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.450 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

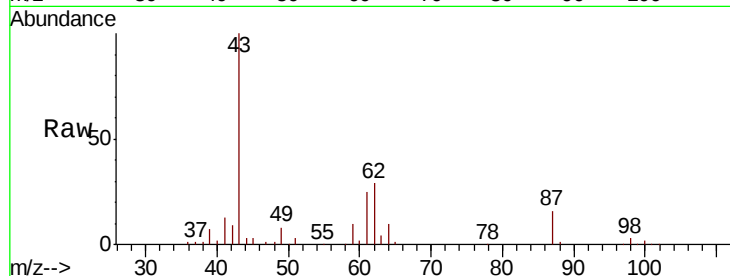
Tot Ion: 43 Resp: 94161

Ion Ratio Lower Upper

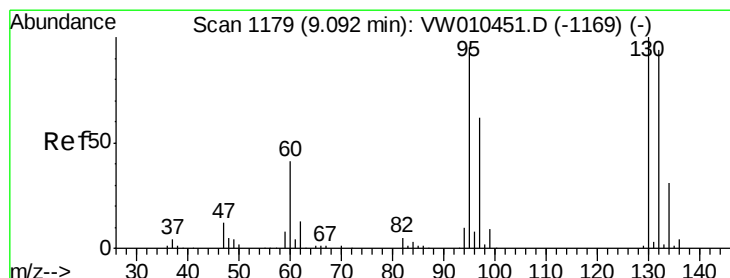
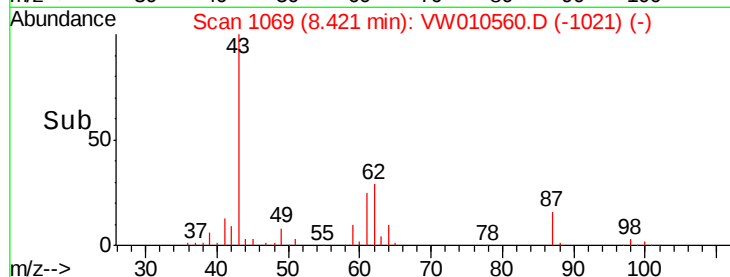
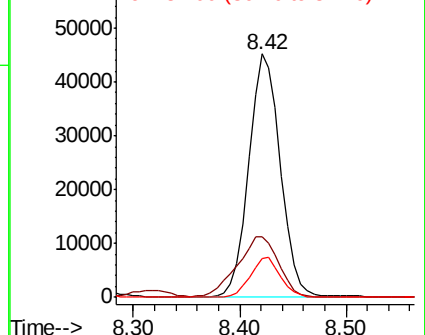
43 100

61 32.5 25.4 38.2

87 15.8 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.048 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010560.D

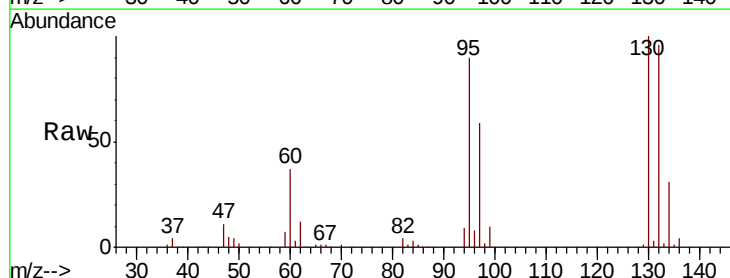
Acq: 28 May 2019 11:46

Tgt Ion: 130 Resp: 108029

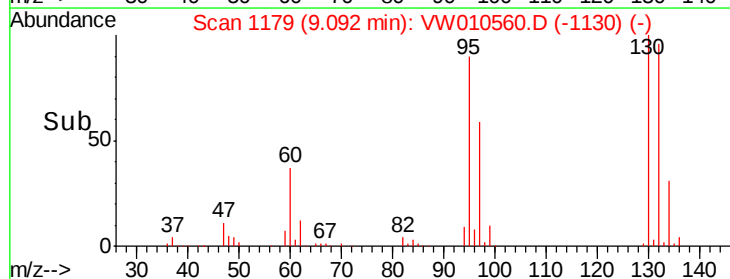
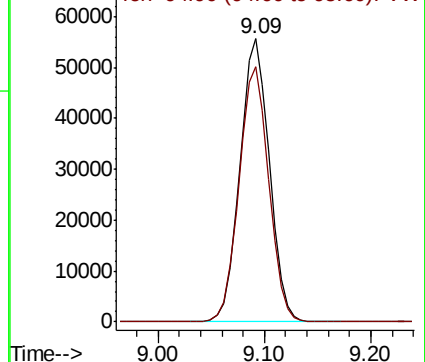
Ion Ratio Lower Upper

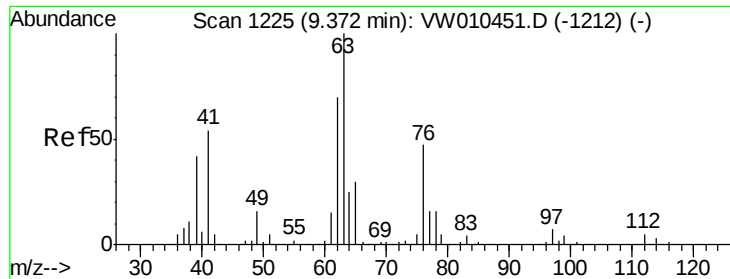
130 100

95 90.3 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

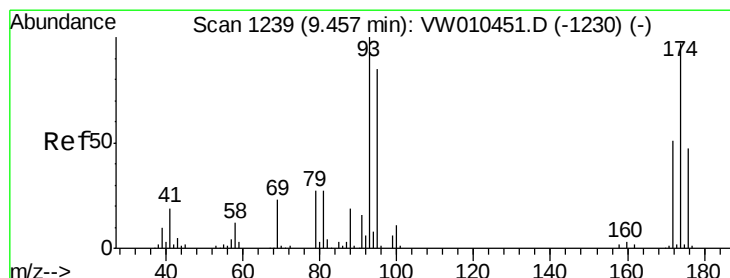
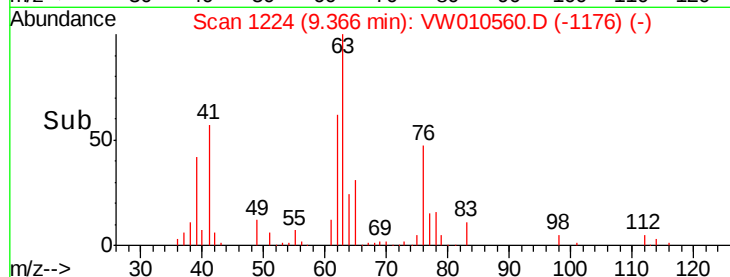
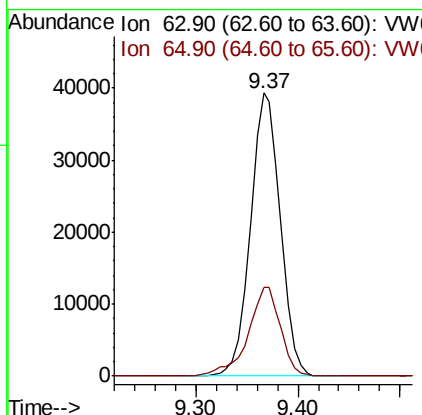
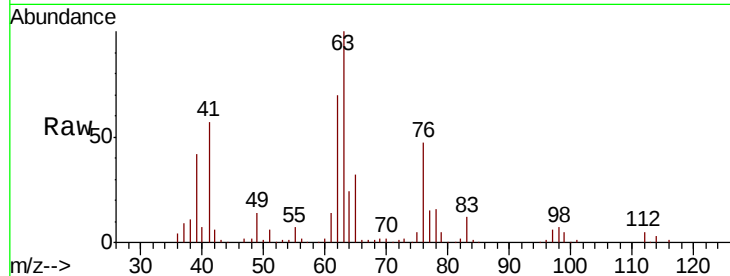




#45
 1,2-Dichloropropane
 Concen: 51.946 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

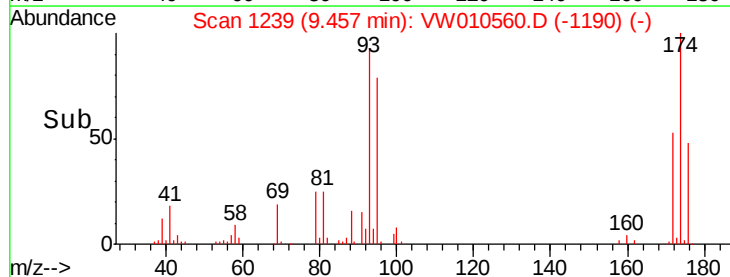
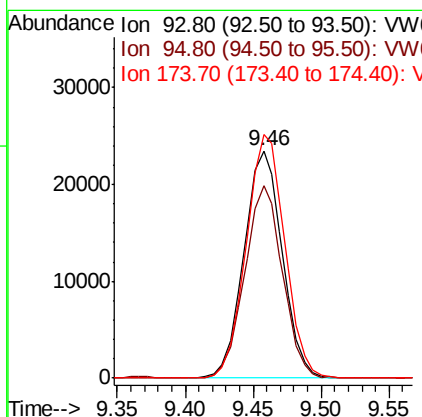
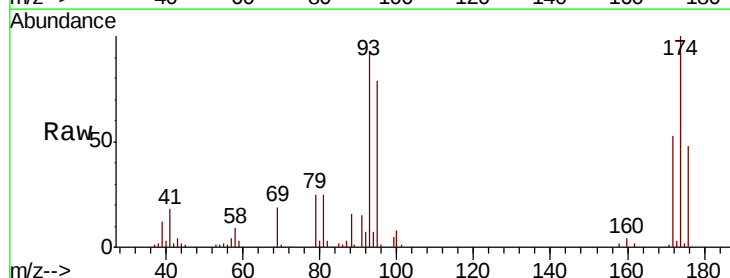
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

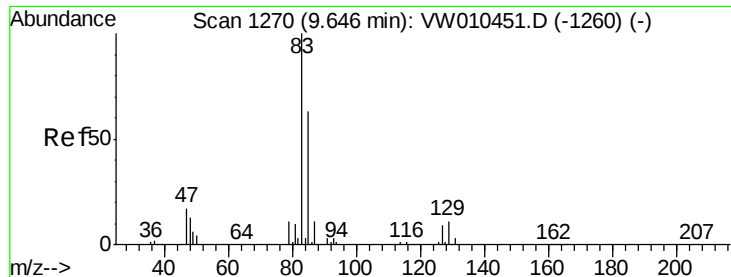
Tot Ion: 63 Resp: 80097
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.3 36.5



#46
 Dibromomethane
 Concen: 51.274 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 93 Resp: 46236
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.1 99.1
 174 108.1 77.1 115.7





#47

Bromodichloromethane

Concen: 52.239 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

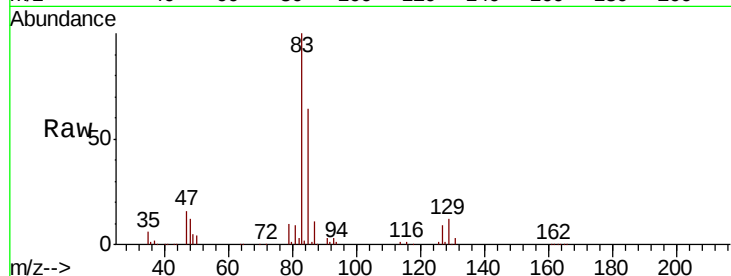
Tot Ion: 83 Resp: 118376

Ion Ratio Lower Upper

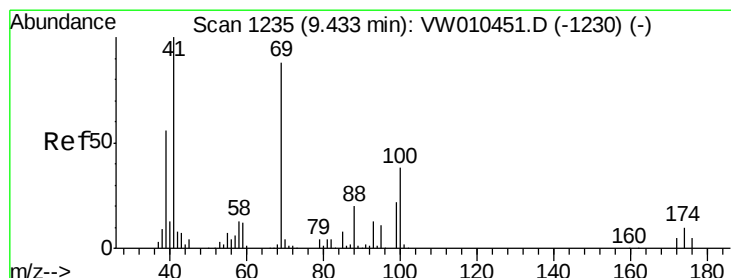
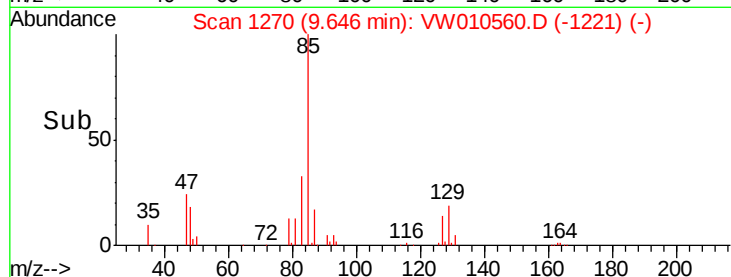
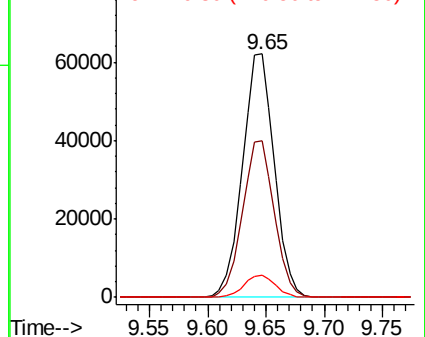
83 100

85 64.5 50.4 75.6

127 9.3 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): V



#48

Methyl methacrylate

Concen: 50.130 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

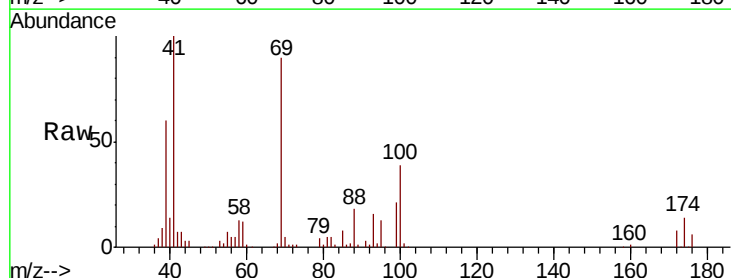
Tgt Ion: 41 Resp: 45510

Ion Ratio Lower Upper

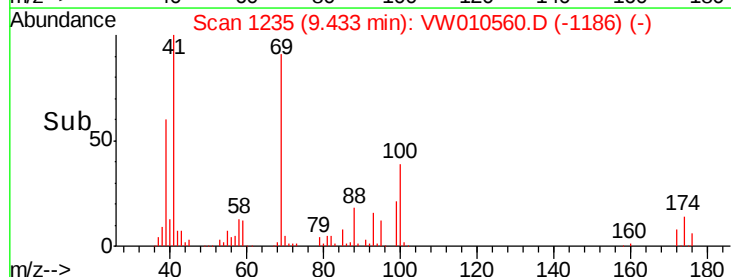
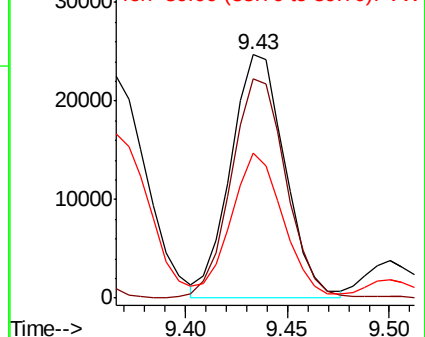
41 100

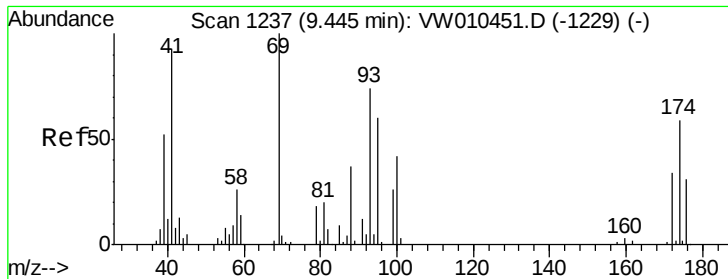
69 91.7 77.6 116.4

39 54.2 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

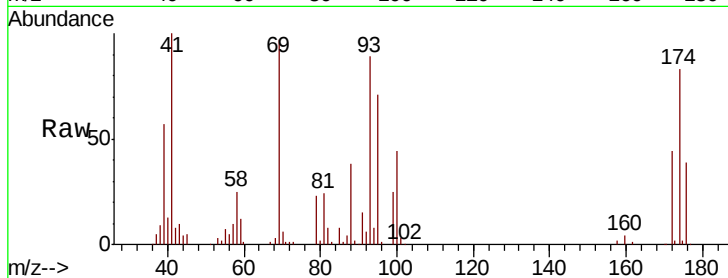




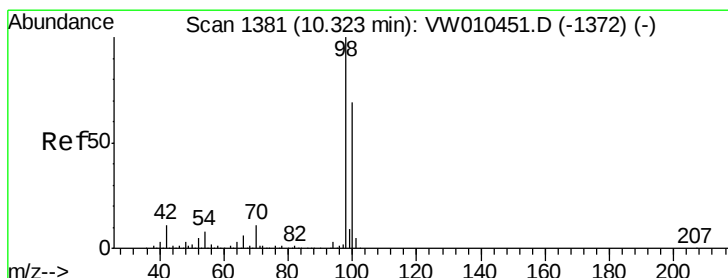
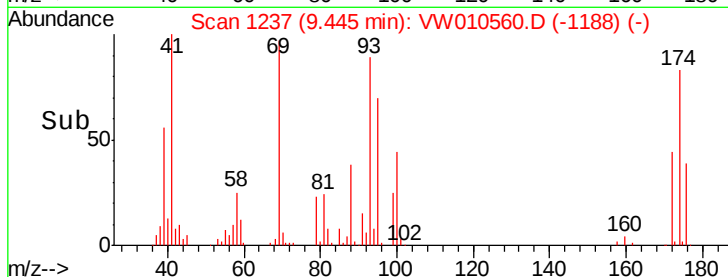
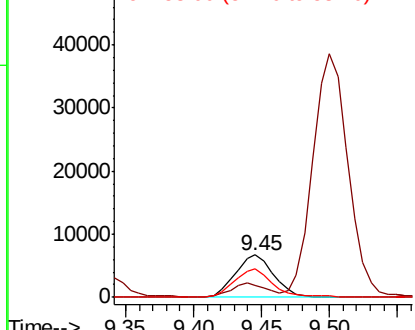
#49
1,4-Dioxane
Concen: 904.380 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 13322
Ion Ratio Lower Upper
88 100
43 27.9 25.9 38.9
58 64.7 52.7 79.1

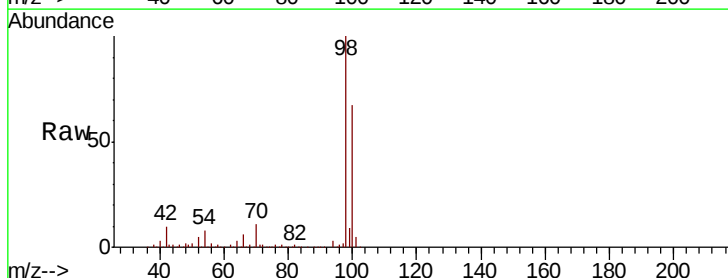


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

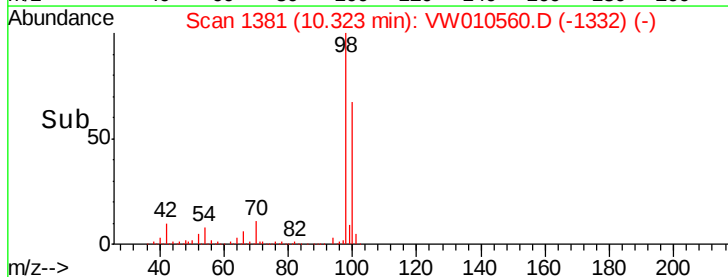
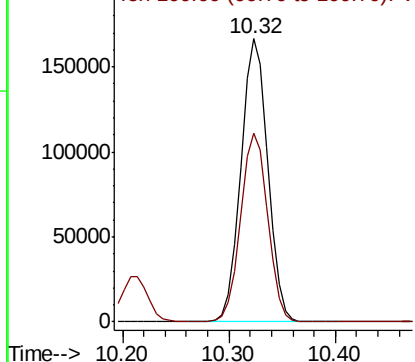


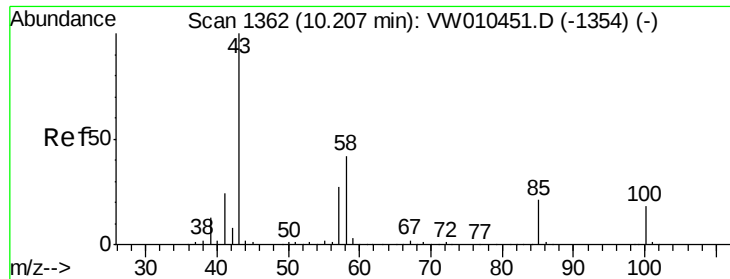
#50
Toluene-d8
Concen: 50.821 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 98 Resp: 295392
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: 235.669 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

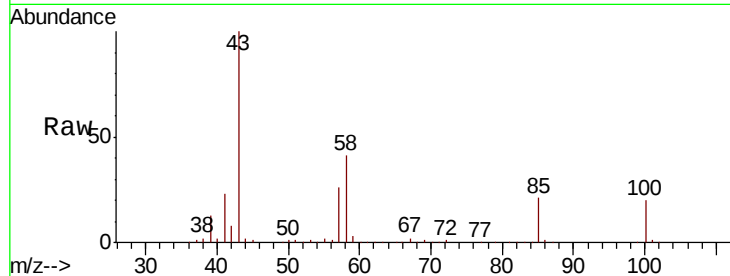
VSTDCCC050

Tot Ion: 43 Resp: 236976

Ion Ratio Lower Upper

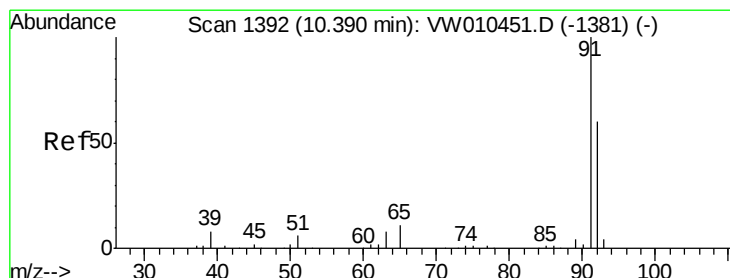
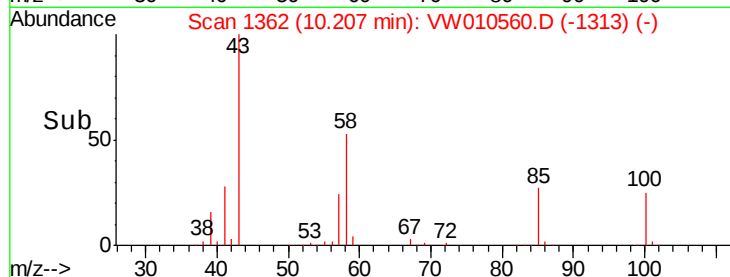
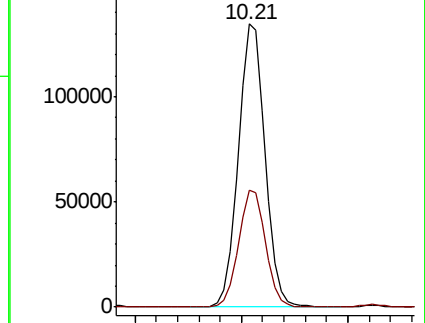
43 100

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



#52

Toluene

Concen: 52.776 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010560.D

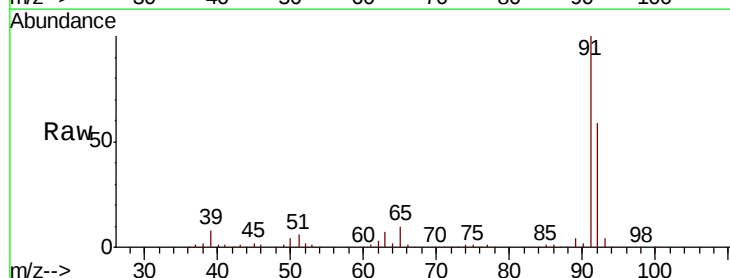
Acq: 28 May 2019 11:46

Tgt Ion: 92 Resp: 230108

Ion Ratio Lower Upper

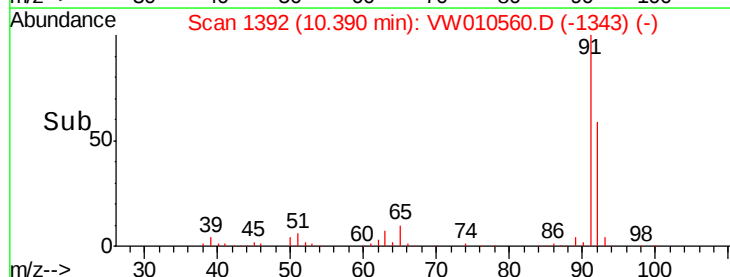
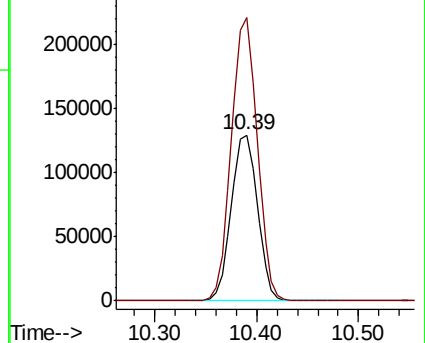
92 100

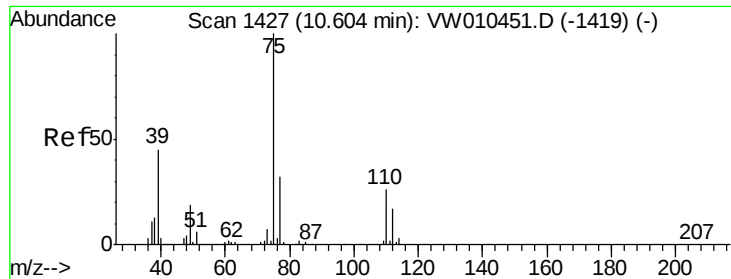
91 168.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 51.421 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

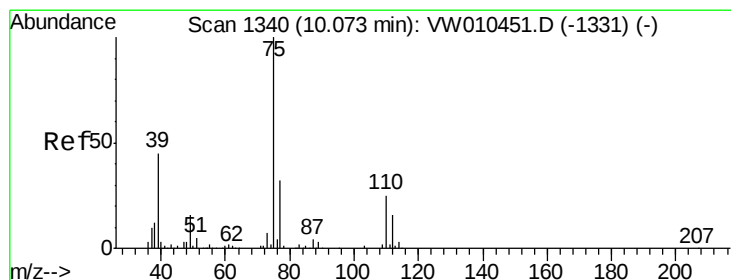
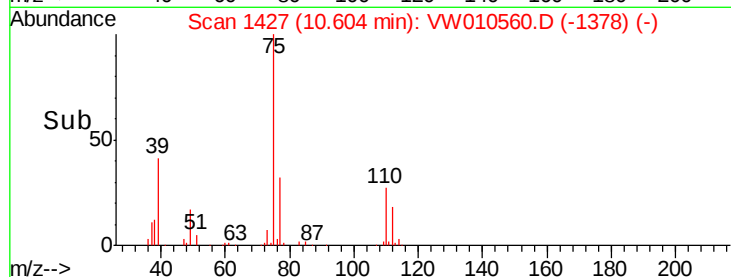
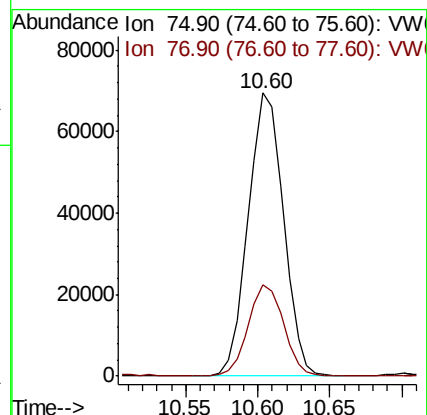
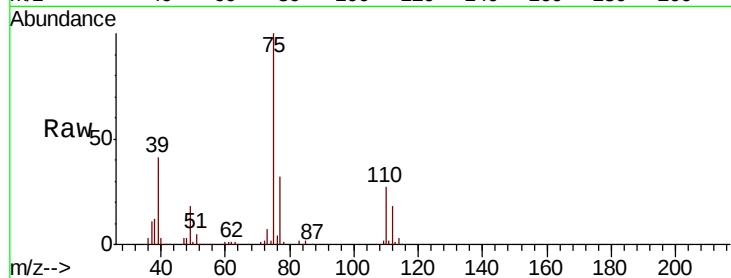
VSTDCCC050

Tot Ion: 75 Resp: 118012

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 52.900 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

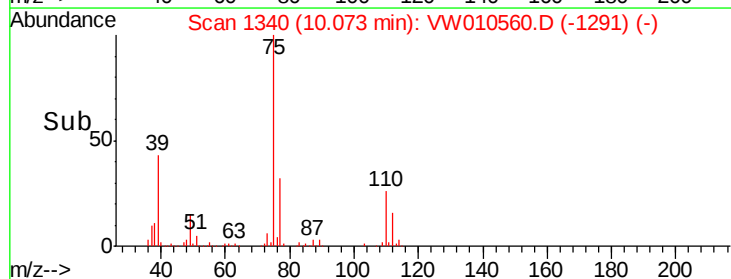
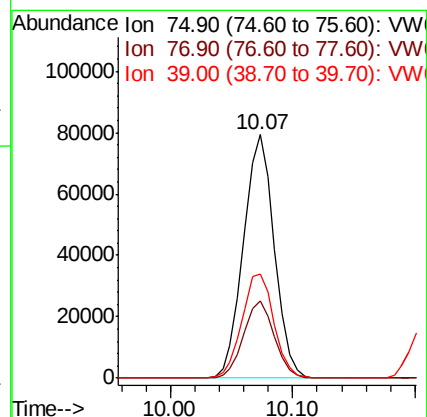
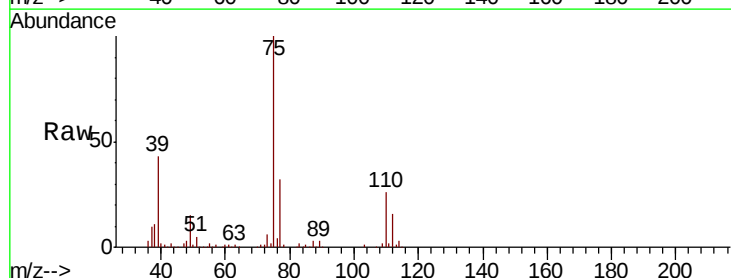
Tgt Ion: 75 Resp: 138653

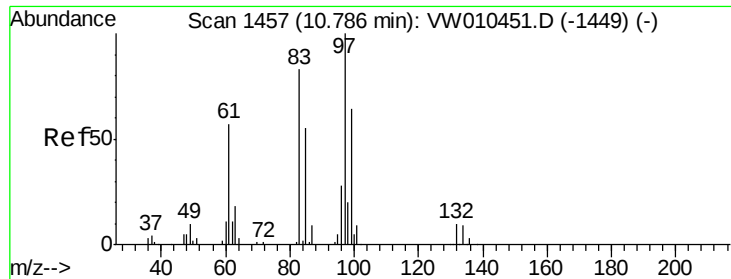
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 42.9 36.2 54.4

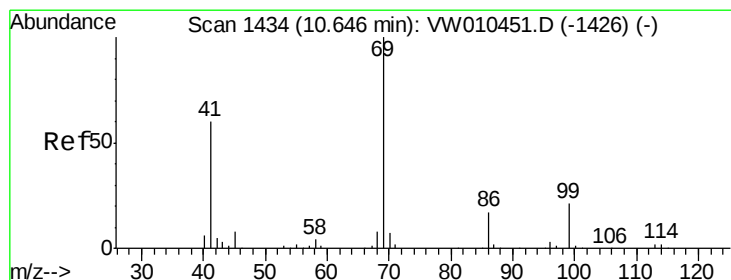
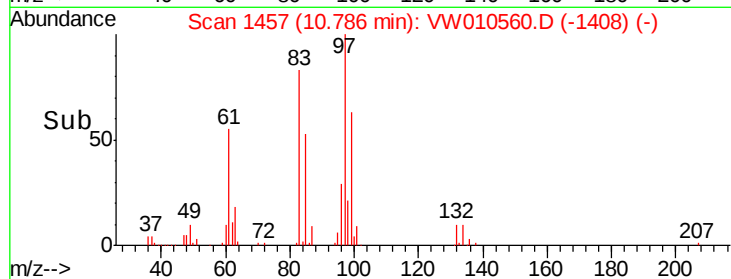
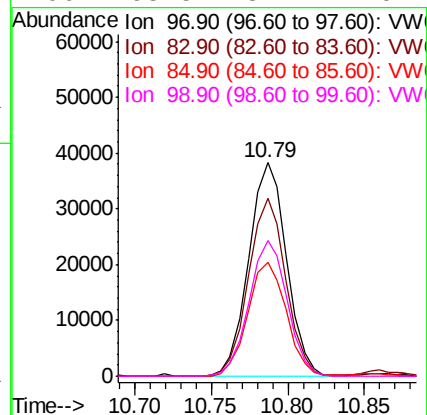
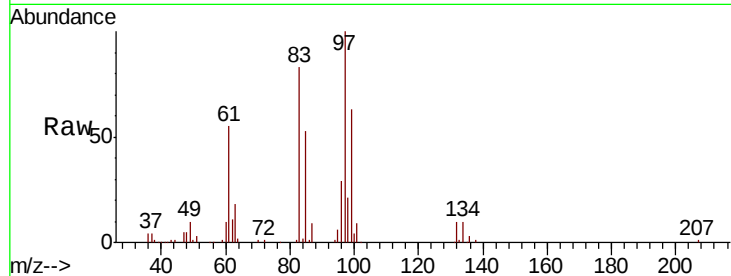




#55
 1,1,2-Trichloroethane
 Concen: 50.795 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

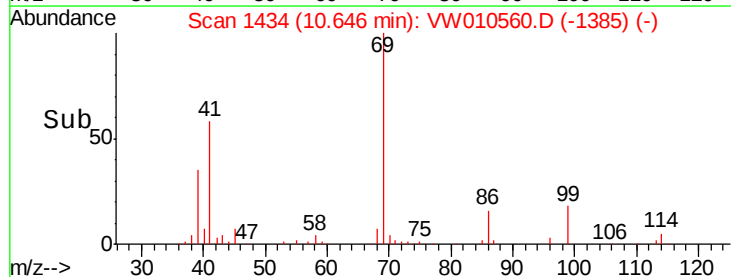
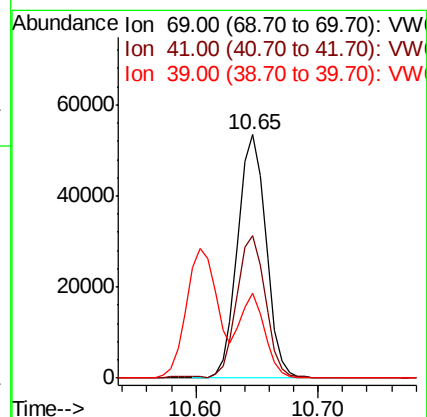
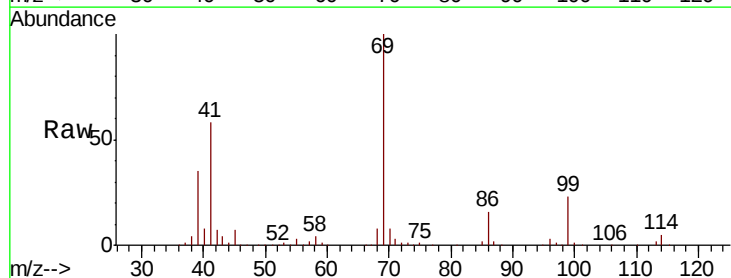
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

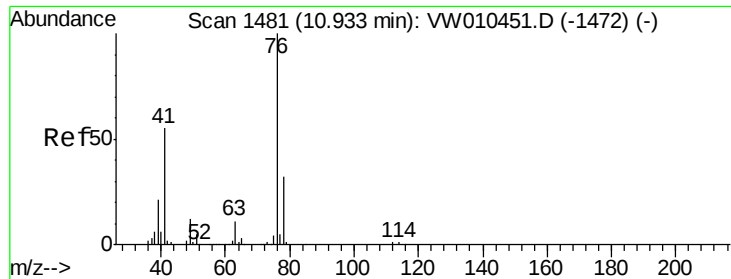
Tot Ion:	97	Resp:	65866
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.1	99.1
85	53.4	44.2	66.4
99	63.5	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 48.071 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion:	69	Resp:	85970
Ion	Ratio	Lower	Upper
69	100		
41	58.5	47.7	71.5
39	30.7	25.3	37.9

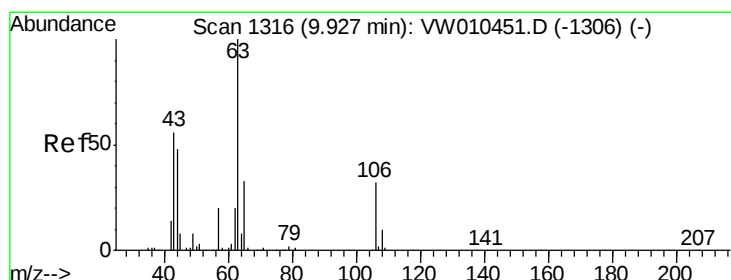
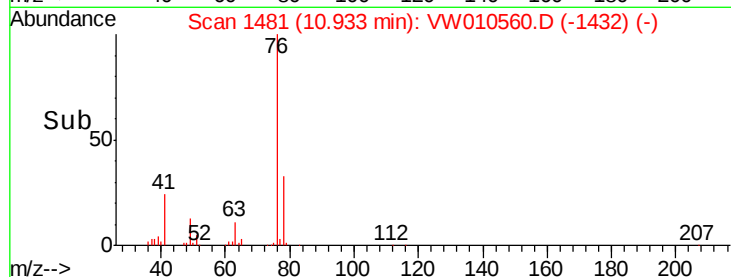
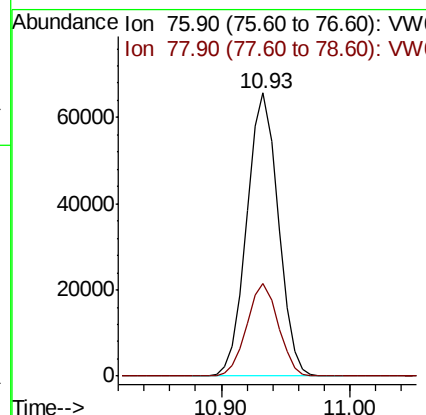
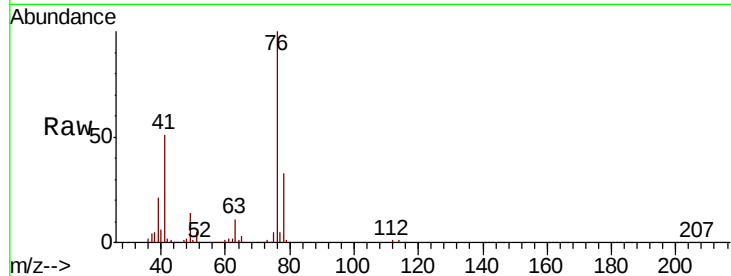




#57
 1,3-Dichloropropane
 Concen: 50.939 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

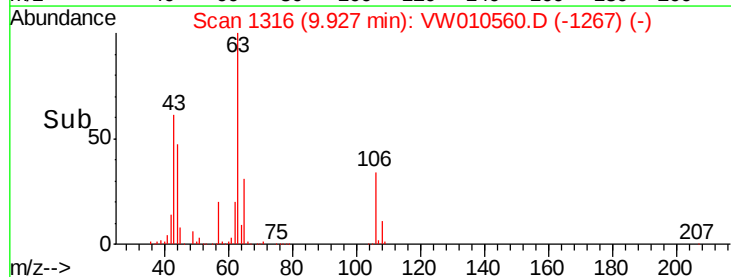
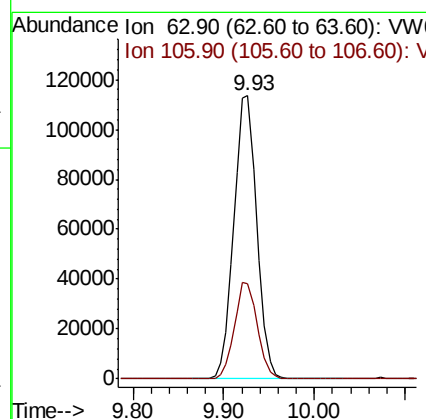
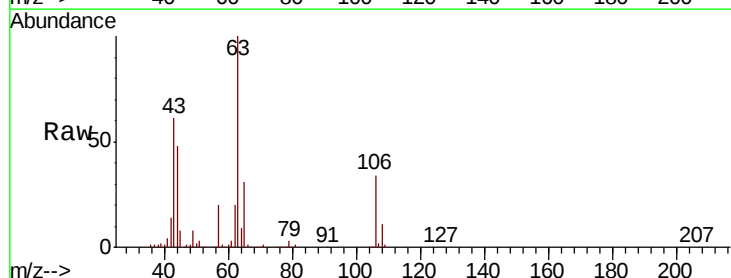
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

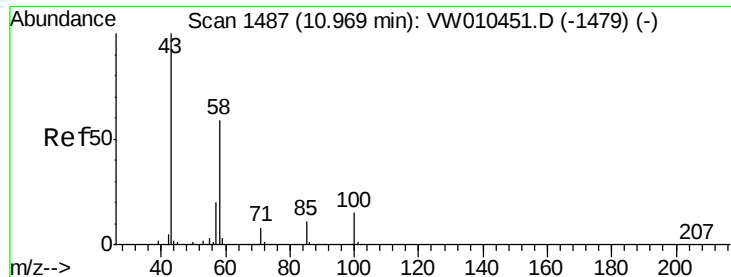
Tot Ion: 76 Resp: 110643
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.126 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 63 Resp: 198924
 Ion Ratio Lower Upper
 63 100
 106 34.1 25.8 38.6

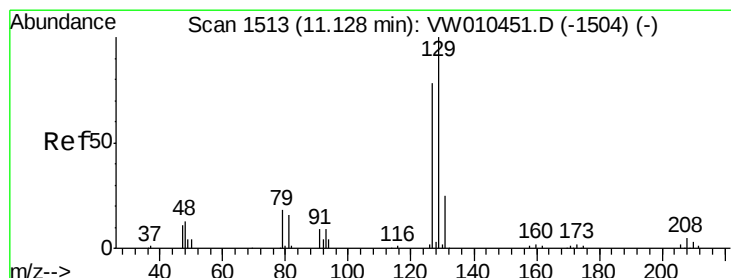
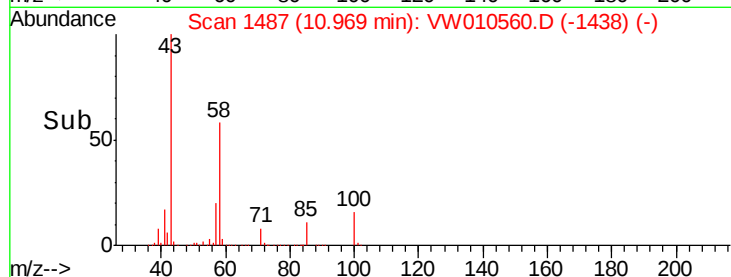
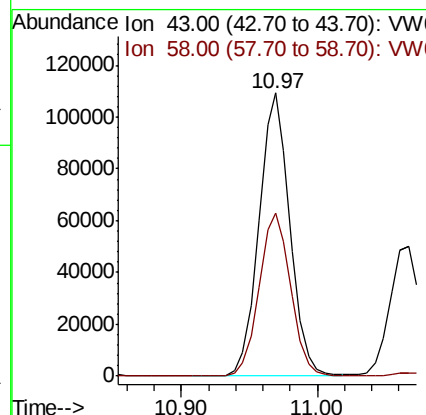
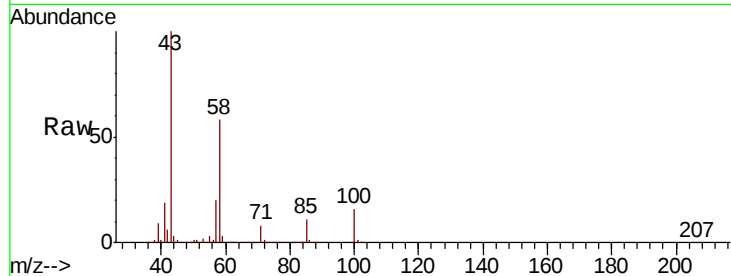




#59
2-Hexanone
Concen: 242.293 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

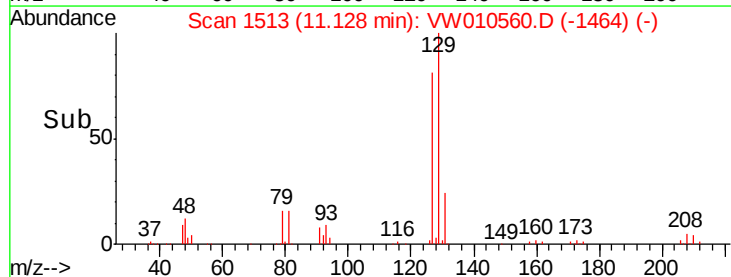
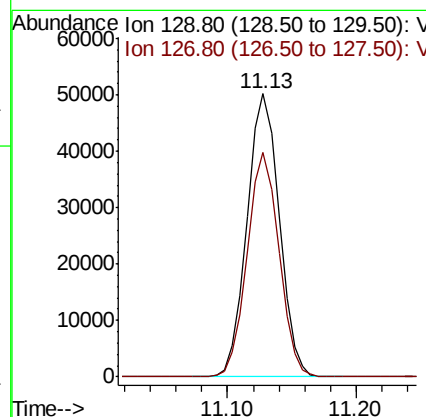
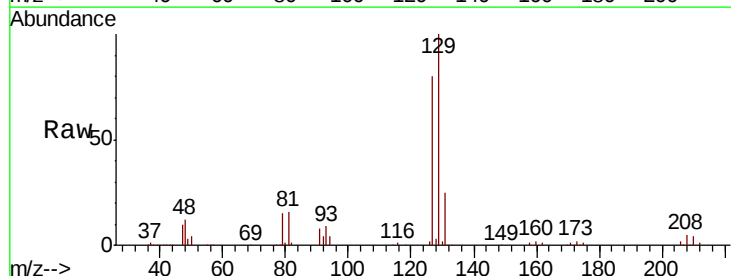
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

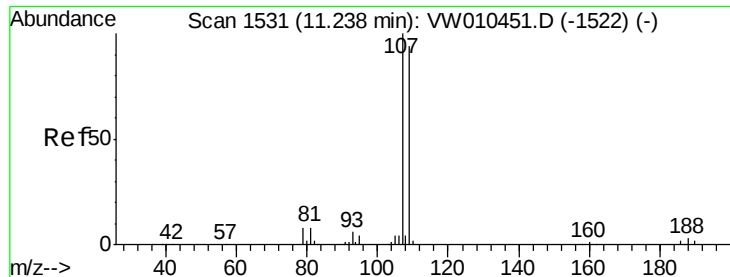
Tot Ion: 43 Resp: 173798
Ion Ratio Lower Upper
43 100
58 59.0 28.9 86.8



#60
Dibromochloromethane
Concen: 52.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 129 Resp: 86853
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

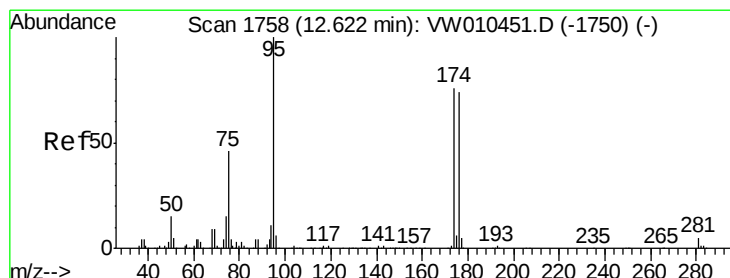
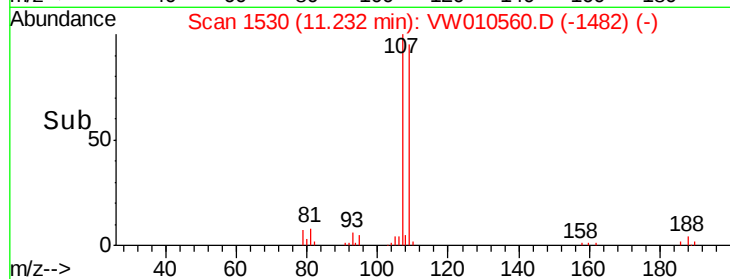
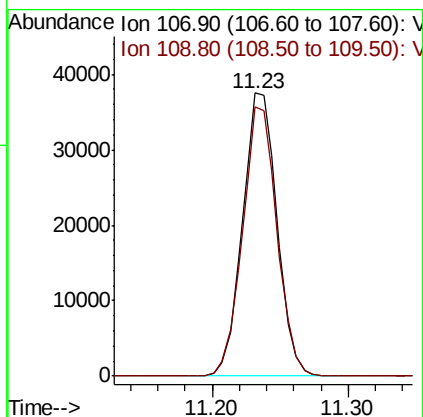
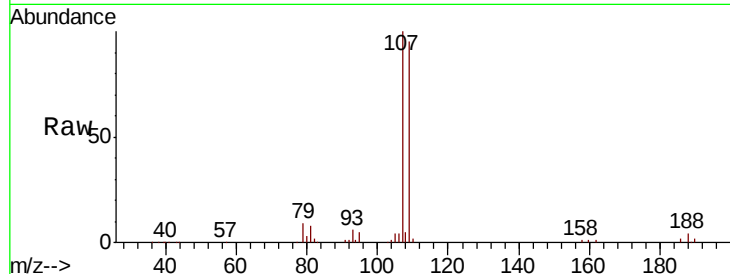




#61
 1,2-Dibromoethane
 Concen: 50.675 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

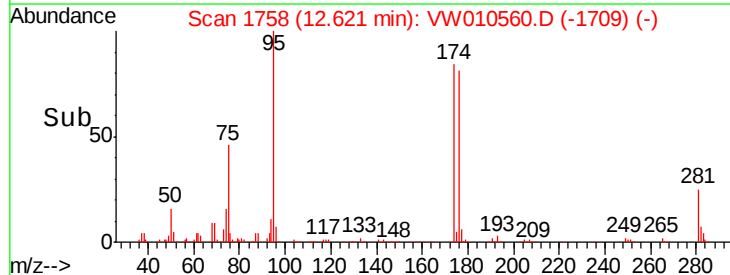
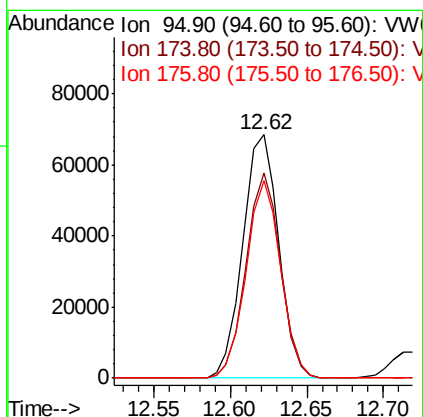
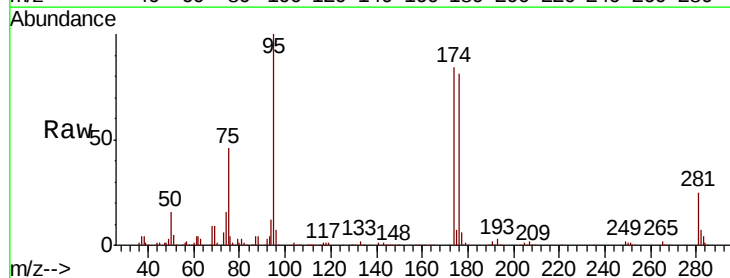
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

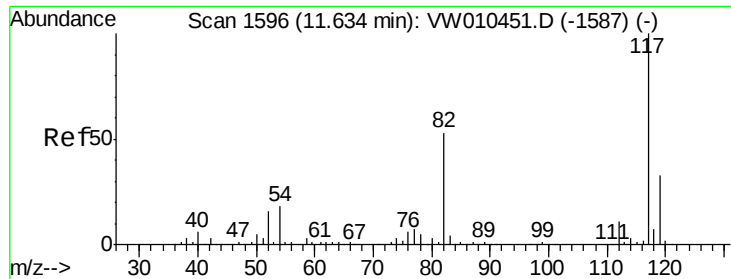
Tot Ion: 107 Resp: 66564
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 48.318 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 95 Resp: 111865
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 148.6
 176 78.2 0.0 144.2

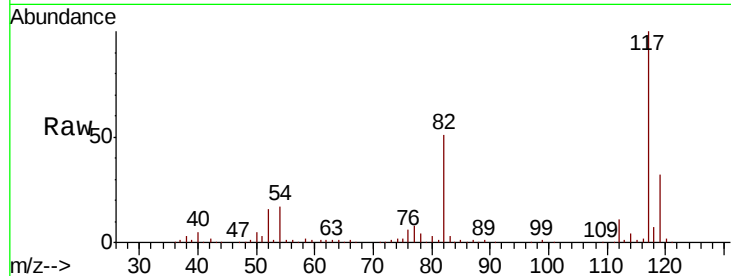




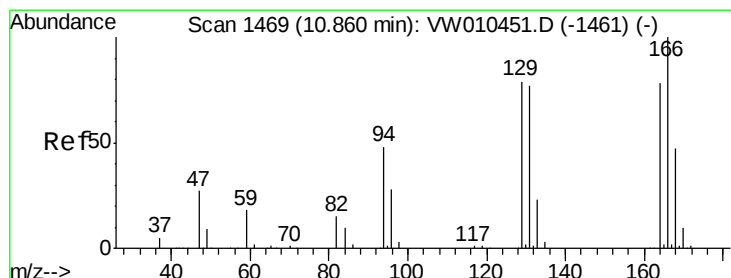
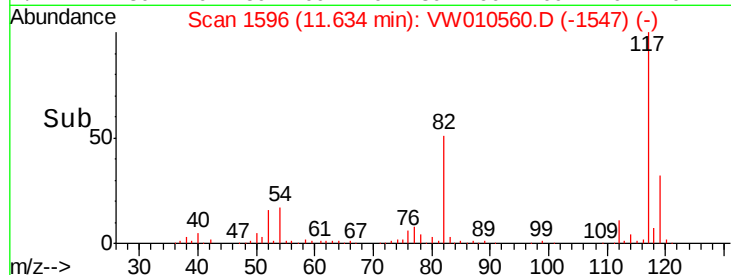
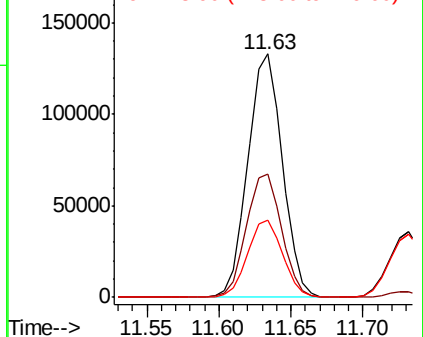
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 220426
Ion Ratio Lower Upper
117 100
82 50.8 42.8 64.2
119 31.7 26.3 39.5

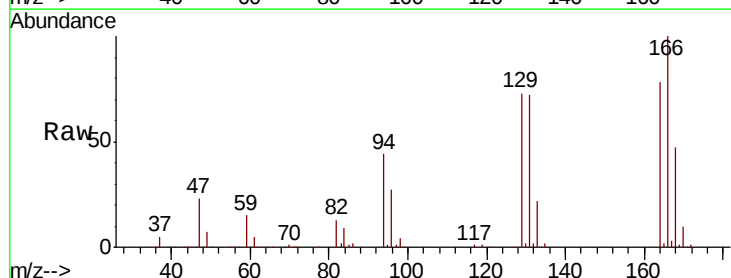


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

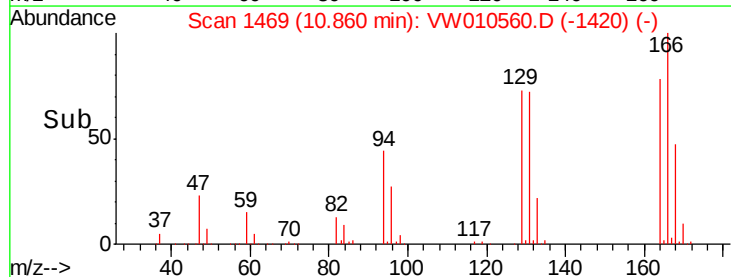
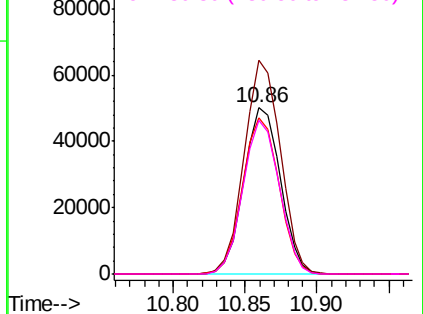


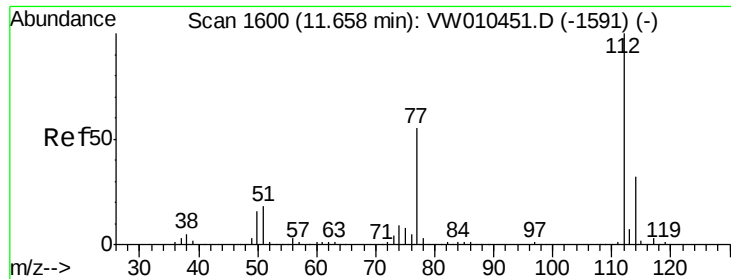
#64
Tetrachloroethene
Concen: 57.452 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:164 Resp: 88280
Ion Ratio Lower Upper
164 100
166 128.4 101.9 152.9
129 94.0 80.6 121.0
131 92.2 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

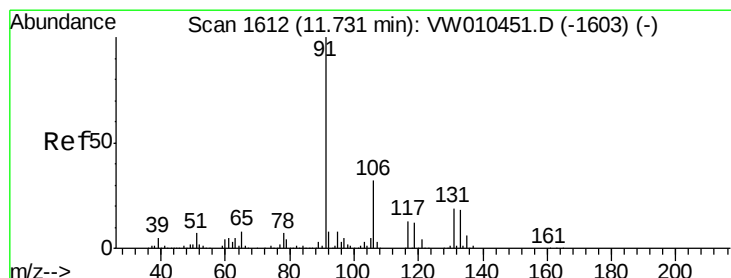
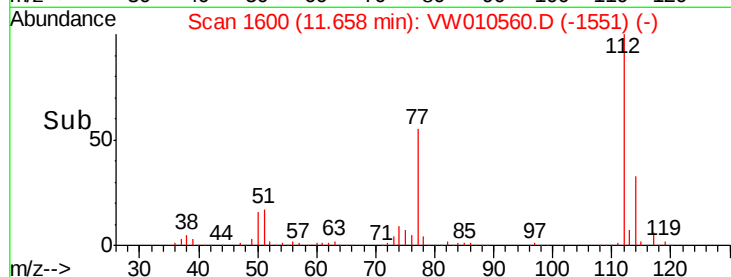
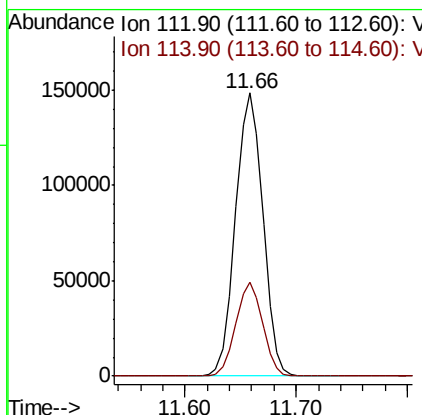
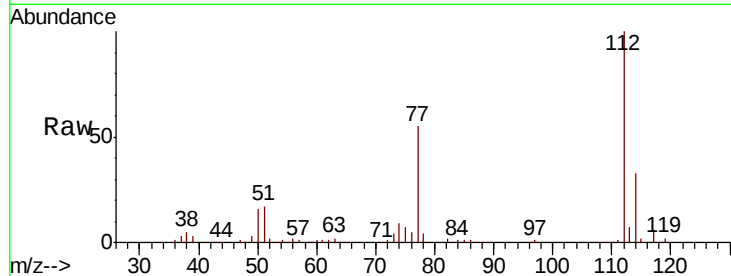




#65
Chlorobenzene
Concen: 53.758 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

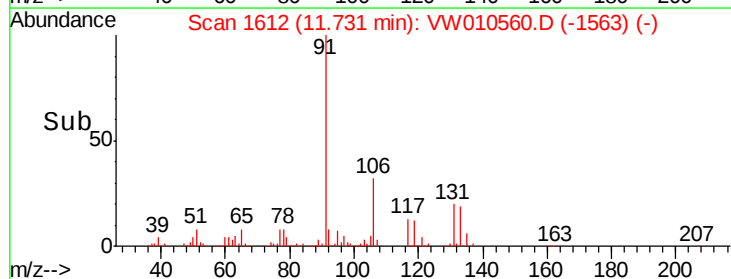
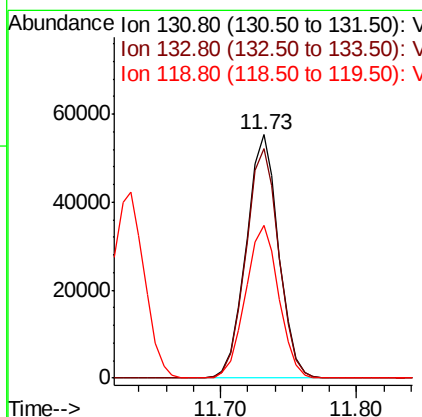
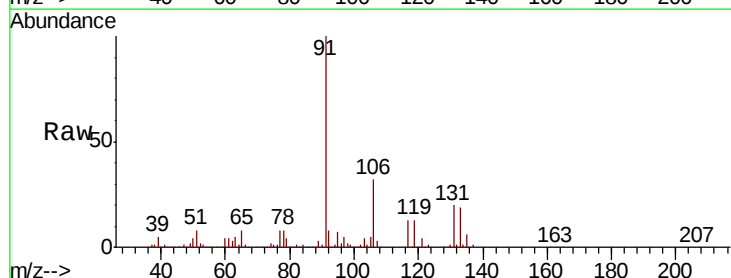
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

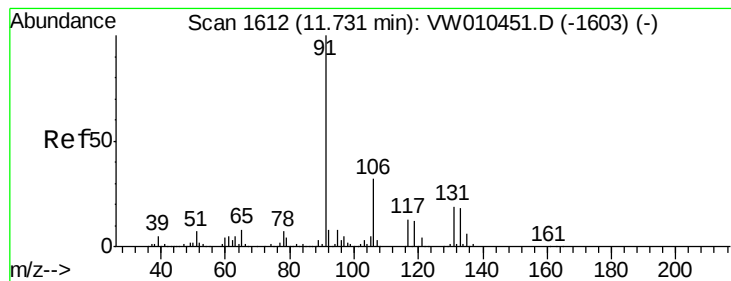
Tot Ion:112 Resp: 252546
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.698 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:131 Resp: 92049
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 64.4 32.1 96.5





#67

Ethyl Benzene

Concen: 53.096 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

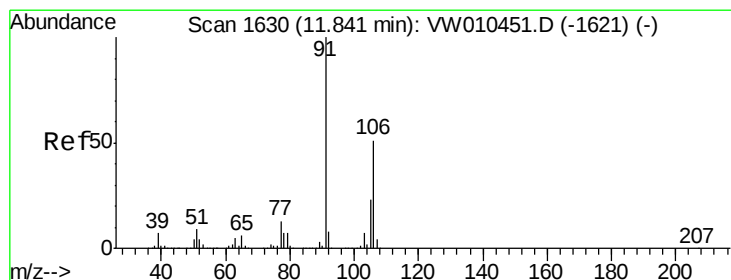
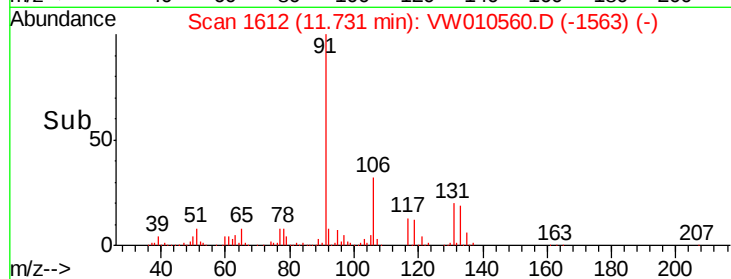
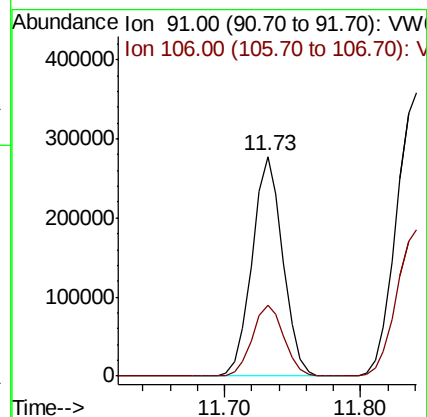
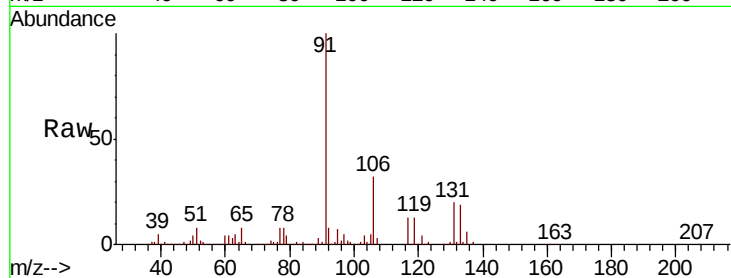
VSTDCCC050

Tot Ion: 91 Resp: 440385

Ion Ratio Lower Upper

91 100

106 32.2 25.9 38.9



#68

m/p-Xylenes

Concen: 107.716 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010560.D

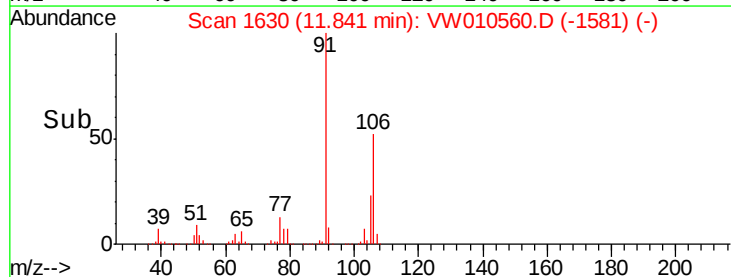
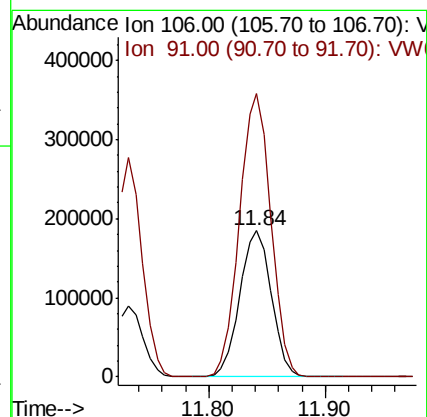
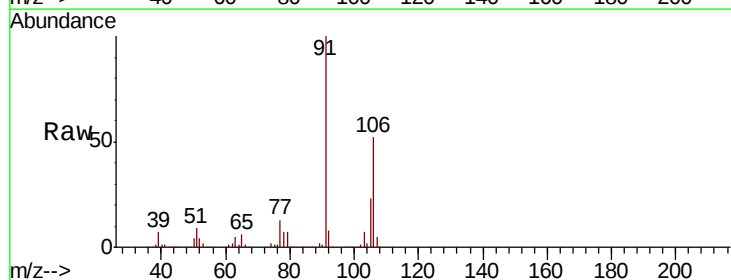
Acq: 28 May 2019 11:46

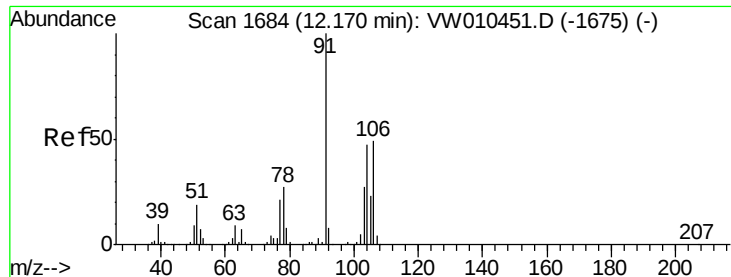
Tgt Ion: 106 Resp: 350424

Ion Ratio Lower Upper

106 100

91 192.4 156.0 234.0

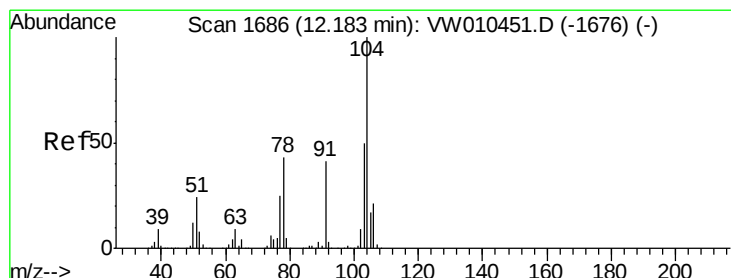
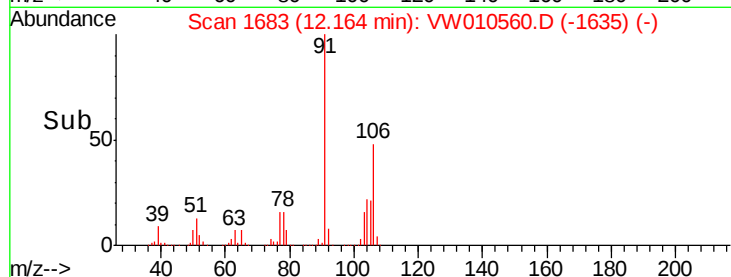
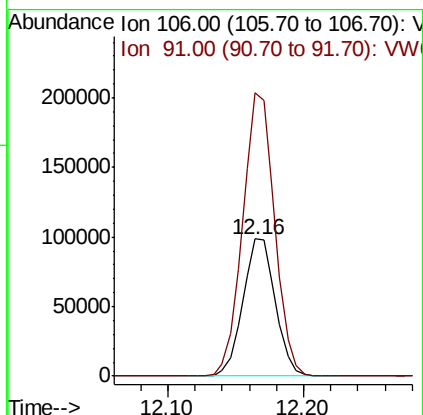
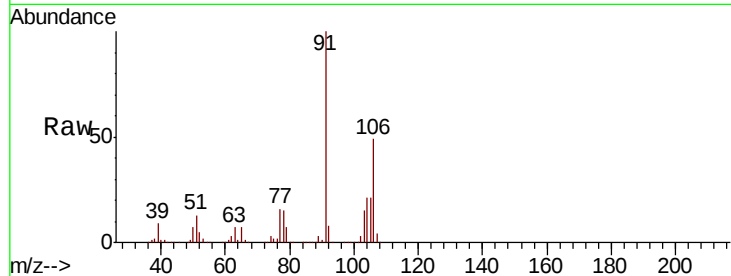




#69
o-Xylene
Concen: 53.233 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

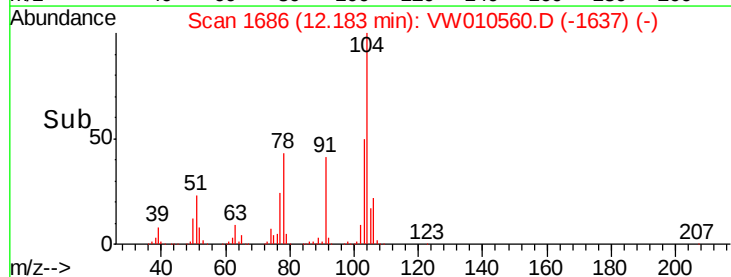
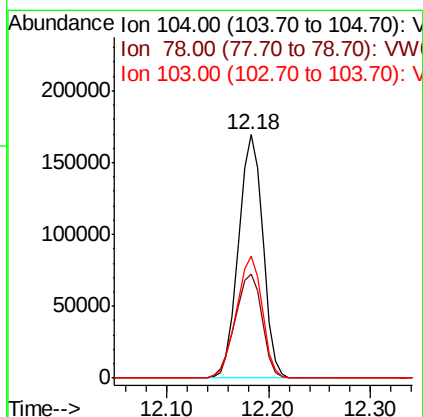
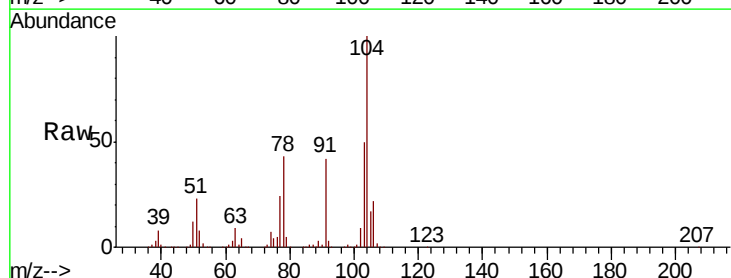
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

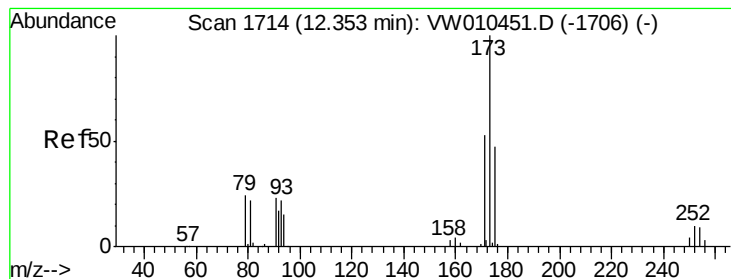
Tot Ion:106 Resp: 164079
Ion Ratio Lower Upper
106 100
91 203.9 103.2 309.4



#70
Styrene
Concen: 53.331 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:104 Resp: 278909
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.4
103 53.3 43.0 64.6





#71

Bromoform

Concen: 53.655 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

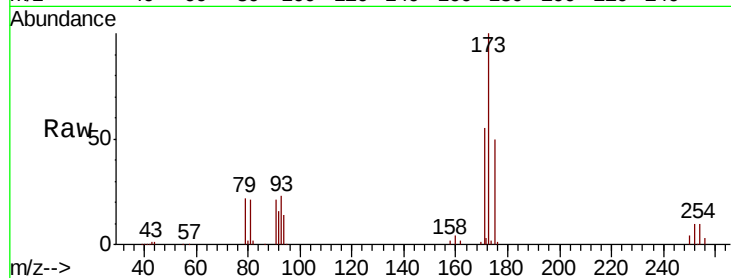
Tot Ion:173 Resp: 49723

Ion Ratio Lower Upper

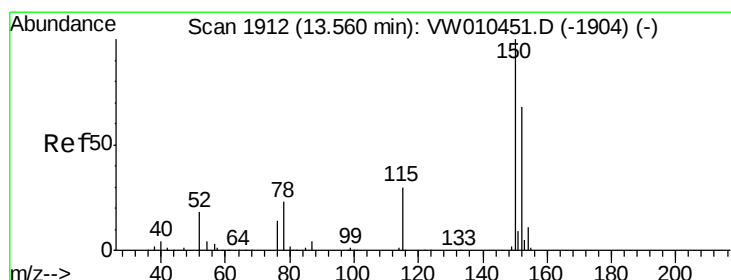
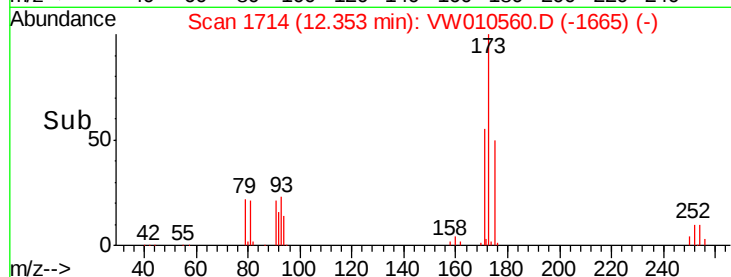
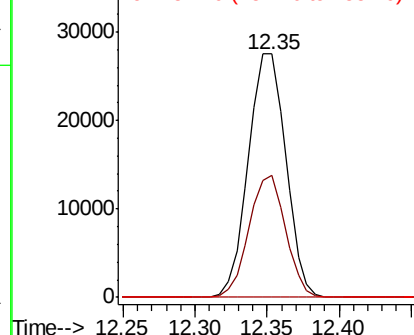
173 100

175 48.7 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

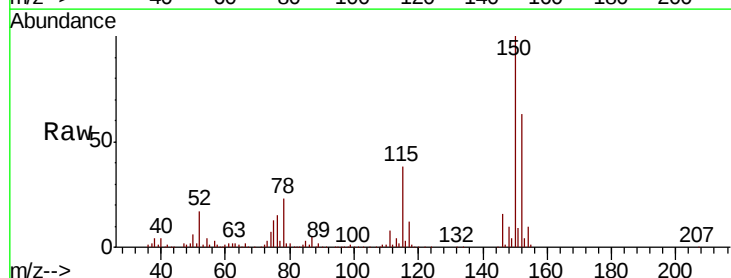
Tgt Ion:152 Resp: 109487

Ion Ratio Lower Upper

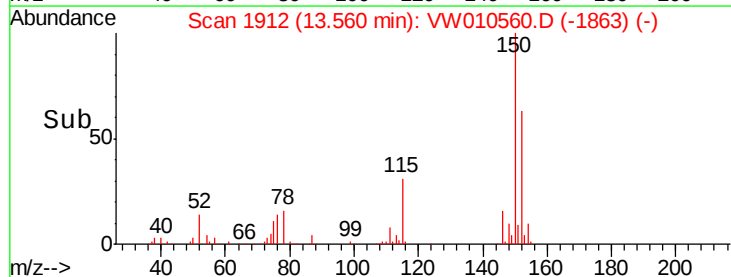
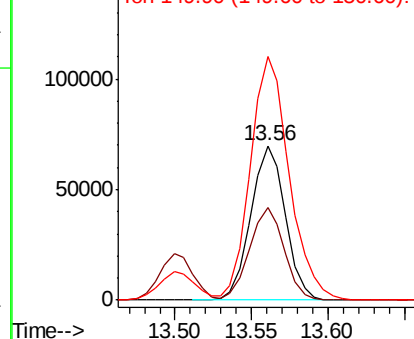
152 100

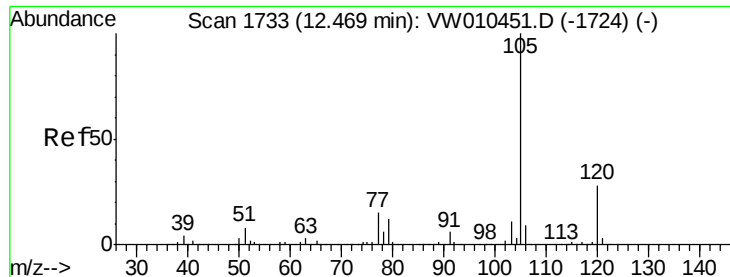
115 59.7 30.3 91.0

150 176.9 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: 52.382 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

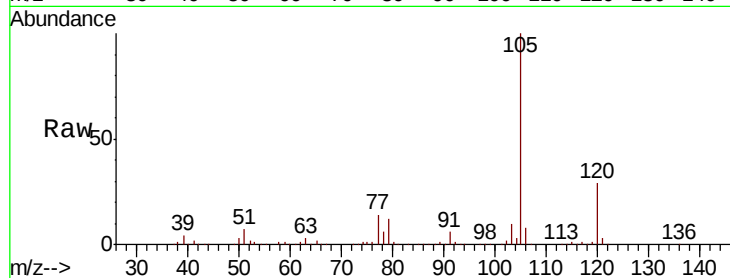
VSTDCCC050

Tot Ion:105 Resp: 455103

Ion Ratio Lower Upper

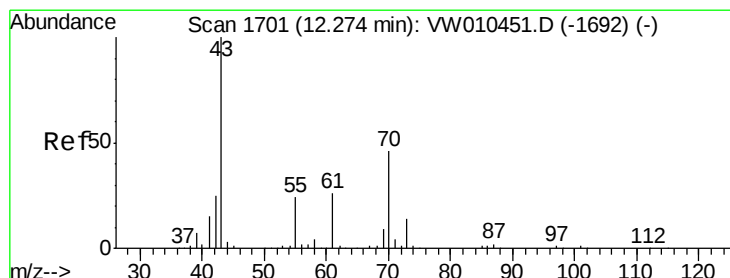
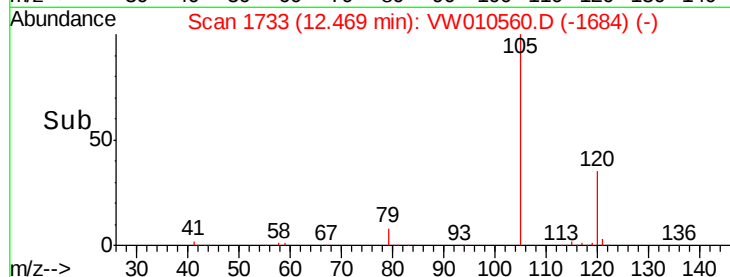
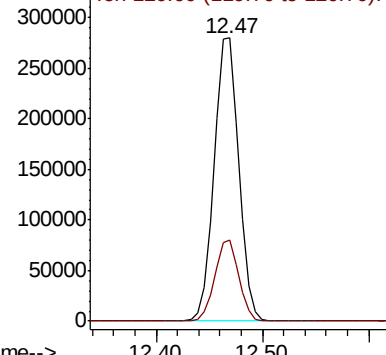
105 100

120 28.1 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.703 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 90992

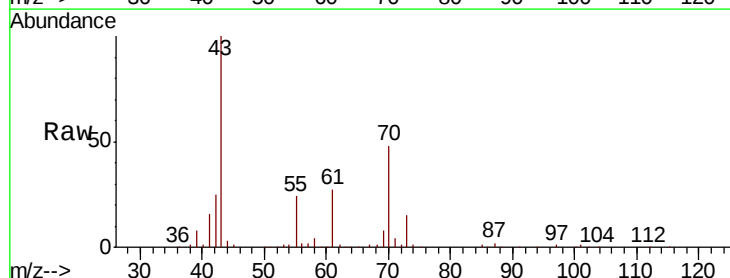
Ion Ratio Lower Upper

43 100

70 47.9 37.1 55.7

55 24.5 19.6 29.4

61 26.4 20.7 31.1

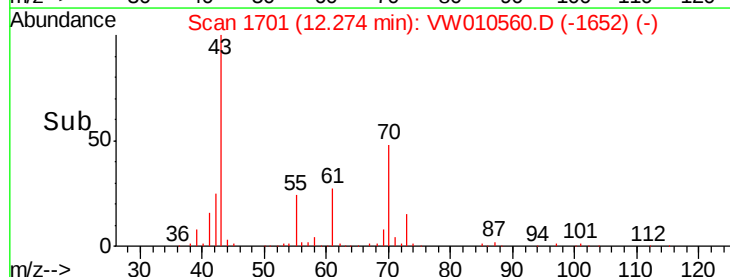
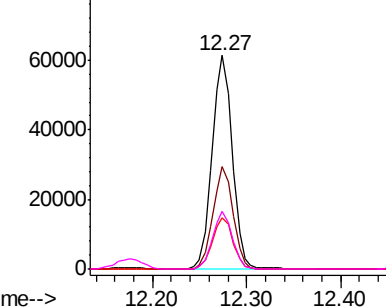


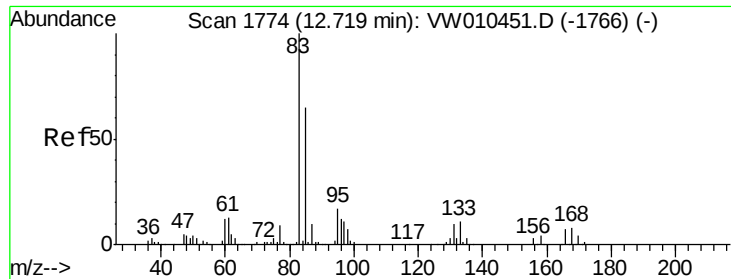
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 46.693 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

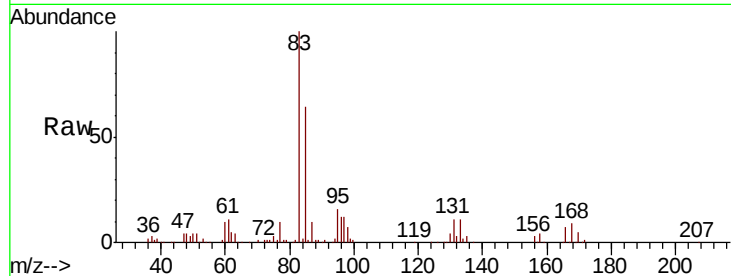
Tot Ion: 83 Resp: 73788

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

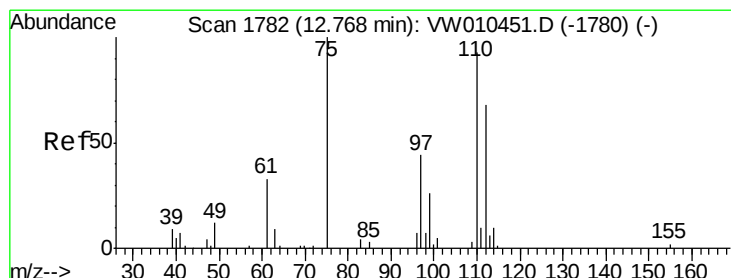
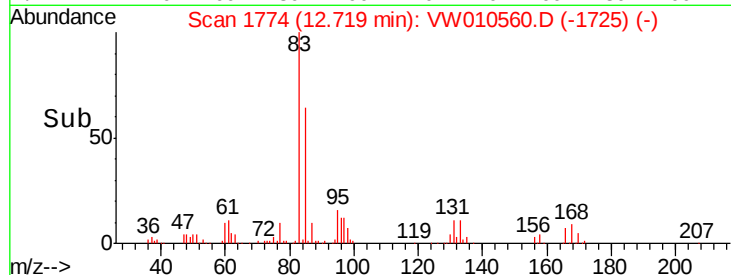
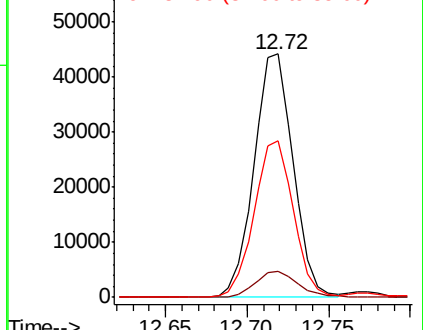
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 86.483 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010560.D

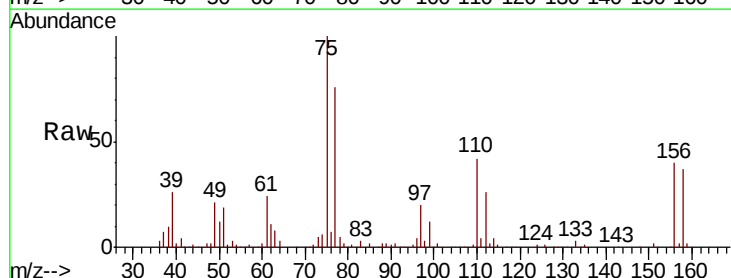
Acq: 28 May 2019 11:46

Tgt Ion: 75 Resp: 96114

Ion Ratio Lower Upper

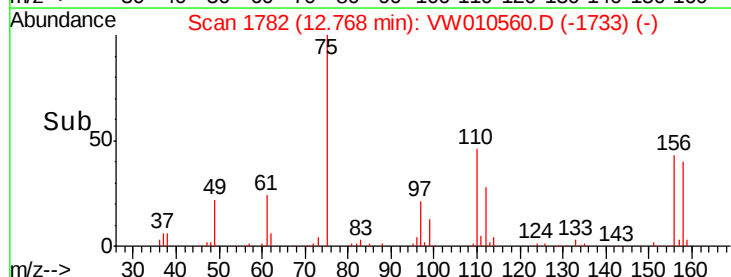
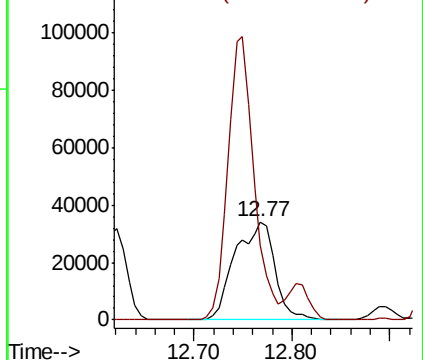
75 100

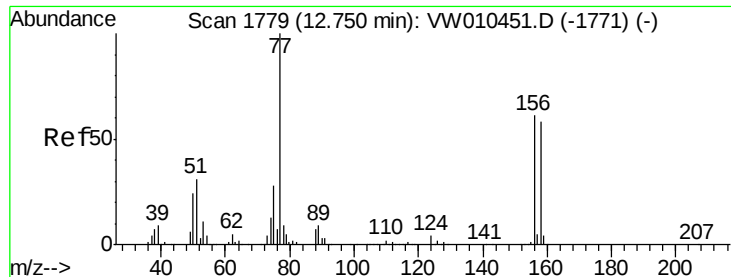
77 189.8 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.826 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

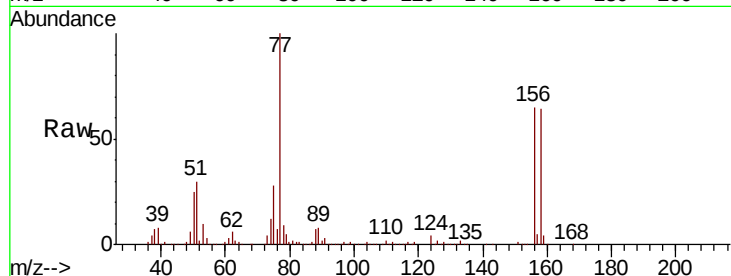
Tot Ion:156 Resp: 106595

Ion Ratio Lower Upper

156 100

77 171.2 92.4 277.2

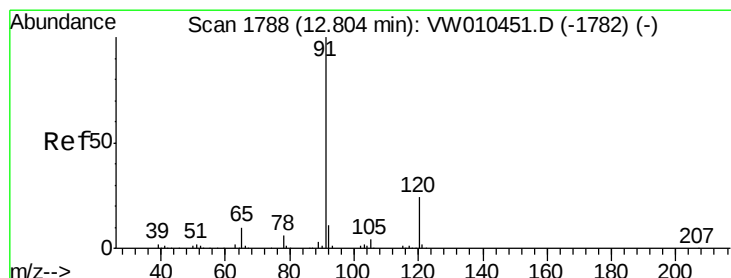
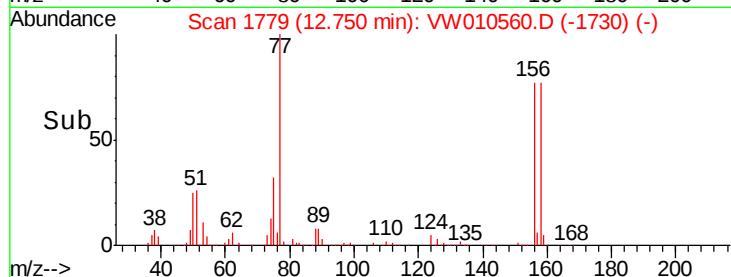
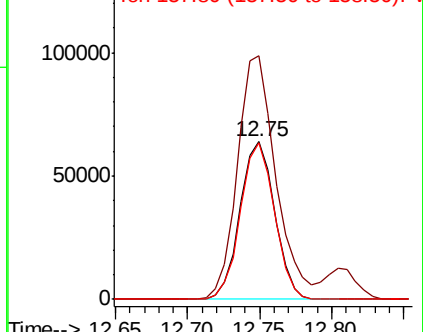
158 97.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.476 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010560.D

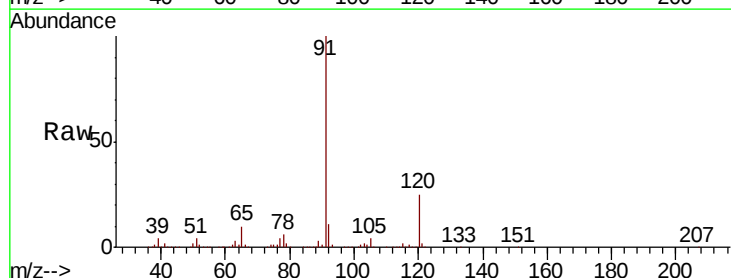
Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 521197

Ion Ratio Lower Upper

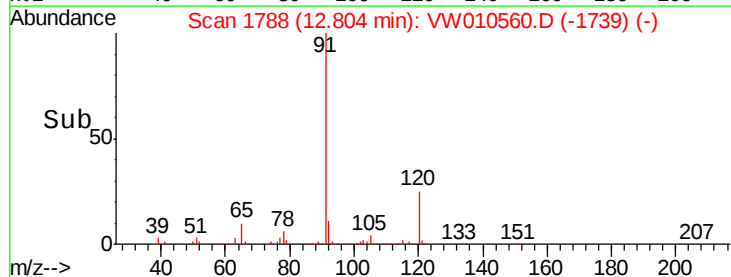
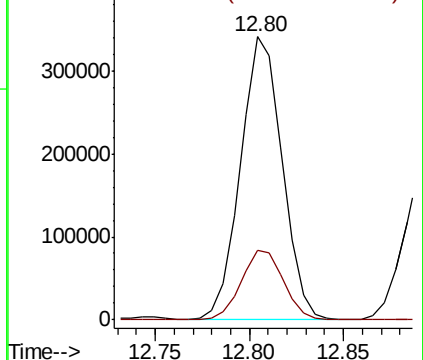
91 100

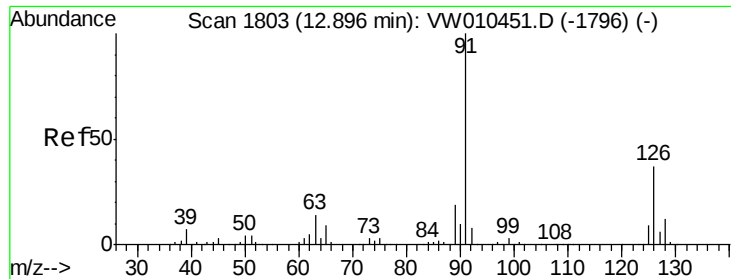
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.713 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

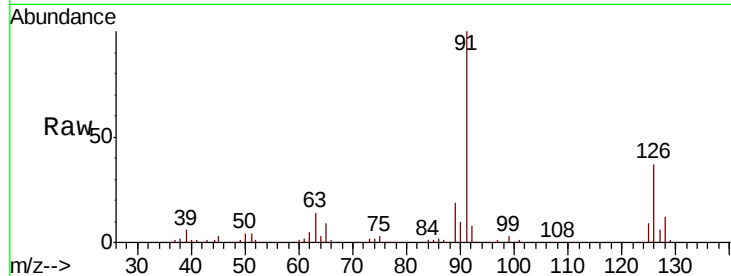
VSTDCCC050

Tot Ion: 91 Resp: 297770

Ion Ratio Lower Upper

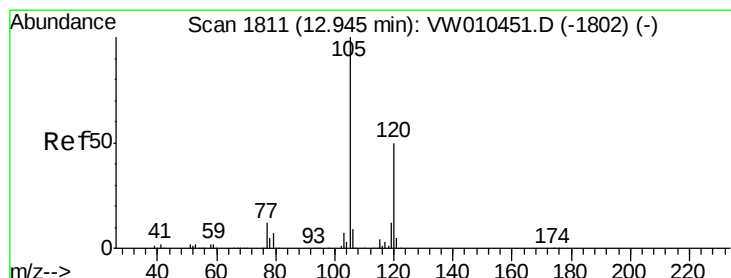
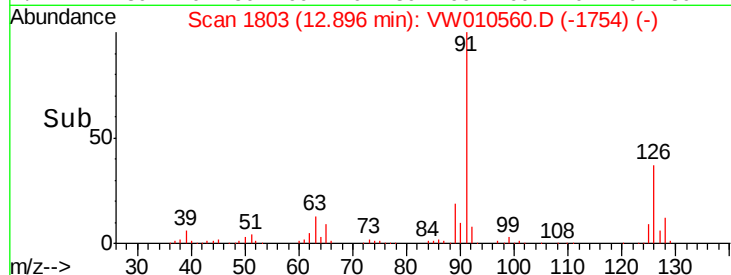
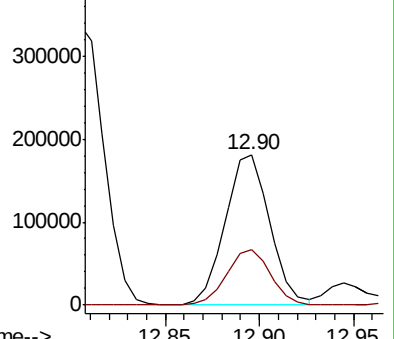
91 100

126 36.4 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: 51.532 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010560.D

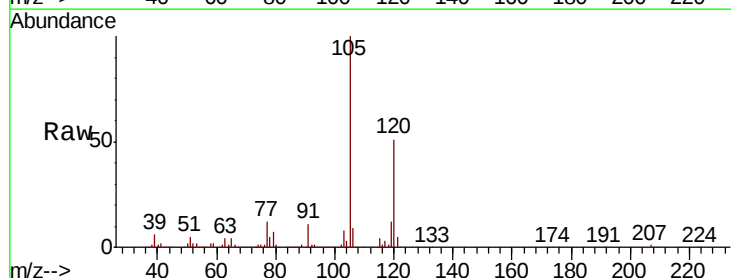
Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 379195

Ion Ratio Lower Upper

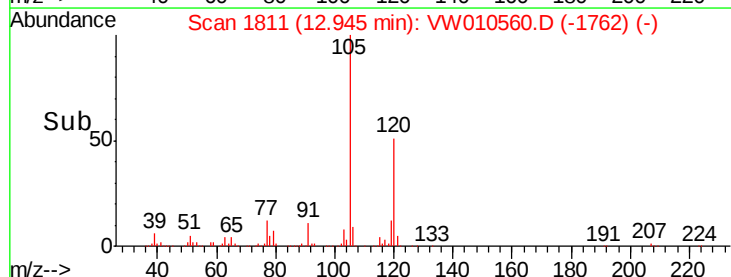
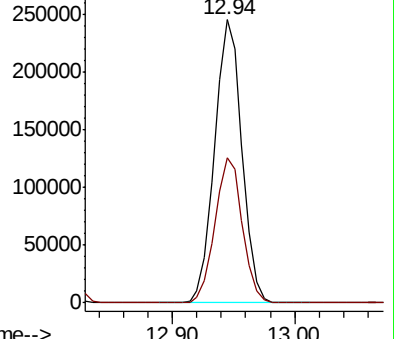
105 100

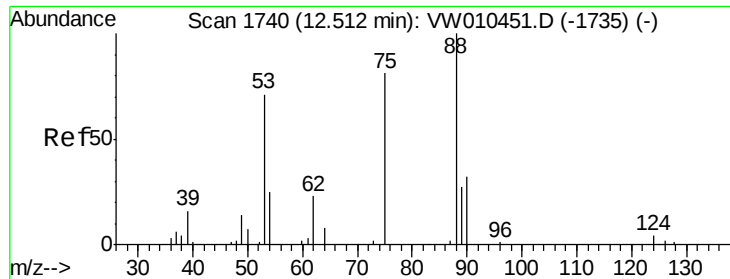
120 51.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.348 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

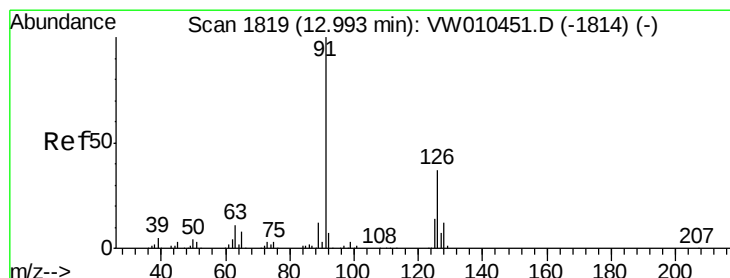
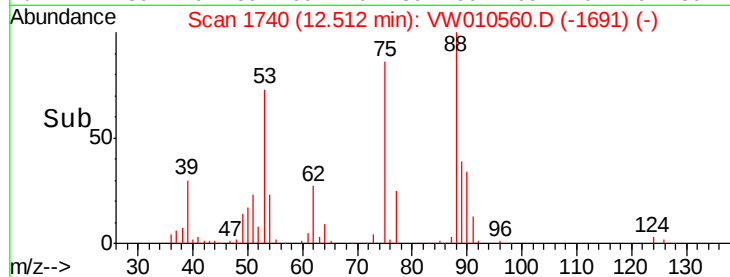
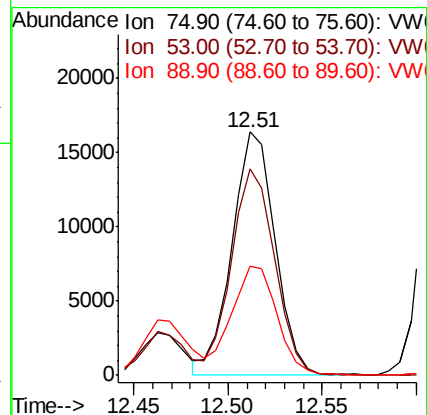
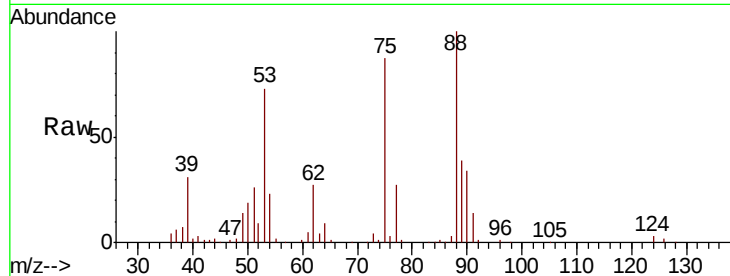
Tot Ion: 75 Resp: 25746

Ion Ratio Lower Upper

75 100

53 86.0 69.8 104.8

89 47.8 39.5 59.3



#82

4-Chlorotoluene

Concen: 50.872 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010560.D

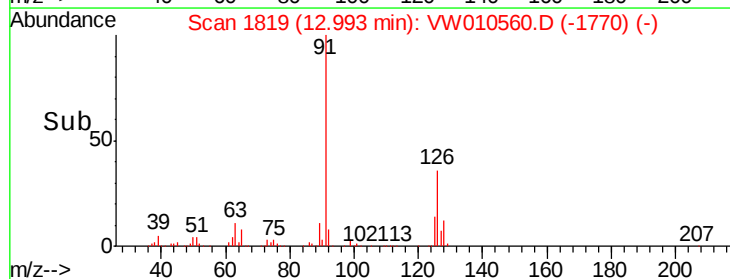
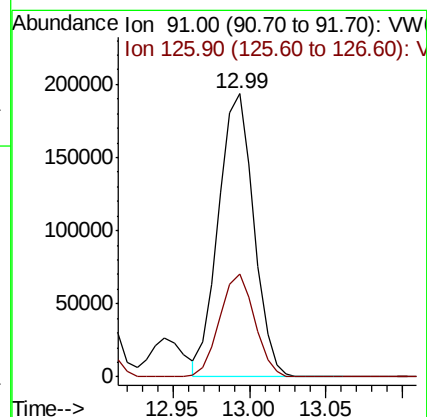
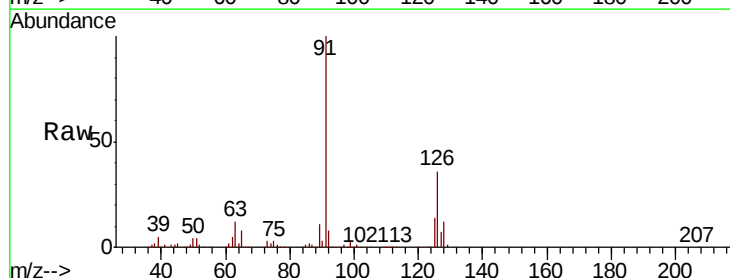
Acq: 28 May 2019 11:46

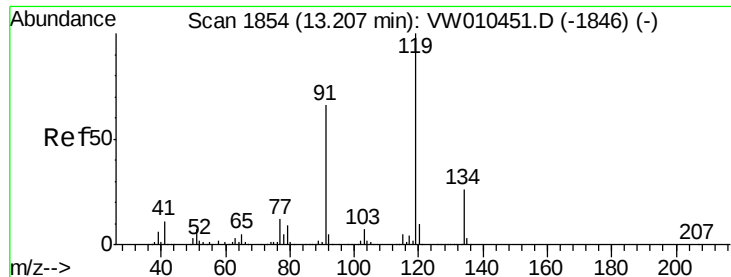
Tgt Ion: 91 Resp: 310044

Ion Ratio Lower Upper

91 100

126 36.2 17.5 52.6

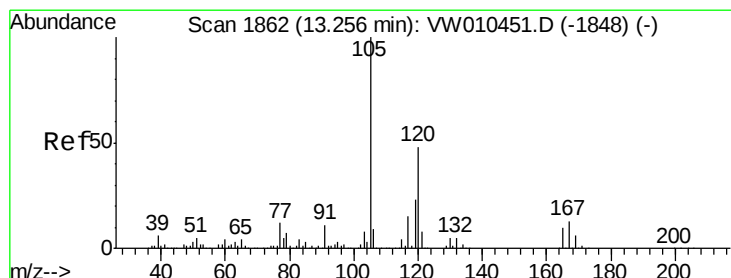
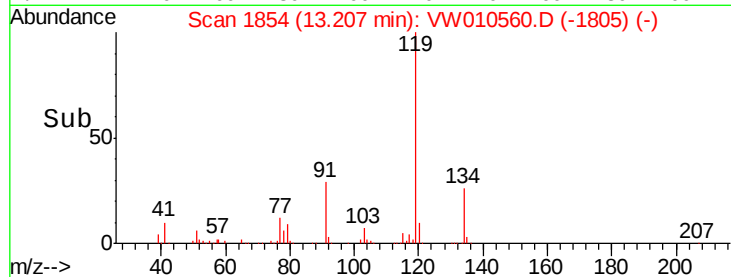
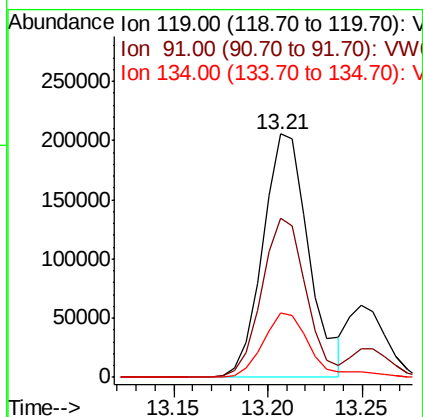
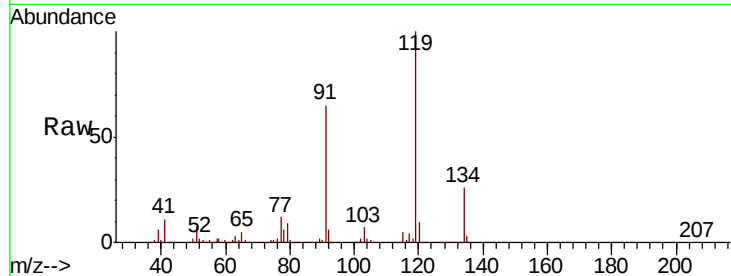




#83
tert-Butylbenzene
Concen: 54.149 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

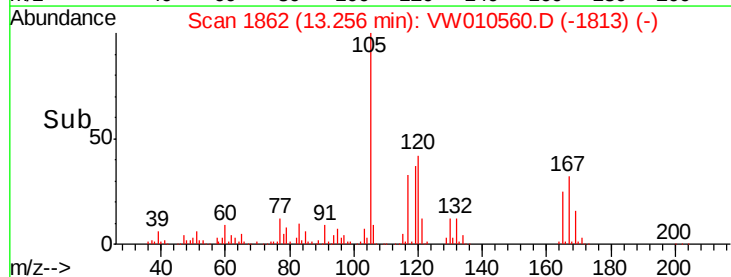
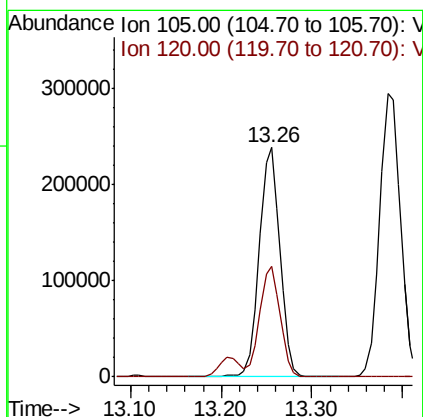
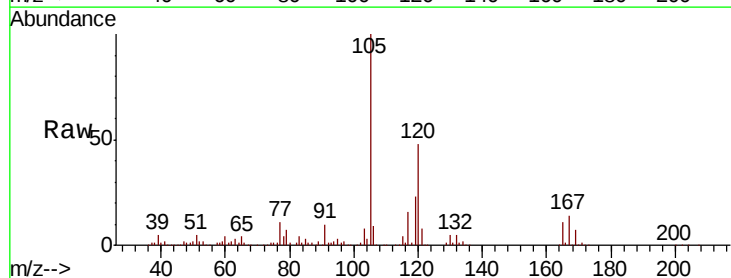
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

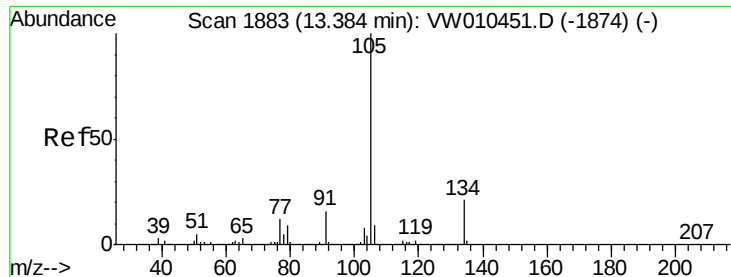
Tot Ion:119 Resp: 348047
Ion Ratio Lower Upper
119 100
91 63.0 33.1 99.5
134 27.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 51.248 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 375585
Ion Ratio Lower Upper
105 100
120 47.7 23.4 70.2





#85

sec-Butylbenzene

Concen: 52.387 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

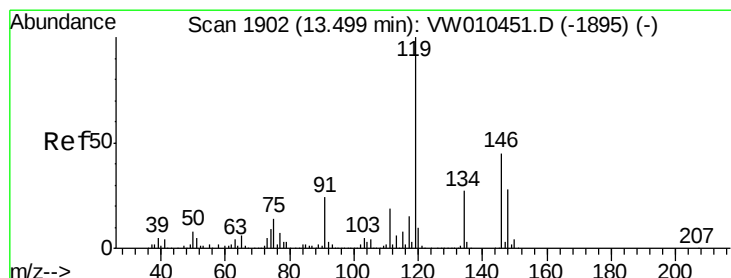
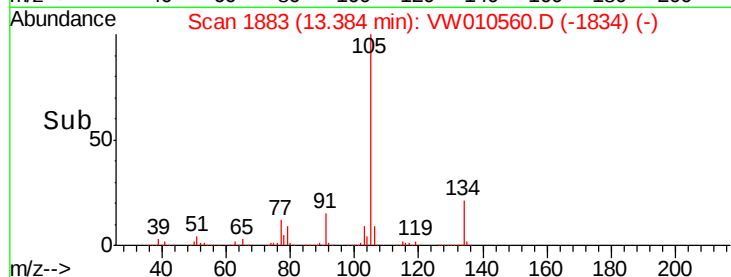
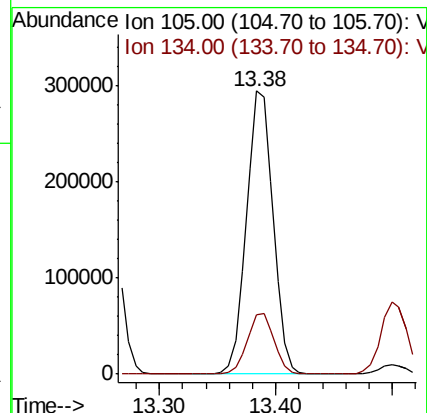
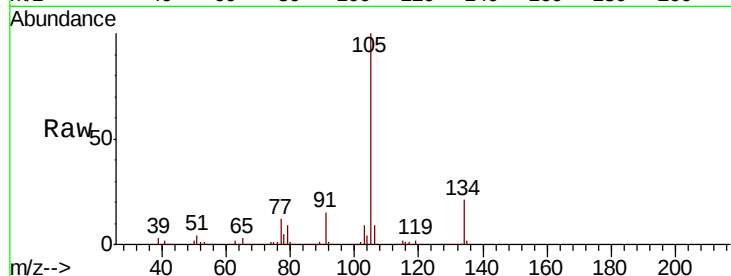
VSTDCCC050

Tot Ion:105 Resp: 471220

Ion Ratio Lower Upper

105 100

134 21.5 10.5 31.6



#86

p-Isopropyltoluene

Concen: 52.735 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

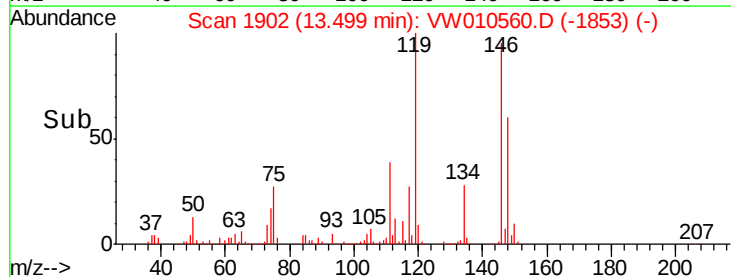
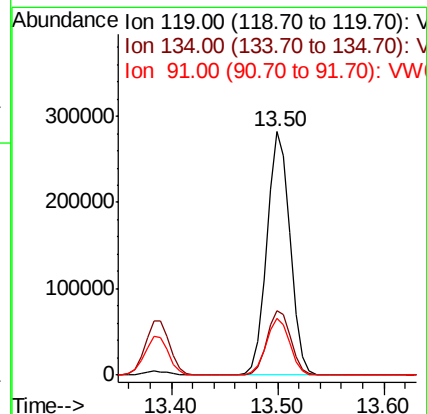
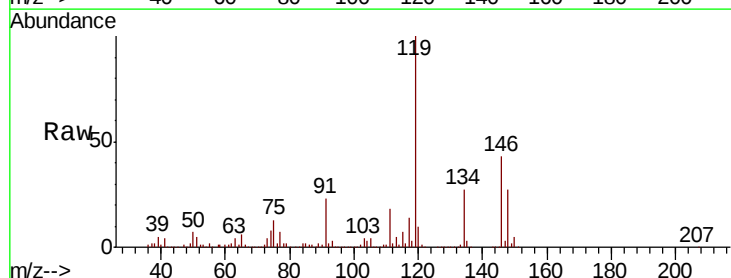
Tgt Ion:119 Resp: 429349

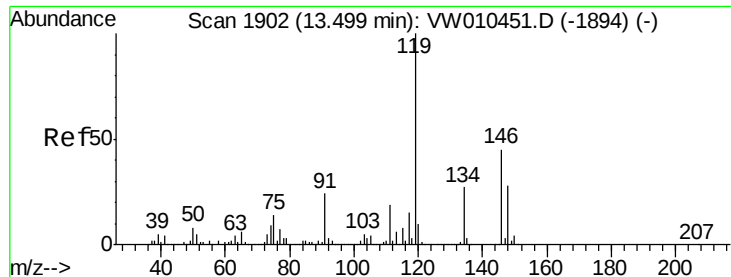
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.5 11.9 35.7

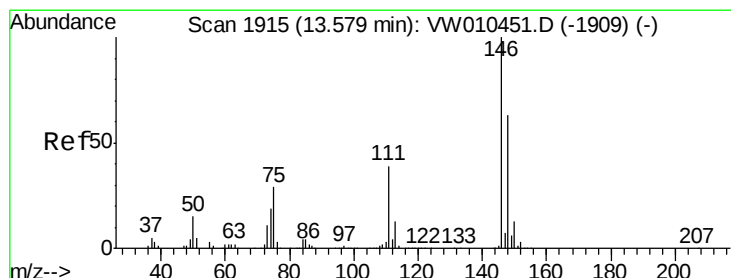
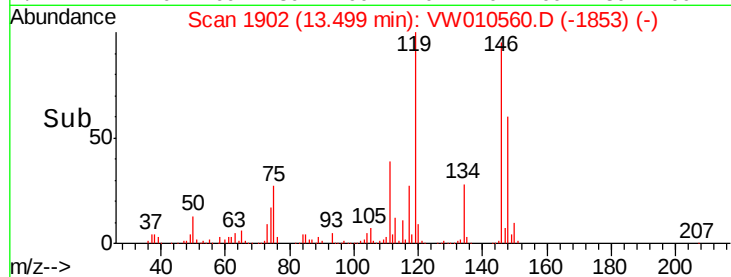
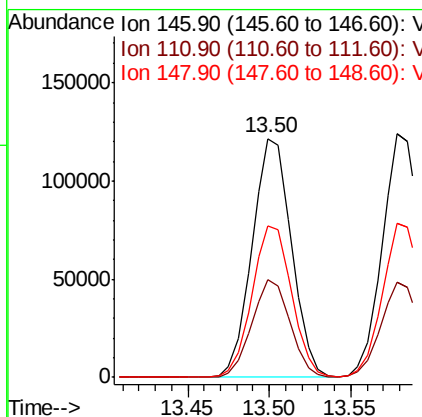
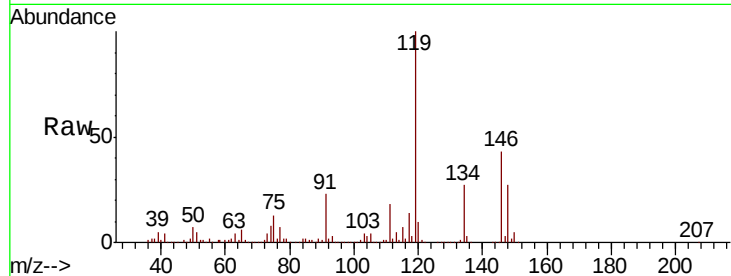




#87
 1,3-Dichlorobenzene
 Concen: 53.248 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

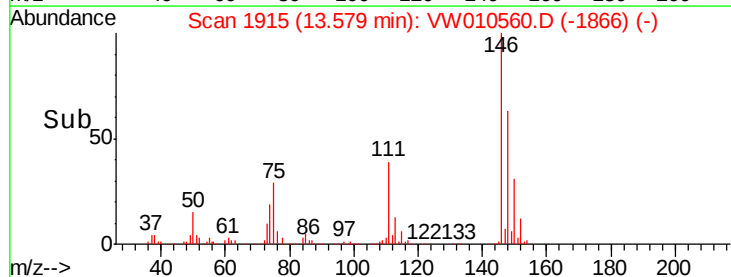
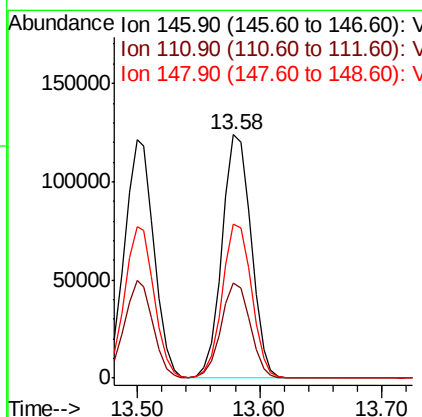
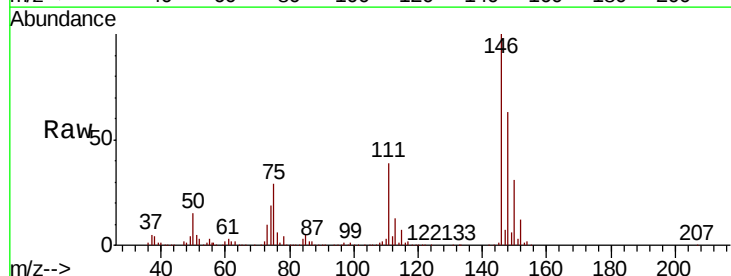
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

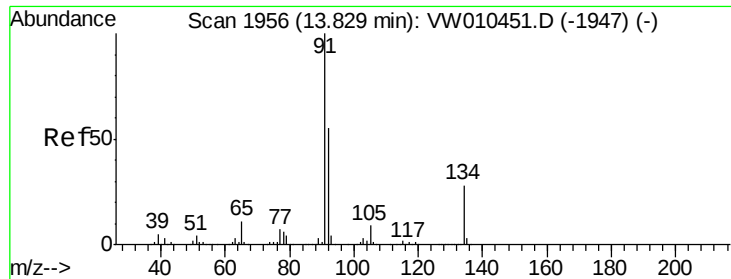
Tot Ion:146 Resp: 203115
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.3 60.9
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 53.356 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion:146 Resp: 204202
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.9 59.6
 148 63.8 31.6 94.8





#89

n-Butylbenzene

Concen: 51.834 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

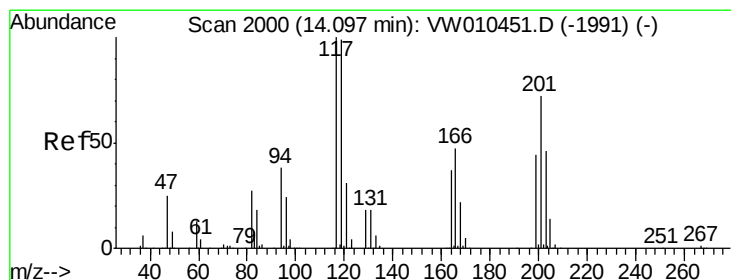
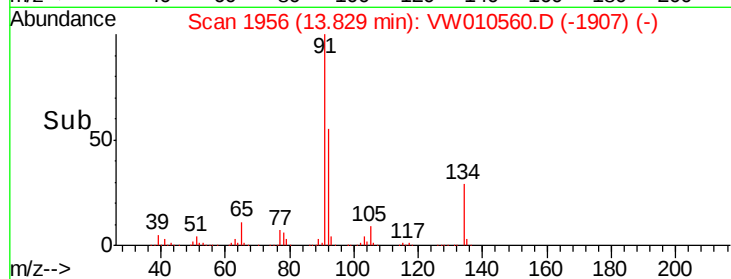
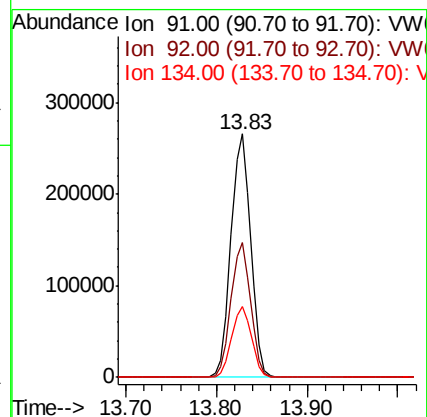
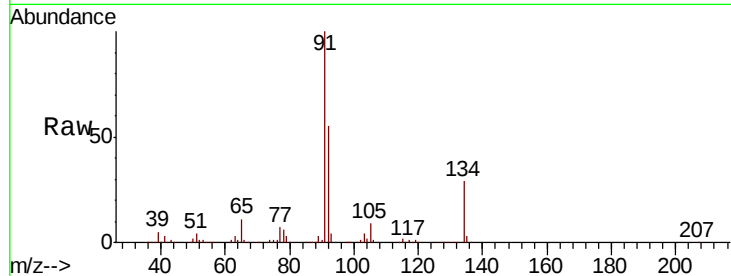
Tot Ion: 91 Resp: 401414

Ion Ratio Lower Upper

91 100

92 55.2 27.7 83.1

134 29.2 13.9 41.6



#90

Hexachloroethane

Concen: 53.793 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010560.D

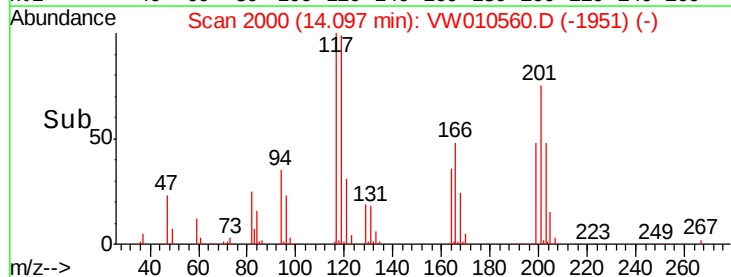
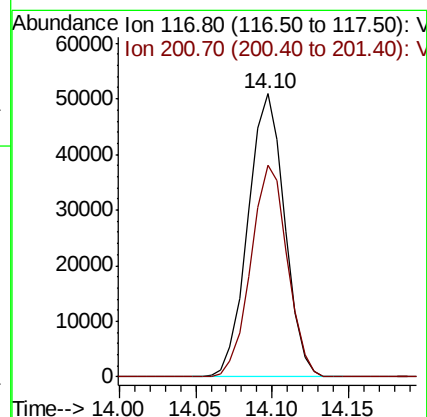
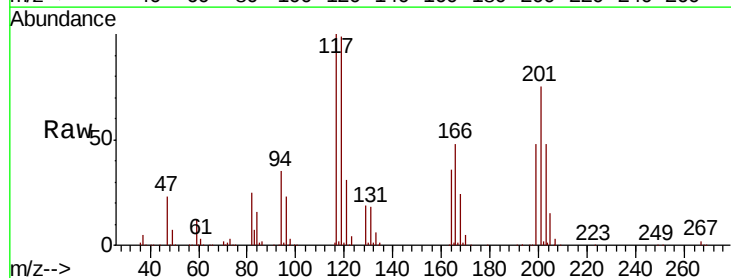
Acq: 28 May 2019 11:46

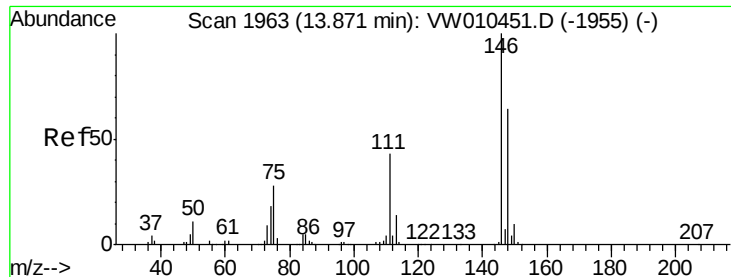
Tgt Ion: 117 Resp: 84771

Ion Ratio Lower Upper

117 100

201 74.8 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 53.143 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

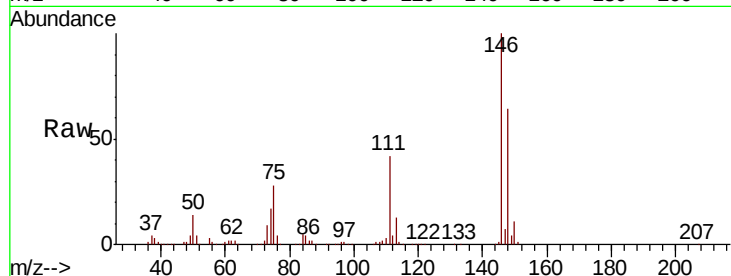
Tot Ion:146 Resp: 184703

Ion Ratio Lower Upper

146 100

111 41.4 21.3 64.0

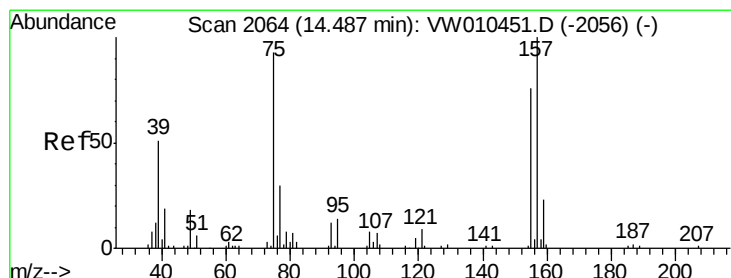
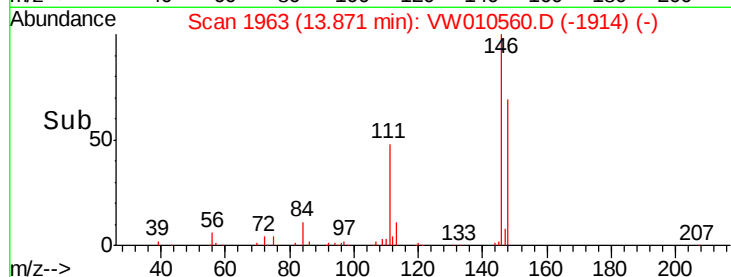
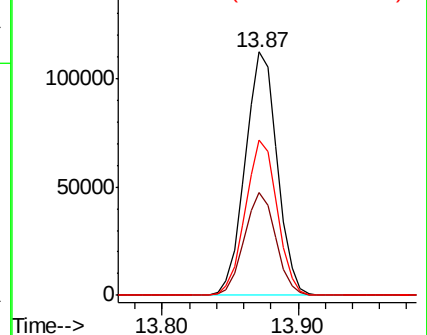
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.566 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

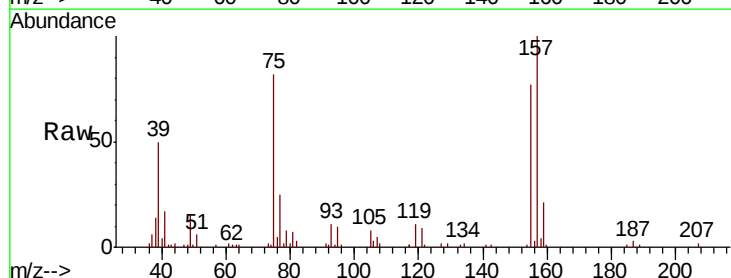
Tgt Ion: 75 Resp: 13389

Ion Ratio Lower Upper

75 100

155 92.0 43.0 129.0

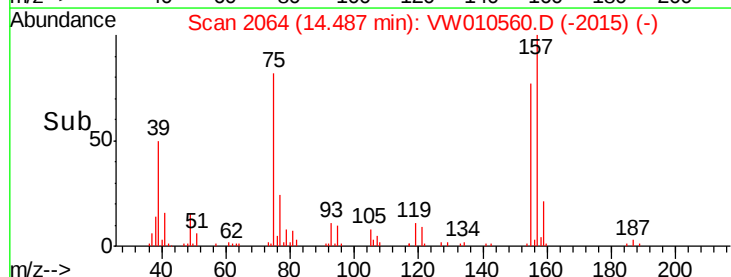
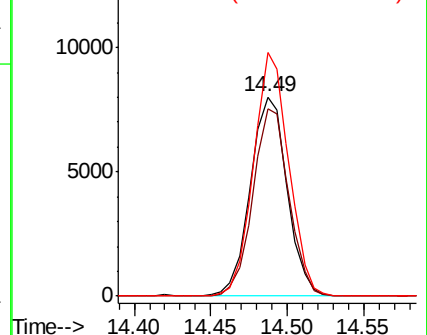
157 116.8 55.7 167.1

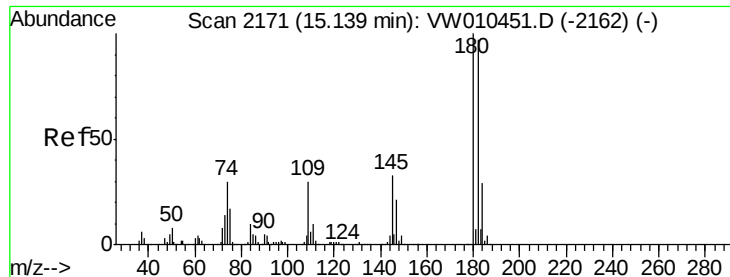


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

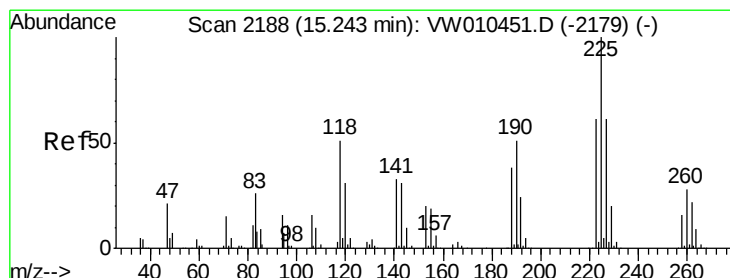
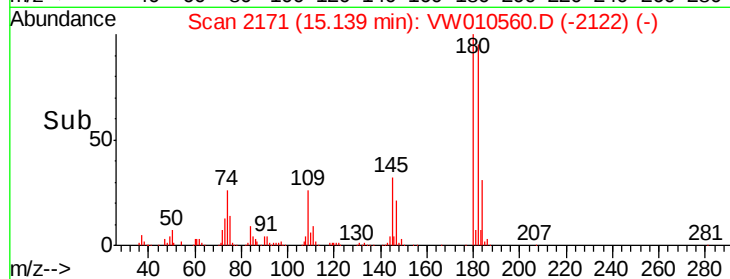
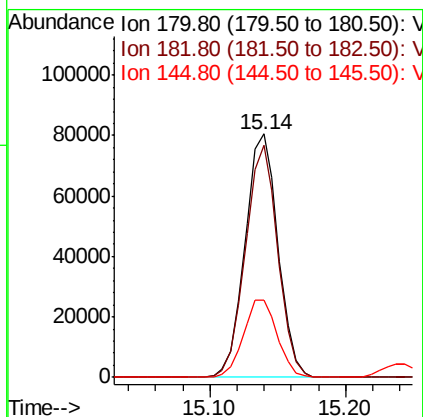
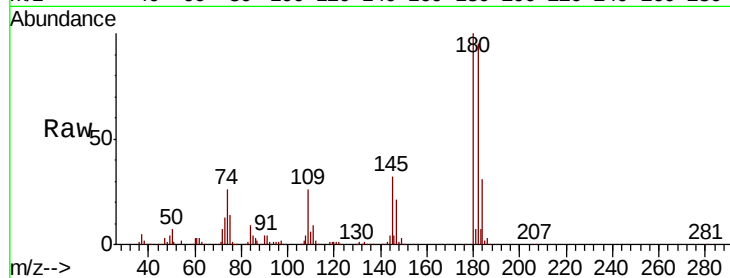




#93
 1,2,4-Trichlorobenzene
 Concen: 57.702 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

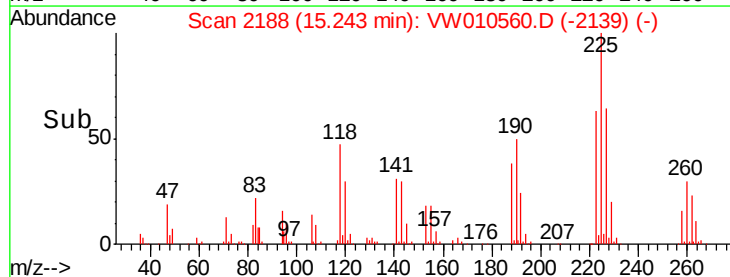
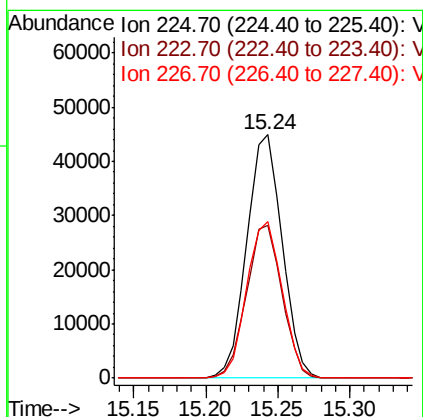
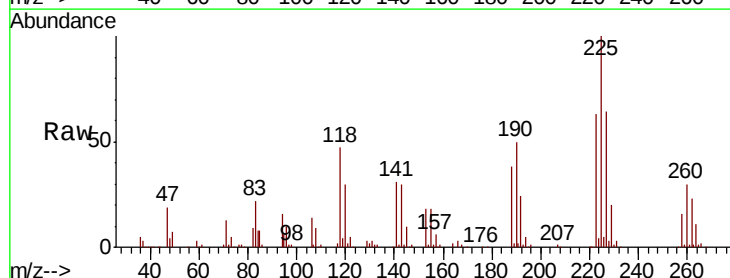
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

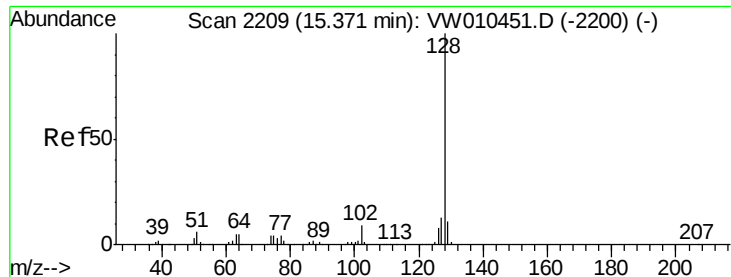
Tot Ion:180 Resp: 136453
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.0 141.2
 145 32.6 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 60.395 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion:225 Resp: 76298
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.2
 227 64.3 31.1 93.5

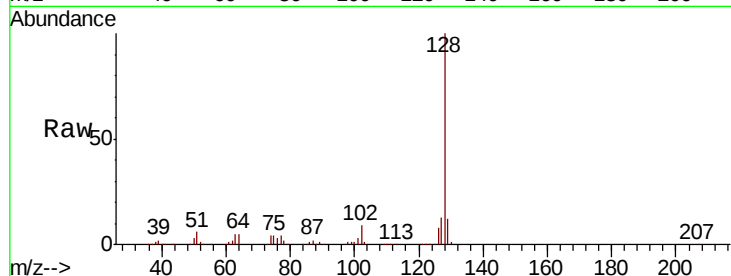




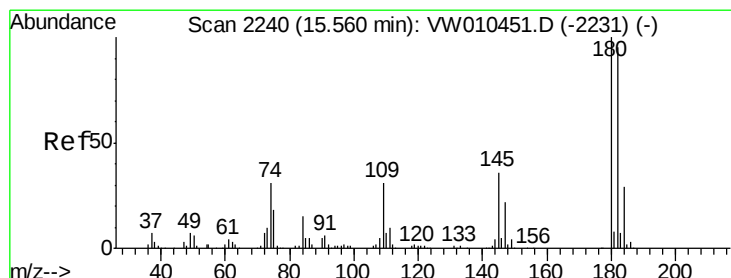
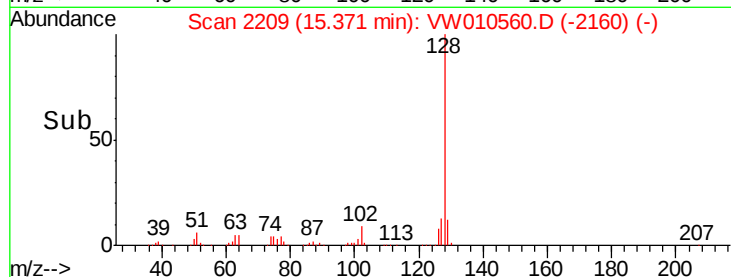
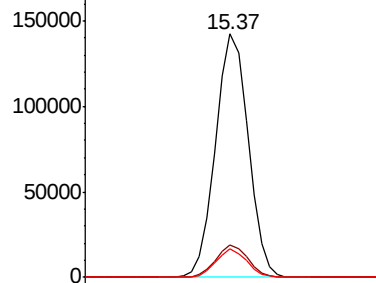
#95
Naphthalene
Concen: 50.399 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.0	8.9	13.3

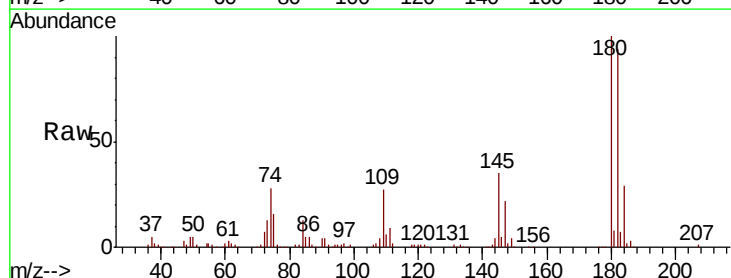


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.294 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	34.4	17.4	52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

