

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010038.D
 Acq On : 18 Apr 2019 11:39
 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: Apr 18 11:58:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	414345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	650352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	579744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	288435	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	240525	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	7.88	113	206142	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.32	98	825398	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	289617	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	175515	55.555	ug/l	97
3) Chloromethane	2.21	50	168462	53.321	ug/l	96
4) Vinyl Chloride	2.37	62	205469	55.949	ug/l	100
5) Bromomethane	2.78	94	128943	52.245	ug/l	97
6) Chloroethane	2.92	64	129607	54.013	ug/l	96
7) Trichlorofluoromethane	3.25	101	123752	48.738	ug/l	96
8) Diethyl Ether	3.67	74	103423	48.966	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	230885	54.039	ug/l	100
10) Methyl Iodide	4.26	142	324821	55.013	ug/l	99
11) Tert butyl alcohol	5.17	59	64135	220.203	ug/l	99
12) 1,1-Dichloroethene	4.03	96	231813	56.593	ug/l	98
13) Acrolein	3.89	56	81614	266.356	ug/l	92
14) Allyl chloride	4.65	41	397170	54.538	ug/l	99
15) Acrylonitrile	5.36	53	254498	234.137	ug/l	100
16) Acetone	4.12	43	283671	239.107	ug/l	99
17) Carbon Disulfide	4.37	76	692164	55.928	ug/l	99
18) Methyl Acetate	4.67	43	123611	45.019	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	279529	52.539	ug/l	99
20) Methylene Chloride	4.91	84	246287	53.708	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	253669	57.189	ug/l	99
22) Diisopropyl ether	6.31	45	776017	52.534	ug/l	97
23) Vinyl Acetate	6.25	43	2479134	266.601	ug/l	98
24) 1,1-Dichloroethane	6.21	63	470497	53.281	ug/l	100
25) 2-Butanone	7.16	43	380691	244.277	ug/l	99
26) 2,2-Dichloropropane	7.16	77	265042	54.250	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	265007	54.324	ug/l	99
28) Bromochloromethane	7.51	49	168929	46.811	ug/l	98
29) Tetrahydrofuran	7.52	42	241650	244.714	ug/l	99
30) Chloroform	7.67	83	454427	51.357	ug/l	99
31) Cyclohexane	7.95	56	454005	54.904	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	372091	53.567	ug/l	100
36) 1,1-Dichloropropene	8.07	75	384261	57.843	ug/l	99
37) Ethyl Acetate	7.24	43	165139	48.920	ug/l	100
38) Carbon Tetrachloride	8.06	117	365838	56.426	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	458860	56.601	ug/l	99
40) Benzene	8.32	78	1010002	55.604	ug/l	98
41) Methacrylonitrile	7.48	41	89184	46.355	ug/l	92
42) 1,2-Dichloroethane	8.40	62	318366	51.001	ug/l	99
43) Isopropyl Acetate	8.42	43	318167	50.297	ug/l	99
44) Trichloroethene	9.09	130	259650	56.280	ug/l	97
45) 1,2-Dichloropropane	9.37	63	251674	52.712	ug/l	98
46) Dibromomethane	9.45	93	128382	51.880	ug/l	100
47) Bromodichloromethane	9.64	83	343015	53.697	ug/l	98
48) Methyl methacrylate	9.43	41	150675	48.933	ug/l	96
49) 1,4-Dioxane	9.45	88	36892	975.677	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	835893	252.296	ug/l	100
52) Toluene	10.38	92	635613	56.175	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	342076	54.012	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	398711	55.132	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	174647	50.565	ug/l	98
56) Ethyl methacrylate	10.65	69	236261	49.299	ug/l	98
57) 1,3-Dichloropropane	10.93	76	315628	50.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	541777	262.508	ug/l	100
59) 2-Hexanone	10.97	43	602010	261.028	ug/l	100
60) Dibromochloromethane	11.13	129	210346	52.692	ug/l	99
61) 1,2-Dibromoethane	11.24	107	168546	51.298	ug/l	99
64) Tetrachloroethene	10.86	164	213720	56.788	ug/l	99
65) Chlorobenzene	11.66	112	648550	54.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	230985	54.435	ug/l	99
67) Ethyl Benzene	11.73	91	1241837	58.659	ug/l	99
68) m/p-Xylenes	11.84	106	925388	116.936	ug/l	99
69) o-Xylene	12.16	106	422286	58.605	ug/l	99
70) Styrene	12.18	104	737666	59.375	ug/l	100
71) Bromoform	12.35	173	114797	51.162	ug/l #	96
73) Isopropylbenzene	12.46	105	1192828	59.420	ug/l	100
74) N-amyl acetate	12.27	43	303039	54.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	203843	51.397	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	277010	95.957	ug/l #	100
77) Bromobenzene	12.75	156	260649	56.456	ug/l	97
78) n-propylbenzene	12.80	91	1477218	59.374	ug/l	100
79) 2-Chlorotoluene	12.90	91	822228	57.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1013822	59.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	69582	56.835	ug/l	98
82) 4-Chlorotoluene	12.99	91	855809	56.828	ug/l	100
83) tert-Butylbenzene	13.21	119	839308	59.546	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1014967	58.815	ug/l	100
85) sec-Butylbenzene	13.38	105	1234155	58.592	ug/l	100
86) p-Isopropyltoluene	13.50	119	1118398	60.240	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	519783	55.694	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	506847	54.409	ug/l	100
89) n-Butylbenzene	13.83	91	1116518	60.702	ug/l	99
90) Hexachloroethane	14.10	117	201096	56.553	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	452067	54.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	35740	50.355	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

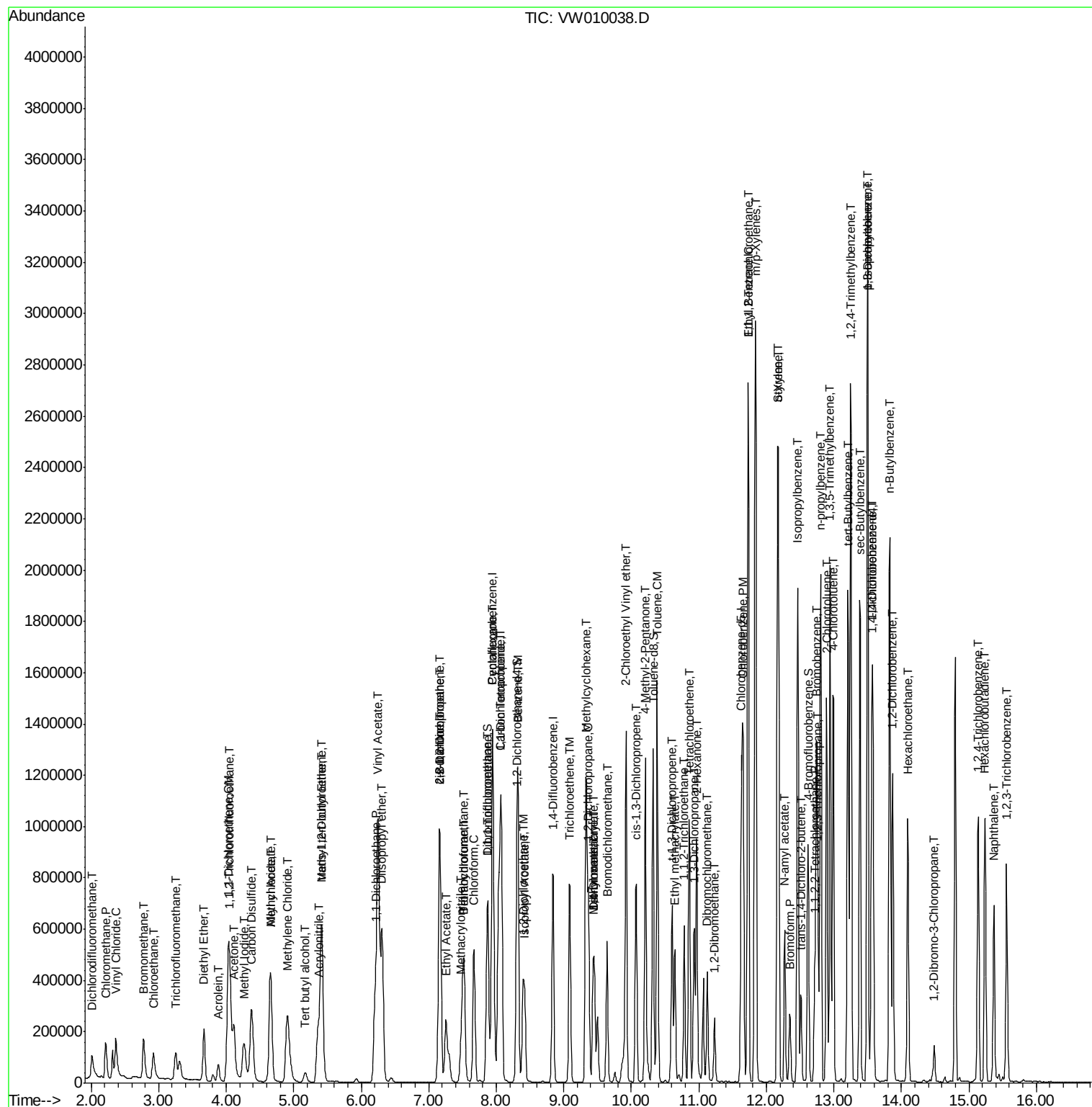
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	309528	56.068	ug/l	98
94) Hexachlorobutadiene	15.24	225	187387	55.896	ug/l	99
95) Naphthalene	15.37	128	567865	51.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	269286	56.223	ug/l	100

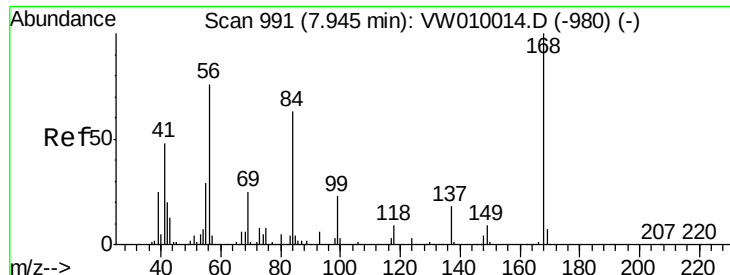
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

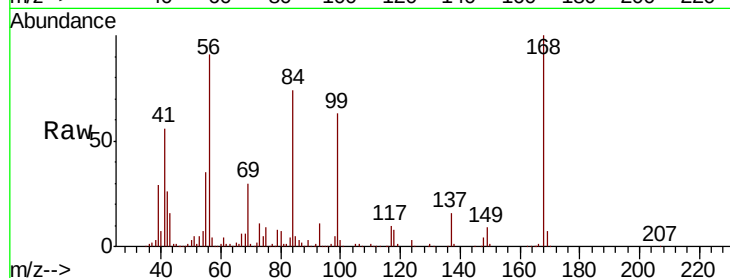
VSTDCCC050

Tgt Ion:168 Resp: 414345

Ion Ratio Lower Upper

168 100

99 62.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

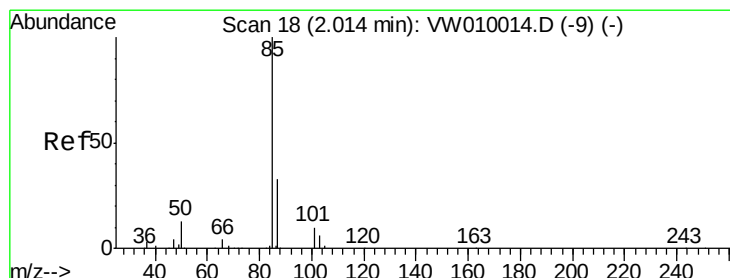
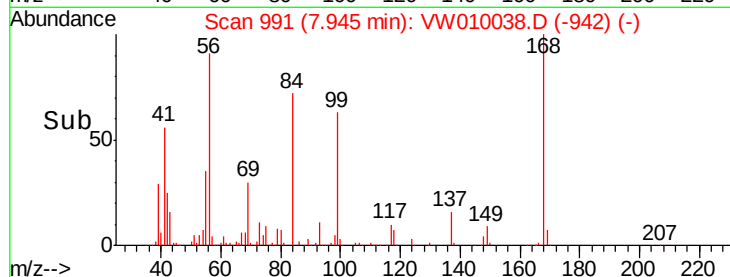
50000

0

Time--> 7.80

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 55.555 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010038.D

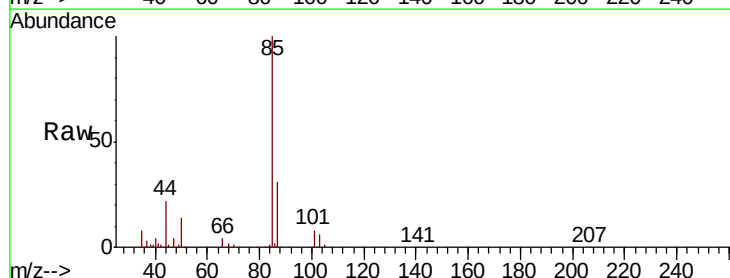
Acq: 18 Apr 2019 11:39

Tgt Ion: 85 Resp: 175515

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

30000

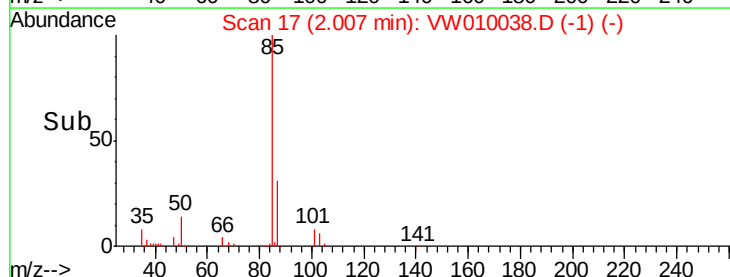
20000

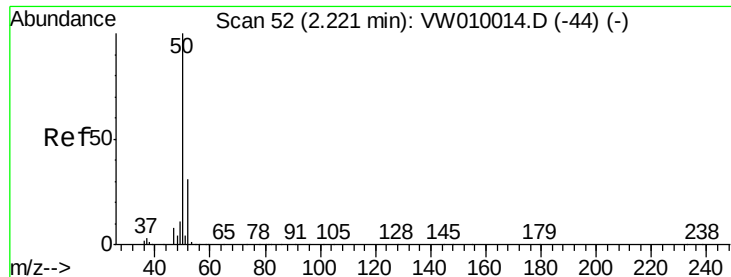
10000

0

Time--> 2.00

2.20





#3

Chloromethane

Concen: 53.321 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

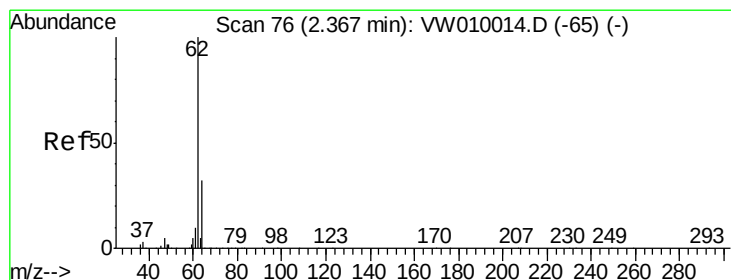
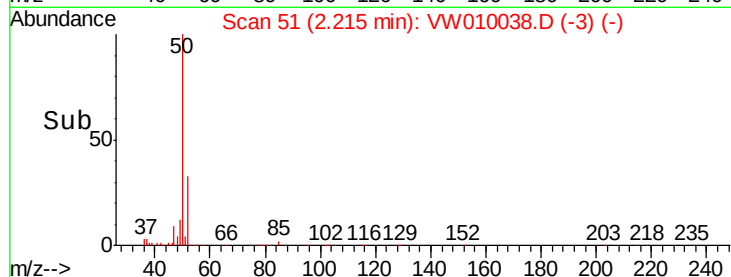
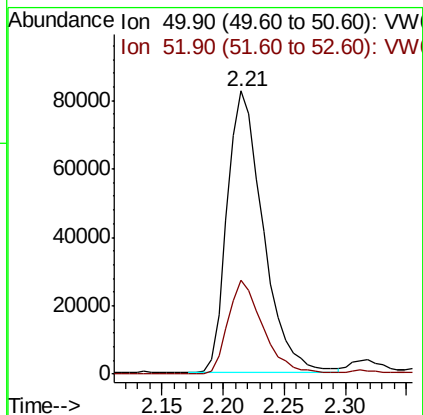
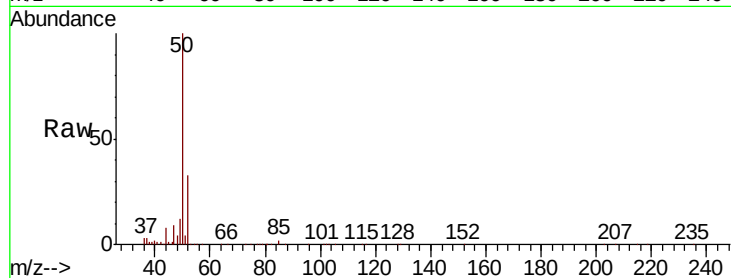
VSTDCCC050

Tgt Ion: 50 Resp: 168462

Ion Ratio Lower Upper

50 100

52 33.4 25.0 37.6



#4

Vinyl Chloride

Concen: 55.949 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010038.D

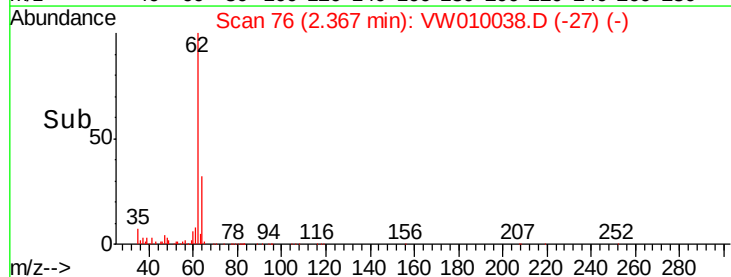
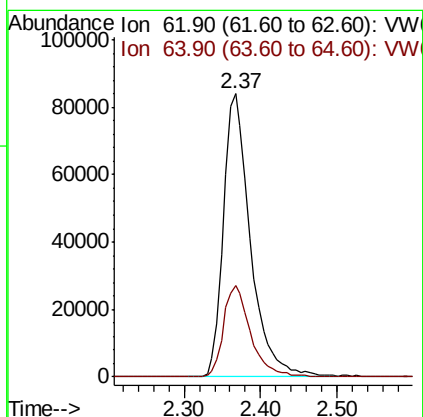
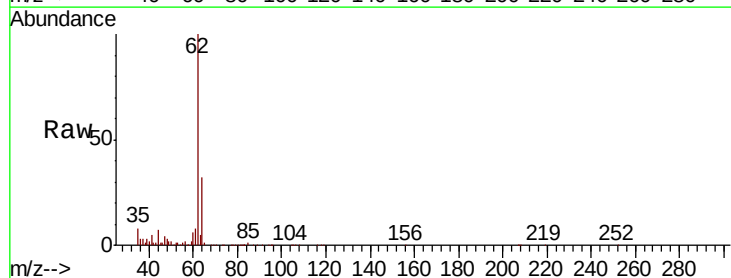
Acq: 18 Apr 2019 11:39

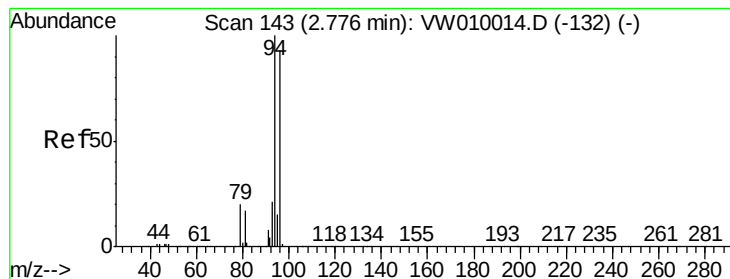
Tgt Ion: 62 Resp: 205469

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 52.245 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

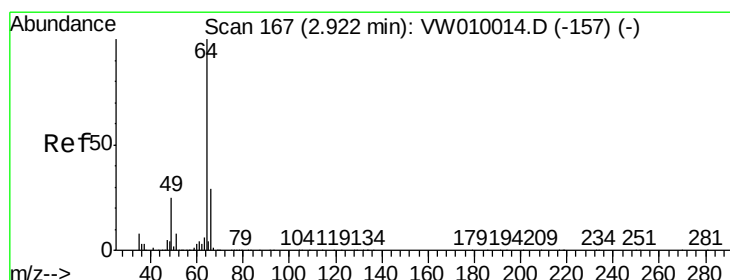
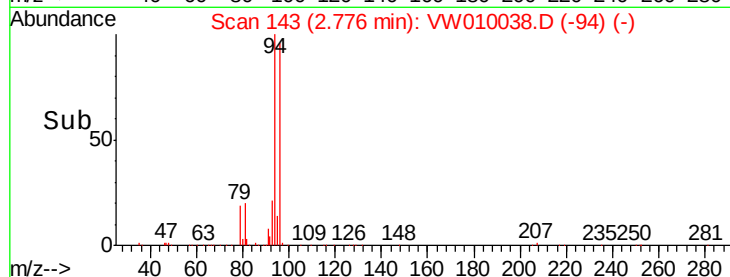
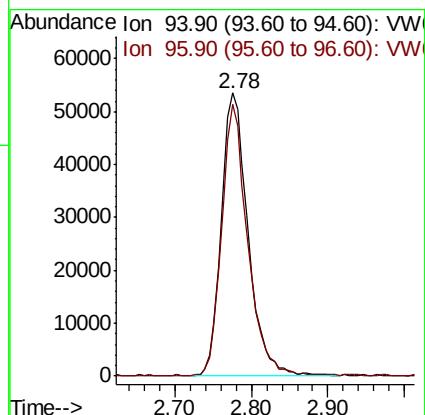
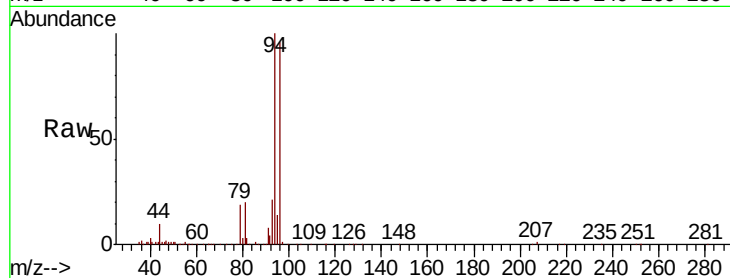
VSTDCCC050

Tgt Ion: 94 Resp: 128943

Ion Ratio Lower Upper

94 100

96 95.8 74.2 111.2



#6

Chloroethane

Concen: 54.013 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010038.D

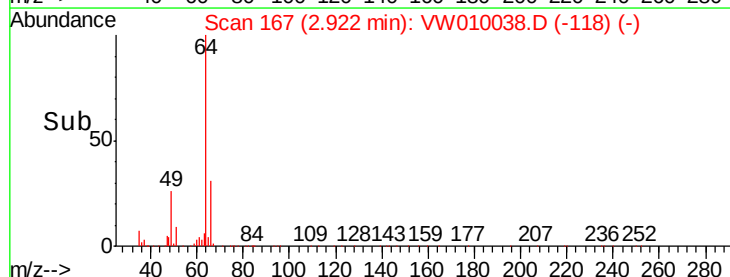
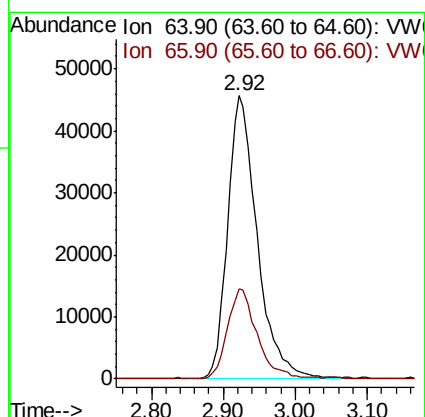
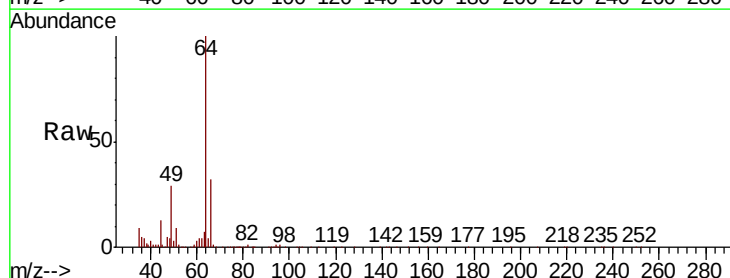
Acq: 18 Apr 2019 11:39

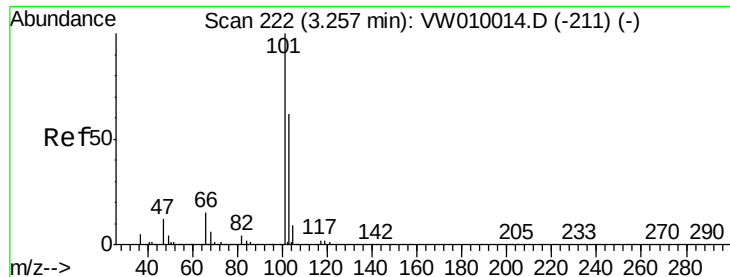
Tgt Ion: 64 Resp: 129607

Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.0



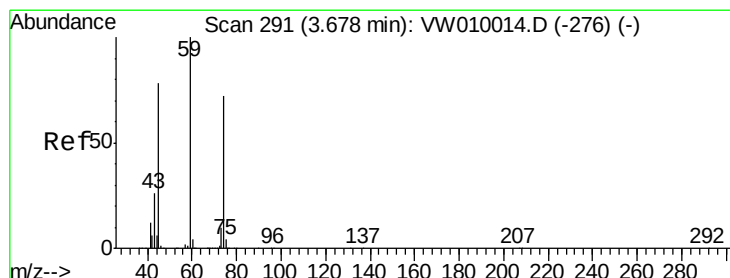
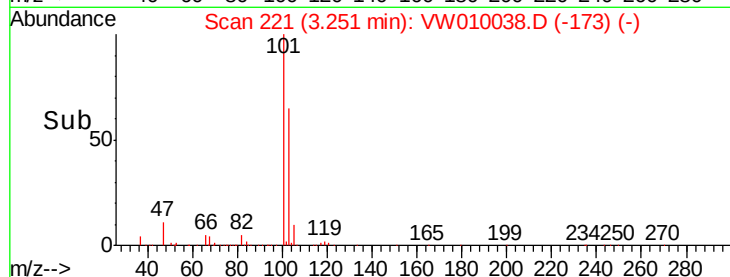
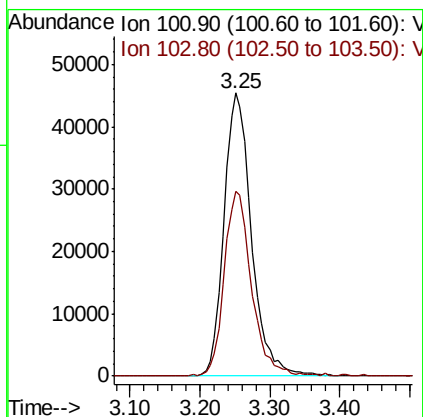
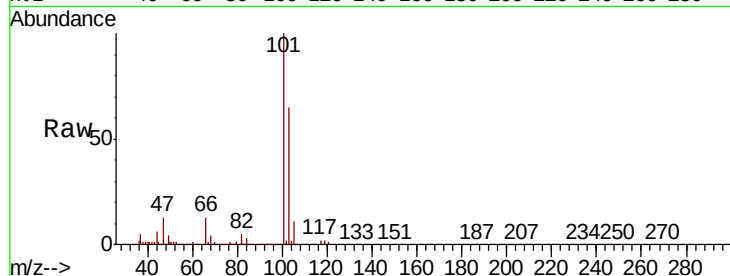


#7

Trichlorofluoromethane
 Concen: 48.738 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010038.D
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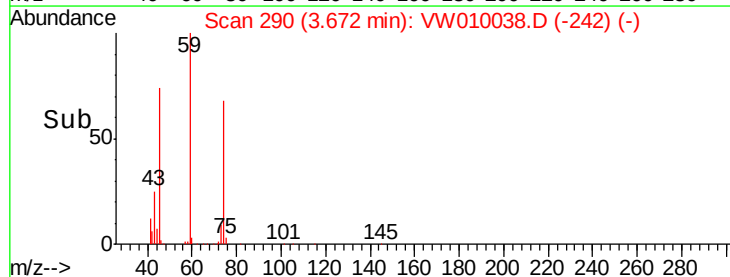
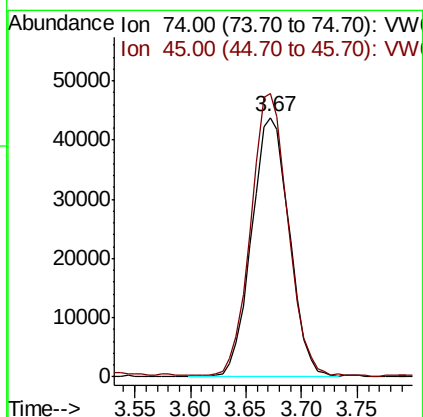
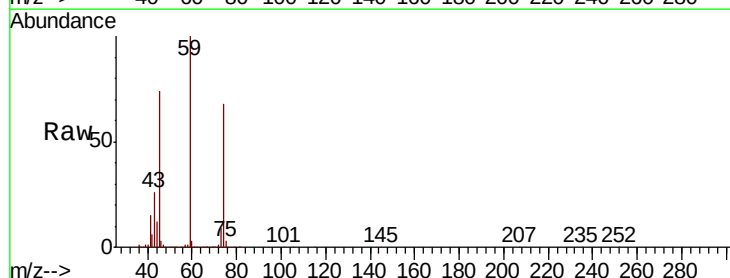
Tgt Ion:101 Resp: 123752
 Ion Ratio Lower Upper
 101 100
 103 65.2 49.8 74.6

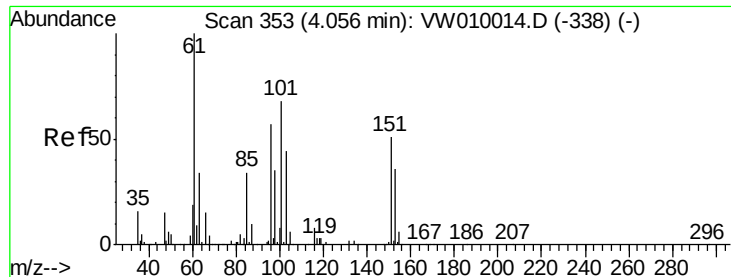


#8

Diethyl Ether
 Concen: 48.966 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 74 Resp: 103423
 Ion Ratio Lower Upper
 74 100
 45 107.5 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.039 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010038.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

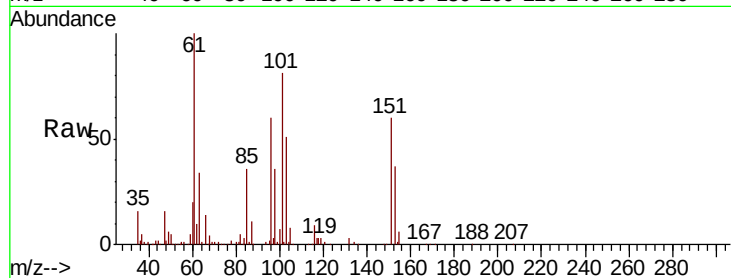
Tgt Ion:101 Resp: 230885

Ion Ratio Lower Upper

101 100

85 45.5 36.3 54.5

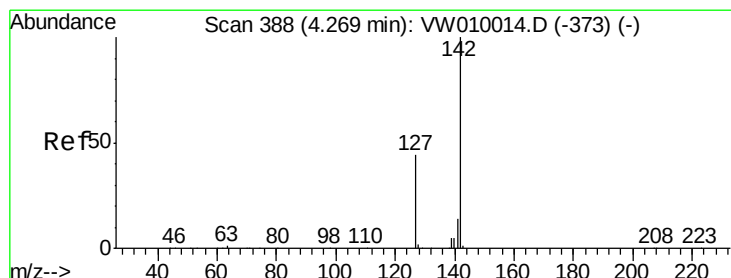
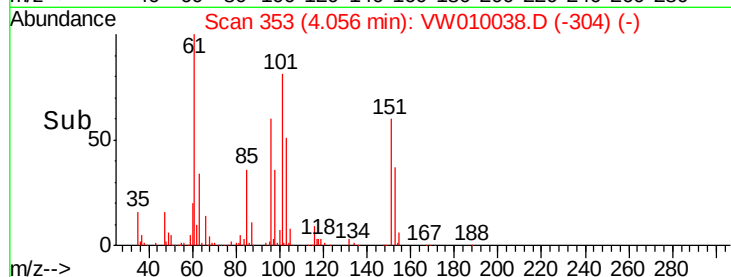
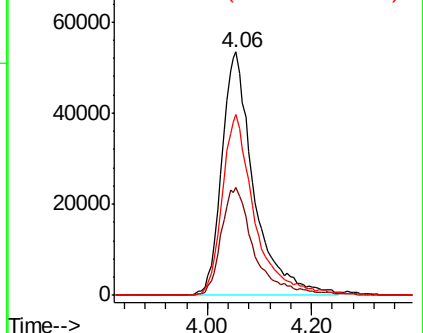
151 74.9 60.2 90.2



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: 55.013 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

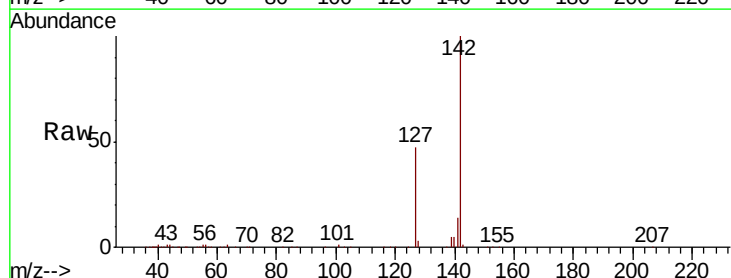
Tgt Ion:142 Resp: 324821

Ion Ratio Lower Upper

142 100

127 46.7 38.1 57.1

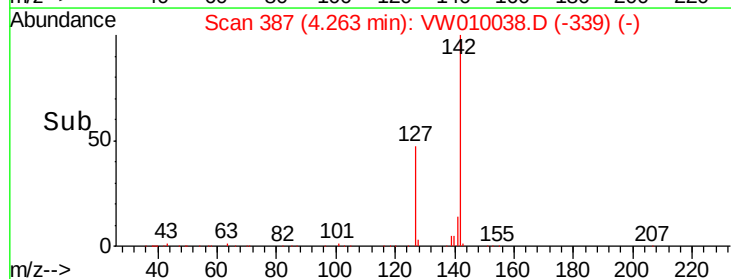
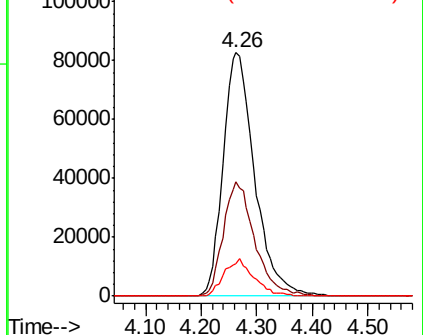
141 14.5 12.2 18.2

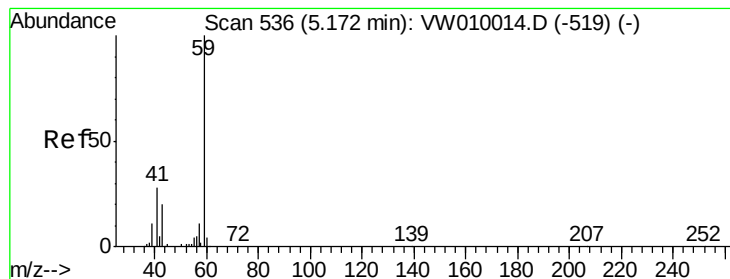


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



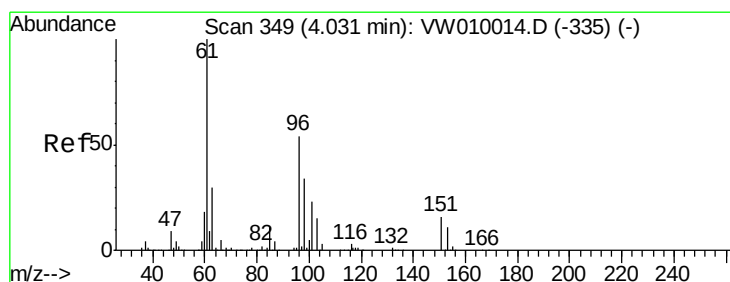
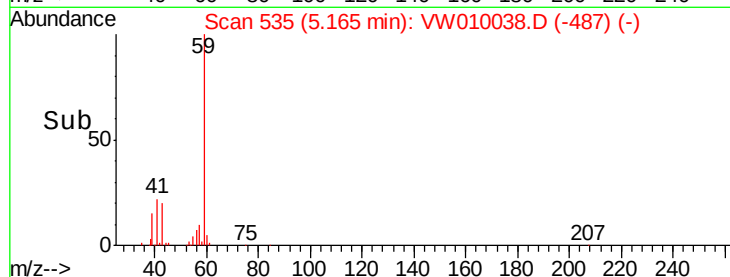
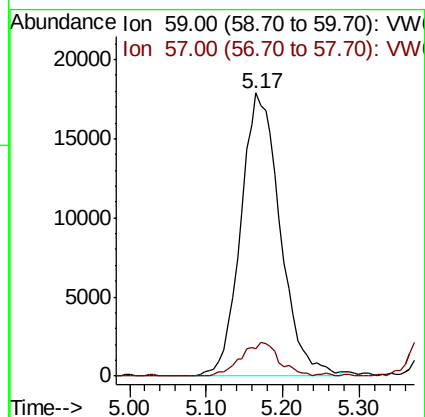
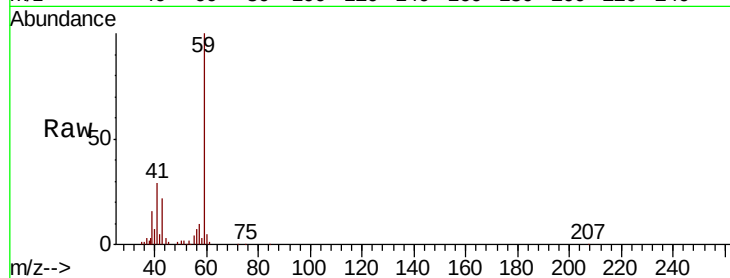


#11

Tert butyl alcohol
 Concen: 220.203 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

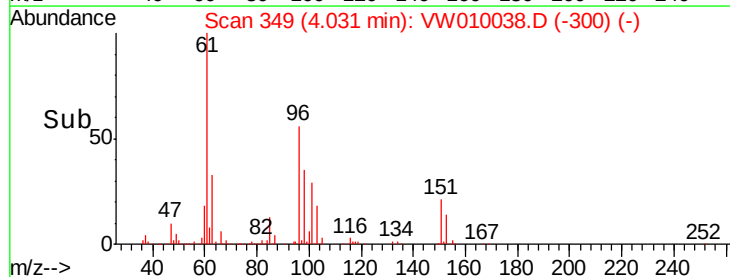
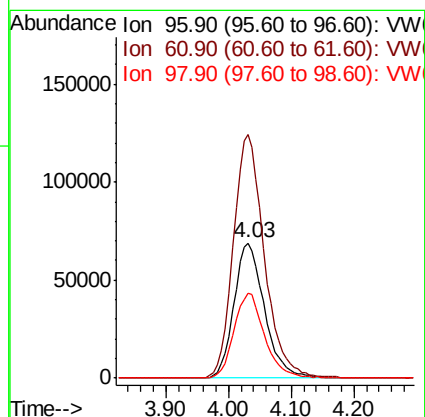
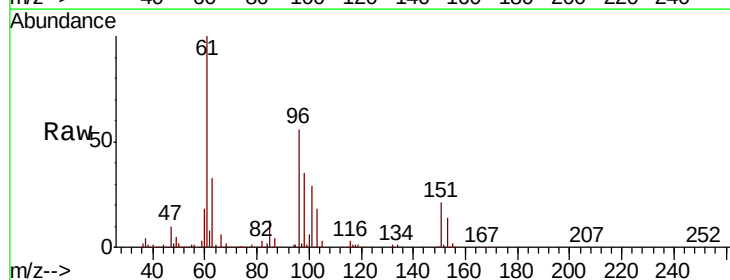
Tgt Ion: 59 Resp: 64135
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.0 13.4

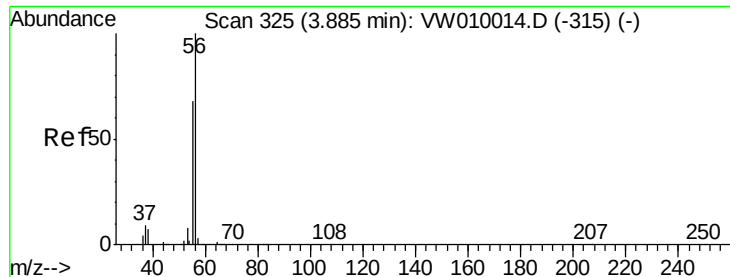


#12

1,1-Dichloroethene
 Concen: 56.593 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 96 Resp: 231813
 Ion Ratio Lower Upper
 96 100
 61 180.1 147.4 221.2
 98 62.9 49.7 74.5





#13

Acrolein

Concen: 266.356 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

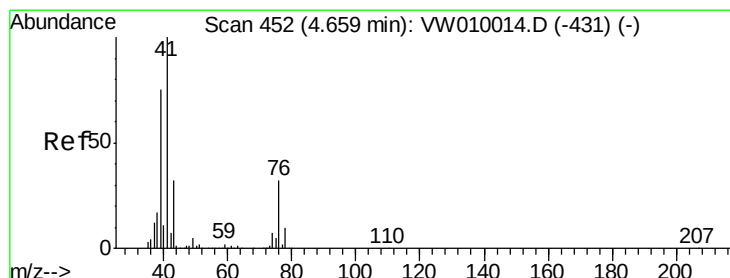
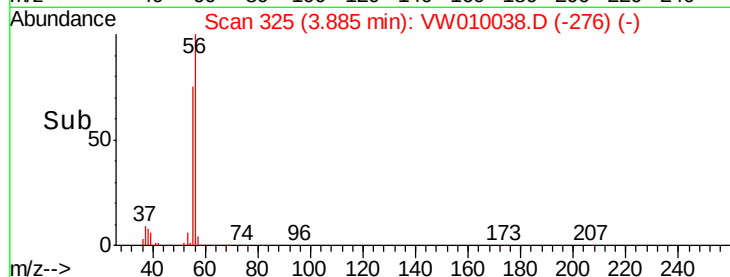
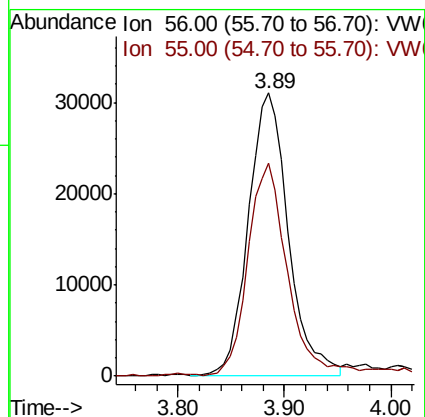
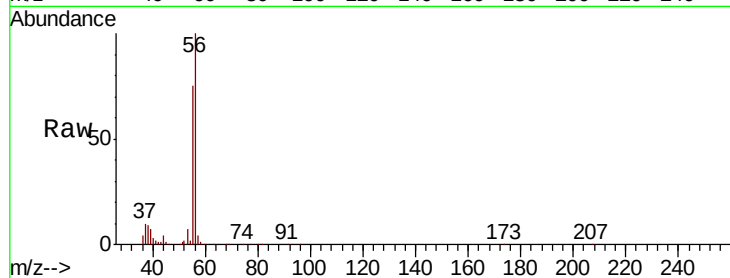
VSTDCCC050

Tgt Ion: 56 Resp: 81614

Ion Ratio Lower Upper

56 100

55 74.0 54.2 81.2



#14

Allyl chloride

Concen: 54.538 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

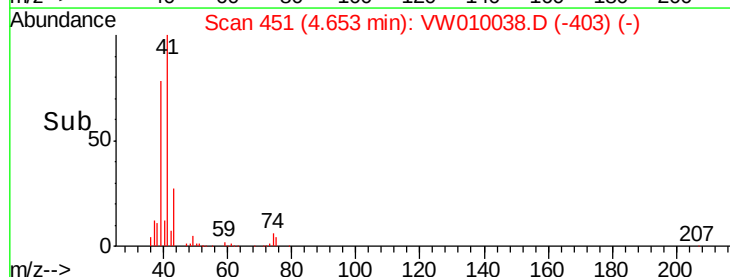
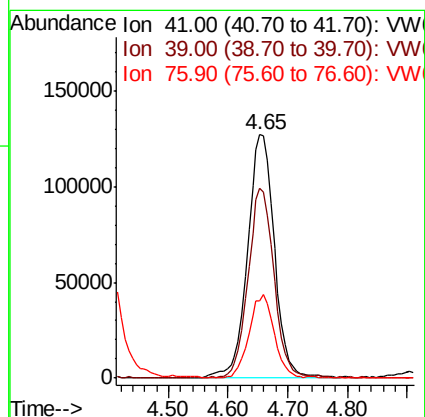
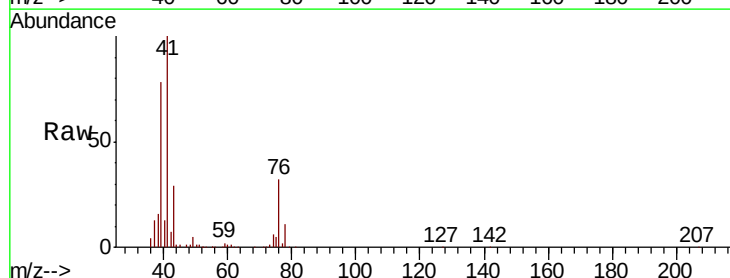
Tgt Ion: 41 Resp: 397170

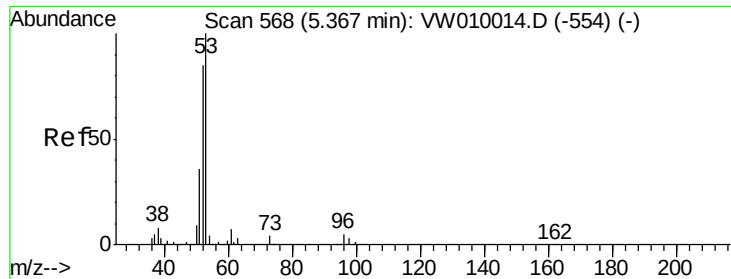
Ion Ratio Lower Upper

41 100

39 75.6 60.2 90.4

76 32.1 25.0 37.6





#15

Acrylonitrile

Concen: 234.137 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

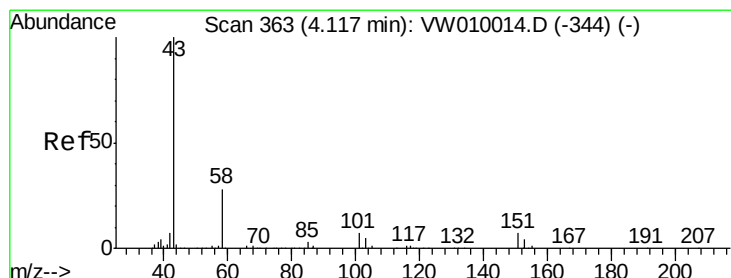
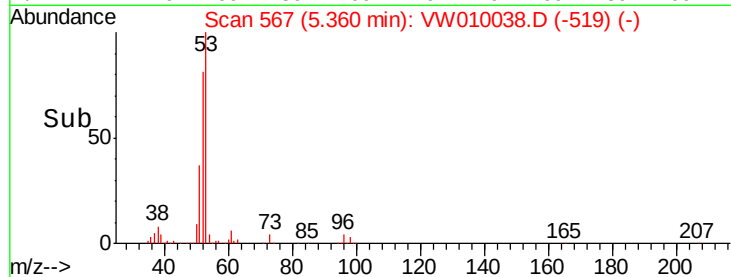
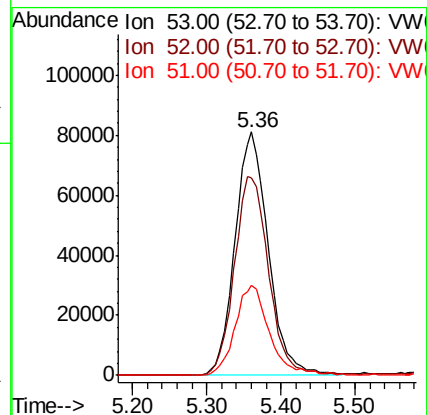
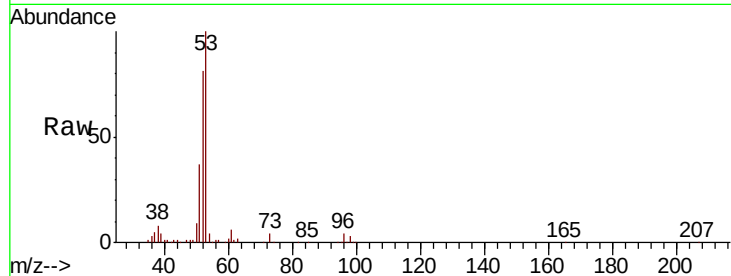
Tgt Ion: 53 Resp: 254498

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 38.0 30.3 45.5



#16

Acetone

Concen: 239.107 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010038.D

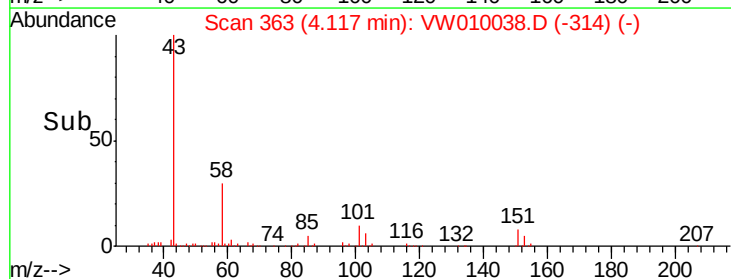
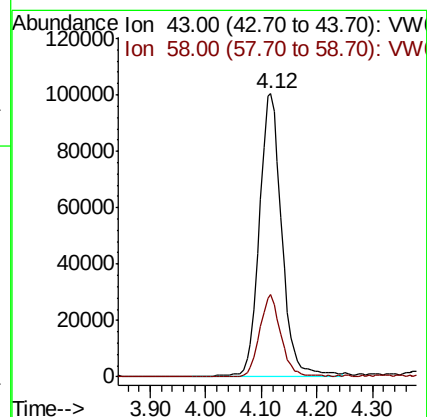
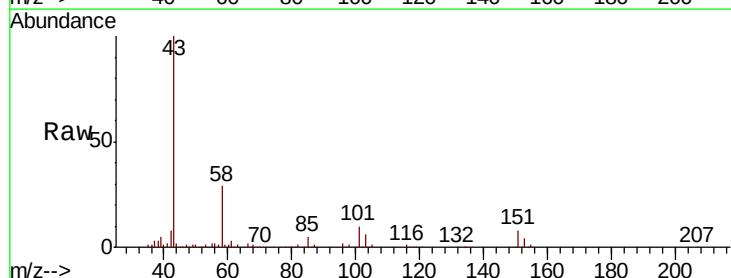
Acq: 18 Apr 2019 11:39

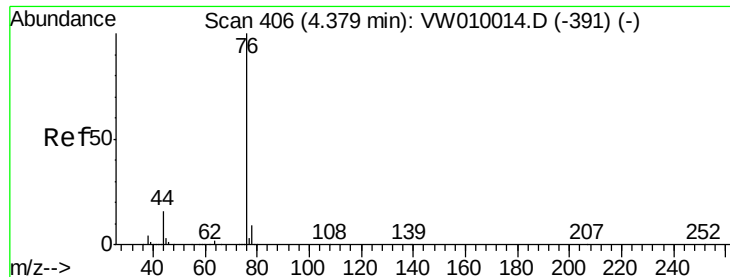
Tgt Ion: 43 Resp: 283671

Ion Ratio Lower Upper

43 100

58 29.1 22.7 34.1





#17

Carbon Disulfide

Concen: 55.928 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

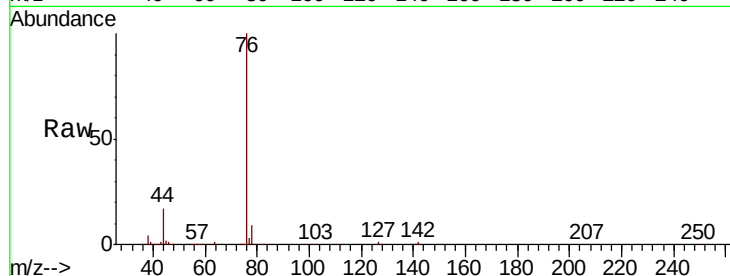
VSTDCCC050

Tgt Ion: 76 Resp: 692164

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

200000

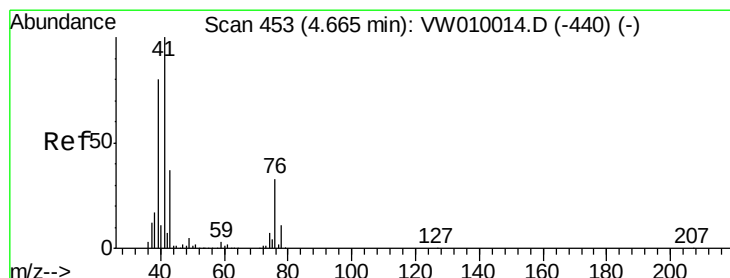
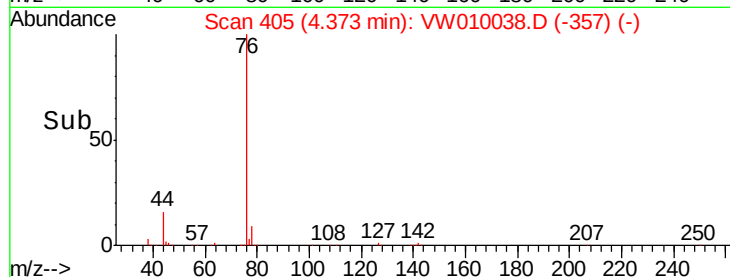
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.019 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010038.D

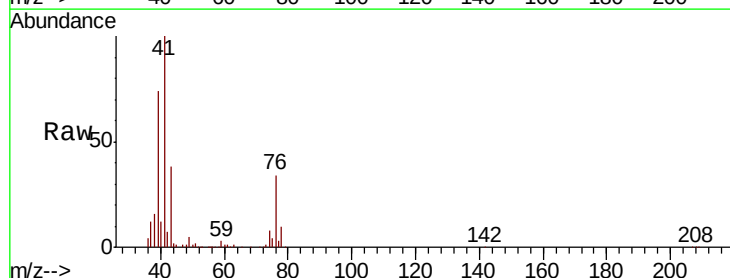
Acq: 18 Apr 2019 11:39

Tgt Ion: 43 Resp: 123611

Ion Ratio Lower Upper

43 100

74 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

50000

40000

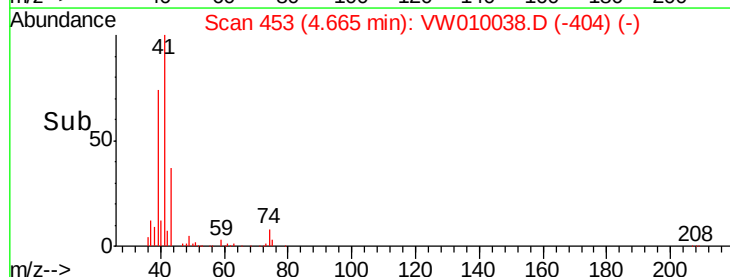
30000

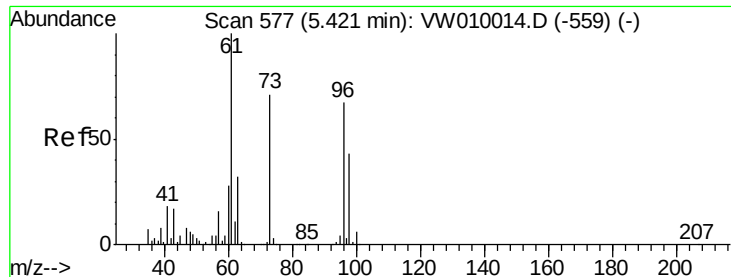
20000

10000

0

Time-->

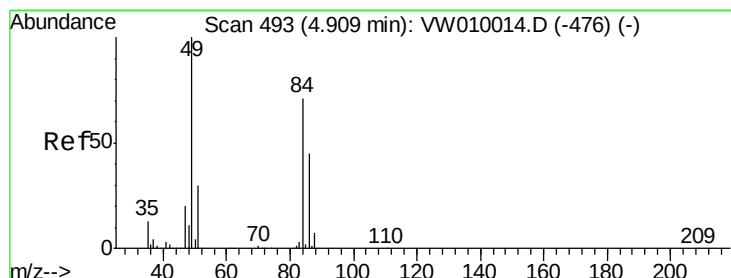
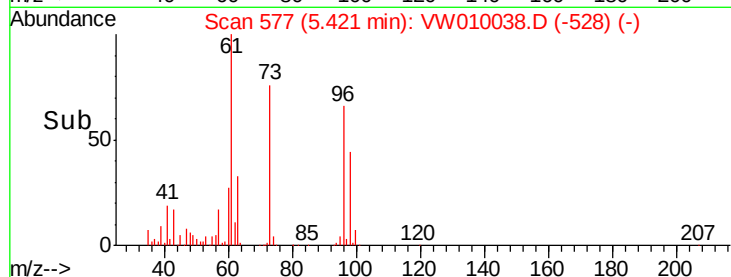
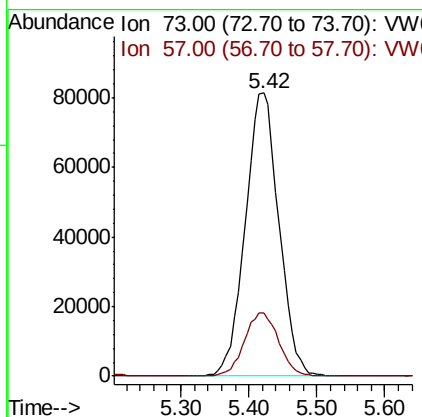
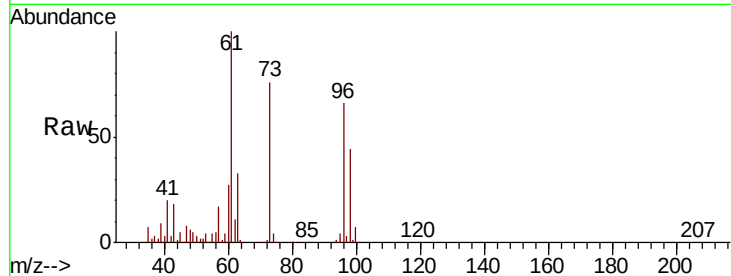




#19
Methyl tert-butyl Ether
Concen: 52.539 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

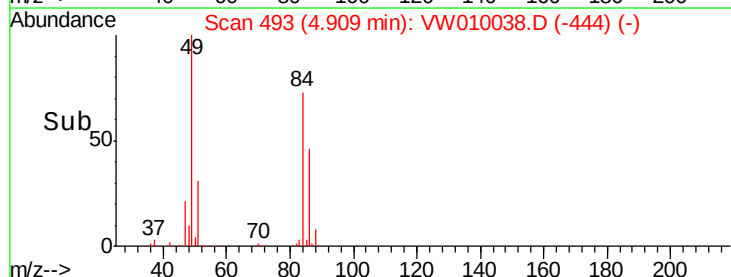
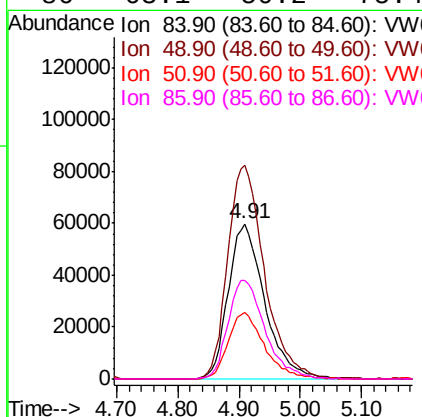
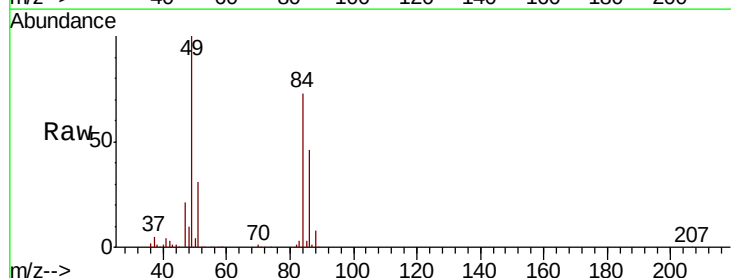
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

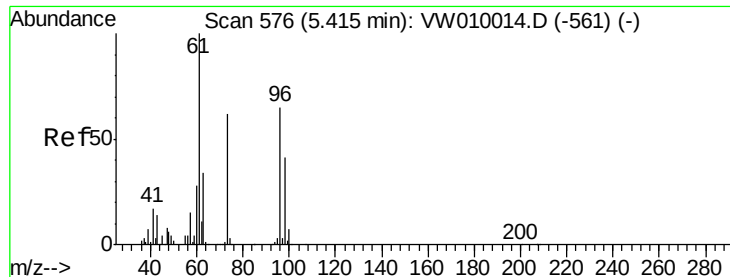
Tgt Ion: 73 Resp: 279529
Ion Ratio Lower Upper
73 100
57 22.4 18.5 27.7



#20
Methylene Chloride
Concen: 53.708 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 84 Resp: 246287
Ion Ratio Lower Upper
84 100
49 137.2 112.3 168.5
51 42.5 33.9 50.9
86 63.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 57.189 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

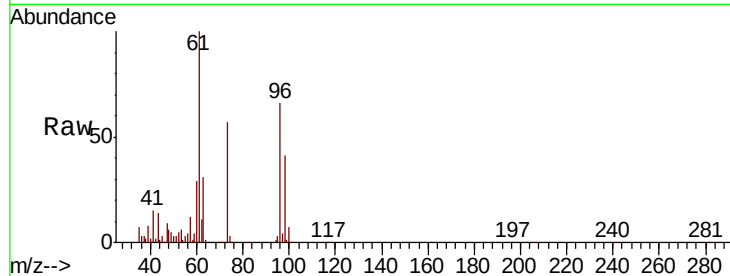
Tgt Ion: 96 Resp: 253669

Ion Ratio Lower Upper

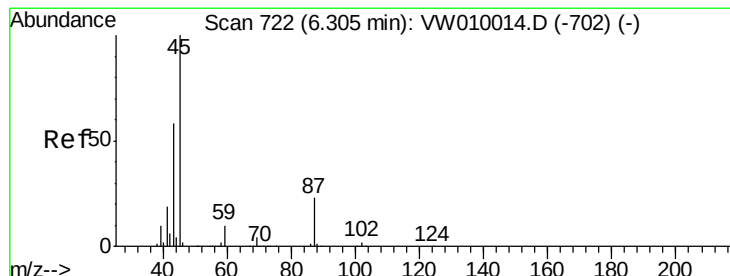
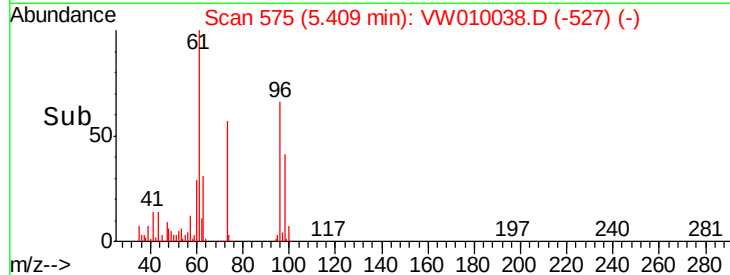
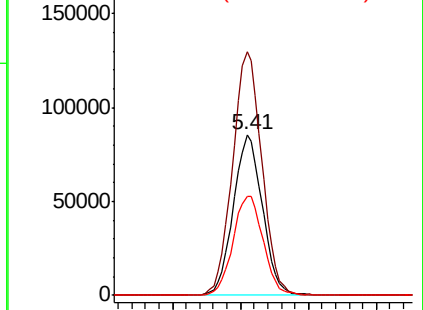
96 100

61 151.4 122.3 183.5

98 61.4 50.5 75.7



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: 52.534 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Tgt Ion: 45 Resp: 776017

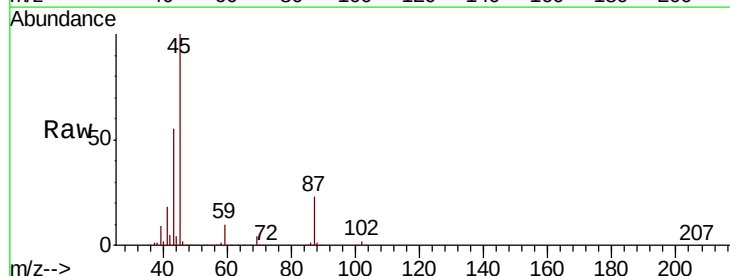
Ion Ratio Lower Upper

45 100

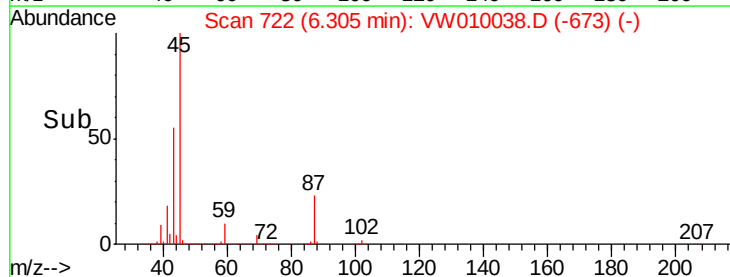
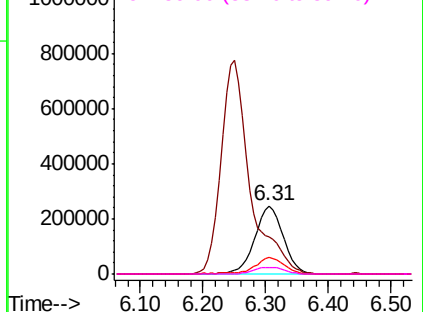
43 54.9 46.1 69.1

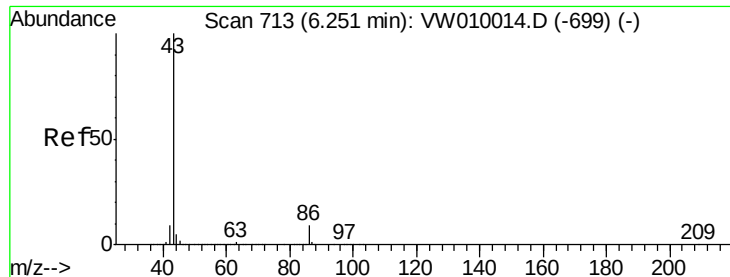
87 23.4 18.3 27.5

59 9.6 8.2 12.4



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: 266.601 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

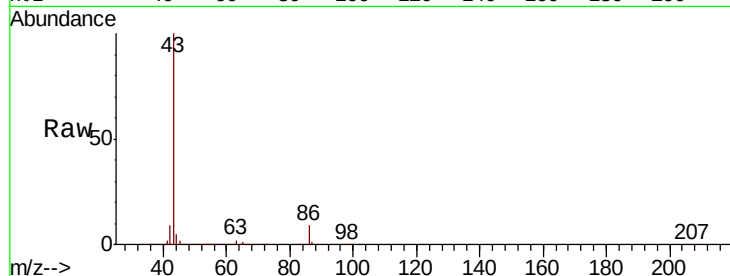
VSTDCCC050

Tgt Ion: 43 Resp: 2479134

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

800000

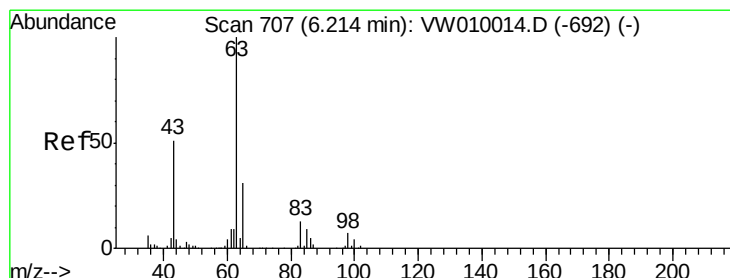
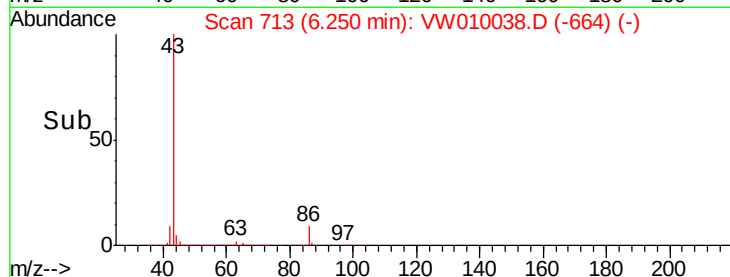
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.281 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

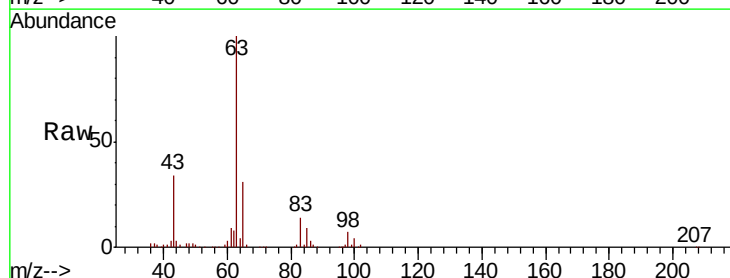
Tgt Ion: 63 Resp: 470497

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.0 6.0



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

200000

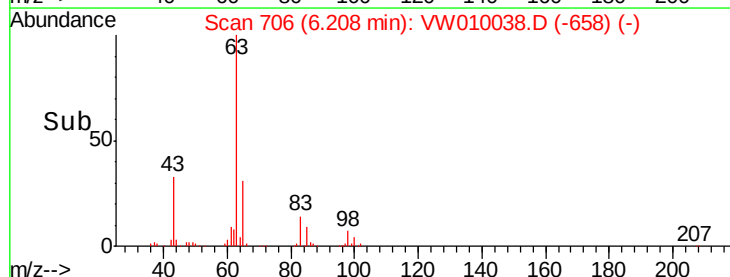
150000

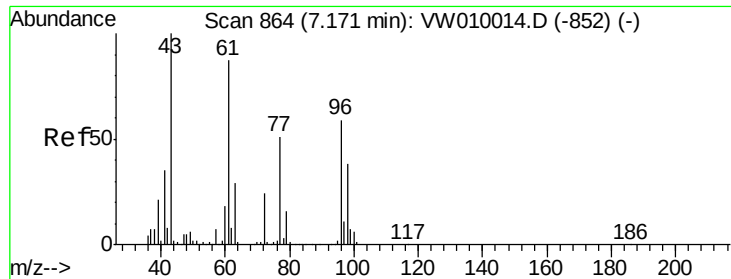
100000

50000

0

Time-->





#25

2-Butanone

Concen: 244.277 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

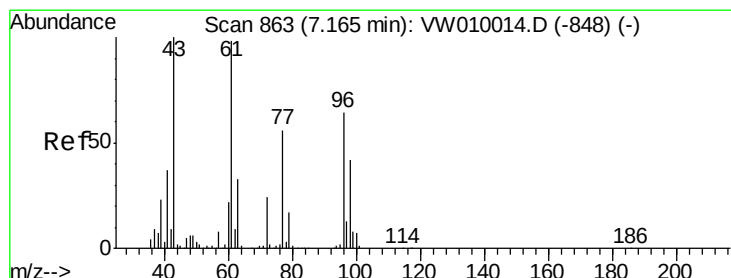
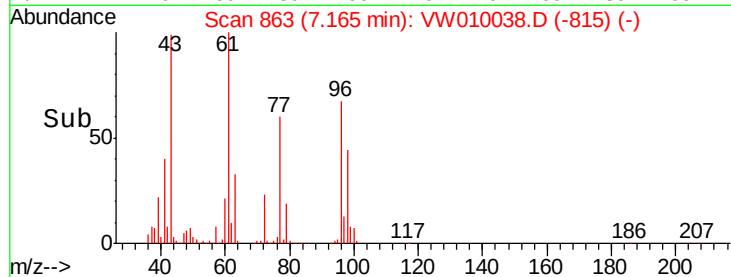
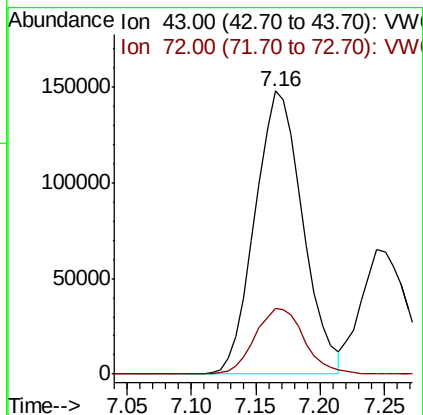
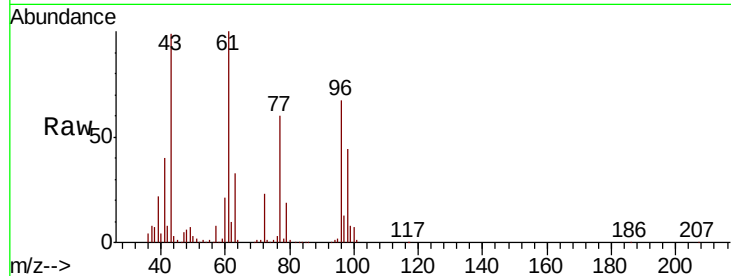
VSTDCCC050

Tgt Ion: 43 Resp: 380691

Ion Ratio Lower Upper

43 100

72 23.4 19.1 28.7



#26

2,2-Dichloropropane

Concen: 54.250 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010038.D

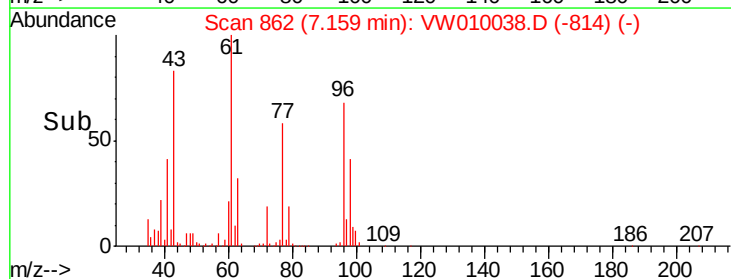
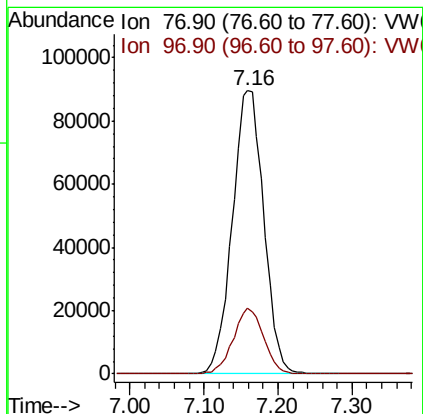
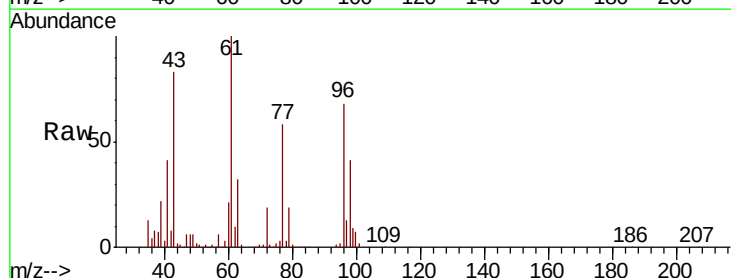
Acq: 18 Apr 2019 11:39

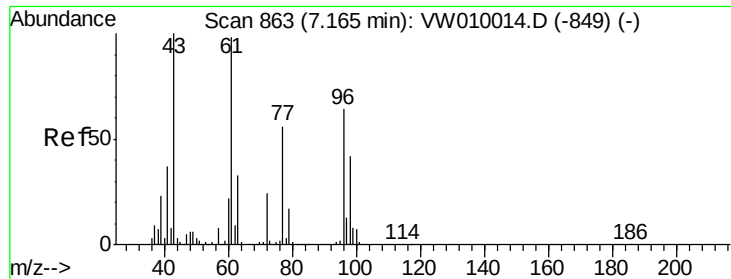
Tgt Ion: 77 Resp: 265042

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



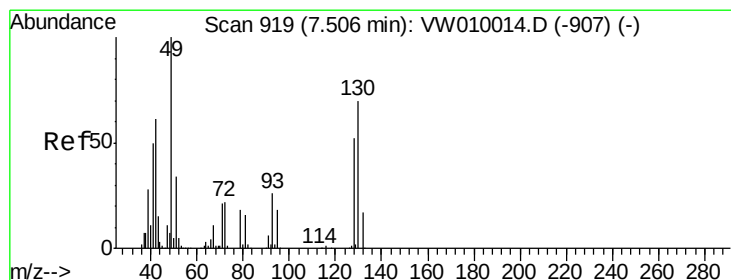
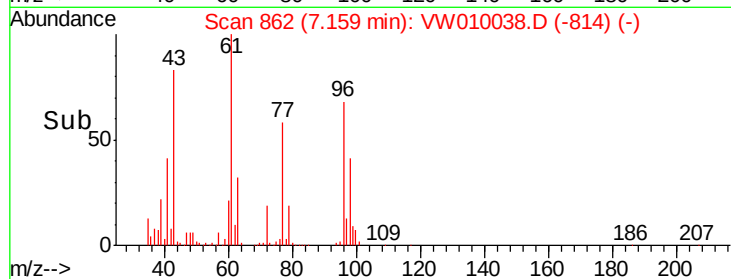
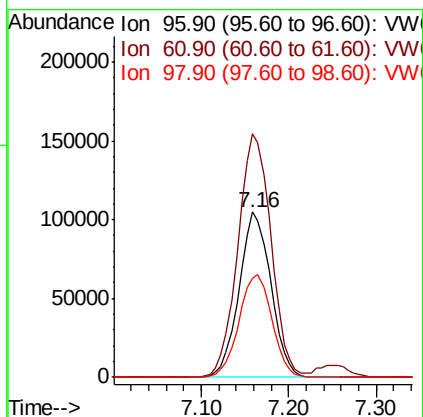
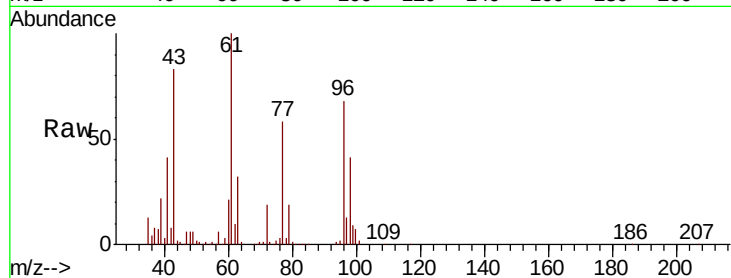


#27

cis-1,2-Dichloroethene
Concen: 54.324 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

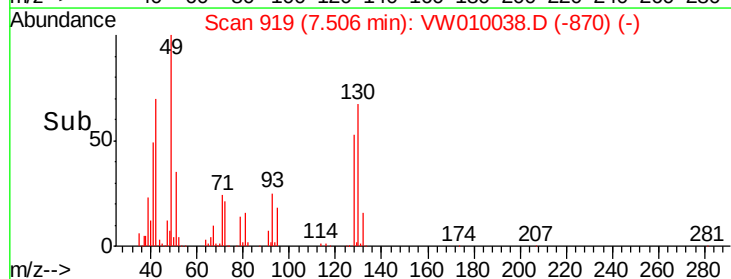
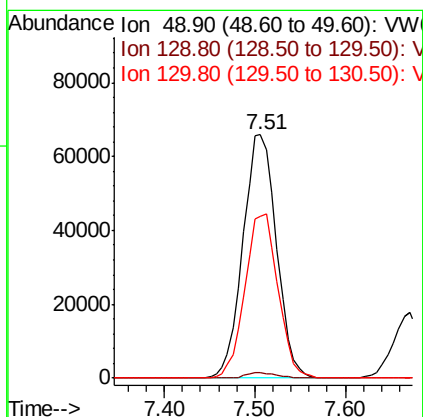
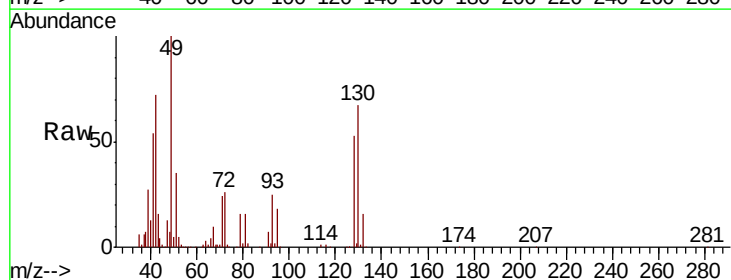
Tgt Ion: 96 Resp: 265007
Ion Ratio Lower Upper
96 100
61 153.7 0.0 309.4
98 64.5 0.0 128.6

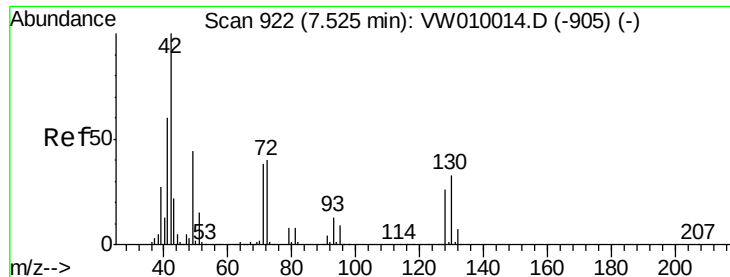


#28

Bromochloromethane
Concen: 46.811 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 49 Resp: 168929
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 66.7 54.6 82.0

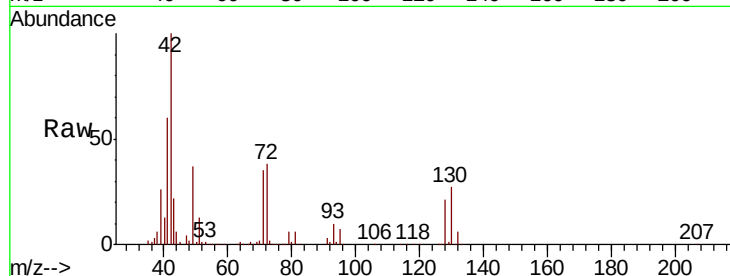




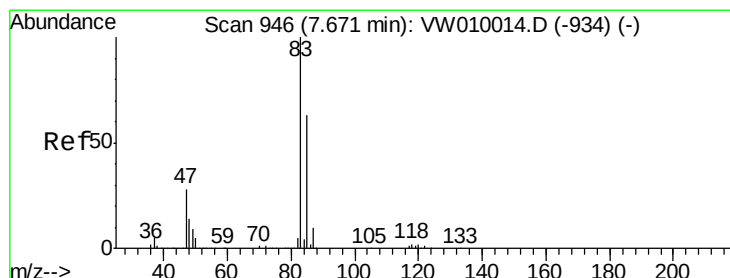
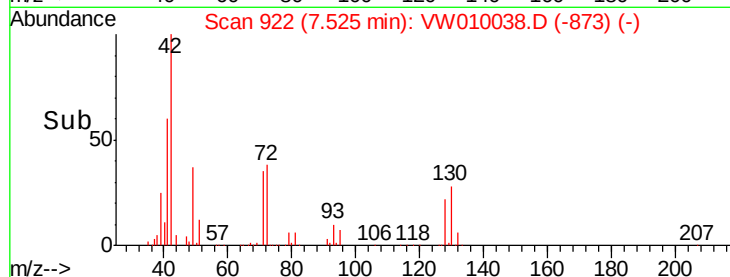
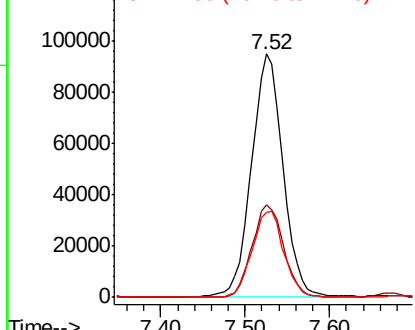
#29
Tetrahydrofuran
Concen: 244.714 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 241650
Ion Ratio Lower Upper
42 100
72 38.1 31.0 46.6
71 36.2 29.7 44.5

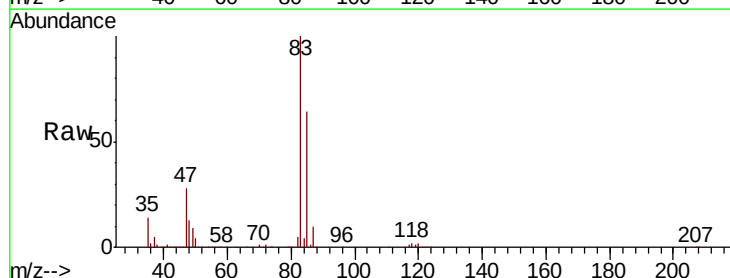


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

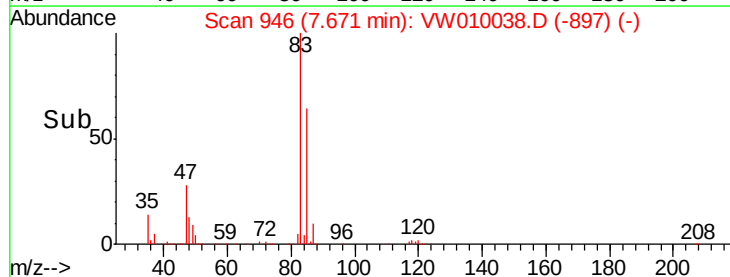
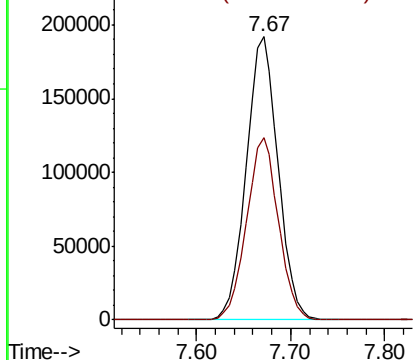


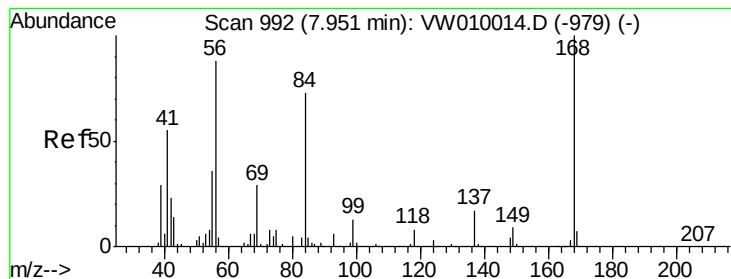
#30
Chloroform
Concen: 51.357 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 83 Resp: 454427
Ion Ratio Lower Upper
83 100
85 64.5 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 54.904 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

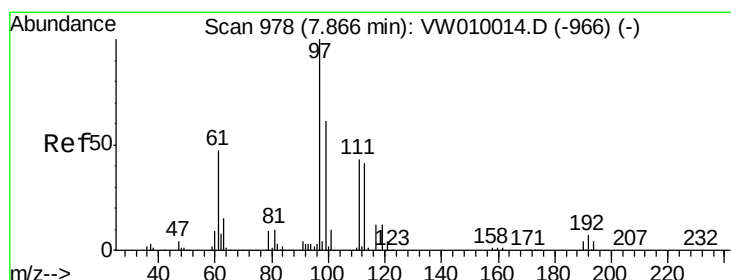
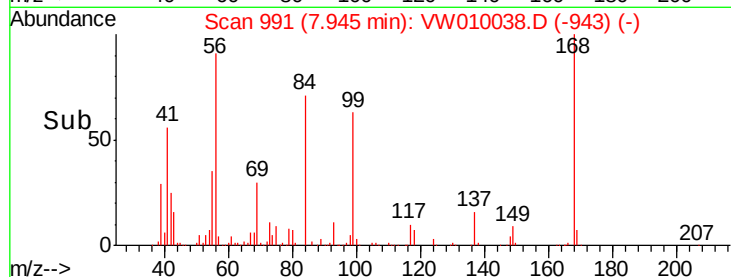
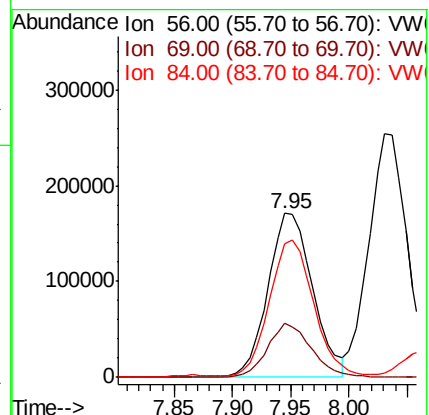
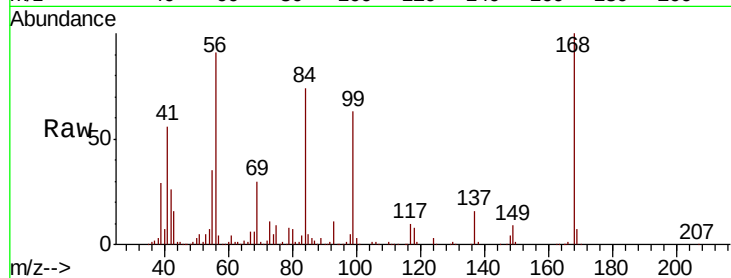
Tgt Ion: 56 Resp: 454005

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

84 79.8 66.2 99.2



#32

1,1,1-Trichloroethane

Concen: 53.567 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

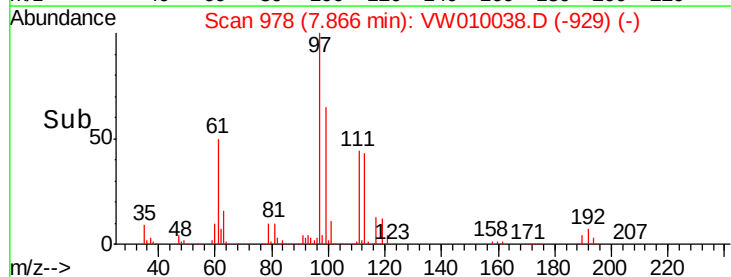
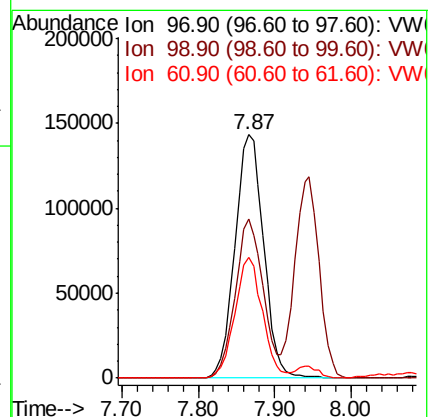
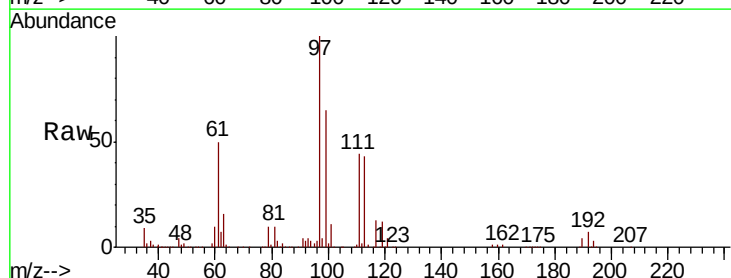
Tgt Ion: 97 Resp: 372091

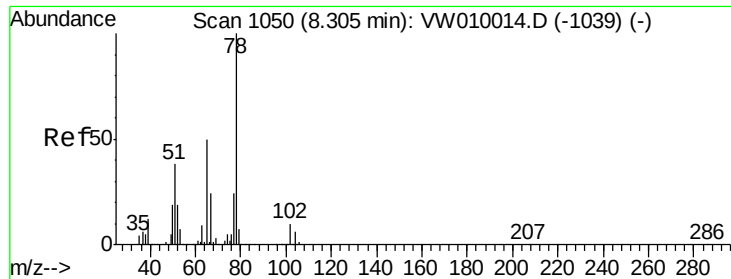
Ion Ratio Lower Upper

97 100

99 62.8 50.2 75.2

61 47.6 38.2 57.2

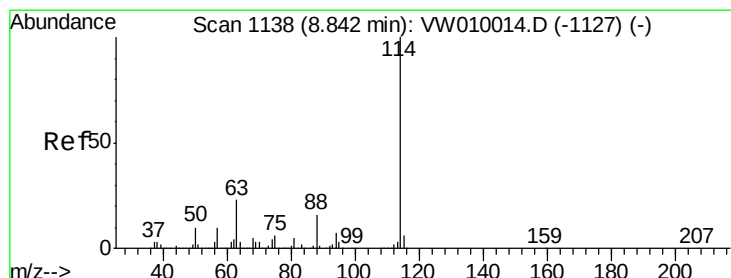
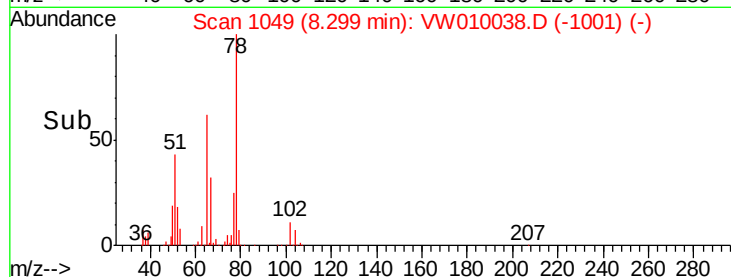
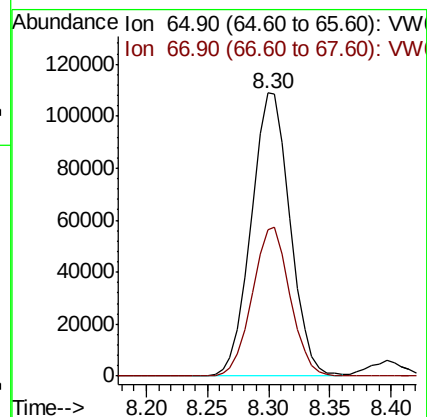
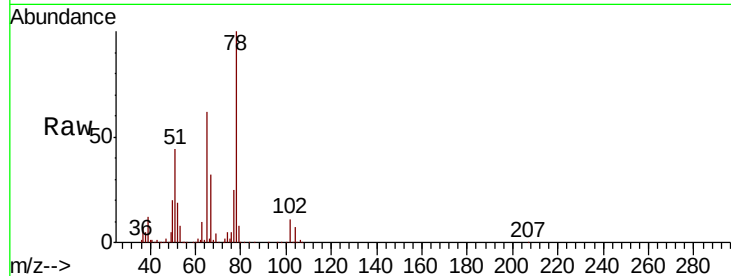




#33
 1,2-Dichloroethane-d4
 Concen: 47.040 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

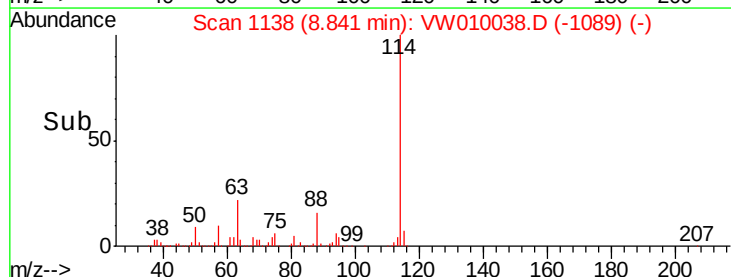
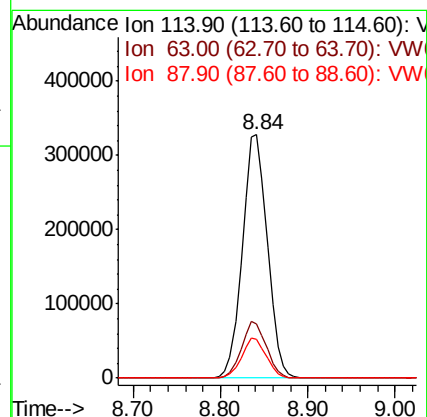
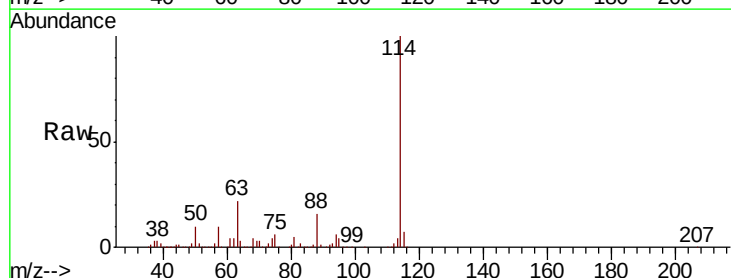
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

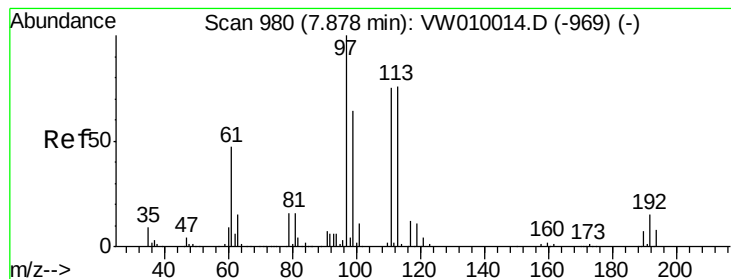
Tgt Ion: 65 Resp: 240525
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 114 Resp: 650352
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

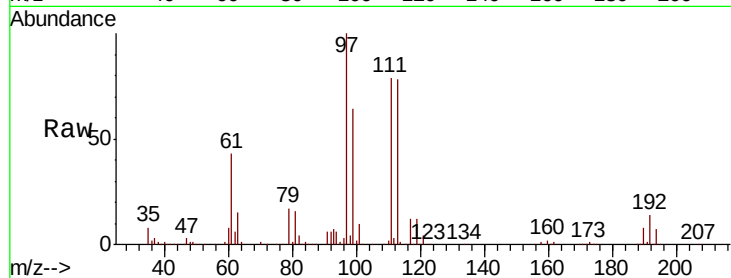
Tgt Ion: 113 Resp: 206142

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

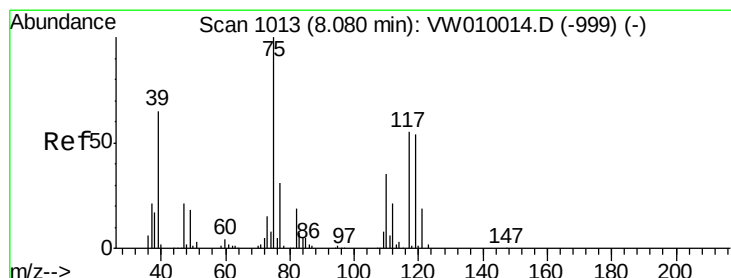
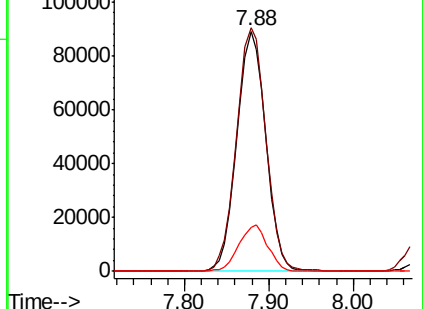
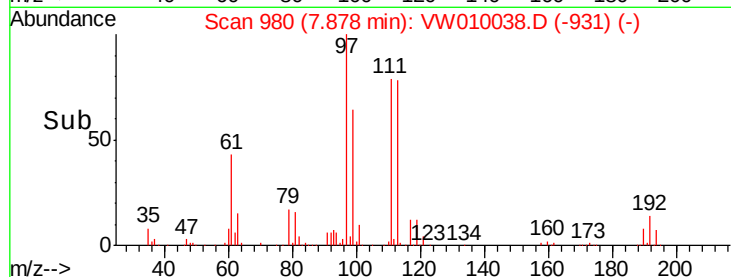
192 19.3 15.4 23.2



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: 57.843 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

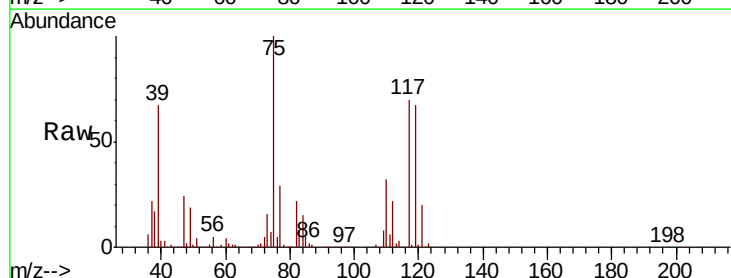
Tgt Ion: 75 Resp: 384261

Ion Ratio Lower Upper

75 100

110 32.6 16.6 49.8

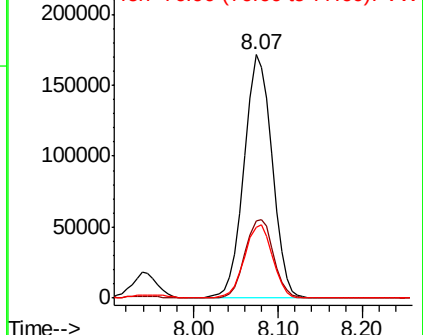
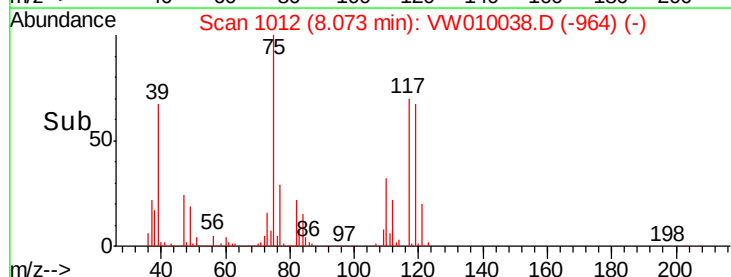
77 30.6 24.8 37.2

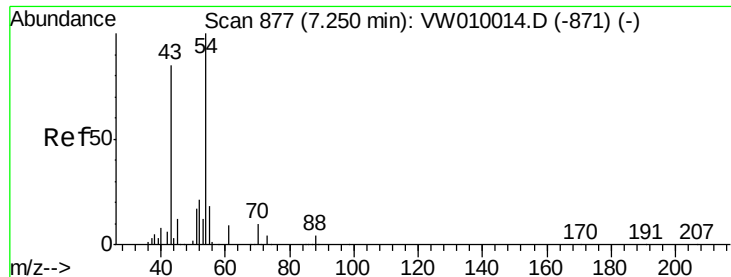


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

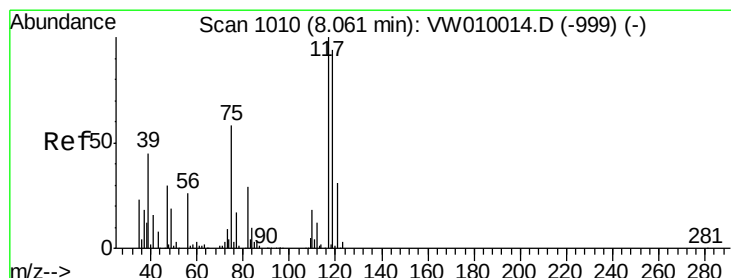
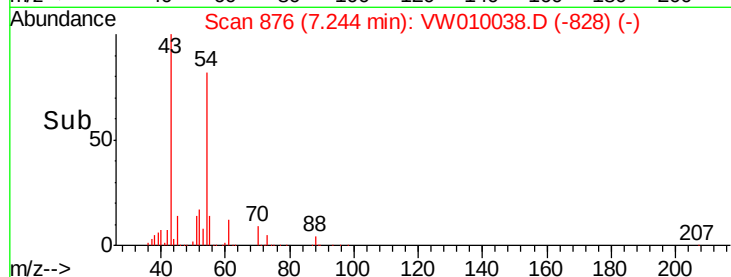
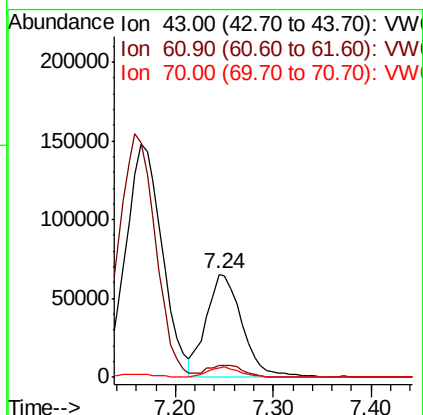
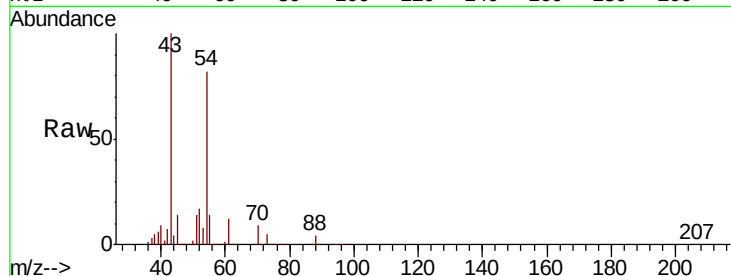




#37
Ethyl Acetate
Concen: 48.920 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

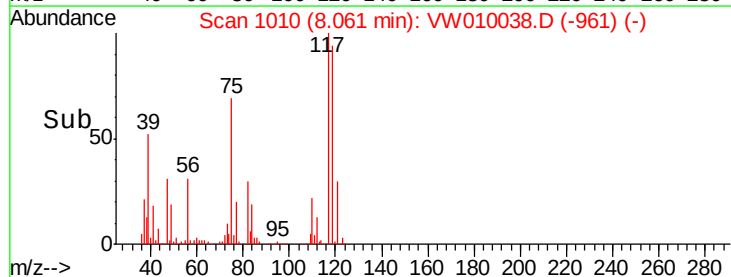
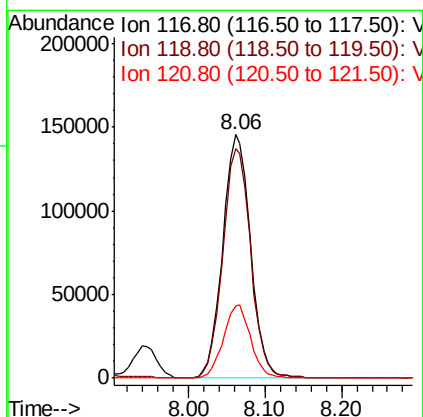
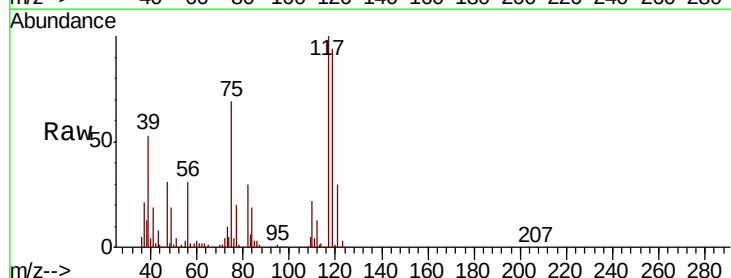
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

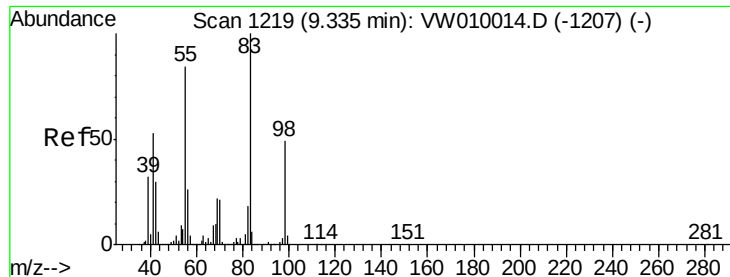
Tgt Ion: 43 Resp: 165139
Ion Ratio Lower Upper
43 100
61 12.2 9.8 14.8
70 9.1 7.4 11.0



#38
Carbon Tetrachloride
Concen: 56.426 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 117 Resp: 365838
Ion Ratio Lower Upper
117 100
119 94.2 75.3 112.9
121 29.6 24.4 36.6

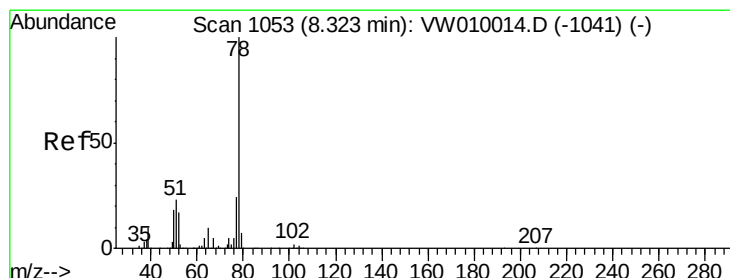
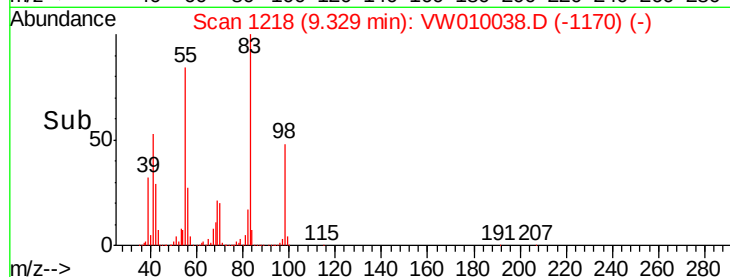
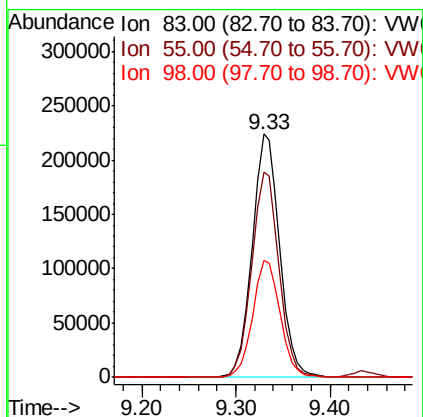
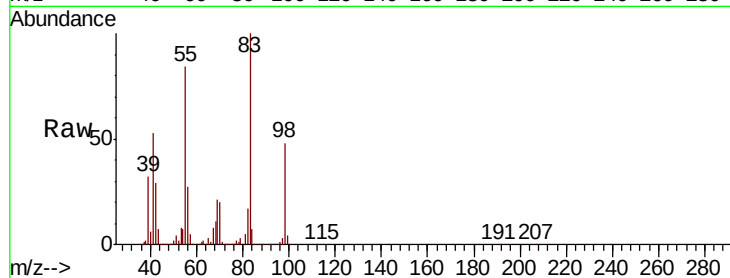




#39
Methylcyclohexane
Concen: 56.601 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

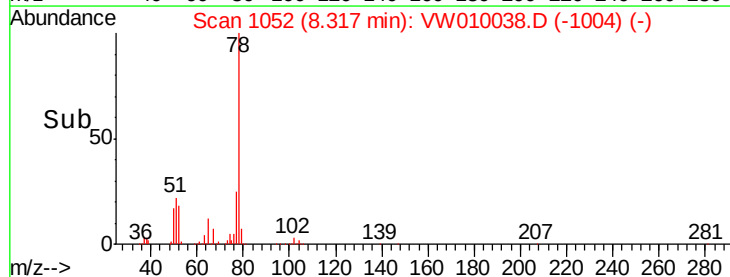
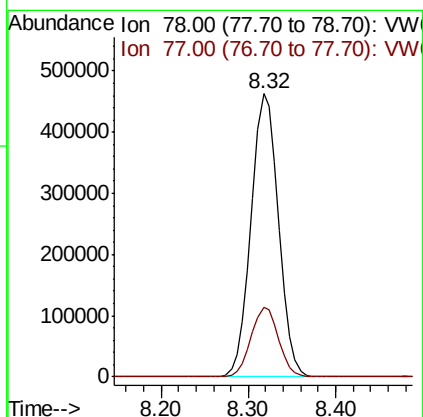
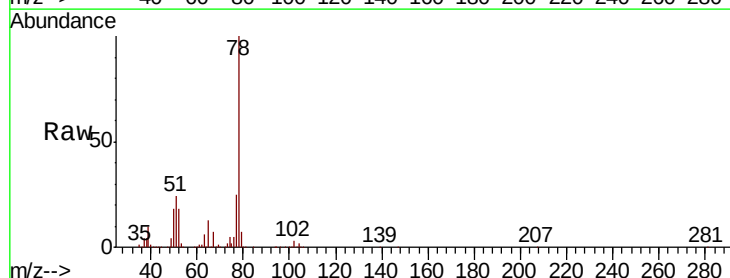
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

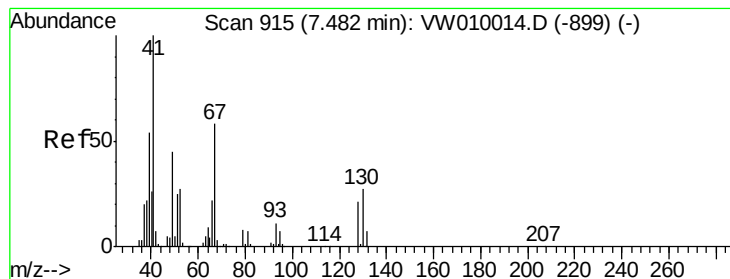
Tgt Ion: 83 Resp: 458860
Ion Ratio Lower Upper
83 100
55 84.0 67.1 100.7
98 48.0 39.2 58.8



#40
Benzene
Concen: 55.604 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 78 Resp: 1010002
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7





#41

Methacrylonitrile

Concen: 46.355 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 89184

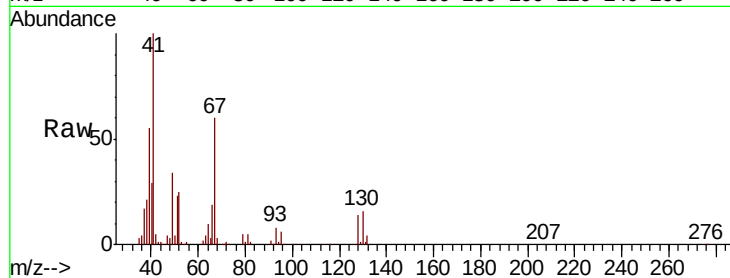
Ion Ratio Lower Upper

41 100

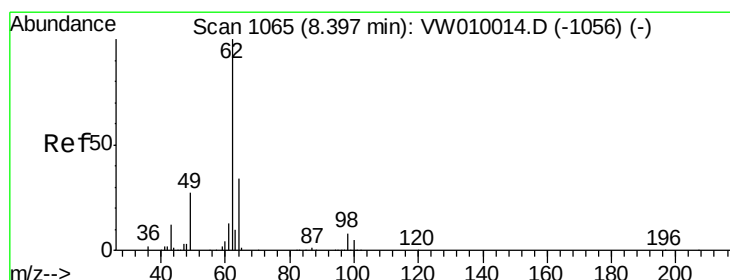
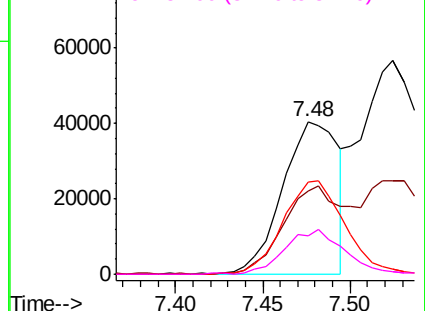
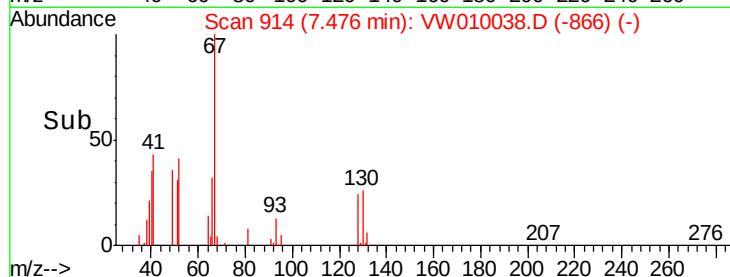
39 63.5 45.0 67.4

67 68.8 50.7 76.1

52 31.6 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.001 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010038.D

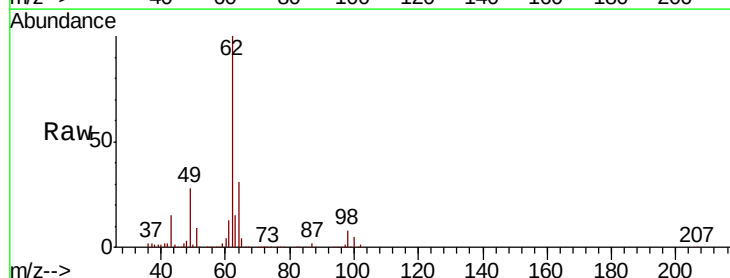
Acq: 18 Apr 2019 11:39

Tgt Ion: 62 Resp: 318366

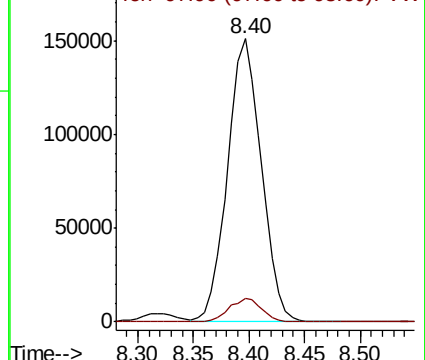
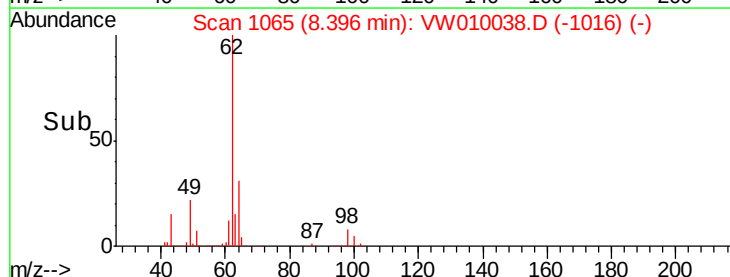
Ion Ratio Lower Upper

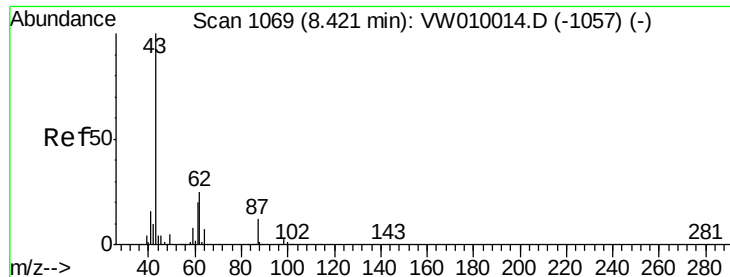
62 100

98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.297 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

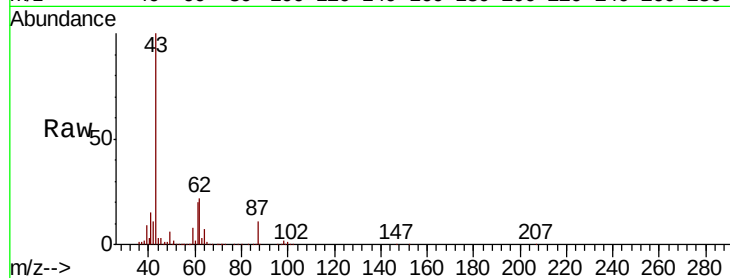
Tgt Ion: 43 Resp: 318167

Ion Ratio Lower Upper

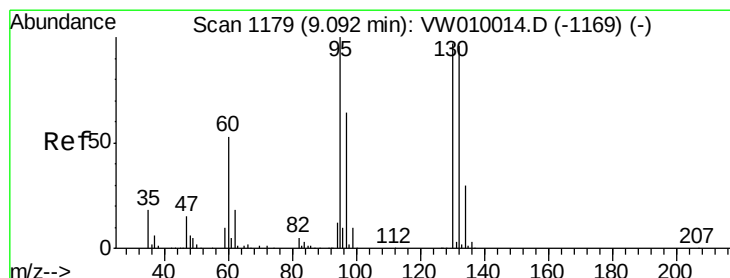
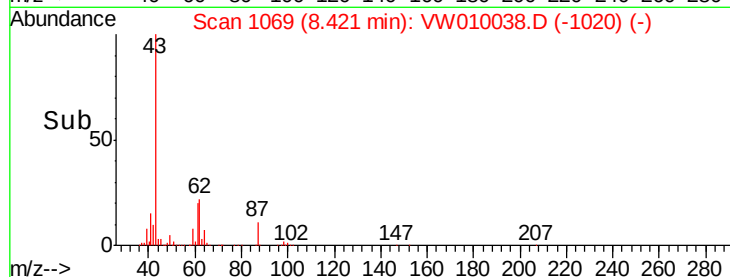
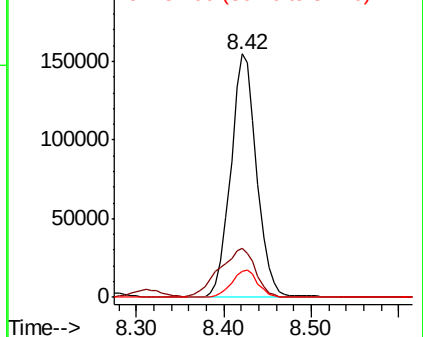
43 100

61 28.2 23.0 34.6

87 11.4 9.3 13.9



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: 56.280 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010038.D

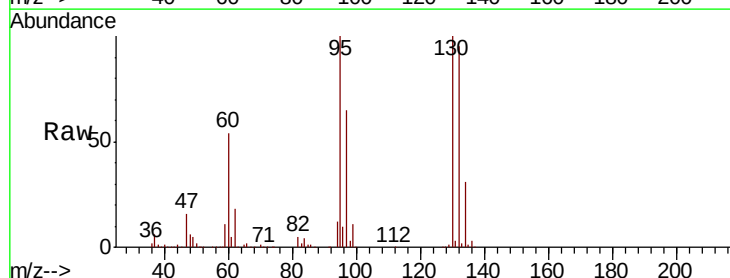
Acq: 18 Apr 2019 11:39

Tgt Ion: 130 Resp: 259650

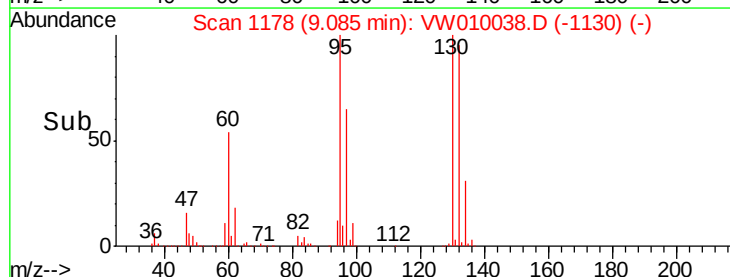
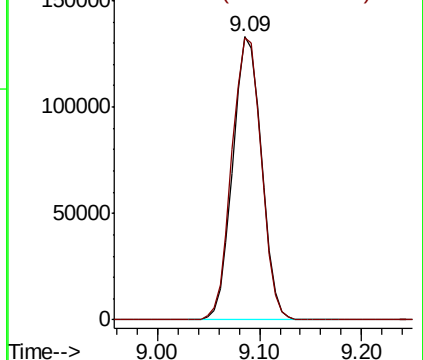
Ion Ratio Lower Upper

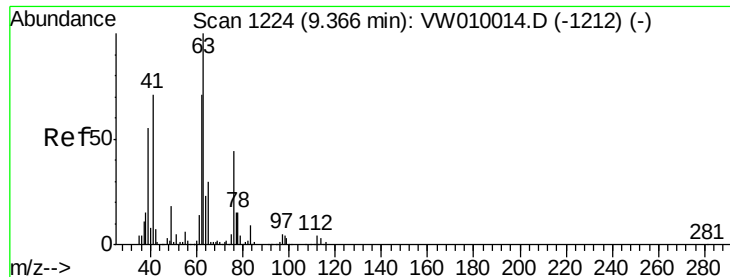
130 100

95 99.5 0.0 205.4



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

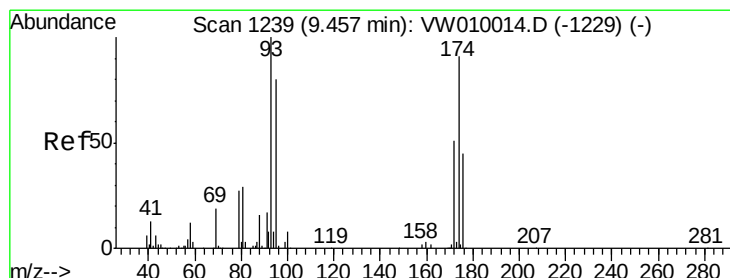
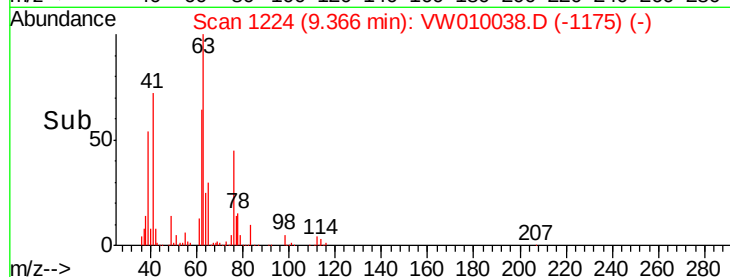
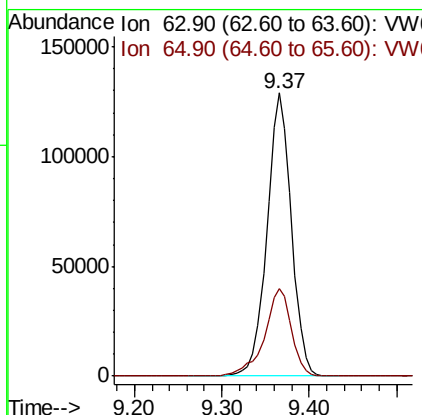
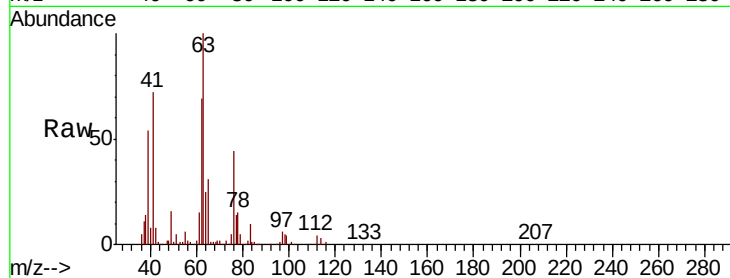




#45
 1,2-Dichloropropane
 Concen: 52.712 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

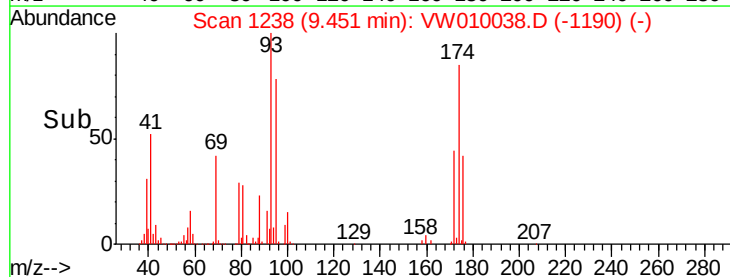
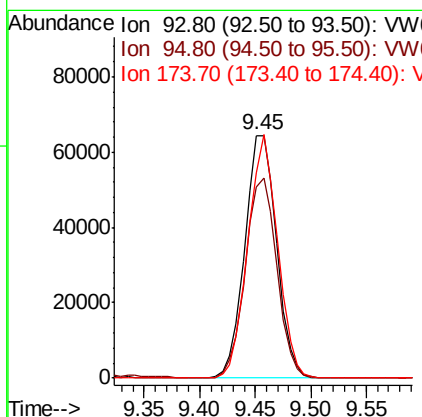
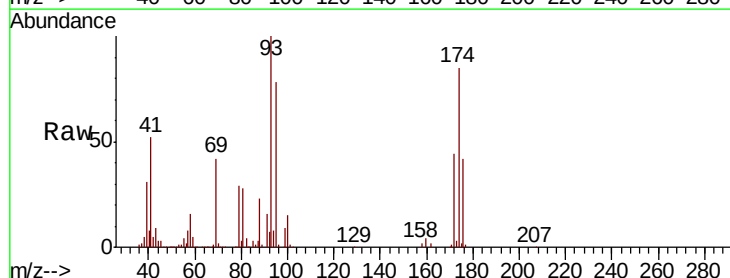
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

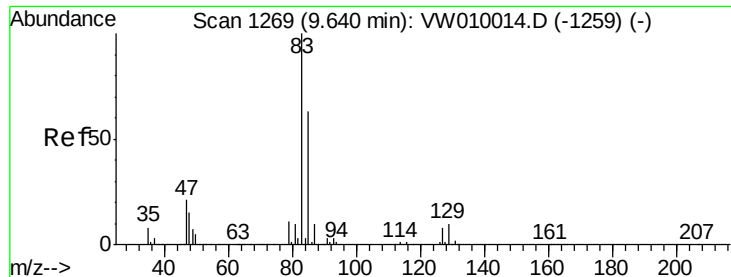
Tgt Ion: 63 Resp: 251674
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 51.880 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 93 Resp: 128382
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.8
 174 94.0 75.5 113.3

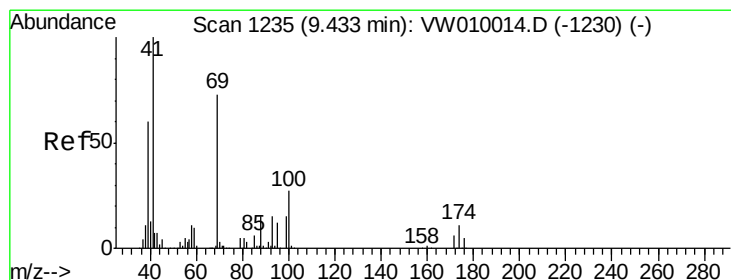
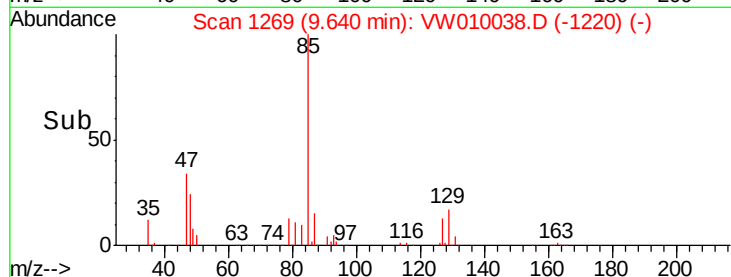
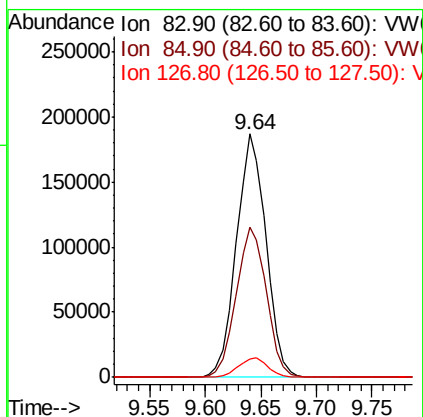
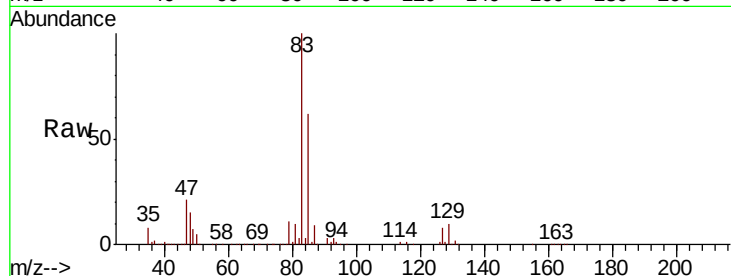




#47
 Bromodichloromethane
 Concen: 53.697 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

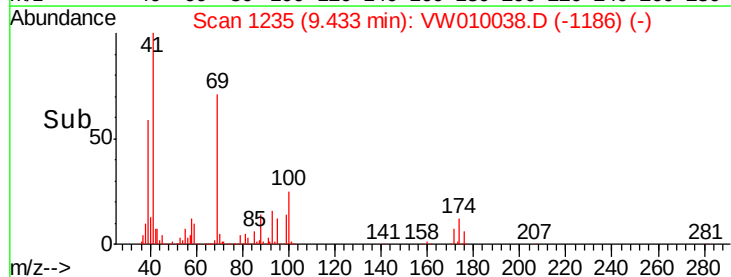
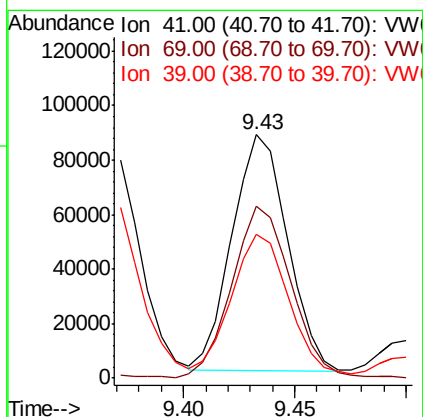
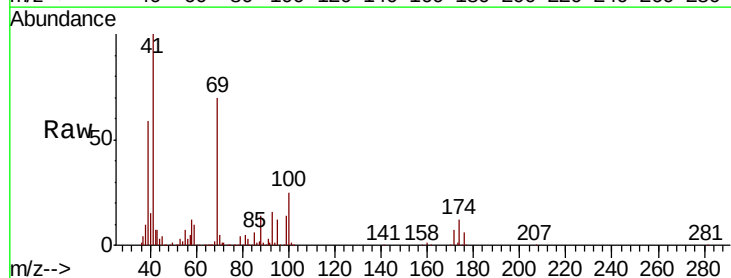
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

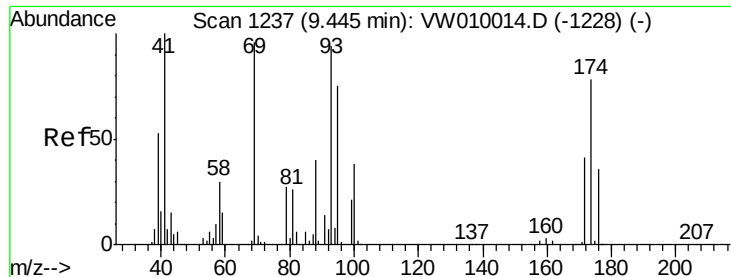
Tgt Ion: 83 Resp: 343015
 Ion Ratio Lower Upper
 83 100
 85 61.6 50.6 75.8
 127 7.7 6.6 10.0



#48
 Methyl methacrylate
 Concen: 48.933 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 41 Resp: 150675
 Ion Ratio Lower Upper
 41 100
 69 77.6 60.1 90.1
 39 59.7 51.0 76.6





#49

1,4-Dioxane

Concen: 975.677 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

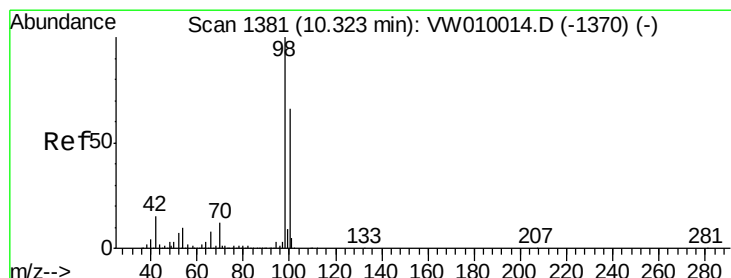
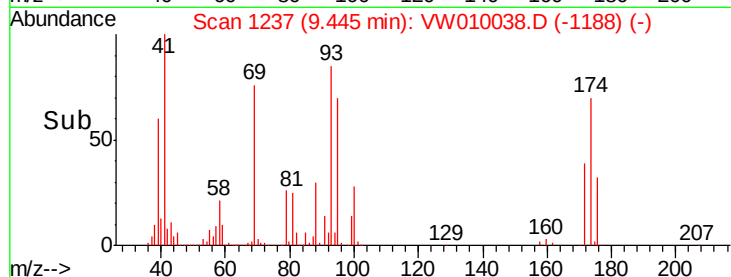
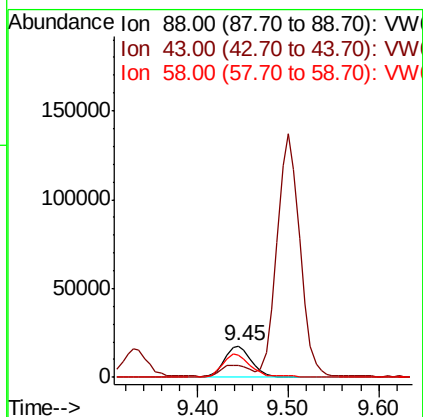
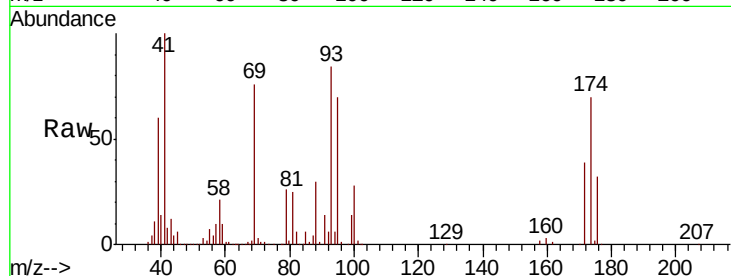
Tgt Ion: 88 Resp: 36892

Ion Ratio Lower Upper

88 100

43 36.5 31.9 47.9

58 78.7 61.8 92.6



#50

Toluene-d8

Concen: 53.274 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010038.D

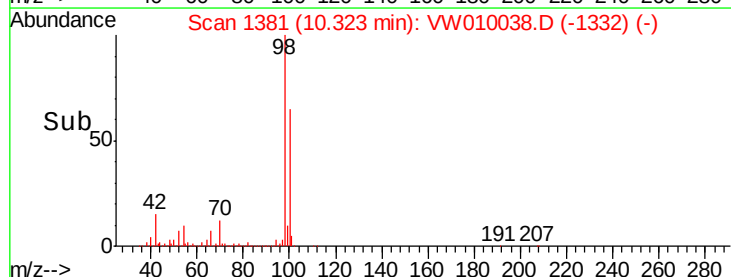
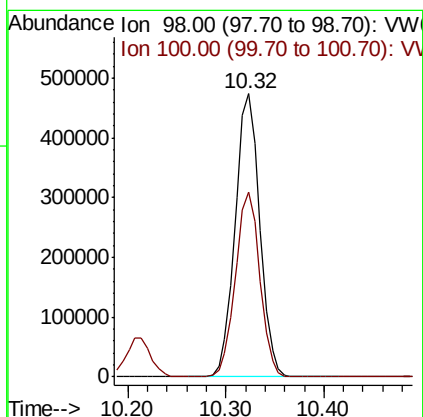
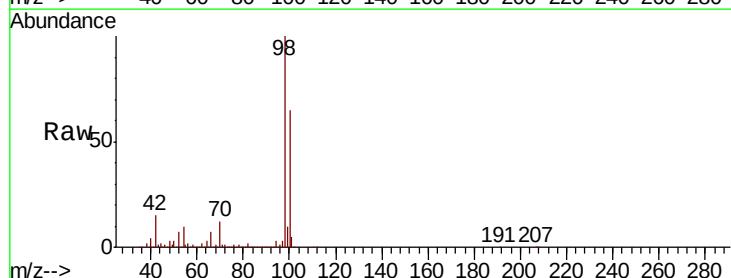
Acq: 18 Apr 2019 11:39

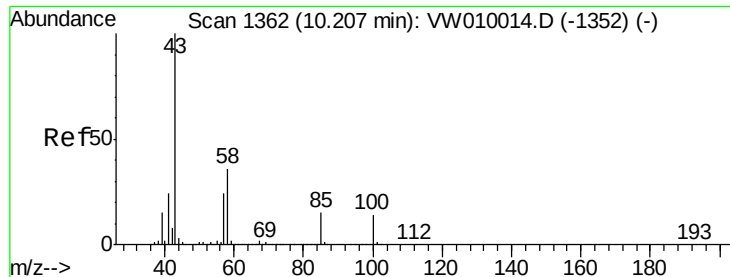
Tgt Ion: 98 Resp: 825398

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

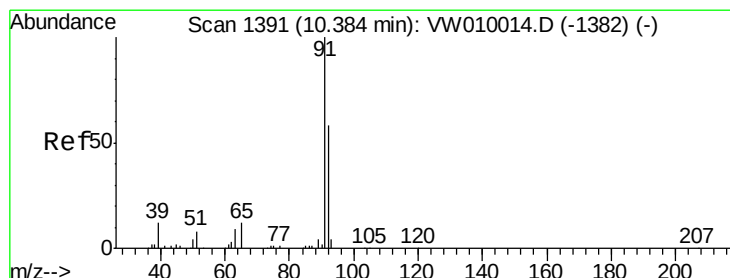
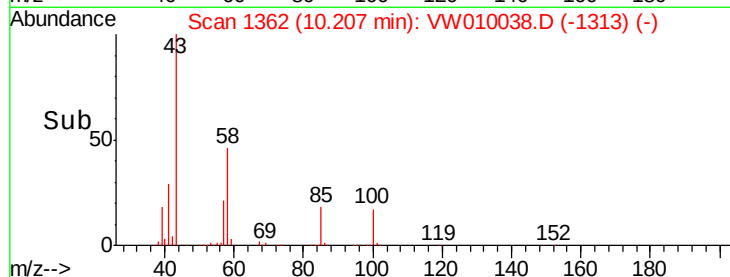
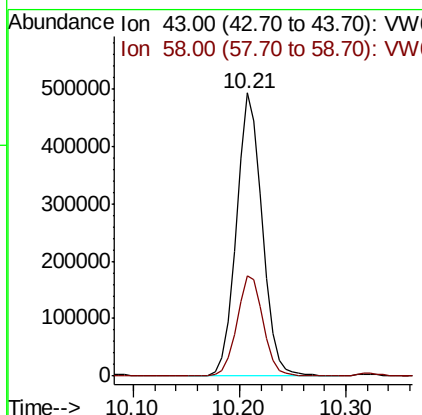
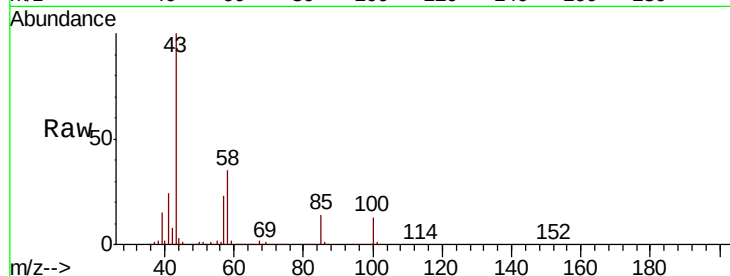




#51
 4-Methyl-2-Pentanone
 Concen: 252.296 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

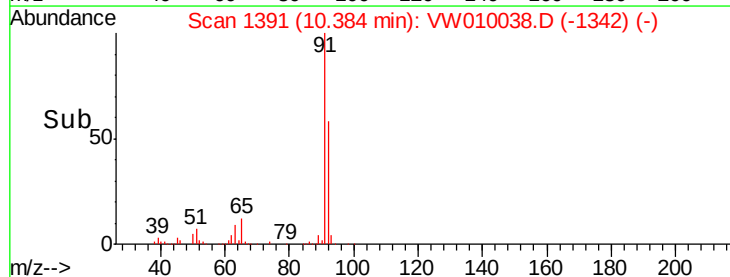
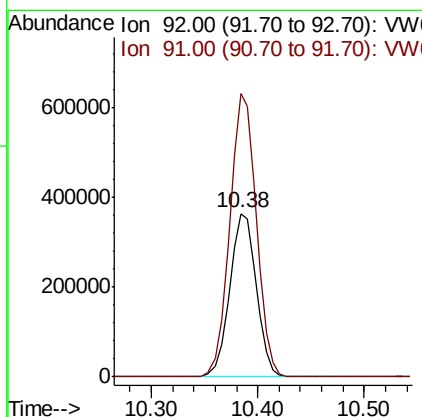
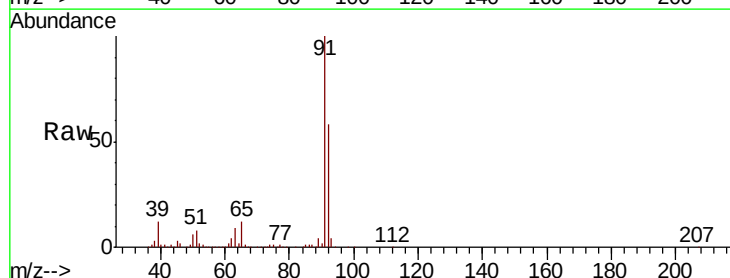
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

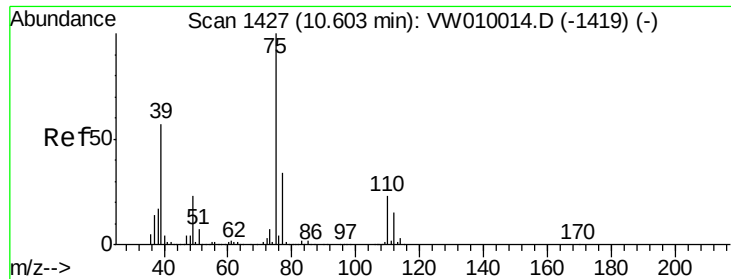
Tgt Ion: 43 Resp: 835893
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.9 43.3



#52
 Toluene
 Concen: 56.175 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 92 Resp: 635613
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 54.012 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

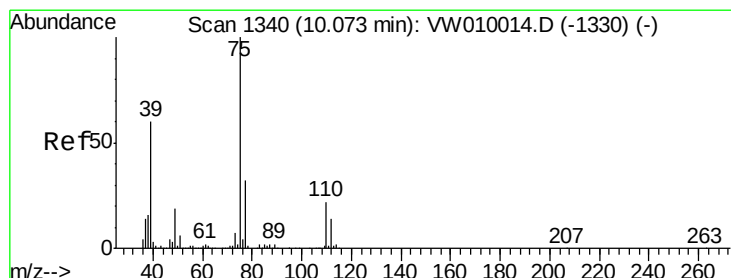
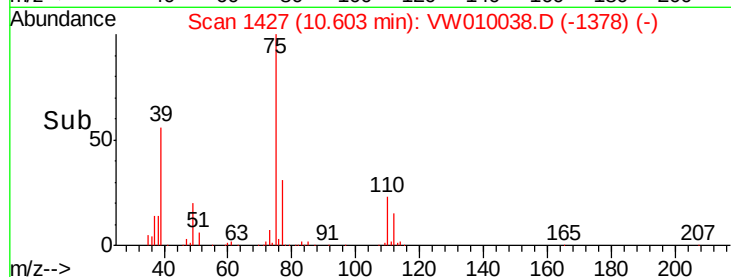
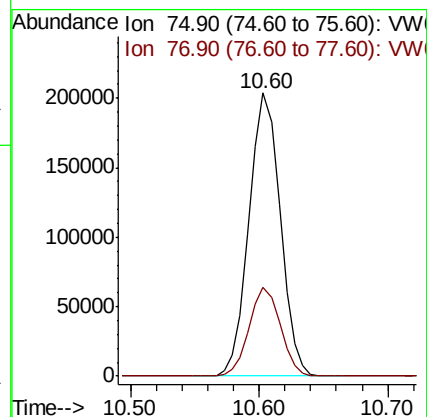
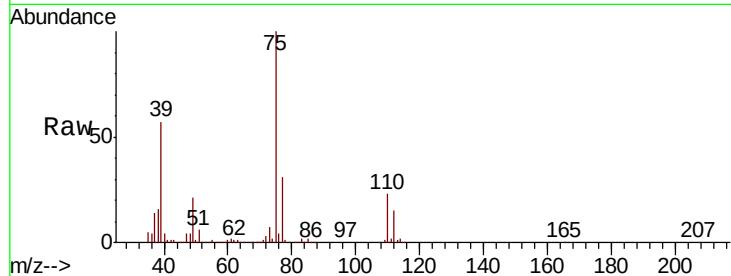
VSTDCCC050

Tgt Ion: 75 Resp: 342076

Ion Ratio Lower Upper

75 100

77 31.1 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 55.132 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

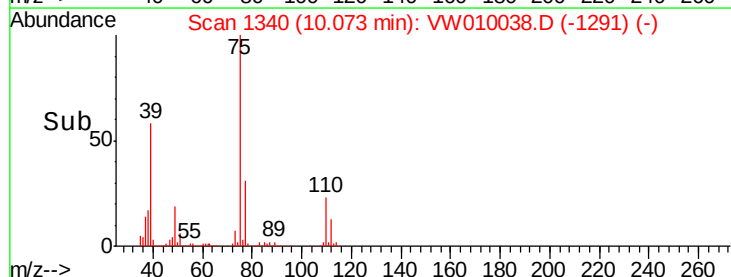
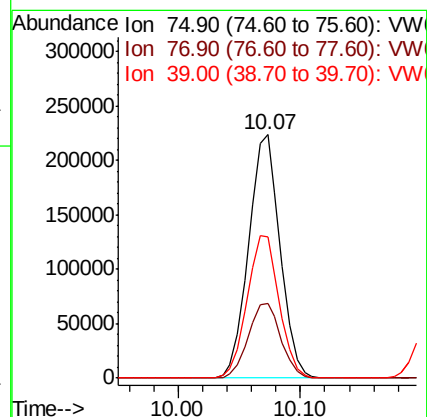
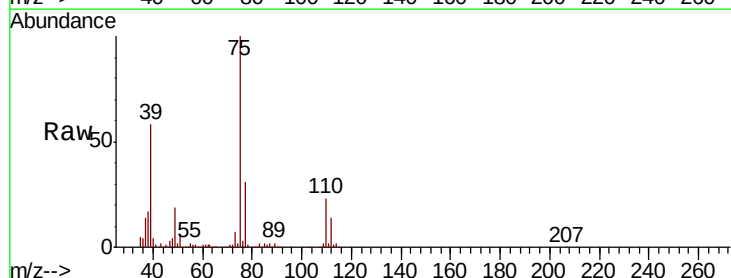
Tgt Ion: 75 Resp: 398711

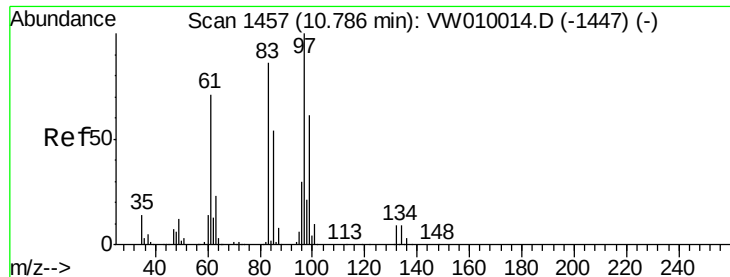
Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

39 57.8 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 50.565 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

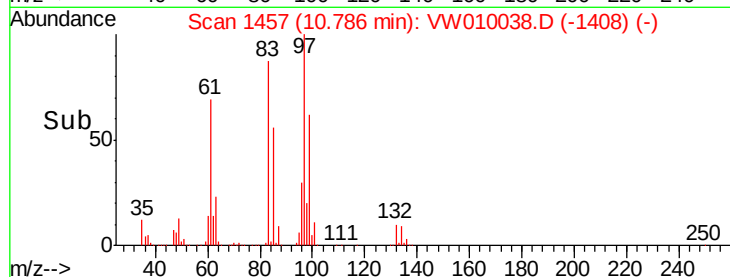
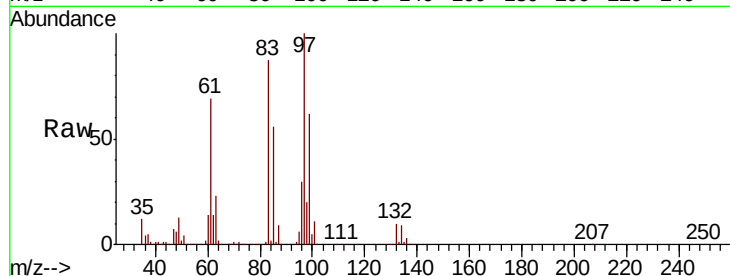
MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 174647

Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.9	103.3
85	56.5	42.9	64.3
99	62.4	48.6	72.8



Abundance

Ion 96.90 (96.60 to 97.60): VW

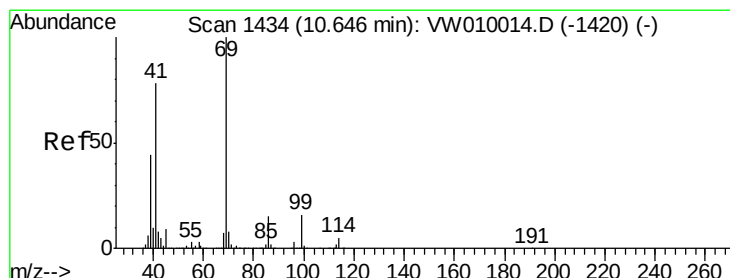
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 49.299 ug/l

RT: 10.65 min Scan# 1434

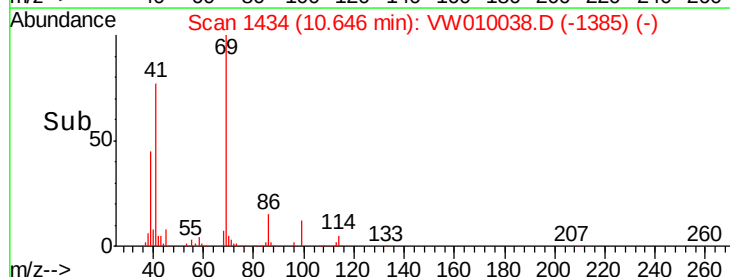
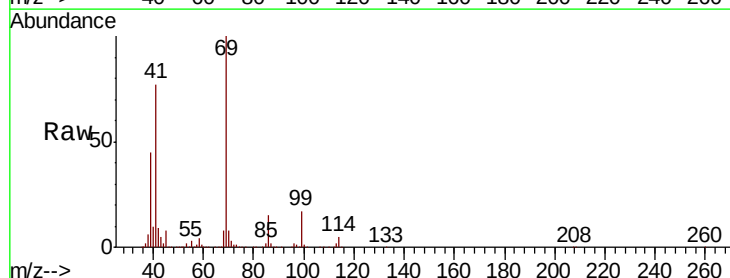
Delta R.T. 0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Tgt Ion: 69 Resp: 236261

Ion	Ratio	Lower	Upper
69	100		
41	78.2	61.0	91.6
39	40.9	33.8	50.6



Abundance

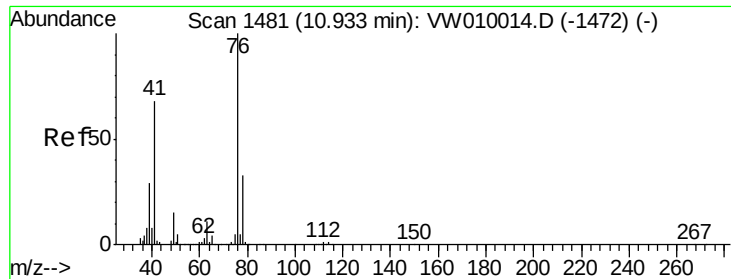
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->



#57

1,3-Dichloropropane

Concen: 50.985 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

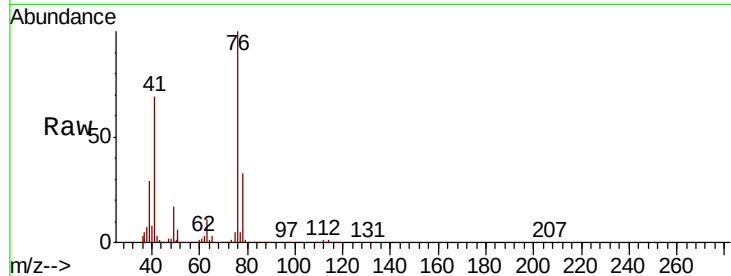
VSTDCCC050

Tgt Ion: 76 Resp: 315628

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

200000

150000

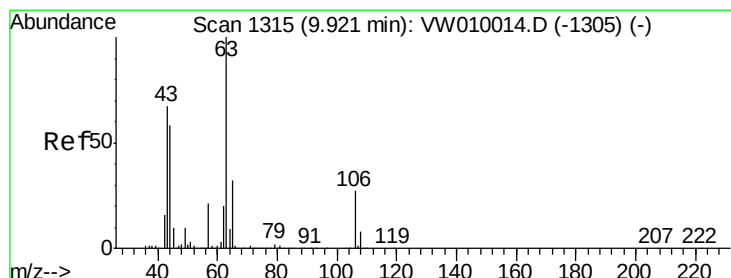
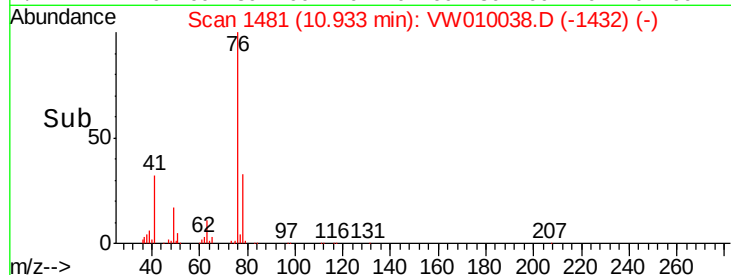
100000

50000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 262.508 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010038.D

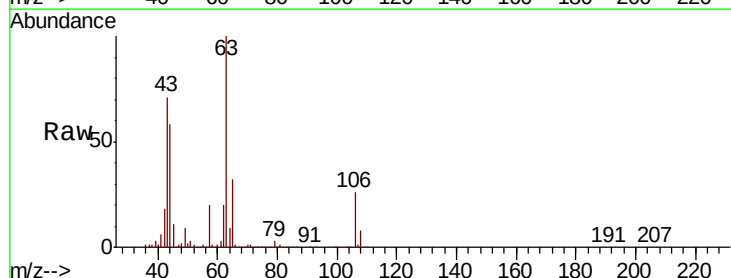
Acq: 18 Apr 2019 11:39

Tgt Ion: 63 Resp: 541777

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

300000

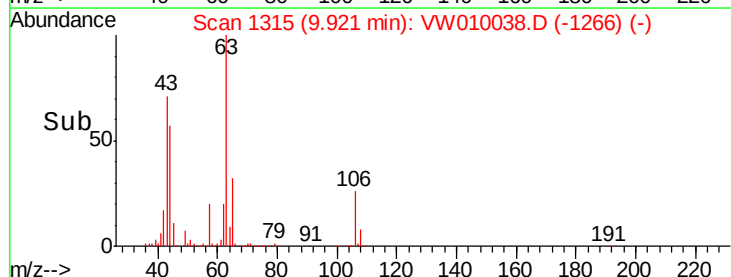
200000

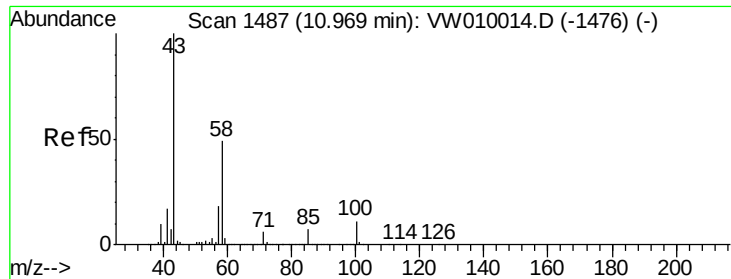
100000

0

Time-->

9.80 9.90 10.00

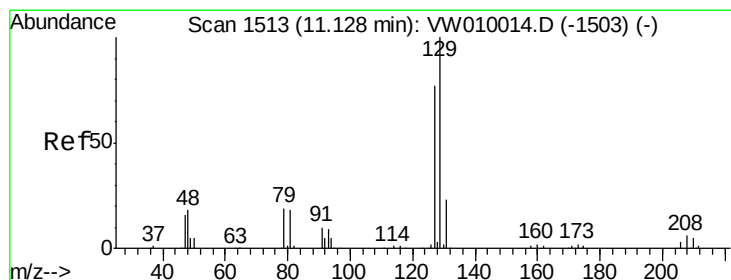
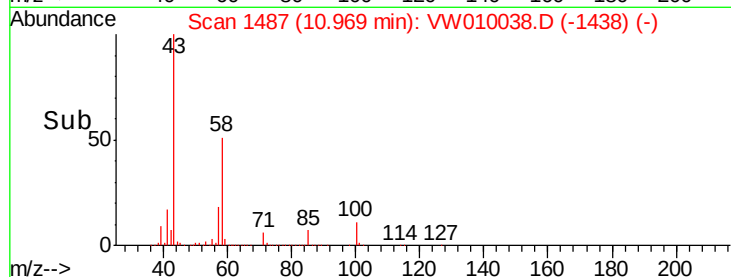
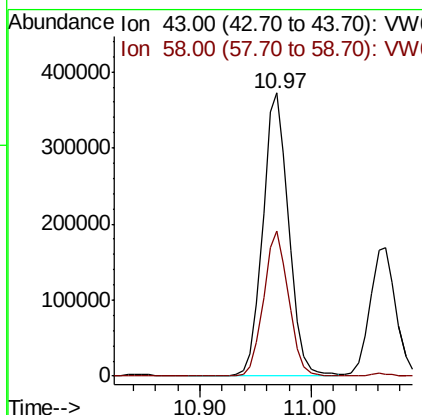
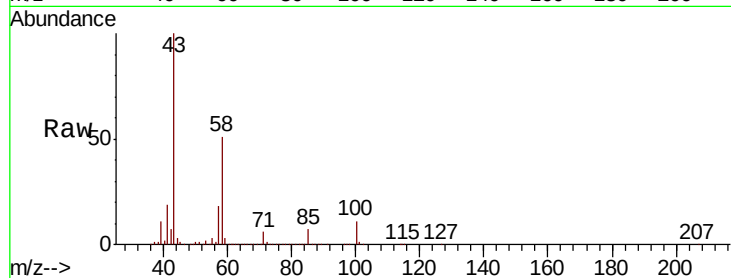




#59
2-Hexanone
Concen: 261.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

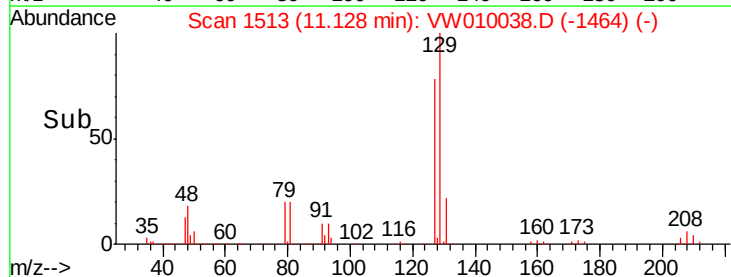
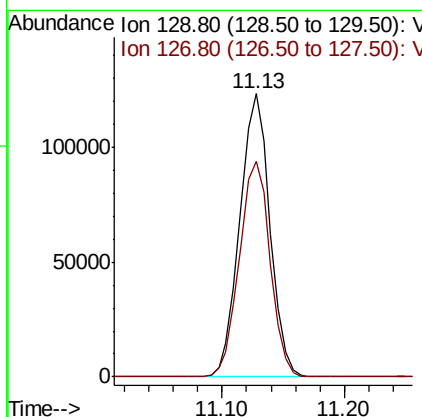
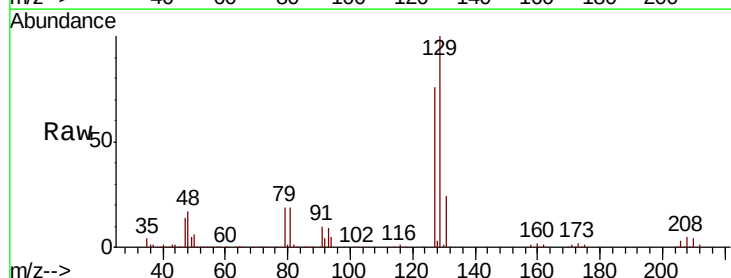
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

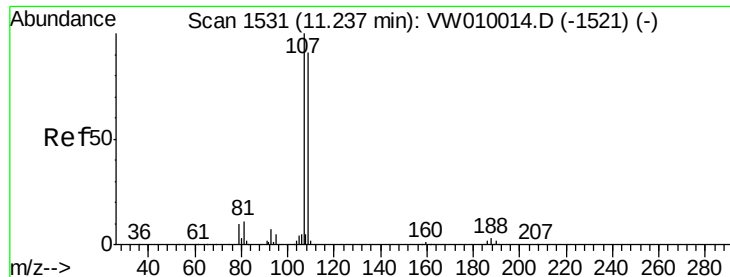
Tgt Ion: 43 Resp: 602010
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.7



#60
Dibromochloromethane
Concen: 52.692 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 129 Resp: 210346
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0

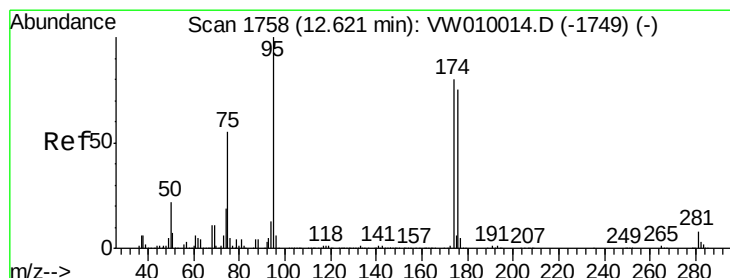
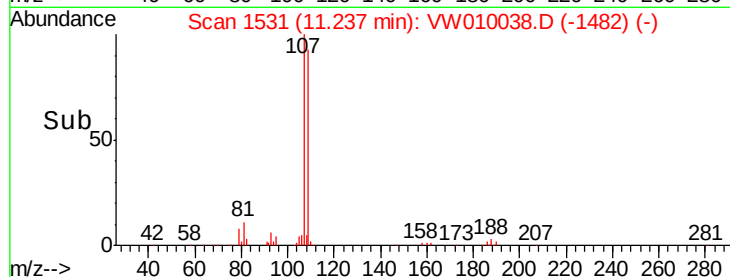
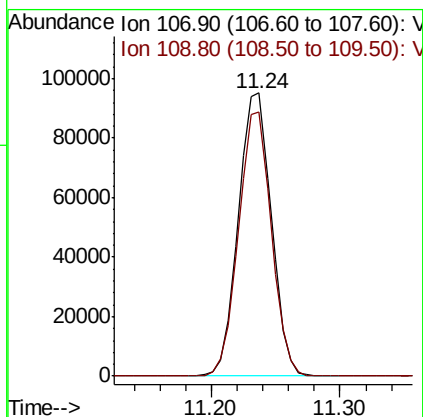
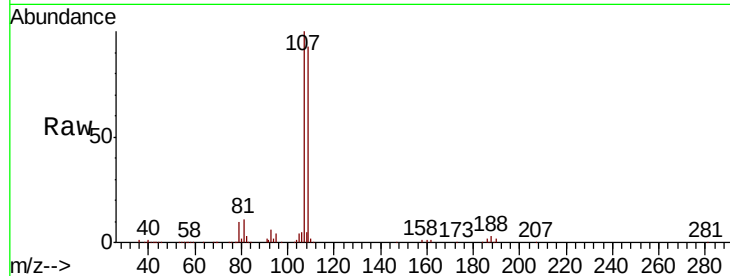




#61
 1,2-Dibromoethane
 Concen: 51.298 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

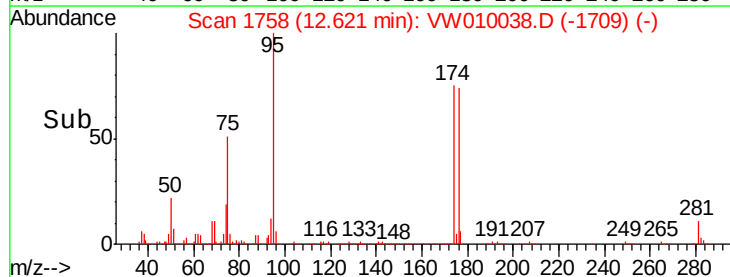
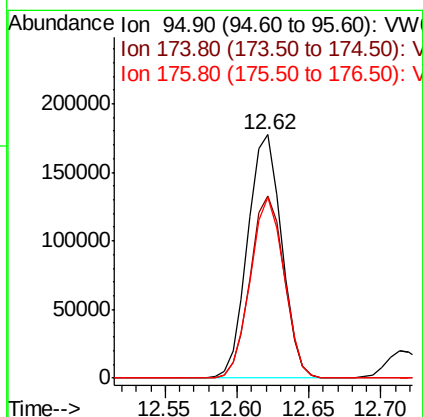
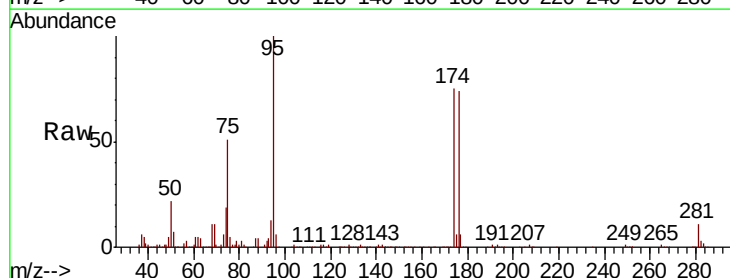
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

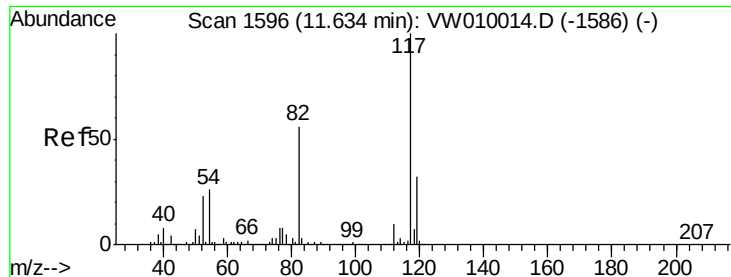
Tgt Ion: 107 Resp: 168546
 Ion Ratio Lower Upper
 107 100
 109 92.9 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 51.425 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 95 Resp: 289617
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 151.4
 176 73.9 0.0 146.2

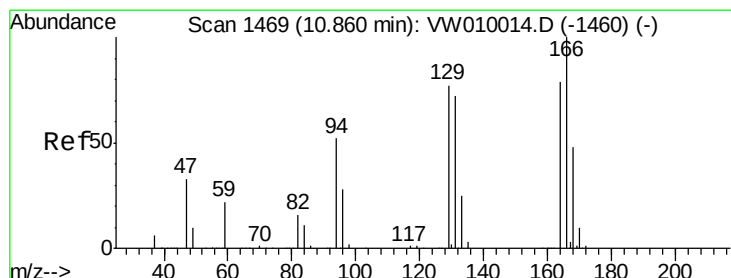
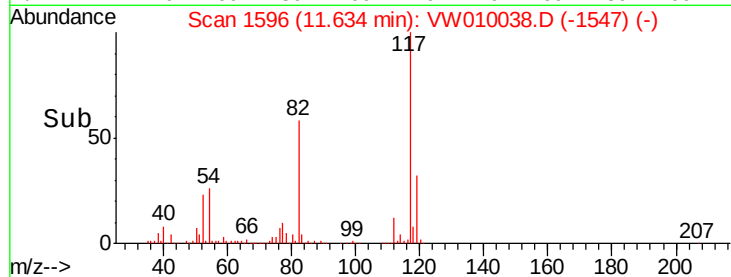
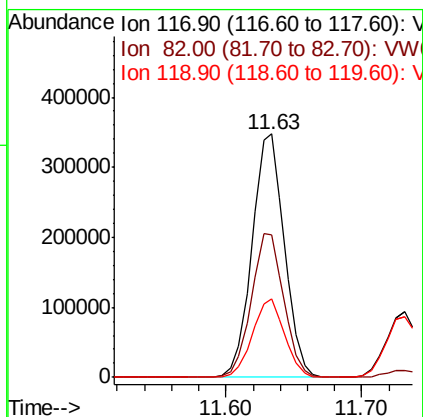
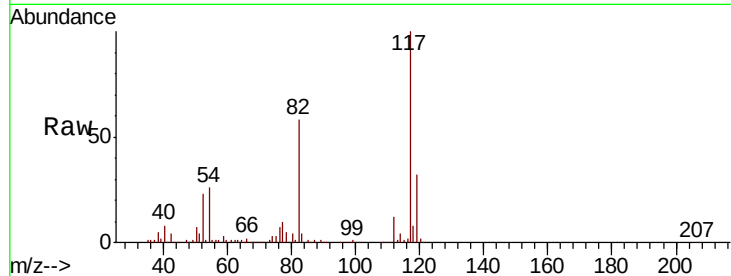




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

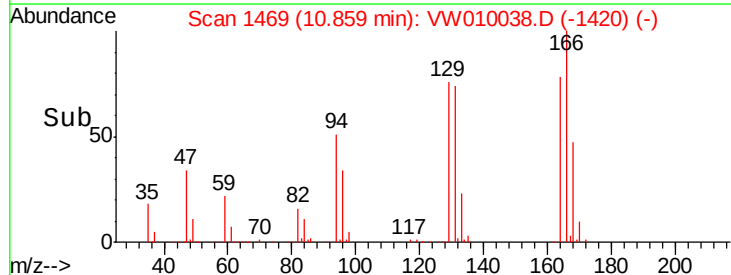
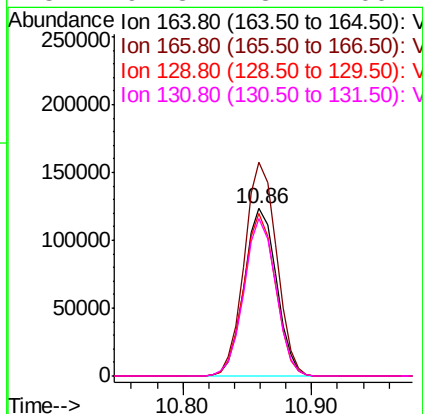
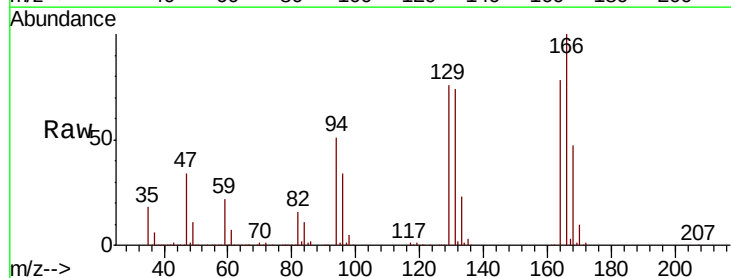
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

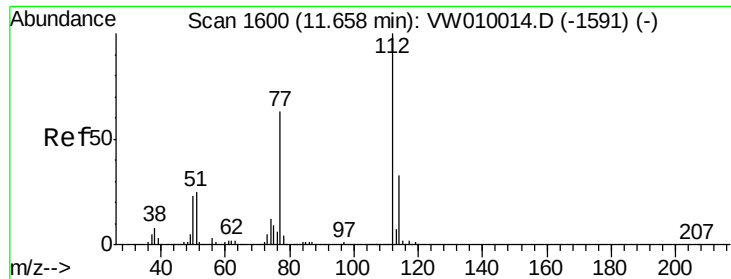
Tgt Ion:117 Resp: 579744
Ion Ratio Lower Upper
117 100
82 58.4 45.2 67.8
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 56.788 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion:164 Resp: 213720
Ion Ratio Lower Upper
164 100
166 127.5 101.2 151.8
129 97.3 77.8 116.6
131 94.3 73.1 109.7

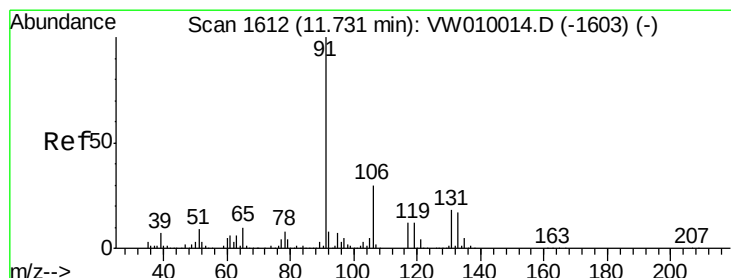
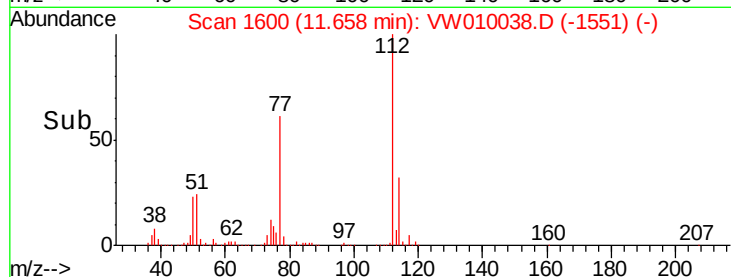
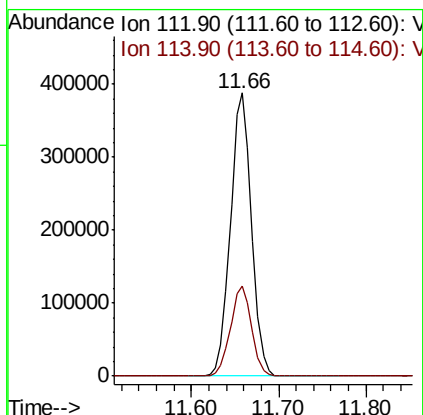
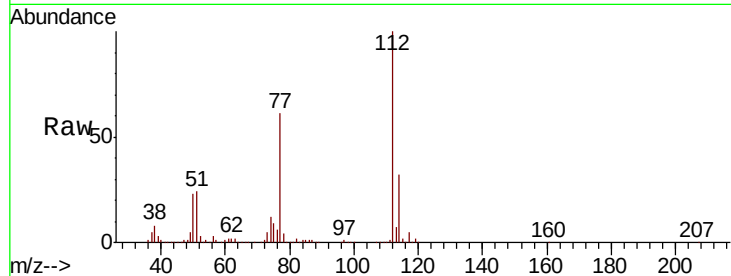




#65
Chlorobenzene
Concen: 54.657 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

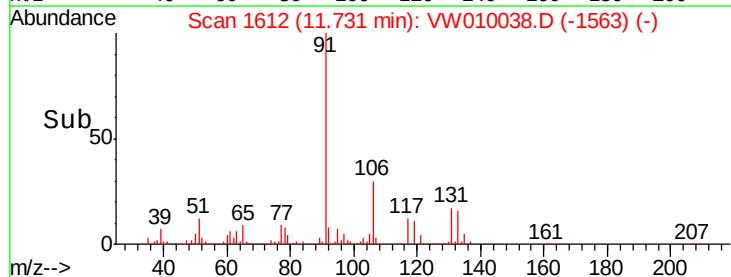
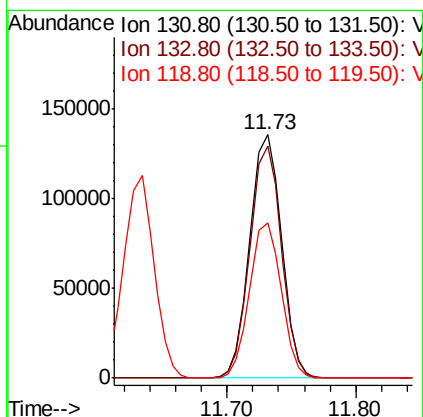
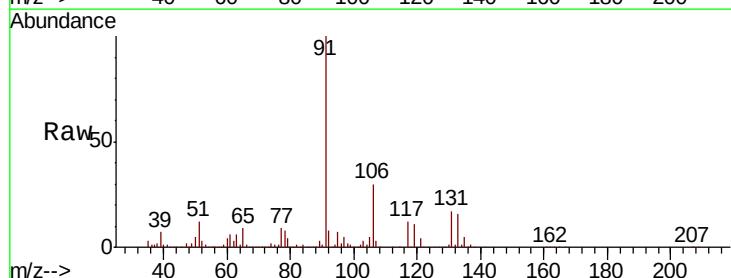
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

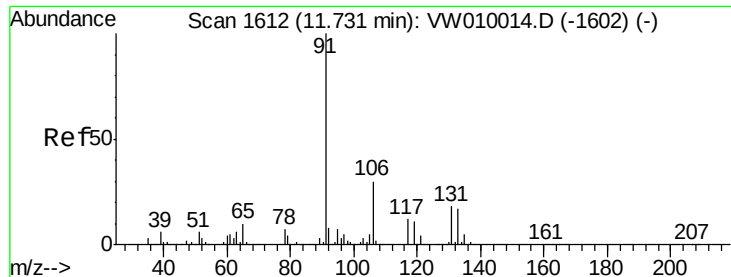
Tgt Ion:112 Resp: 648550
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.435 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion:131 Resp: 230985
Ion Ratio Lower Upper
131 100
133 94.7 46.5 139.5
119 63.9 31.9 95.5

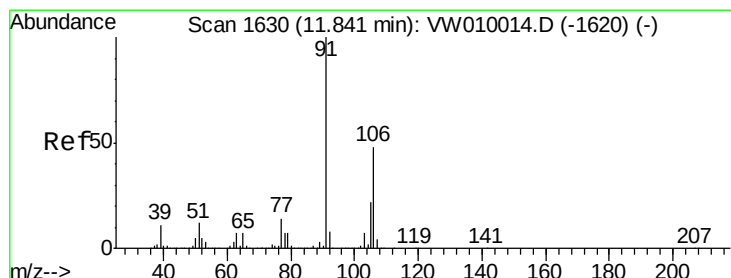
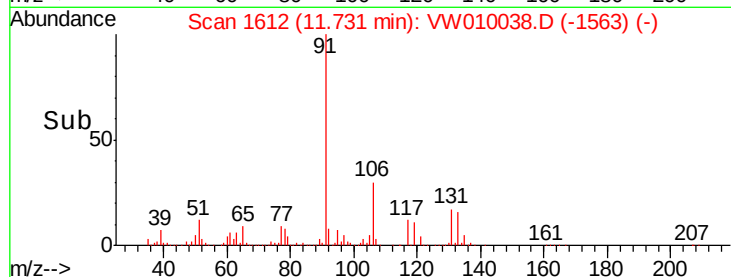
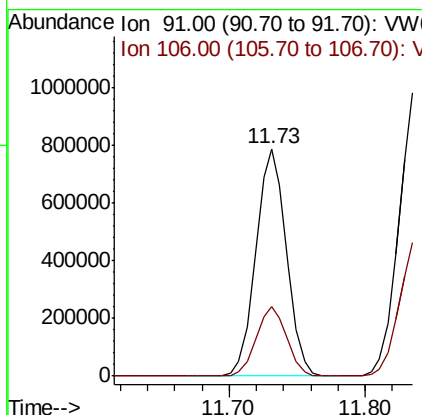
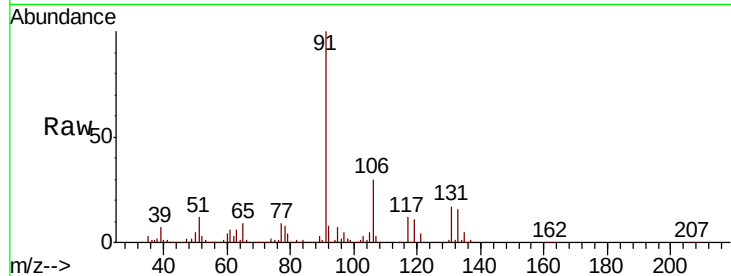




#67
Ethyl Benzene
Concen: 58.659 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

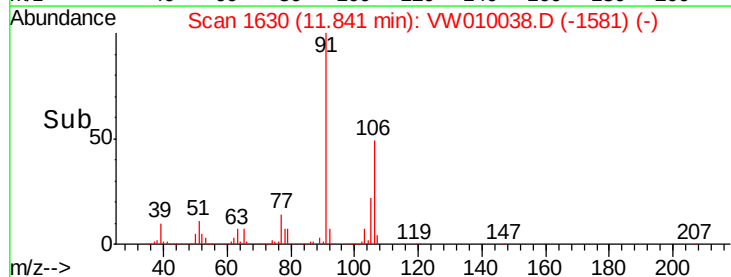
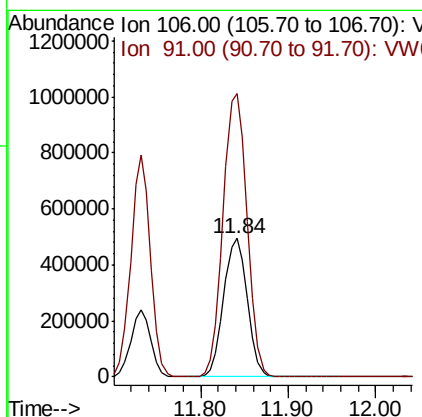
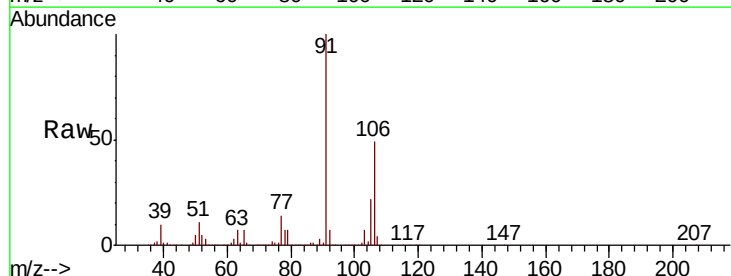
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

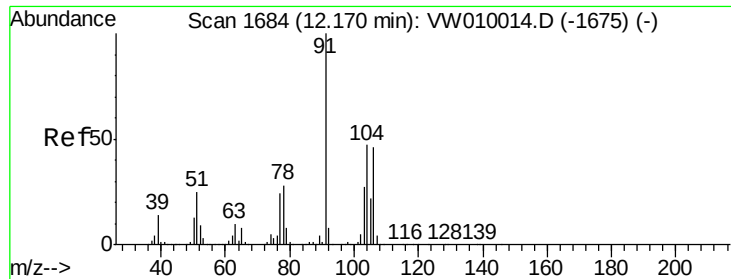
Tgt Ion: 91 Resp: 1241837
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8



#68
m/p-Xylenes
Concen: 116.936 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 106 Resp: 925388
Ion Ratio Lower Upper
106 100
91 208.0 165.0 247.6

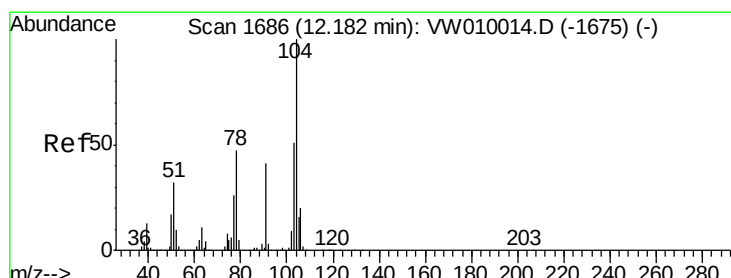
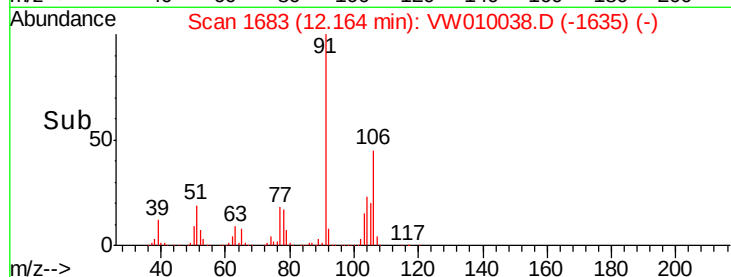
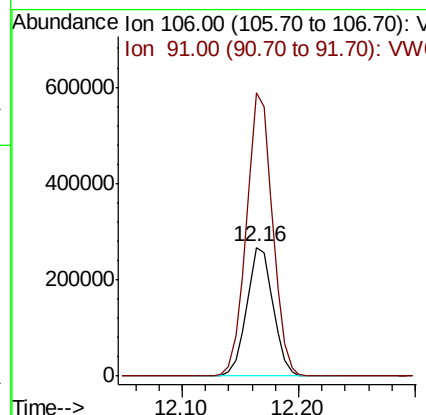
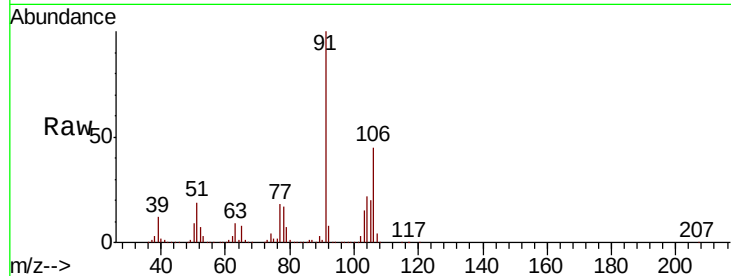




#69
o-Xylene
Concen: 58.605 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

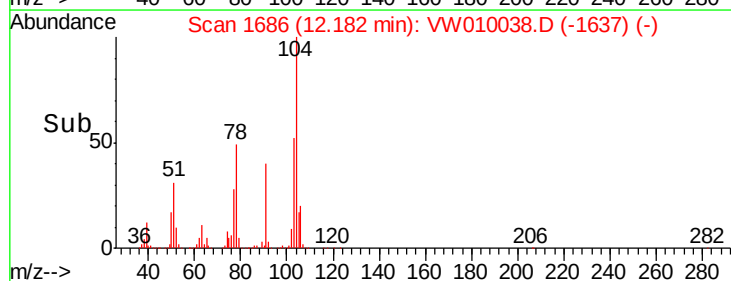
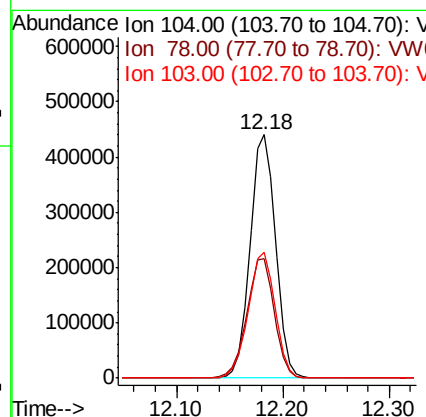
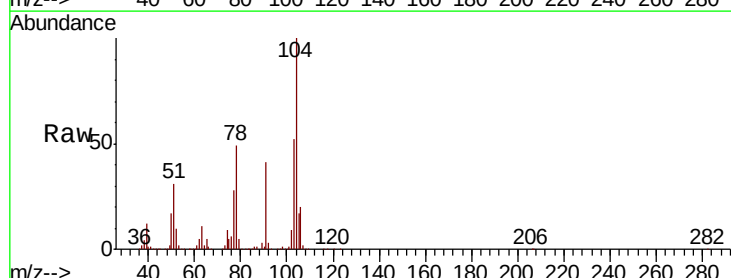
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

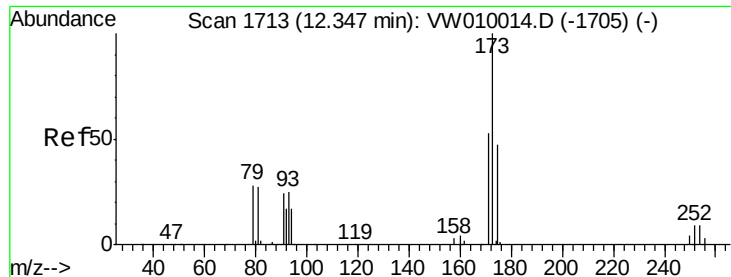
Tgt Ion:106 Resp: 422286
Ion Ratio Lower Upper
106 100
91 218.7 110.5 331.4



#70
Styrene
Concen: 59.375 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion:104 Resp: 737666
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 54.7 43.6 65.4





#71

Bromoform

Concen: 51.162 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

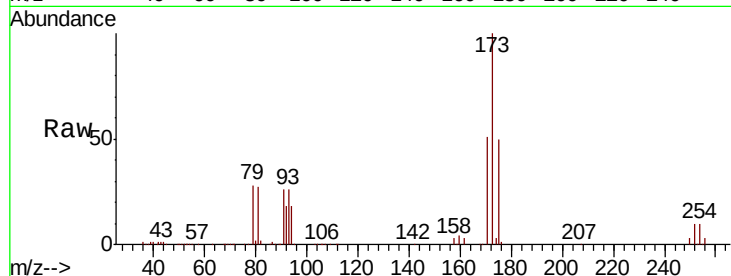
Tgt Ion:173 Resp: 114797

Ion Ratio Lower Upper

173 100

175 50.5 23.8 71.4

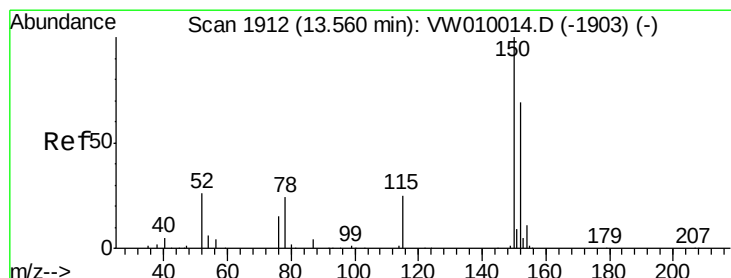
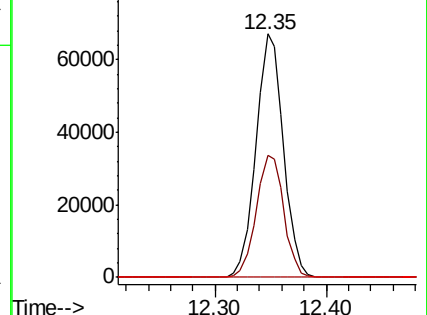
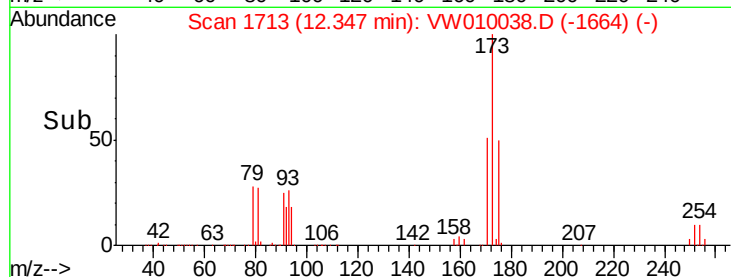
254 0.1 0.1 0.1#



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: VW010038.D

Acq: 18 Apr 2019 11:39

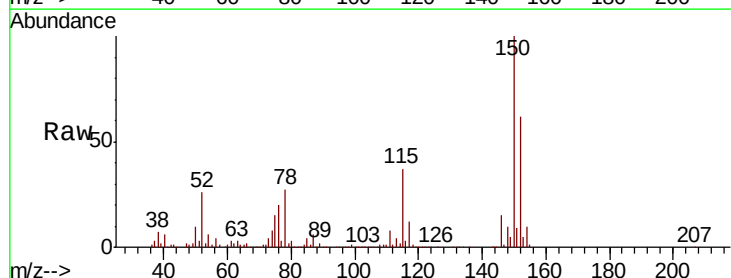
Tgt Ion:152 Resp: 288435

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.2

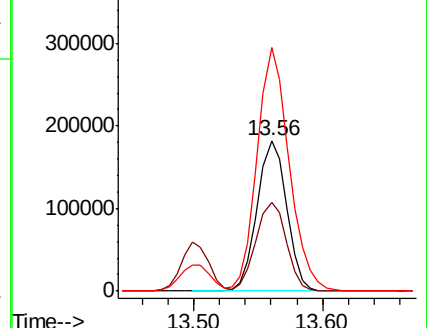
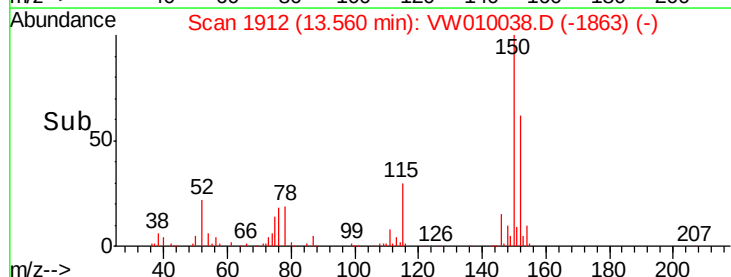
150 175.3 0.0 347.0

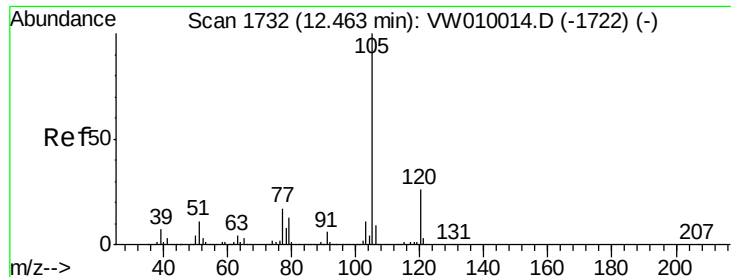


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

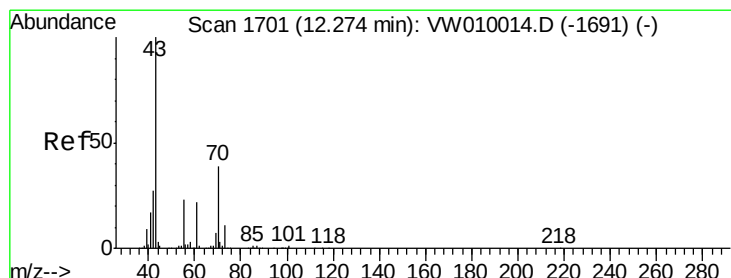
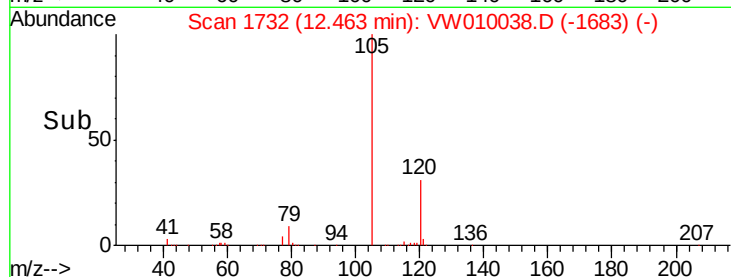
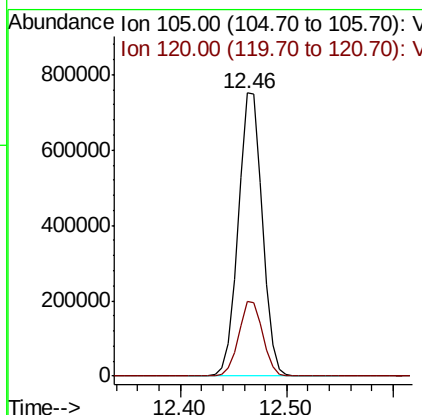
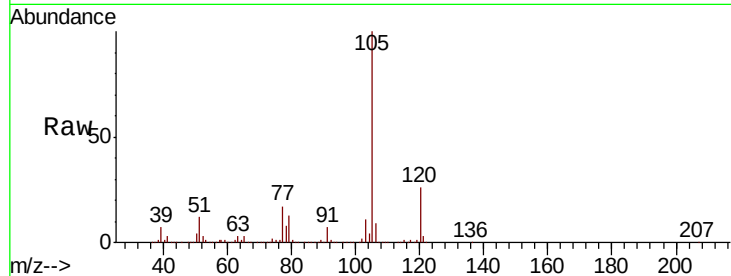




#73
Isopropylbenzene
Concen: 59.420 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

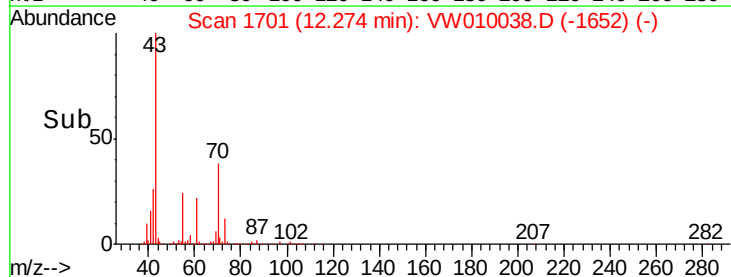
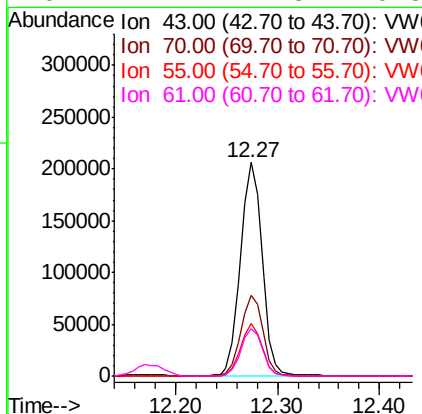
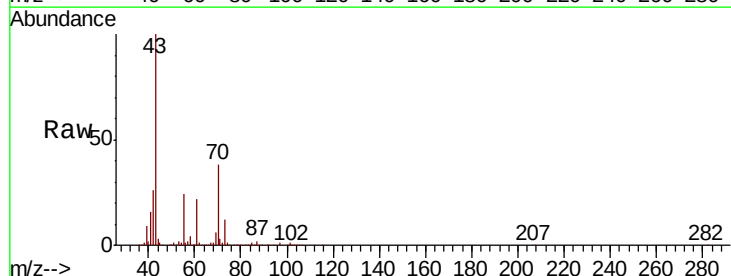
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

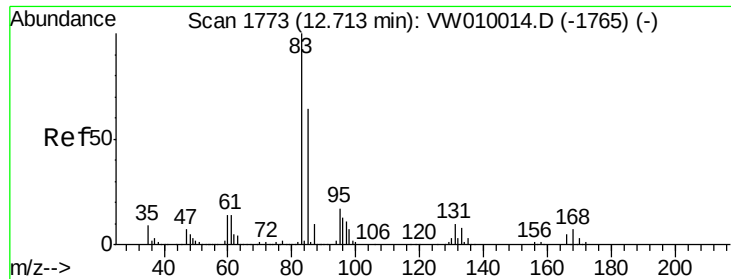
Tgt Ion: 105 Resp: 1192828
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1



#74
N-ethyl acetate
Concen: 54.511 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion: 43 Resp: 303039
Ion Ratio Lower Upper
43 100
70 38.4 31.3 46.9
55 24.3 20.0 30.0
61 22.2 17.8 26.8

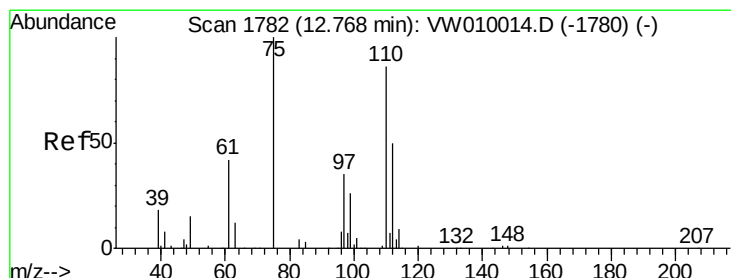
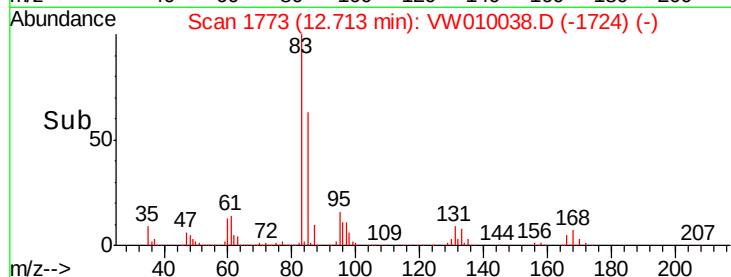
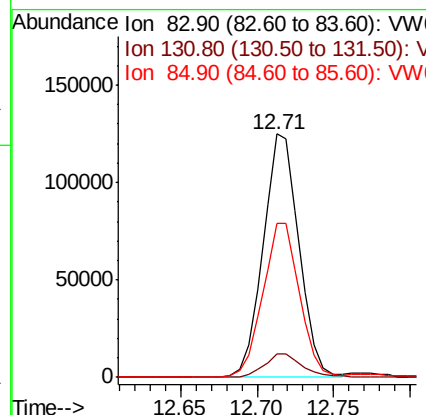
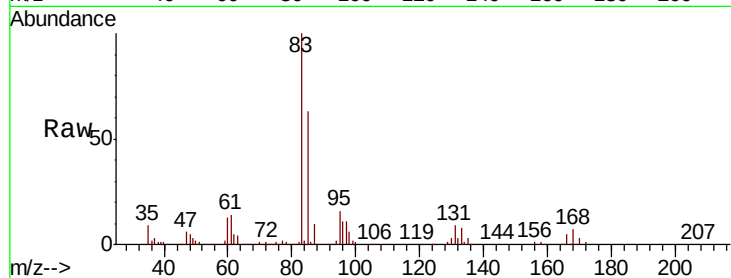




#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.397 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

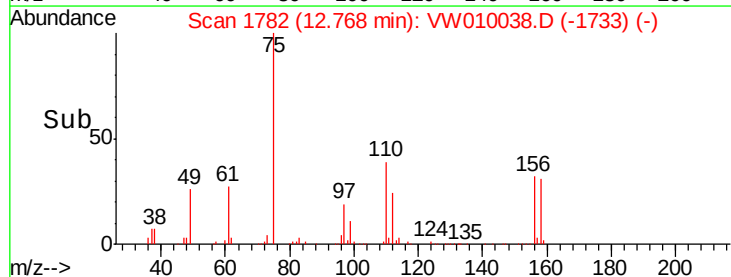
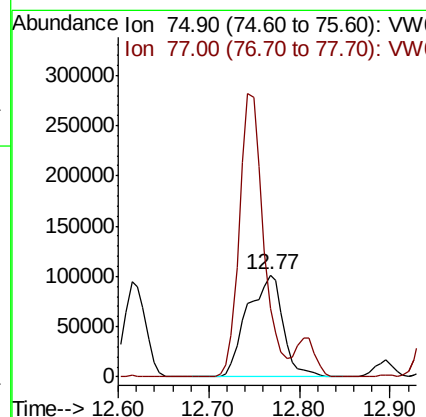
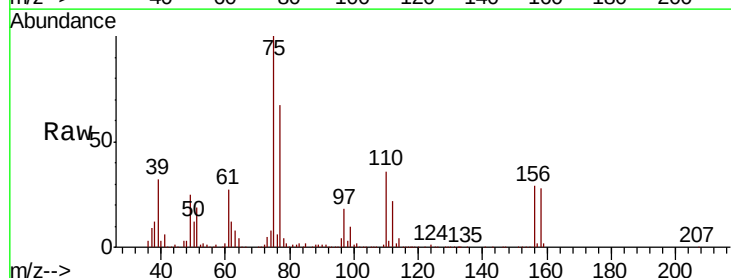
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

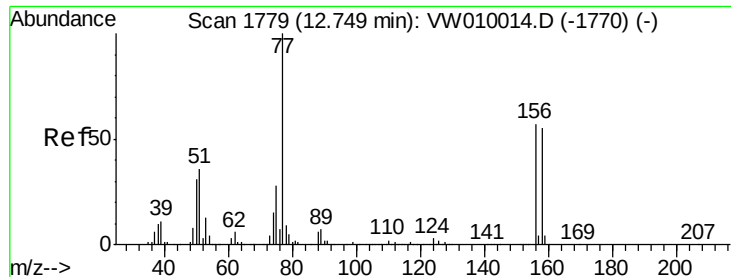
Tgt Ion: 83 Resp: 203843
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.3 15.8
 85 65.0 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 95.957 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion: 75 Resp: 277010
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 56.456 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

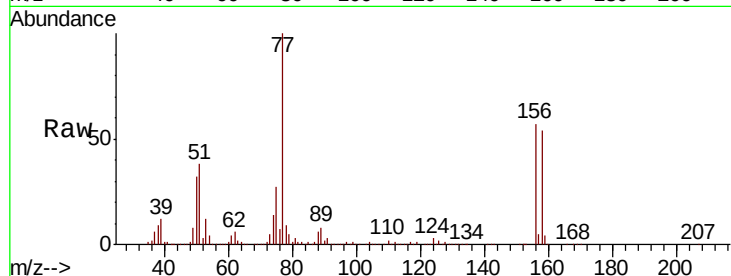
Tgt Ion:156 Resp: 260649

Ion Ratio Lower Upper

156 100

77 200.4 102.5 307.4

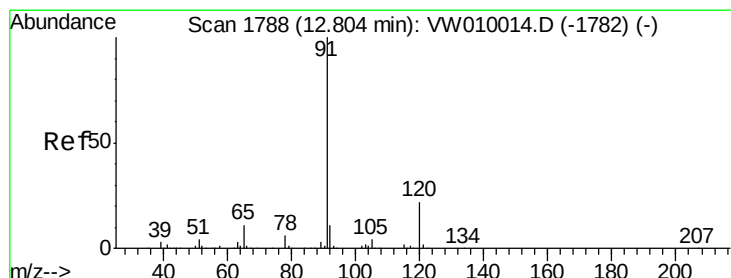
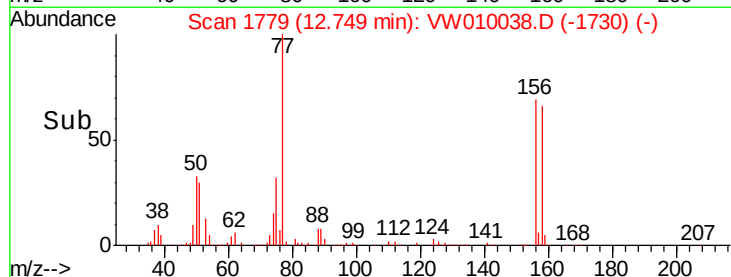
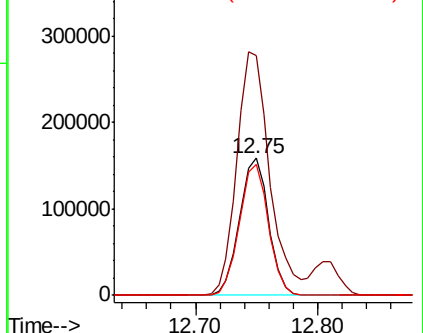
158 95.4 48.8 146.4



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: 59.374 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010038.D

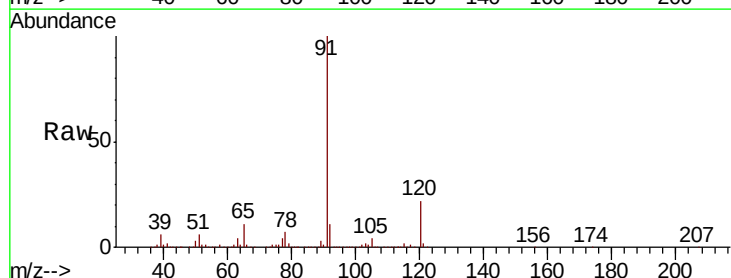
Acq: 18 Apr 2019 11:39

Tgt Ion: 91 Resp: 1477218

Ion Ratio Lower Upper

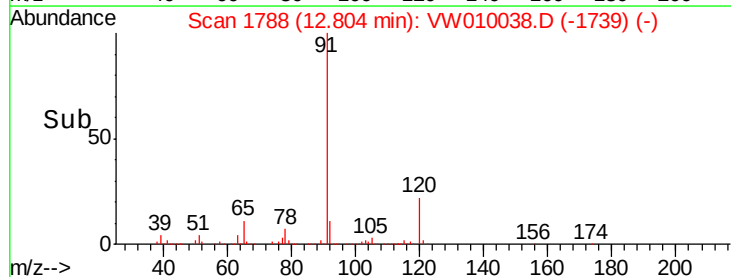
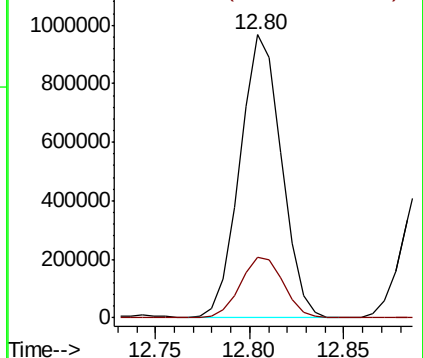
91 100

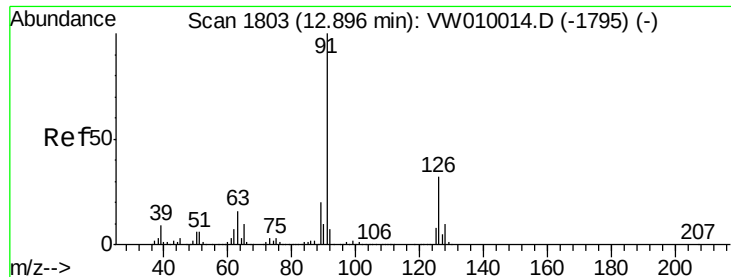
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.462 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

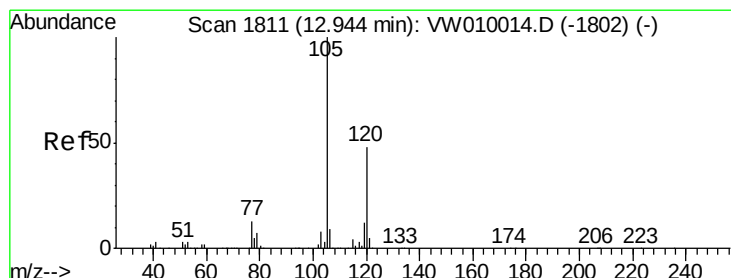
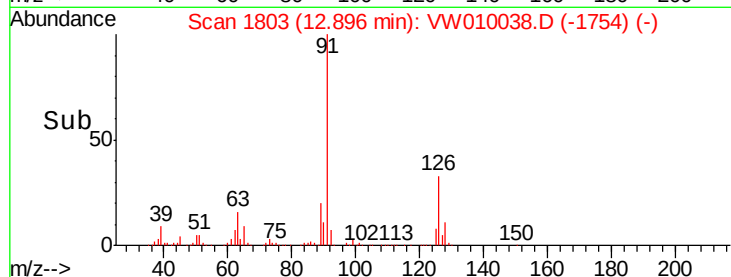
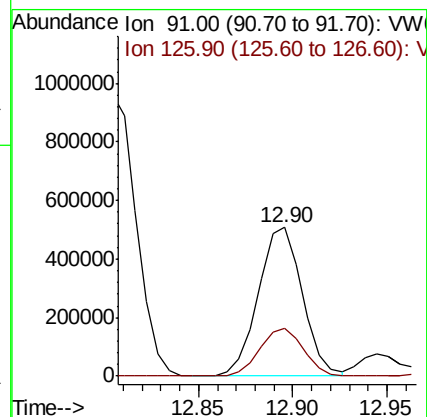
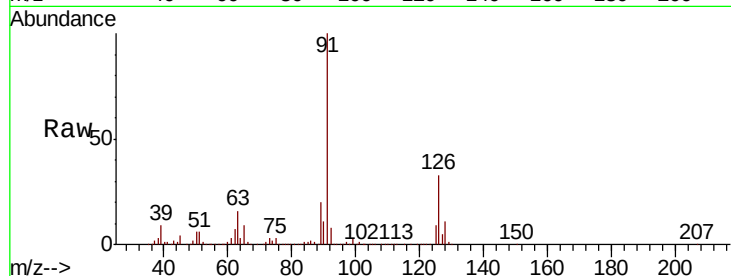
VSTDCCC050

Tgt Ion: 91 Resp: 822228

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 59.564 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010038.D

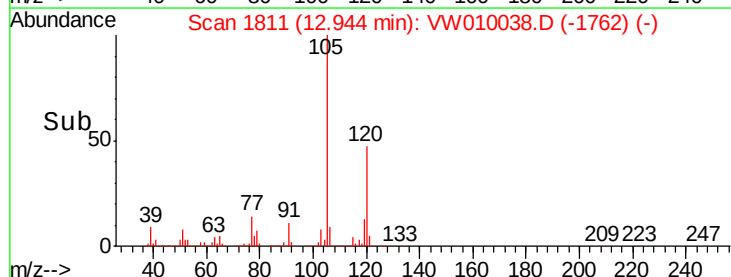
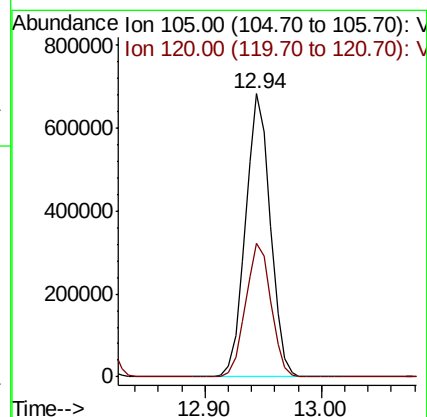
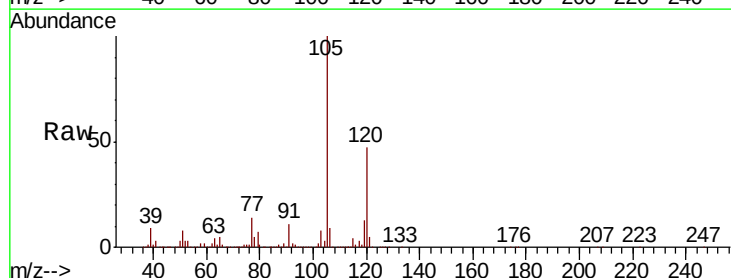
Acq: 18 Apr 2019 11:39

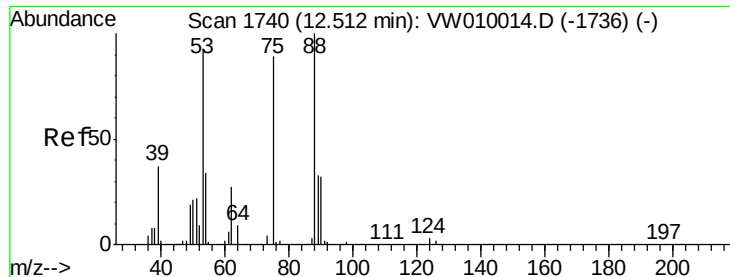
Tgt Ion: 105 Resp: 1013822

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.835 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

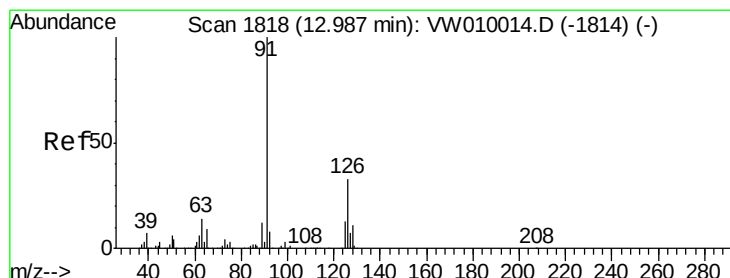
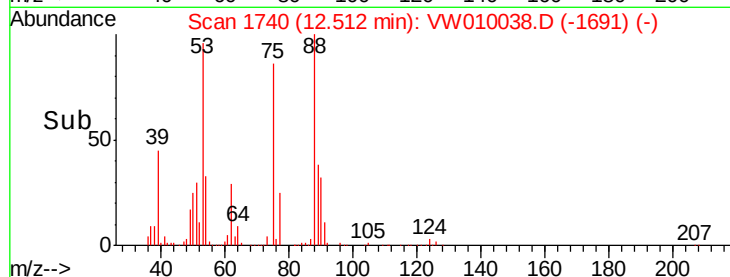
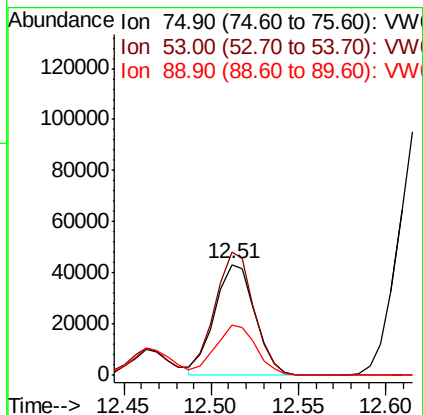
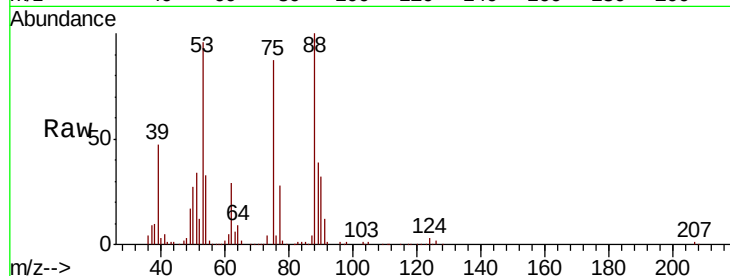
Tgt Ion: 75 Resp: 69582

Ion Ratio Lower Upper

75 100

53 109.6 89.8 134.8

89 45.6 36.6 54.8



#82

4-Chlorotoluene

Concen: 56.828 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW010038.D

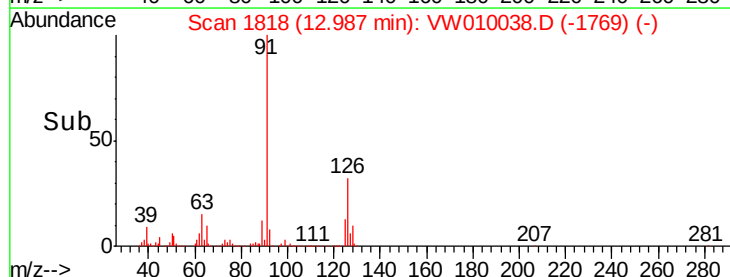
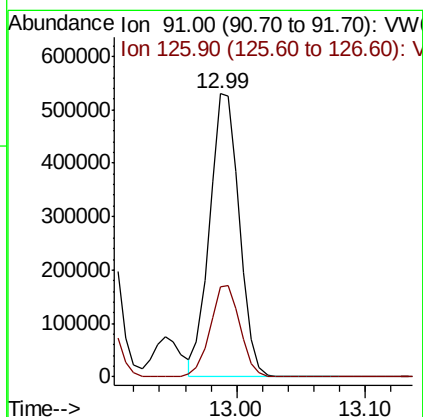
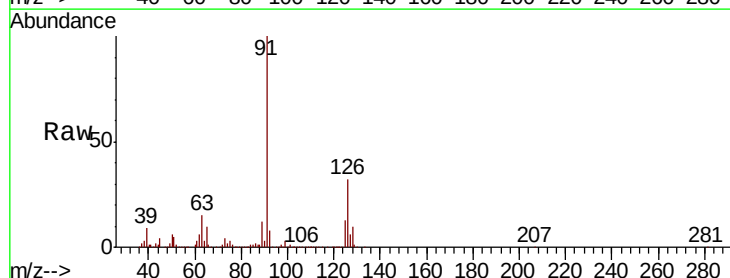
Acq: 18 Apr 2019 11:39

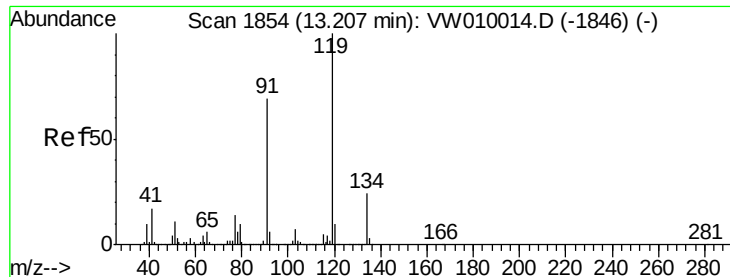
Tgt Ion: 91 Resp: 855809

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1





#83

tert-Butylbenzene

Concen: 59.546 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

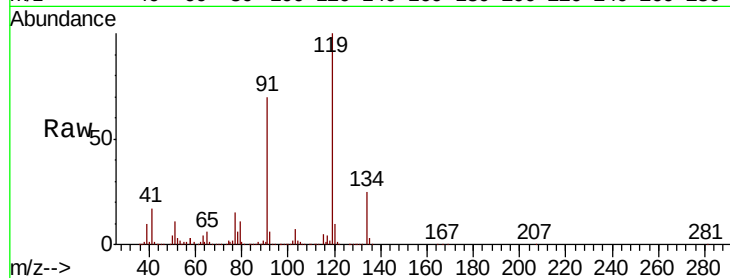
Tgt Ion:119 Resp: 839308

Ion Ratio Lower Upper

119 100

91 70.4 34.8 104.4

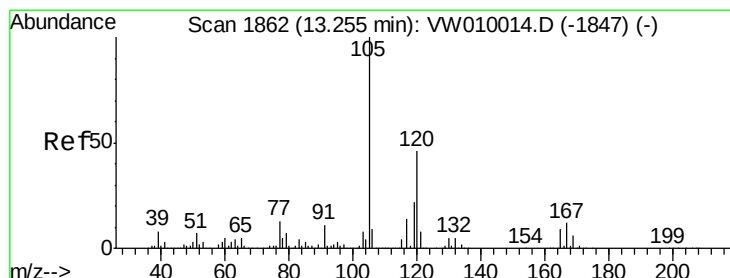
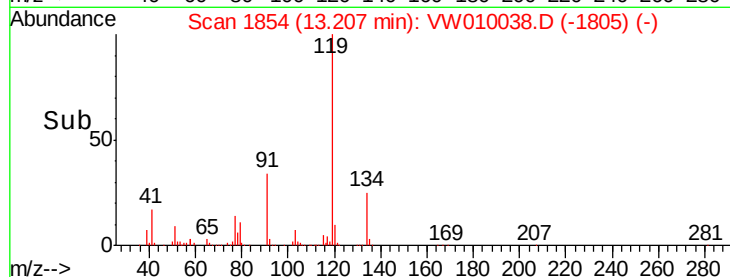
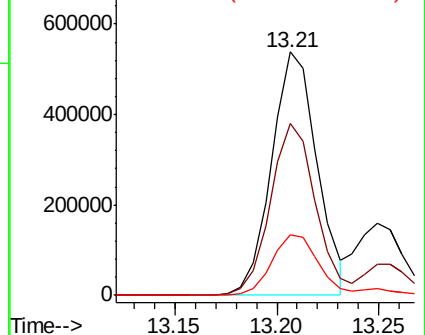
134 25.5 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 58.815 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010038.D

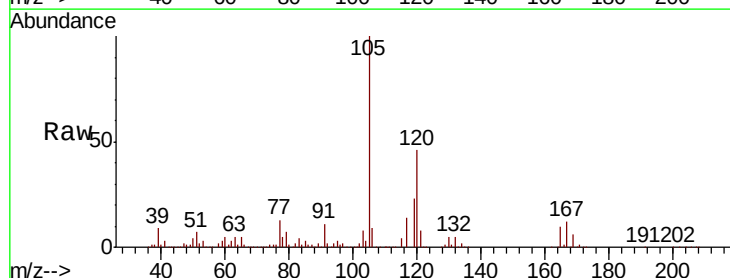
Acq: 18 Apr 2019 11:39

Tgt Ion:105 Resp: 1014967

Ion Ratio Lower Upper

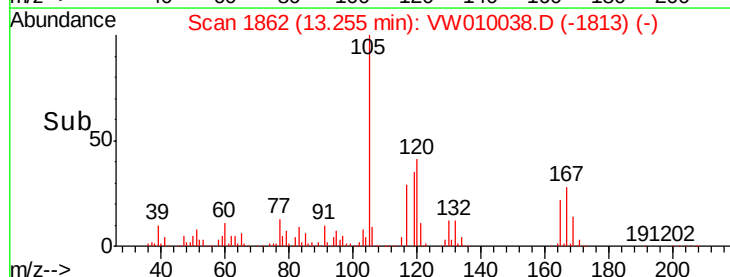
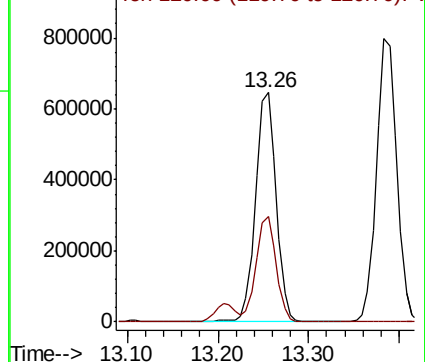
105 100

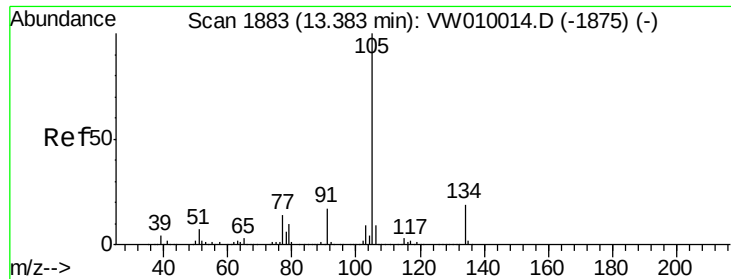
120 44.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

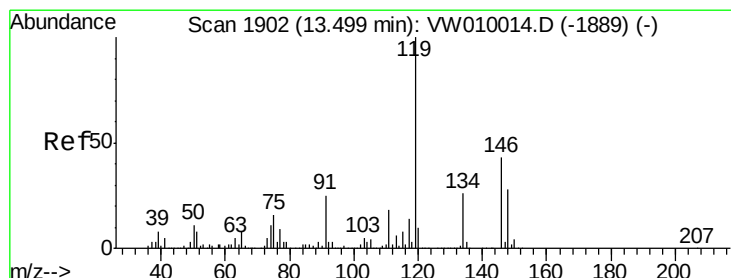
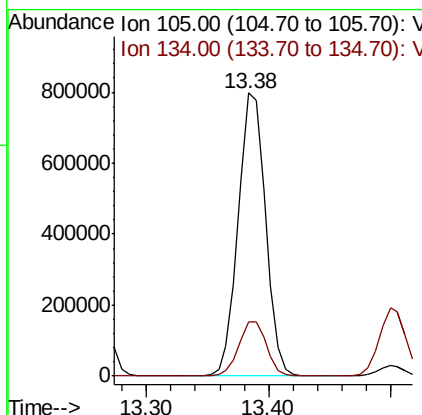
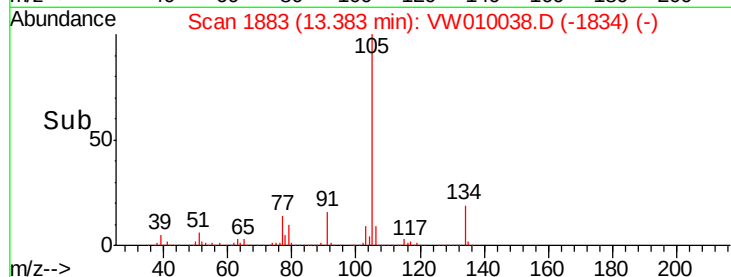
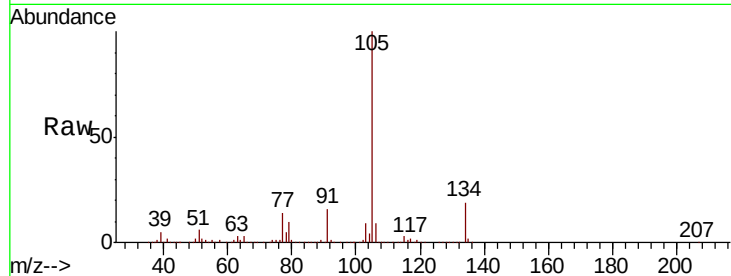




#85
 sec-Butylbenzene
 Concen: 58.592 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

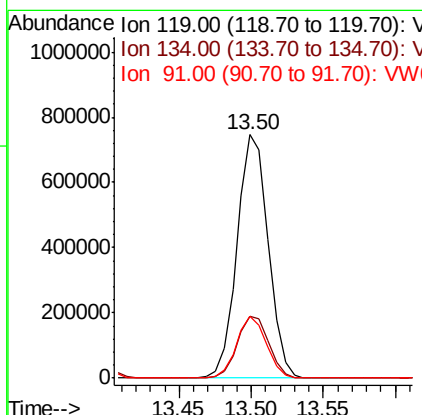
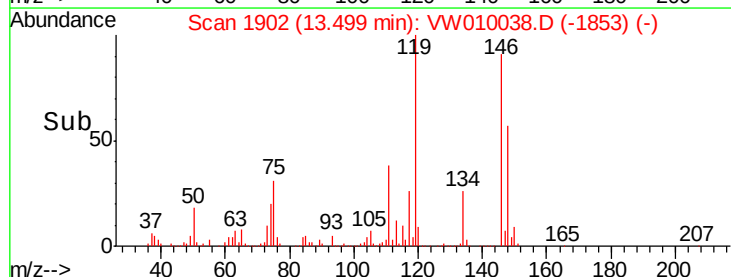
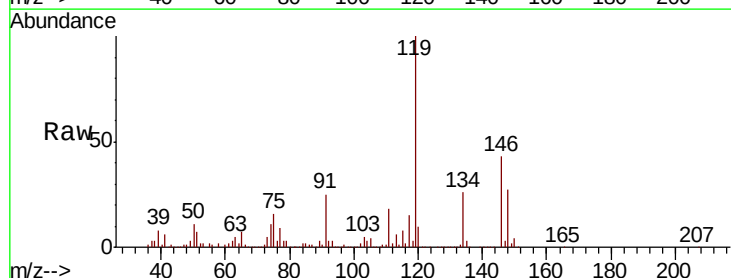
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

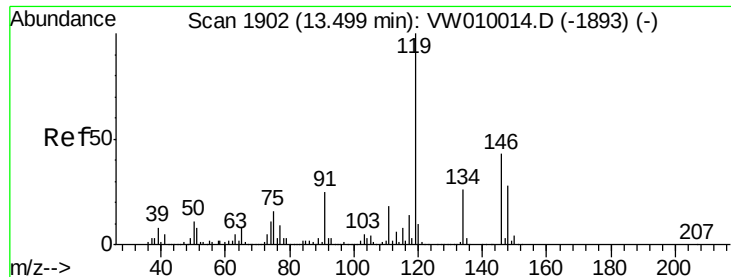
Tgt Ion:105 Resp: 1234155
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 60.240 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion:119 Resp: 1118398
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.4 12.3 36.9

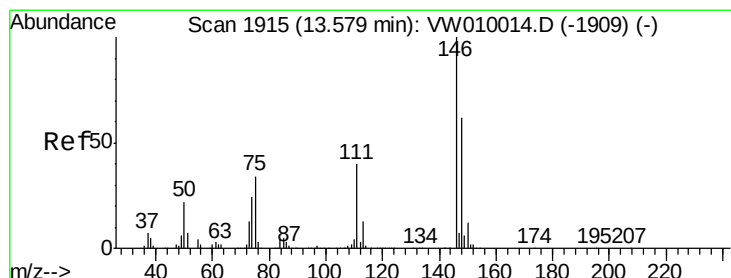
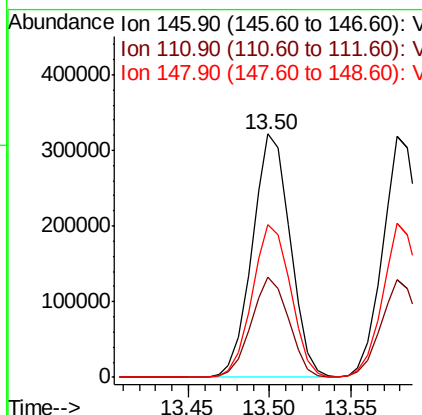
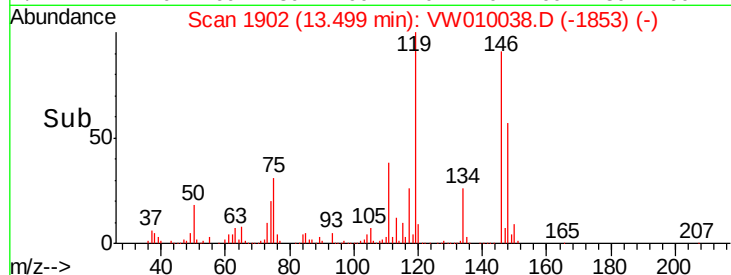
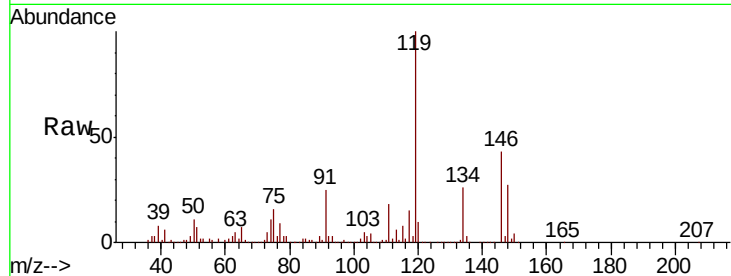




#87
 1,3-Dichlorobenzene
 Concen: 55.694 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

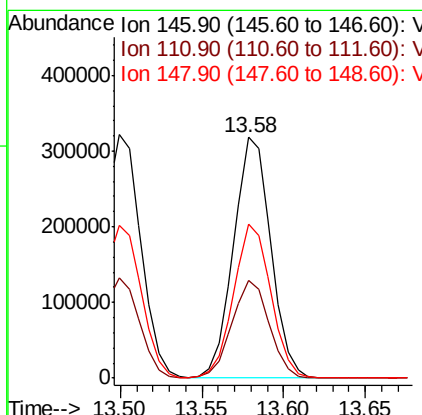
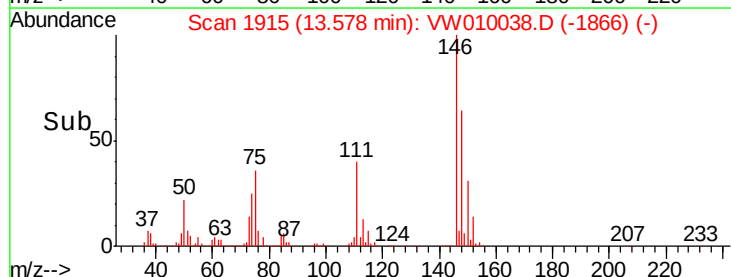
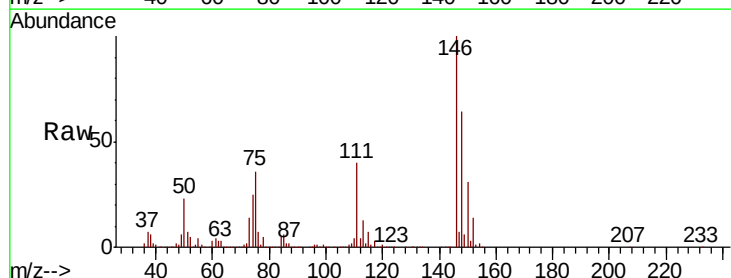
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

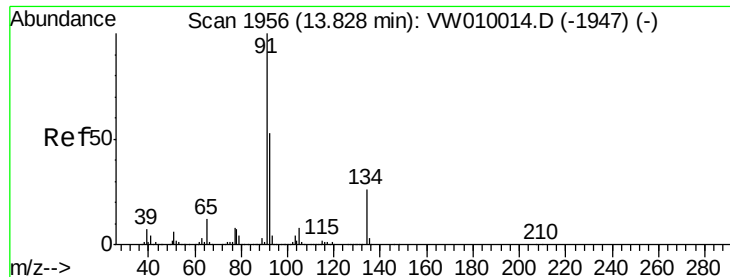
Tgt Ion:146 Resp: 519783
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 61.0
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 54.409 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion:146 Resp: 506847
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.1 60.3
 148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 60.702 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

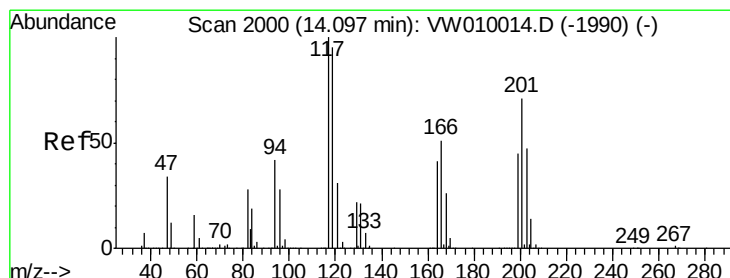
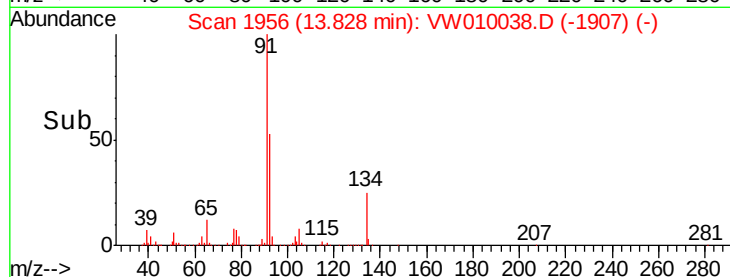
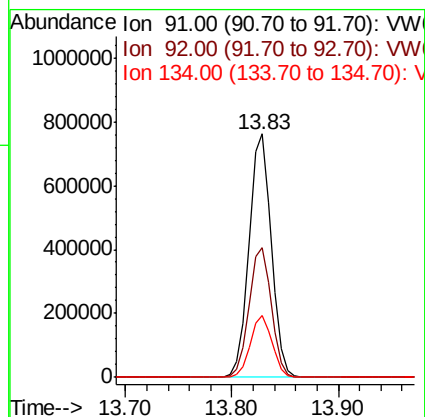
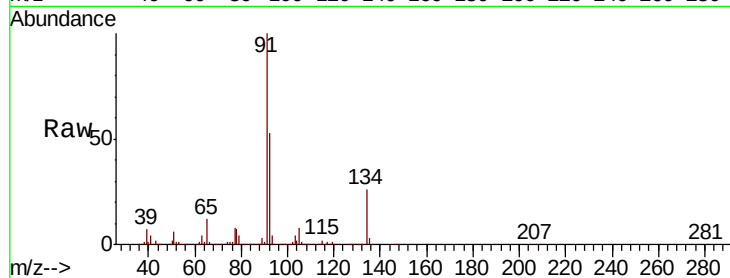
Tgt Ion: 91 Resp: 1116518

Ion Ratio Lower Upper

91 100

92 53.8 26.5 79.4

134 25.0 12.4 37.0



#90

Hexachloroethane

Concen: 56.553 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010038.D

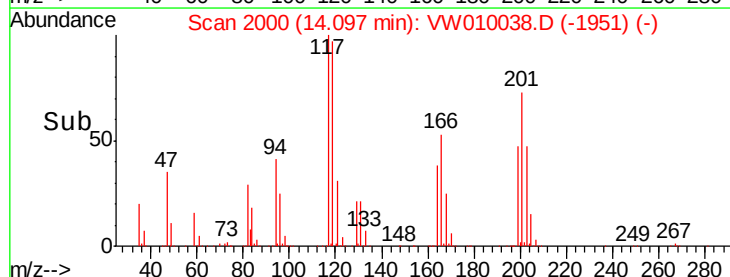
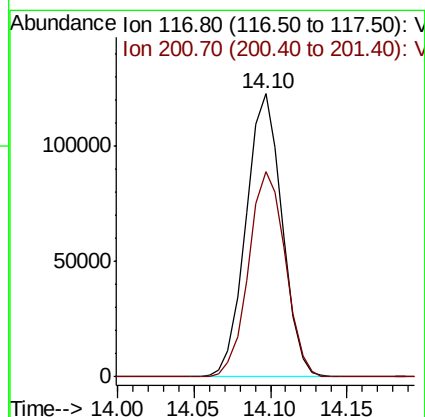
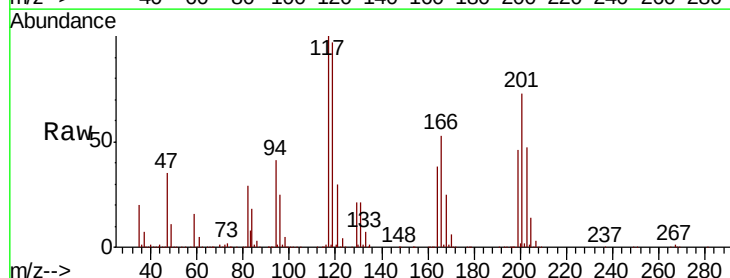
Acq: 18 Apr 2019 11:39

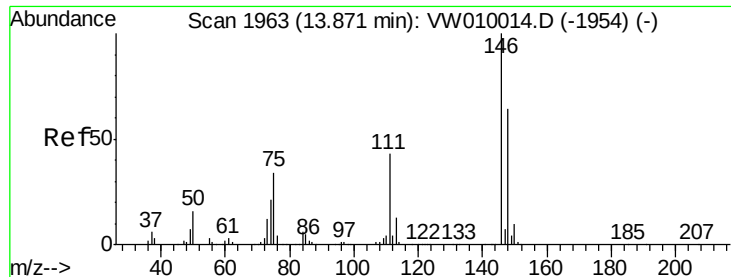
Tgt Ion: 117 Resp: 201096

Ion Ratio Lower Upper

117 100

201 74.1 36.1 108.3

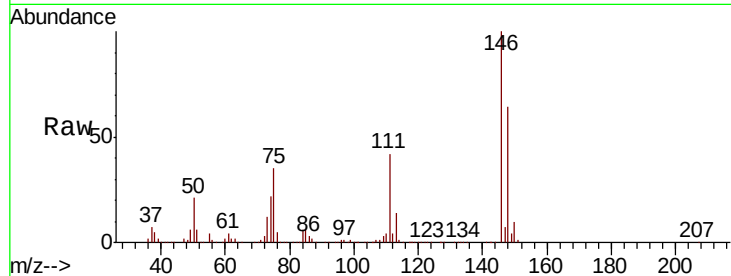




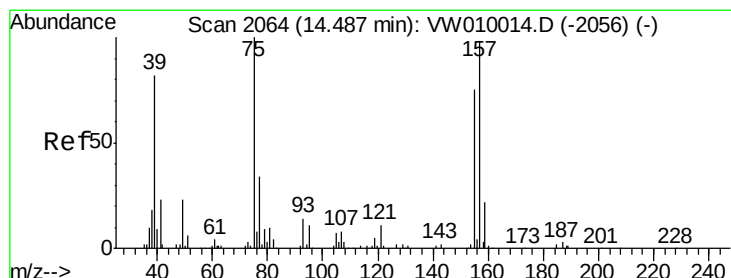
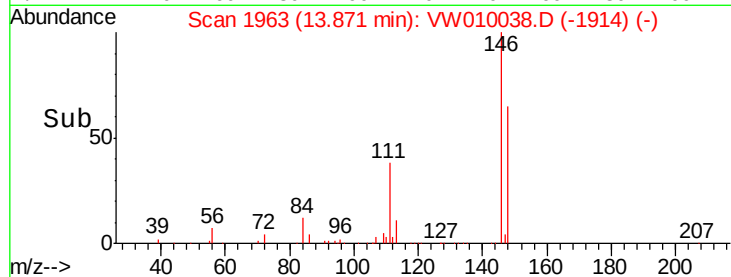
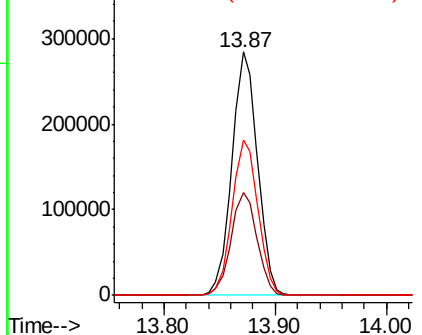
#91
 1,2-Dichlorobenzene
 Concen: 54.023 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	64.6	31.9	95.7

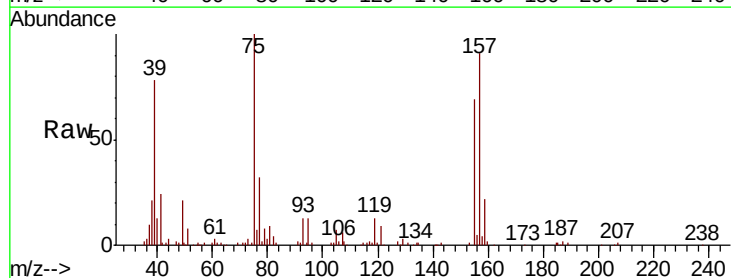


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

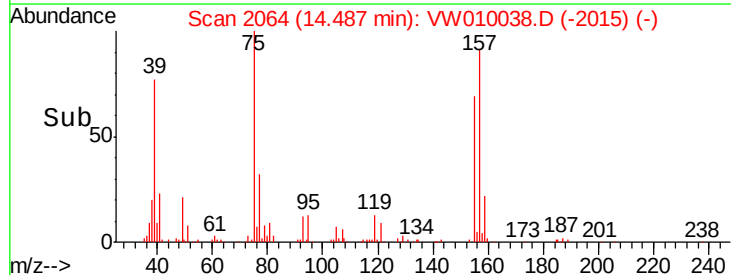
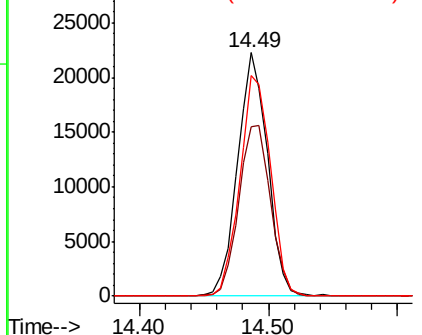


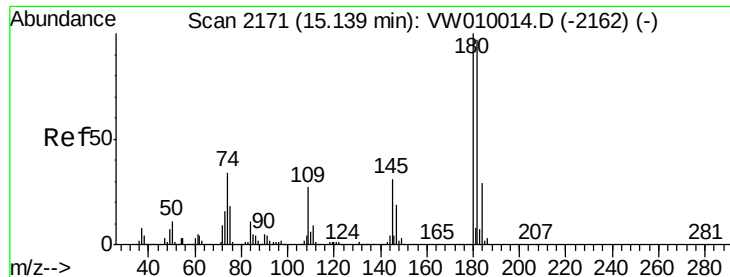
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.355 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.1	111.5
157	92.6	47.3	141.9



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

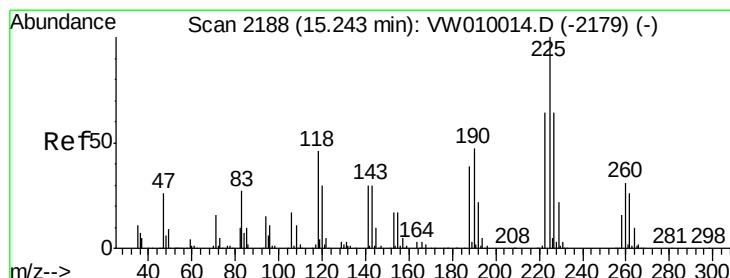
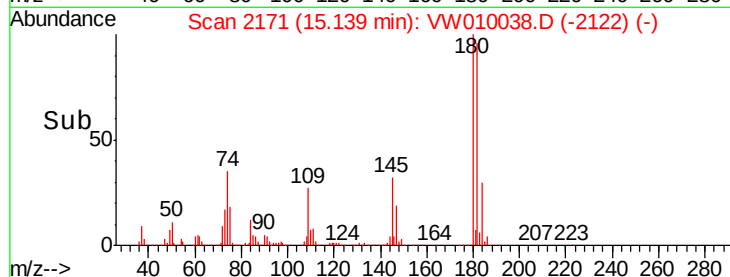
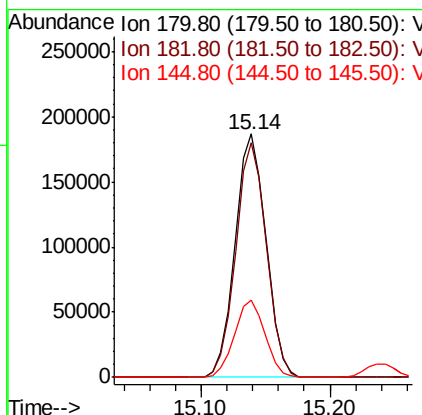
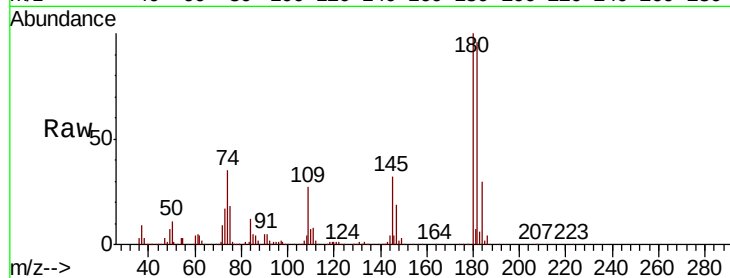




#93
 1,2,4-Trichlorobenzene
 Concen: 56.068 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

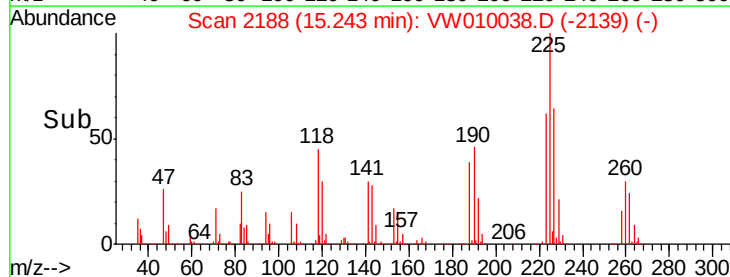
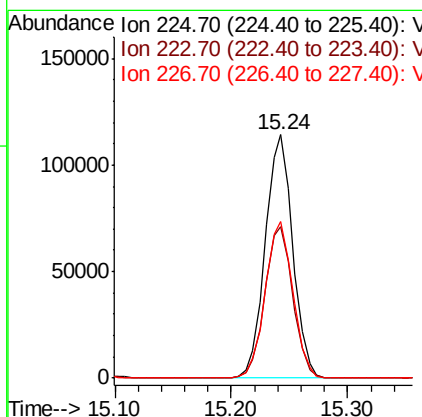
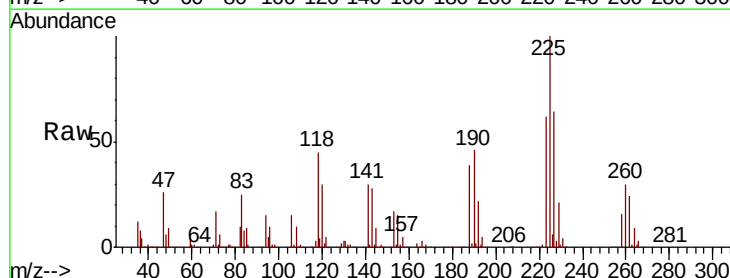
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

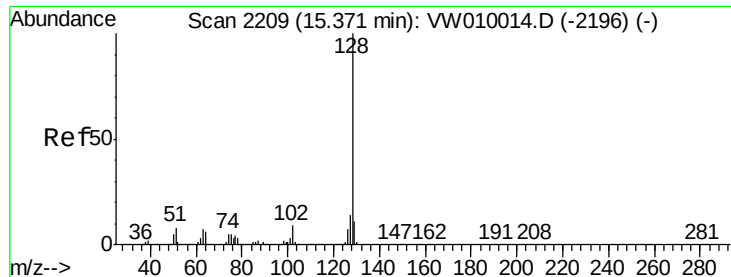
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.4
145	31.6	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 55.896 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010038.D
 Acq: 18 Apr 2019 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	64.9	31.8	95.3

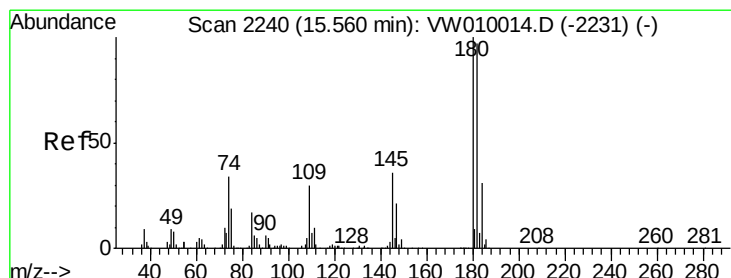
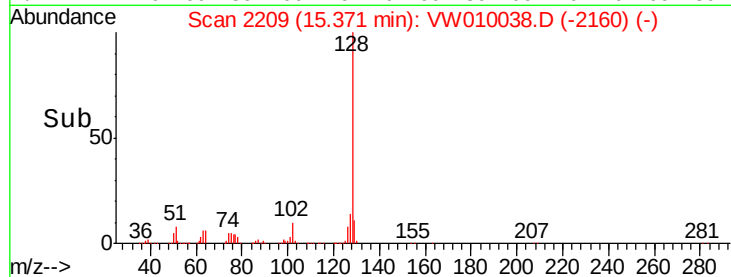
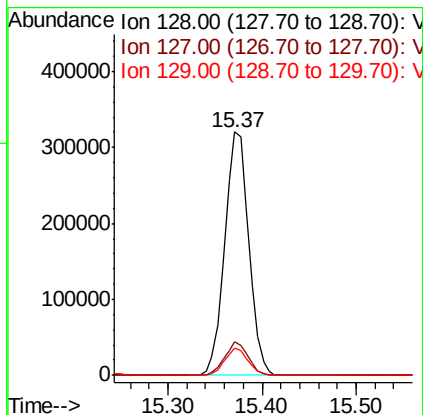
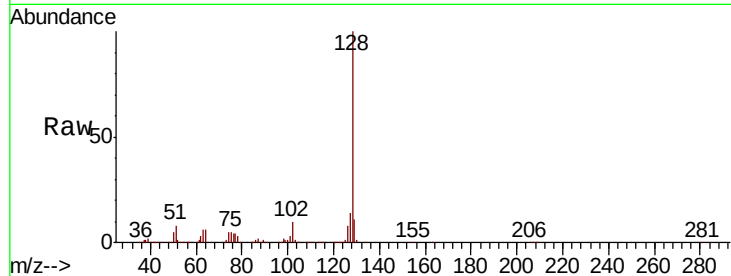




#95
Naphthalene
Concen: 51.715 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 567865
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.223 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010038.D
Acq: 18 Apr 2019 11:39

Tgt Ion:180 Resp: 269286
Ion Ratio Lower Upper
180 100
182 95.2 47.8 143.3
145 32.6 16.4 49.2

