

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010374.D
 Acq On : 10 May 2019 23:43
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 11 00:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1190672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2001364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	958760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	775765	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	7.88	113	649161	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
50) Toluene-d8	10.32	98	2582879	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	953033	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	392789	43.062	ug/l	98
3) Chloromethane	2.21	50	557088	45.707	ug/l	97
4) Vinyl Chloride	2.37	62	677316	44.715	ug/l	99
5) Bromomethane	2.77	94	408950	46.818	ug/l	99
6) Chloroethane	2.92	64	415081	47.384	ug/l	95
7) Trichlorofluoromethane	3.25	101	267826	35.320	ug/l	97
8) Diethyl Ether	3.67	74	360313	54.051	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	574588	46.244	ug/l	96
10) Methyl Iodide	4.27	142	847015	48.138	ug/l	96
11) Tert butyl alcohol	5.17	59	235615	263.565	ug/l	100
12) 1,1-Dichloroethene	4.04	96	596671	45.956	ug/l	92
13) Acrolein	3.89	56	307170	260.257	ug/l	95
14) Allyl chloride	4.66	41	850679	43.893	ug/l	91
15) Acrylonitrile	5.37	53	927469	251.016	ug/l	98
16) Acetone	4.12	43	768773	232.964	ug/l	97
17) Carbon Disulfide	4.38	76	1708727	43.515	ug/l	100
18) Methyl Acetate	4.67	43	439504	53.770	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	864007	55.901	ug/l	98
20) Methylene Chloride	4.92	84	698246	50.730	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	677845	48.502	ug/l	97
22) Diisopropyl ether	6.31	45	2184832	58.087	ug/l	93
23) Vinyl Acetate	6.25	43	7306228	282.889	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1321624	52.189	ug/l	99
25) 2-Butanone	7.17	43	1362086	269.811	ug/l	96
26) 2,2-Dichloropropane	7.17	77	520072	41.277	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	766477	53.329	ug/l	95
28) Bromochloromethane	7.51	49	525384	56.273	ug/l	97
29) Tetrahydrofuran	7.53	42	915711	280.440	ug/l	96
30) Chloroform	7.67	83	1283543	54.159	ug/l	97
31) Cyclohexane	7.95	56	1149477	44.332	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	875869	47.712	ug/l	99
36) 1,1-Dichloropropene	8.08	75	986700	45.470	ug/l	100
37) Ethyl Acetate	7.25	43	612316	52.996	ug/l	98
38) Carbon Tetrachloride	8.06	117	836522	44.970	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1186733	44.705	ug/l	97
40) Benzene	8.32	78	2933122	49.355	ug/l	100
41) Methacrylonitrile	7.48	41	349250	53.900	ug/l	96
42) 1,2-Dichloroethane	8.40	62	915310	53.807	ug/l	97
43) Isopropyl Acetate	8.43	43	1034457	53.985	ug/l	98
44) Trichloroethene	9.09	130	702241	47.200	ug/l	98
45) 1,2-Dichloropropane	9.37	63	784425	53.101	ug/l	99
46) Dibromomethane	9.46	93	404007	52.939	ug/l	99
47) Bromodichloromethane	9.64	83	974703	53.244	ug/l	99
48) Methyl methacrylate	9.44	41	510178	56.309	ug/l	90
49) 1,4-Dioxane	9.45	88	153727	1155.082	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3071370	279.530	ug/l	94
52) Toluene	10.38	92	1816608	50.011	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	978877	52.790	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1146958	52.229	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	586769	54.133	ug/l	97
56) Ethyl methacrylate	10.65	69	844068	58.969	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1064874	54.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1968264	287.203	ug/l	99
59) 2-Hexanone	10.97	43	2158681	277.871	ug/l	93
60) Dibromochloromethane	11.13	129	638759	54.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	557291	53.558	ug/l	97
64) Tetrachloroethene	10.86	164	674015	50.707	ug/l	98
65) Chlorobenzene	11.66	112	1876288	47.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	663905	49.895	ug/l	98
67) Ethyl Benzene	11.73	91	3474158	47.971	ug/l	99
68) m/p-Xylenes	11.84	106	2580020	95.882	ug/l	100
69) o-Xylene	12.16	106	1212633	49.818	ug/l	98
70) Styrene	12.18	104	2181695	51.439	ug/l	99
71) Bromoform	12.35	173	383906	50.472	ug/l #	98
73) Isopropylbenzene	12.46	105	3304690	47.288	ug/l	100
74) N-amyl acetate	12.27	43	982456	54.416	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	755333	49.054	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	948300	84.834	ug/l #	100
77) Bromobenzene	12.75	156	772555	48.960	ug/l	97
78) n-propylbenzene	12.80	91	4049823	46.920	ug/l	100
79) 2-Chlorotoluene	12.90	91	2339685	47.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2857185	48.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	225767	45.611	ug/l	94
82) 4-Chlorotoluene	12.99	91	2456054	47.689	ug/l	99
83) tert-Butylbenzene	13.21	119	2318782	47.186	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	2886271	49.300	ug/l	100
85) sec-Butylbenzene	13.38	105	3366477	46.406	ug/l	100
86) p-Isopropyltoluene	13.50	119	3062273	47.543	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1509826	47.917	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1491997	47.715	ug/l	99
89) n-Butylbenzene	13.83	91	2995917	46.388	ug/l	98
90) Hexachloroethane	14.10	117	545883	45.694	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1361067	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	130666	47.124	ug/l	95

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Quant Title : SW846 8260
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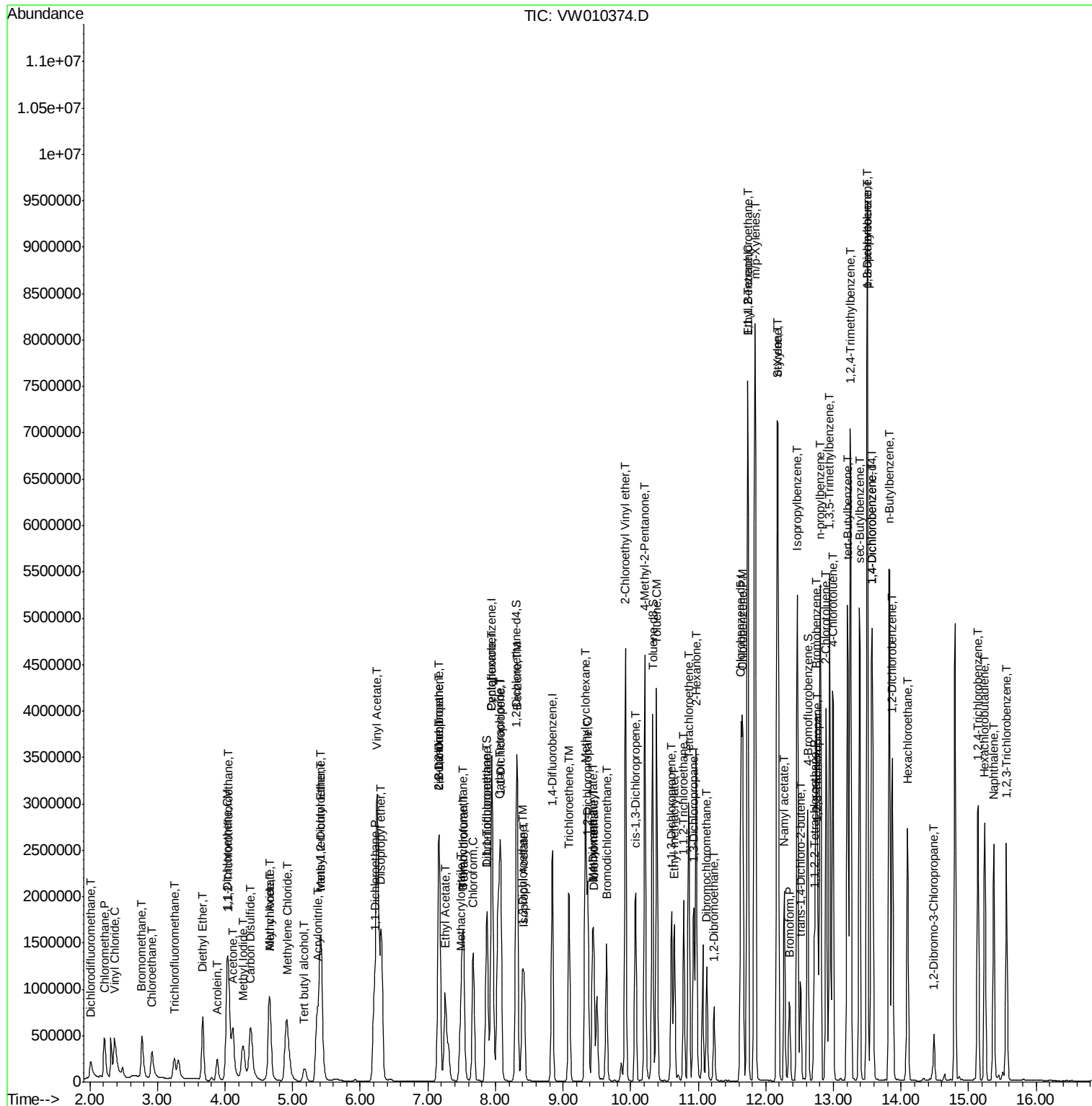
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	938382	49.295	ug/l	99
94) Hexachlorobutadiene	15.24	225	550042	45.072	ug/l	99
95) Naphthalene	15.37	128	2070019	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	875369	50.902	ug/l	99

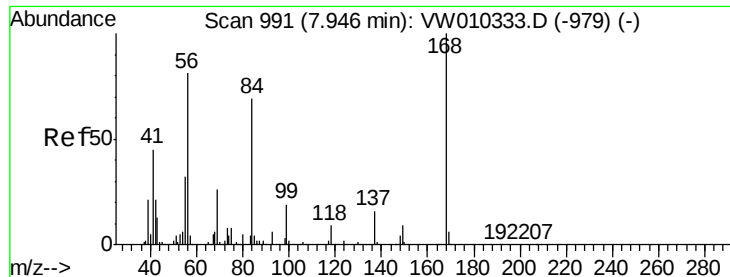
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

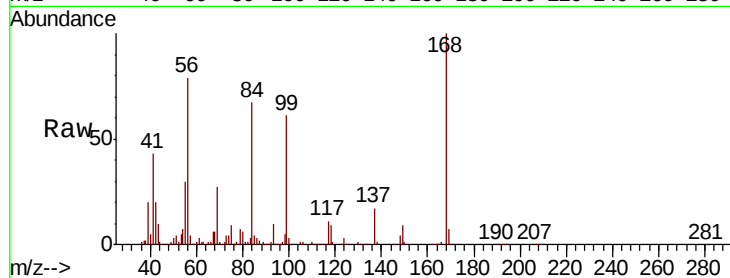
VSTDCCC050EC

Tgt Ion:168 Resp: 1190672

Ion Ratio Lower Upper

168 100

99 61.0 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

600000

500000

400000

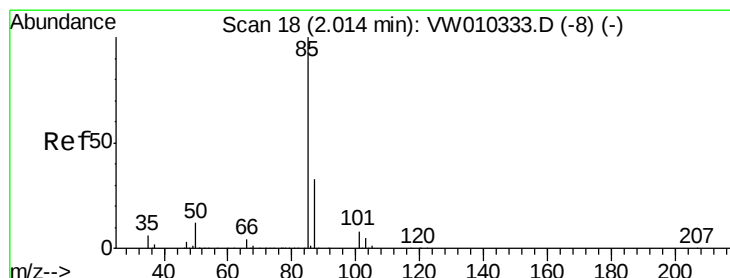
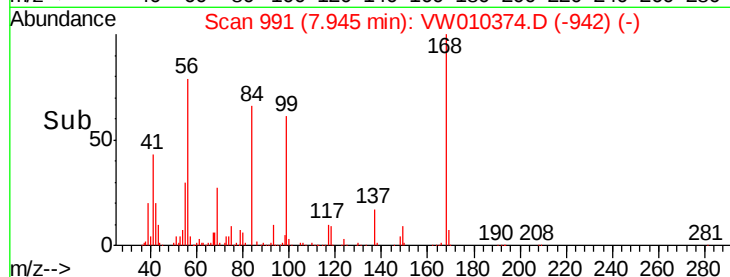
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 43.062 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010374.D

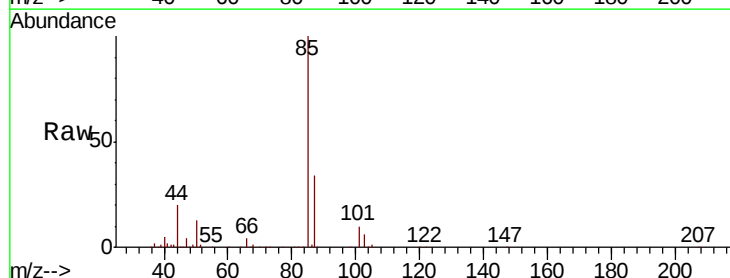
Acq: 10 May 2019 23:43

Tgt Ion: 85 Resp: 392789

Ion Ratio Lower Upper

85 100

87 33.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

120000

100000

80000

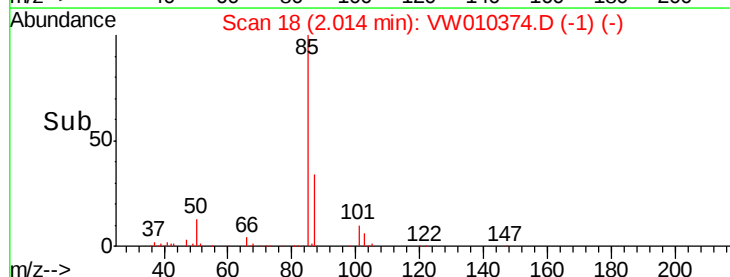
60000

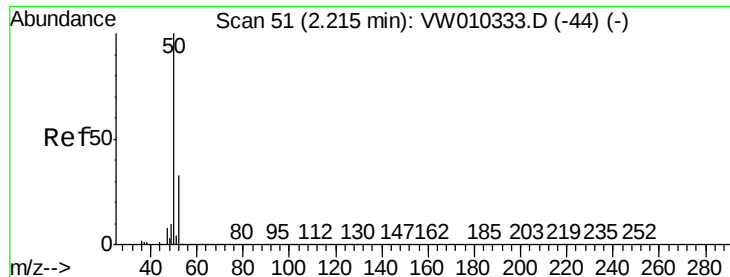
40000

20000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 45.707 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

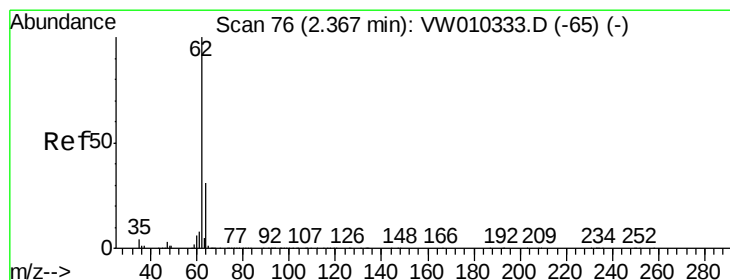
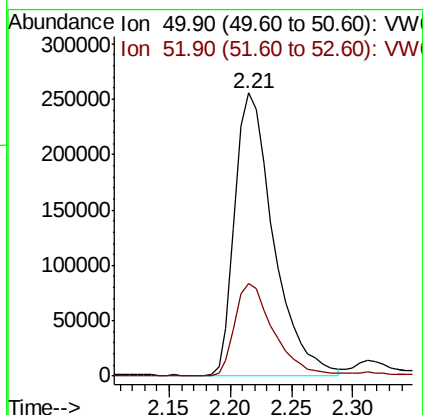
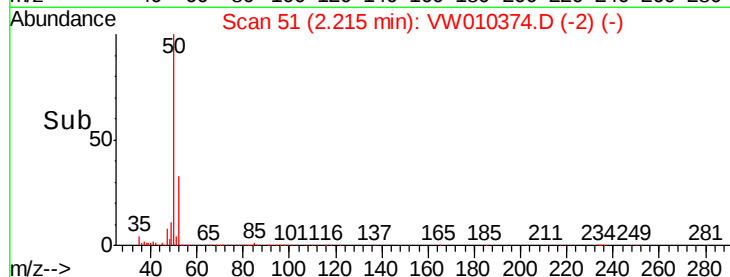
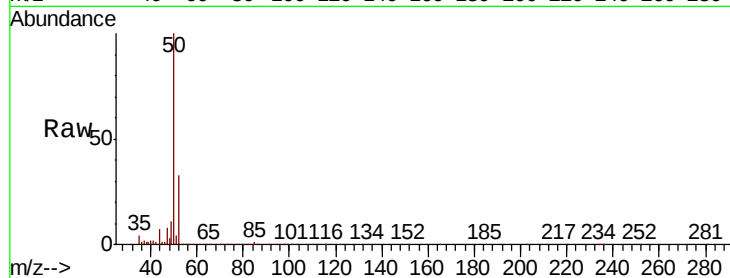
VSTDCCC050EC

Tgt Ion: 50 Resp: 557088

Ion Ratio Lower Upper

50 100

52 32.9 25.0 37.6



#4

Vinyl Chloride

Concen: 44.715 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010374.D

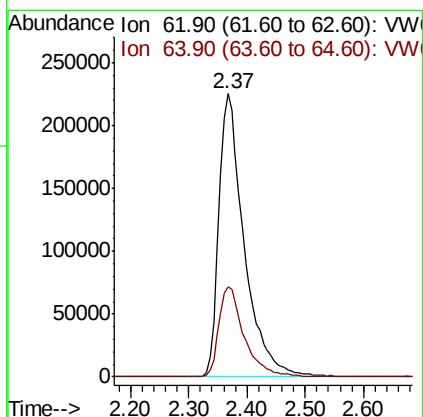
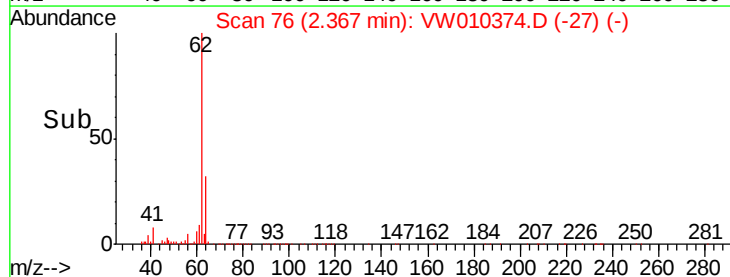
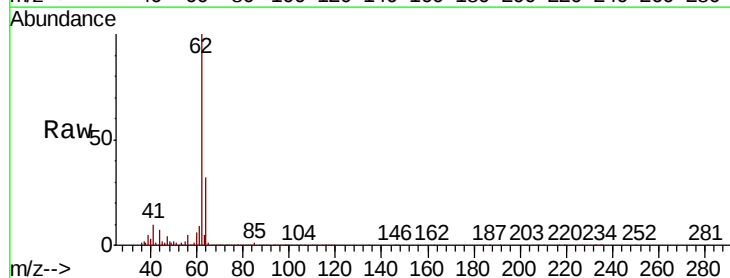
Acq: 10 May 2019 23:43

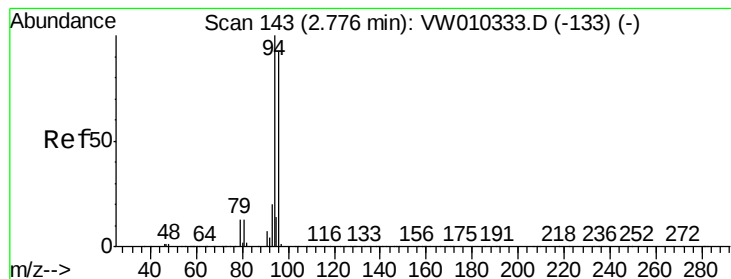
Tgt Ion: 62 Resp: 677316

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 46.818 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

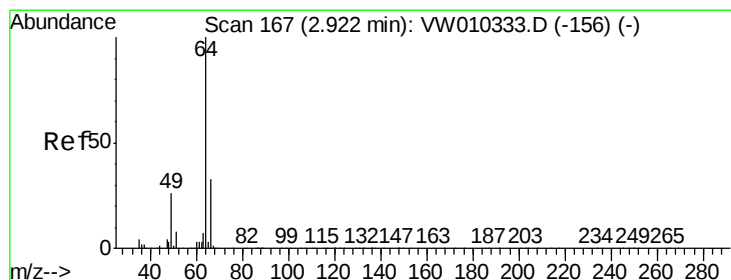
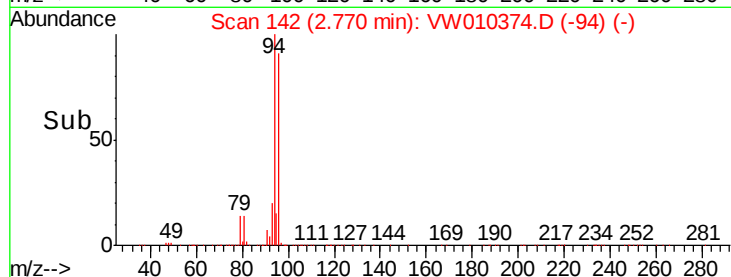
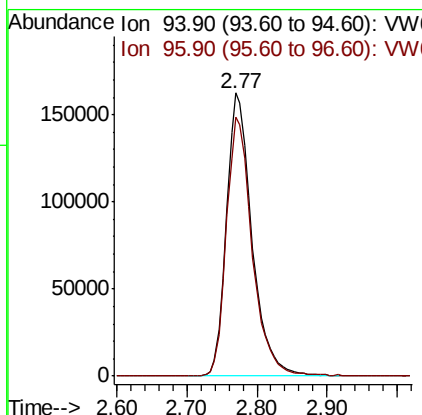
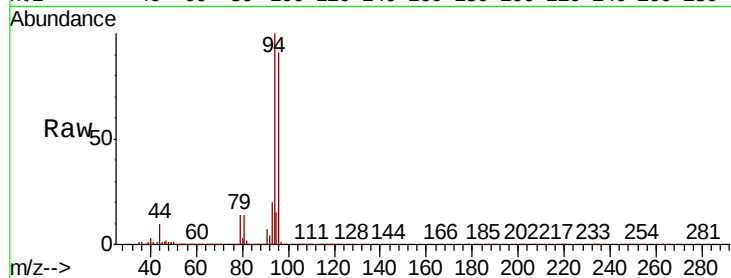
VSTDCCC050EC

Tgt Ion: 94 Resp: 408950

Ion Ratio Lower Upper

94 100

96 91.3 74.2 111.2



#6

Chloroethane

Concen: 47.384 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010374.D

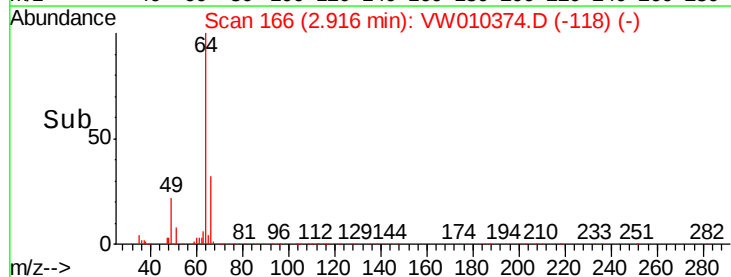
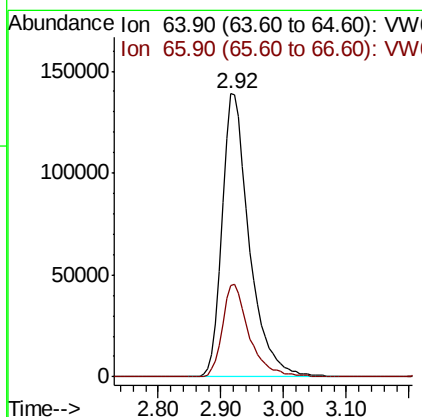
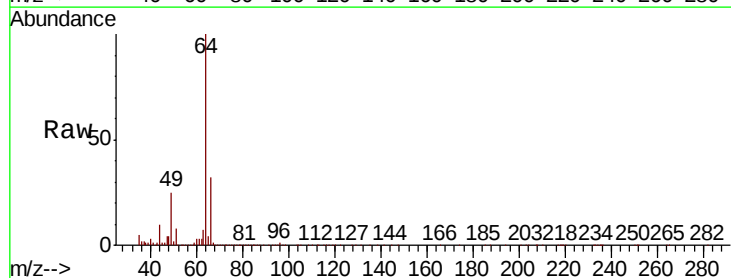
Acq: 10 May 2019 23:43

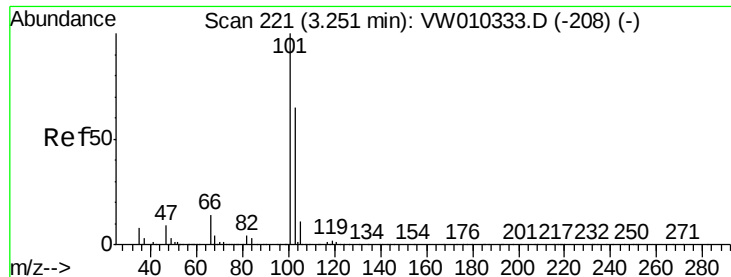
Tgt Ion: 64 Resp: 415081

Ion Ratio Lower Upper

64 100

66 32.0 23.4 35.0



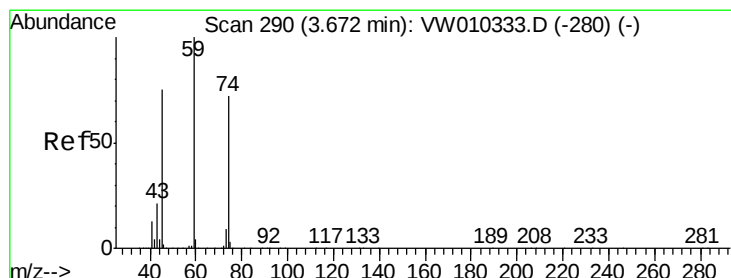
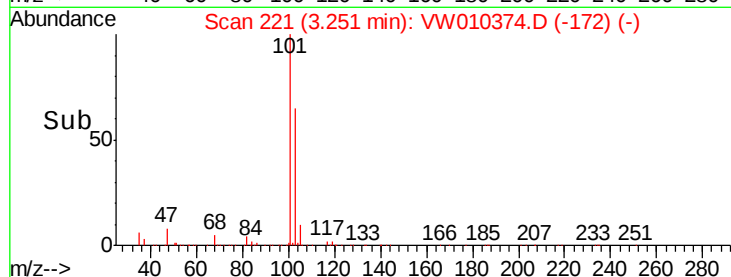
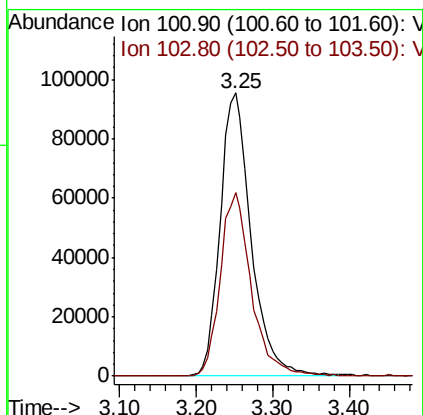
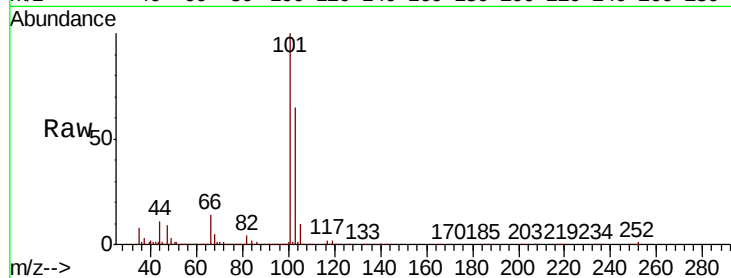


#7

Trichlorofluoromethane
Concen: 35.320 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010374.D
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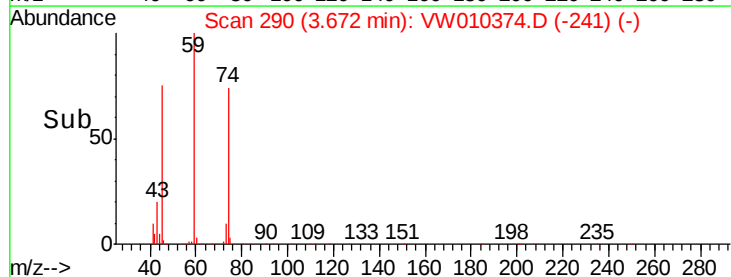
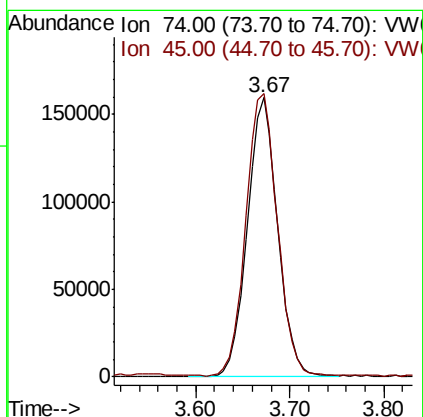
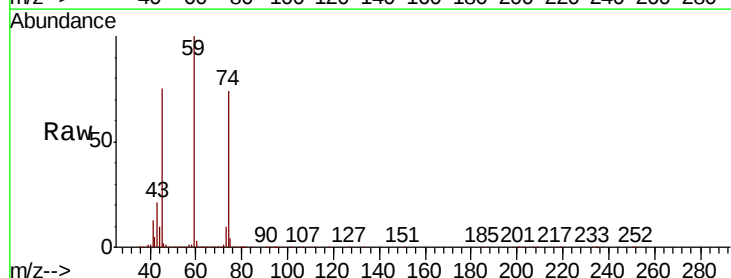
Tgt Ion: 101 Resp: 267826
Ion Ratio Lower Upper
101 100
103 64.8 49.8 74.6

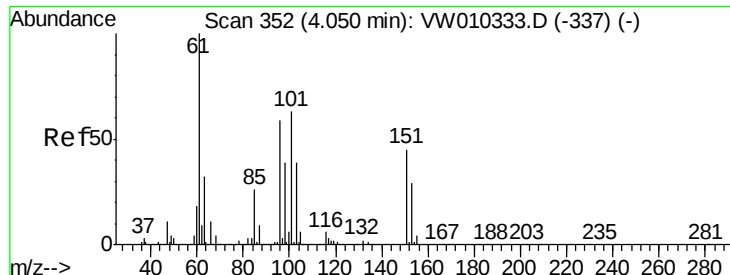


#8

Diethyl Ether
Concen: 54.051 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 74 Resp: 360313
Ion Ratio Lower Upper
74 100
45 105.0 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.244 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

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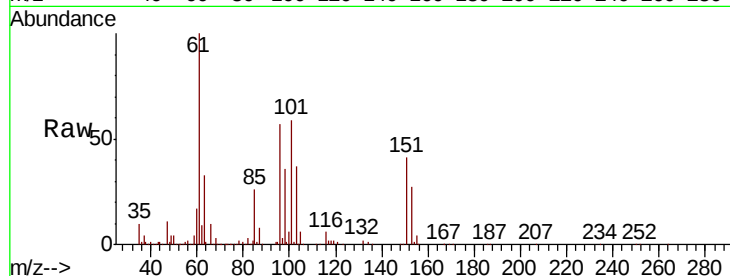
Tgt Ion:101 Resp: 574588

Ion Ratio Lower Upper

101 100

85 43.2 36.3 54.5

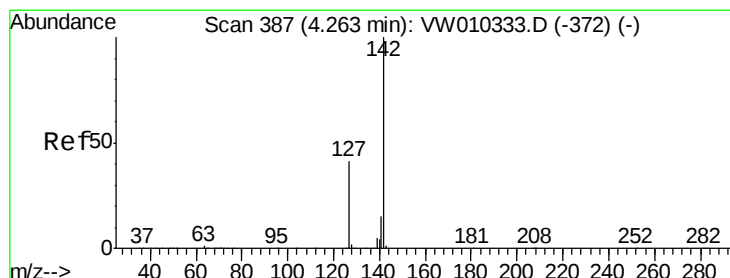
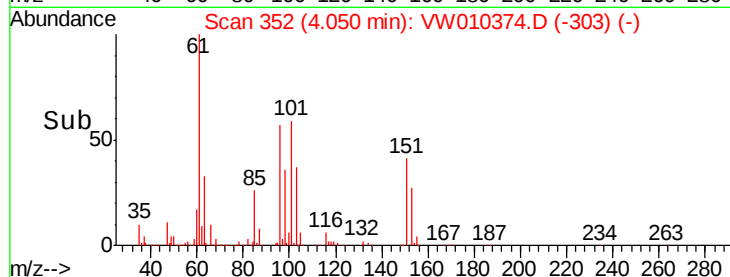
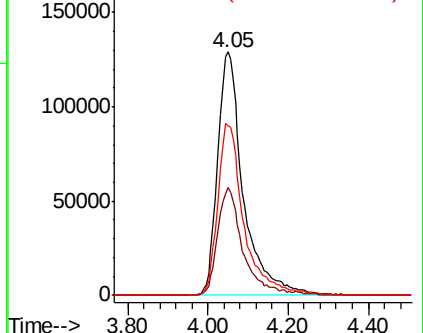
151 71.1 60.2 90.2



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: 48.138 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

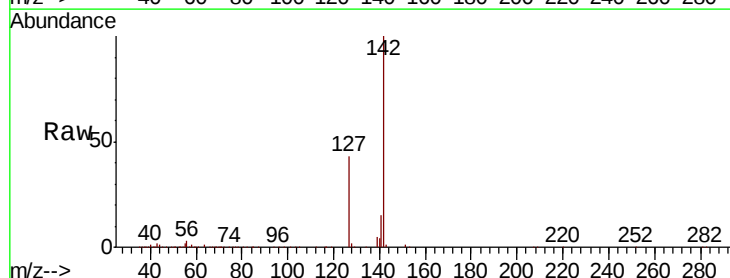
Tgt Ion:142 Resp: 847015

Ion Ratio Lower Upper

142 100

127 43.9 38.1 57.1

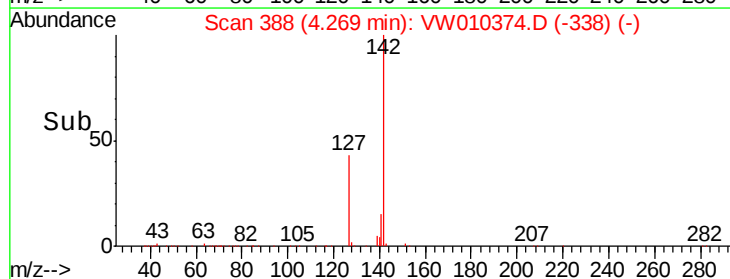
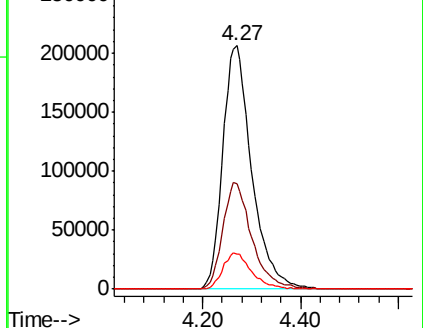
141 14.8 12.2 18.2

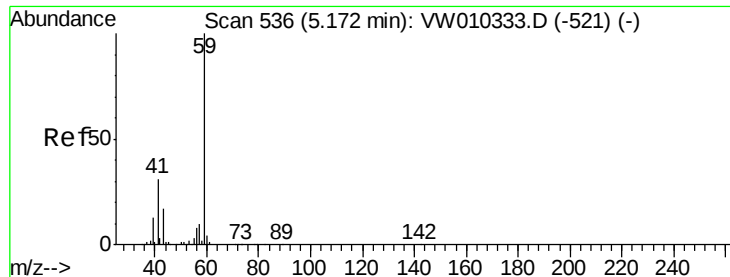


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

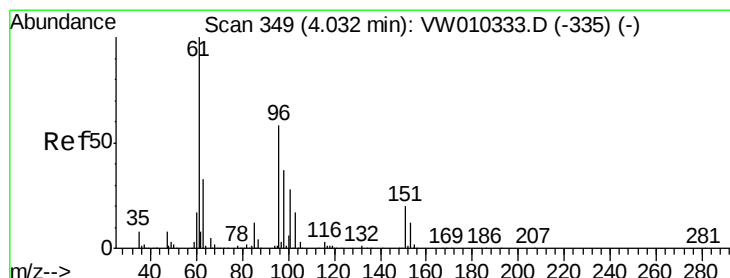
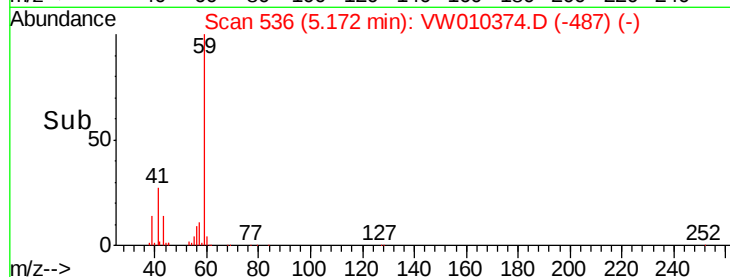
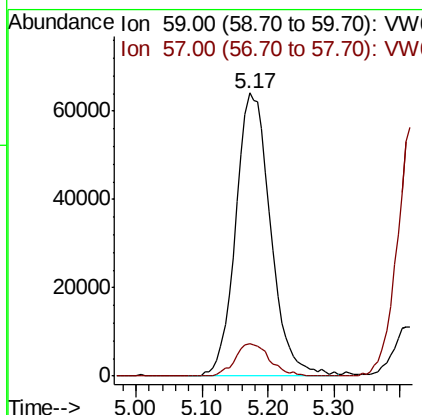
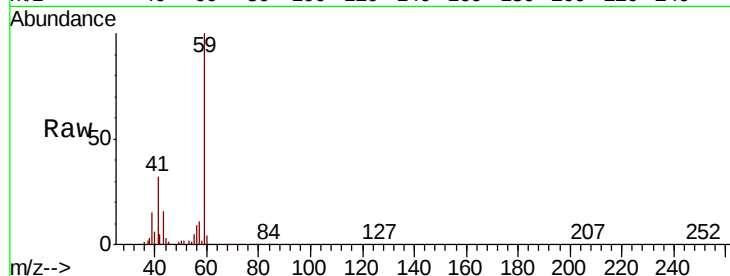




#11
Tert butyl alcohol
Concen: 263.565 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

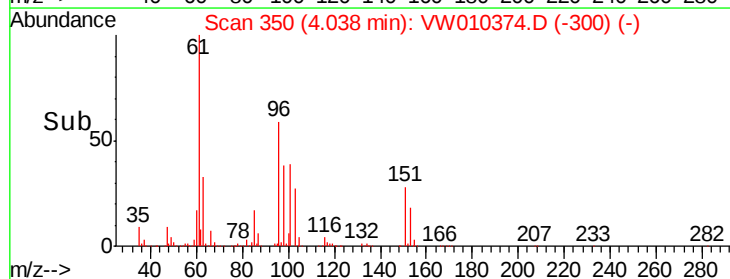
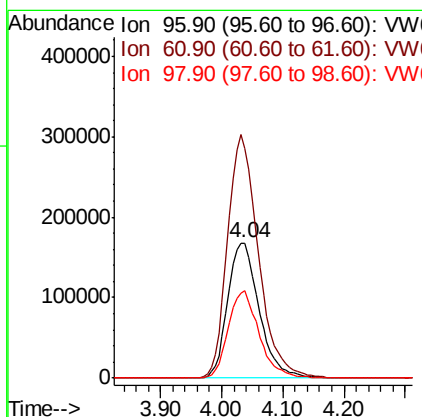
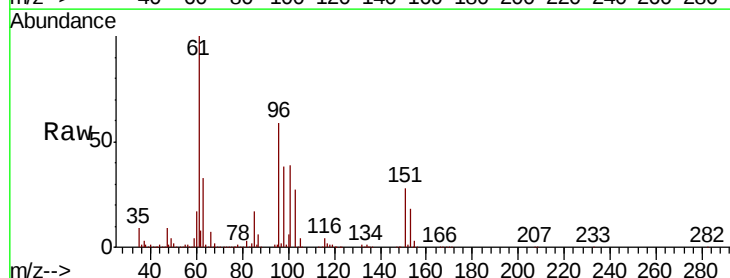
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

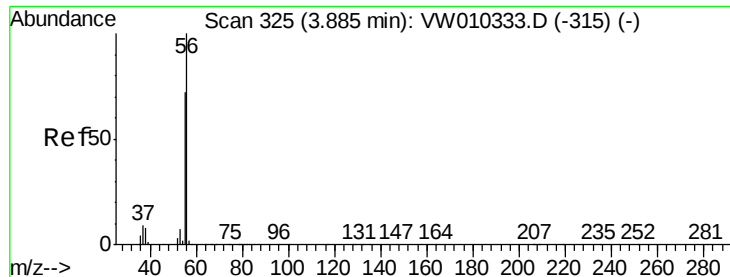
Tgt Ion: 59 Resp: 235615
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4



#12
1,1-Dichloroethene
Concen: 45.956 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 96 Resp: 596671
Ion Ratio Lower Upper
96 100
61 170.2 147.4 221.2
98 64.5 49.7 74.5





#13

Acrolein

Concen: 260.257 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

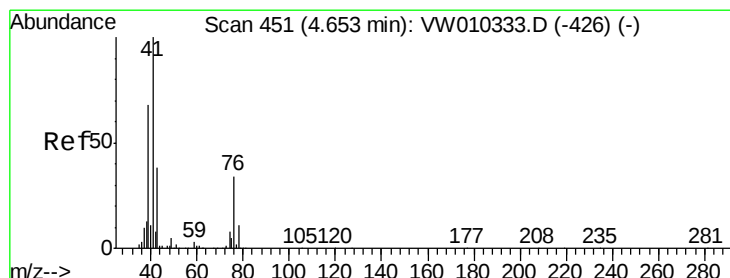
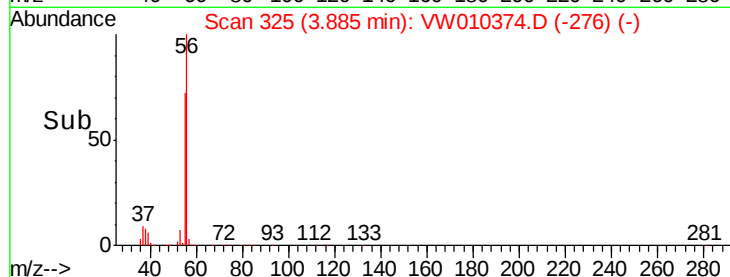
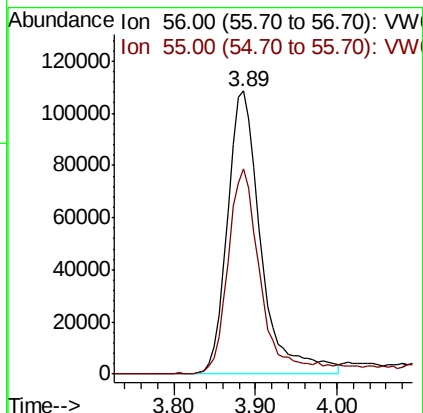
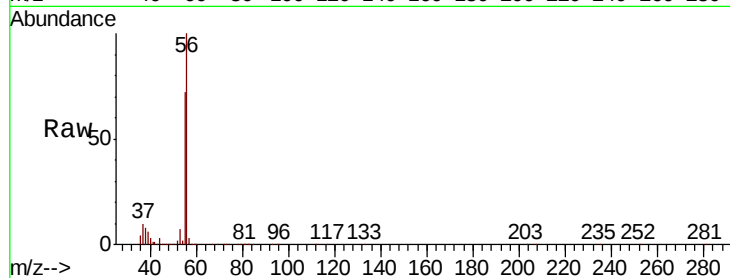
VSTDCCC050EC

Tgt Ion: 56 Resp: 307170

Ion Ratio Lower Upper

56 100

55 71.4 54.2 81.2



#14

Allyl chloride

Concen: 43.893 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

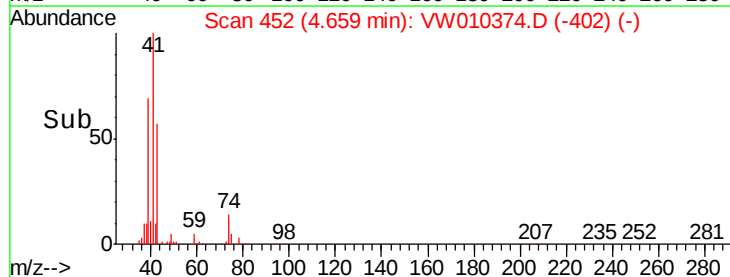
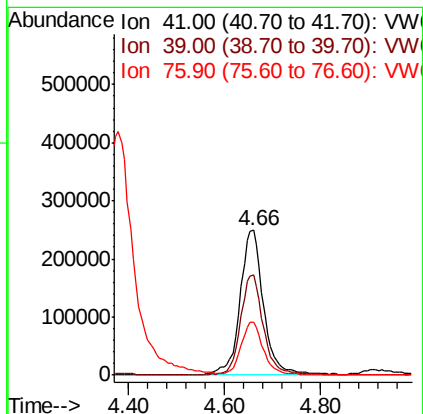
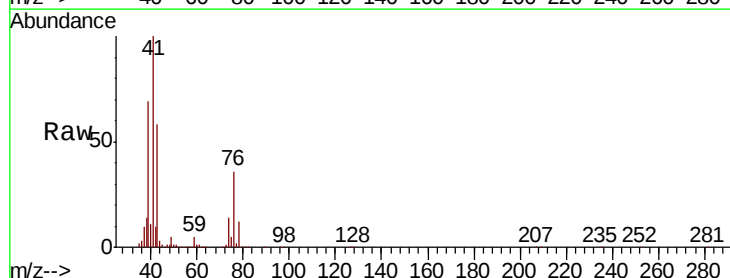
Tgt Ion: 41 Resp: 850679

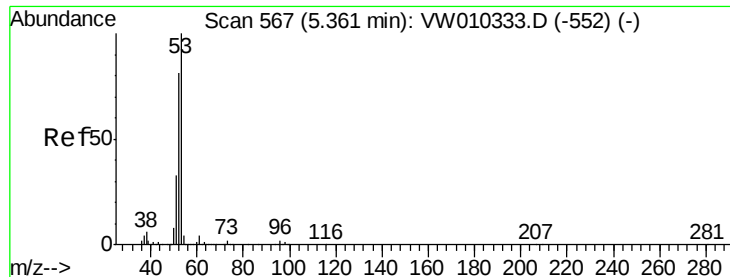
Ion Ratio Lower Upper

41 100

39 66.4 60.2 90.4

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 251.016 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

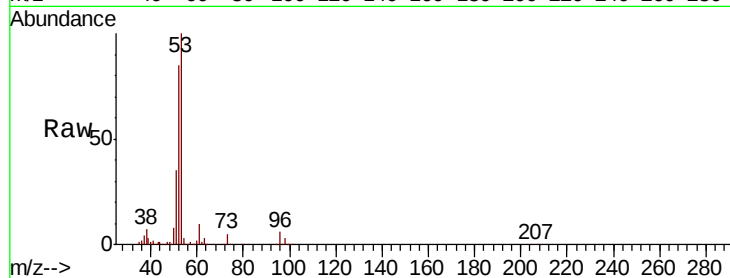
Tgt Ion: 53 Resp: 927469

Ion Ratio Lower Upper

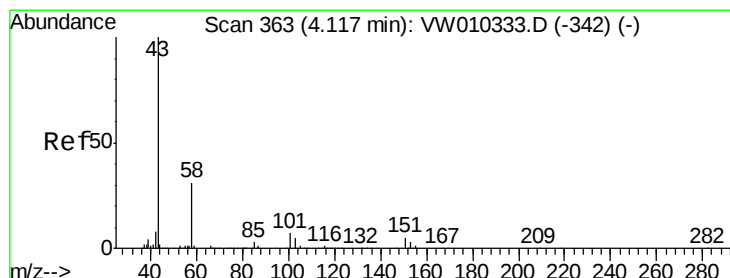
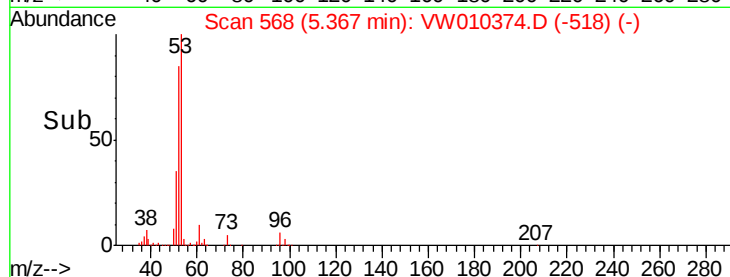
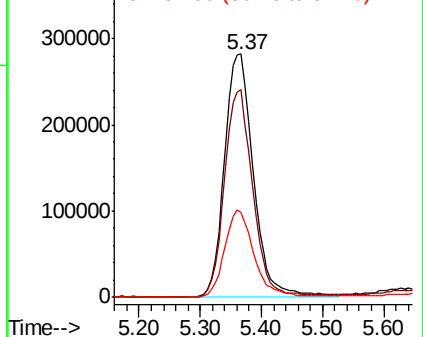
53 100

52 82.4 66.6 100.0

51 36.1 30.3 45.5



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



#16

Acetone

Concen: 232.964 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010374.D

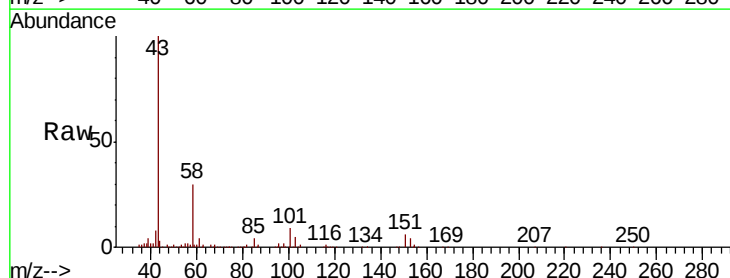
Acq: 10 May 2019 23:43

Tgt Ion: 43 Resp: 768773

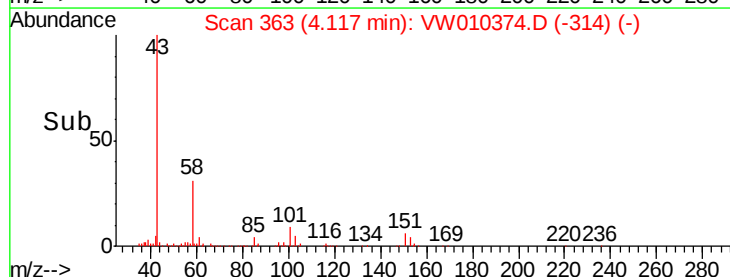
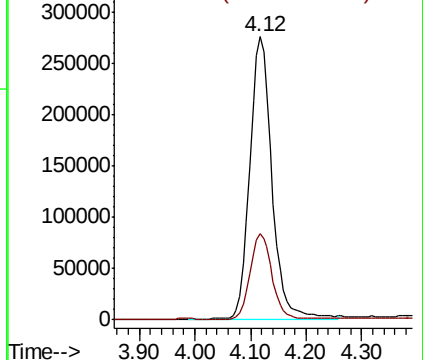
Ion Ratio Lower Upper

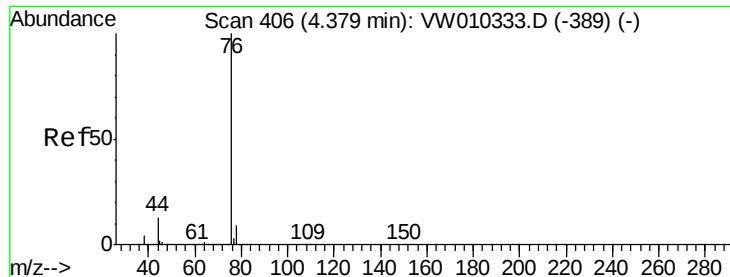
43 100

58 30.0 22.7 34.1



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





#17

Carbon Disulfide

Concen: 43.515 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

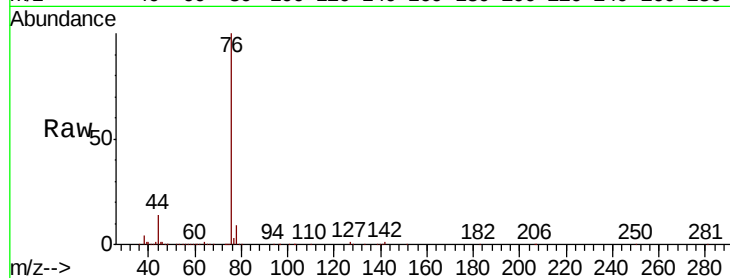
VSTDCCC050EC

Tgt Ion: 76 Resp: 1708727

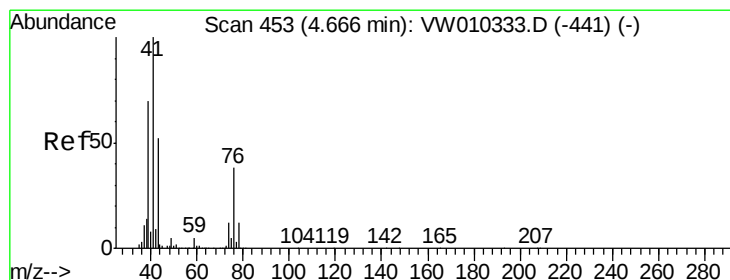
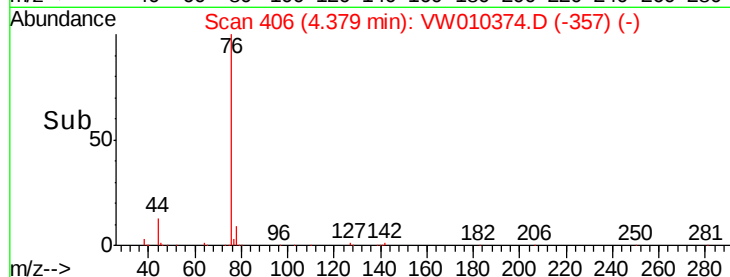
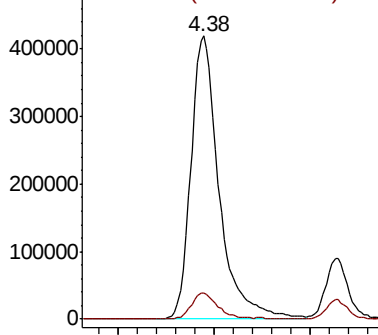
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 53.770 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010374.D

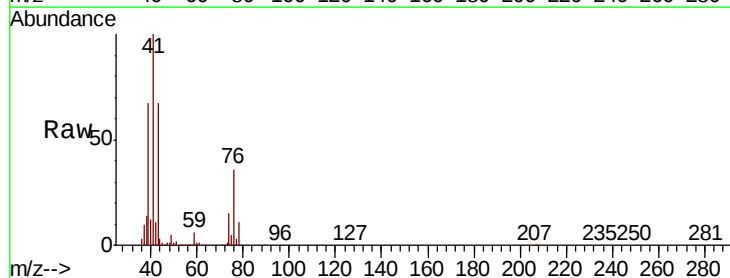
Acq: 10 May 2019 23:43

Tgt Ion: 43 Resp: 439504

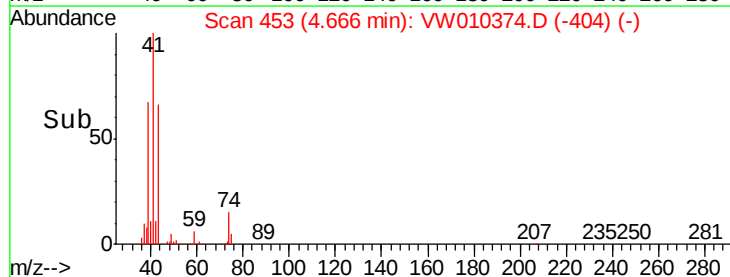
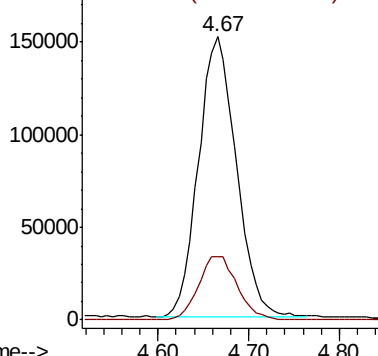
Ion Ratio Lower Upper

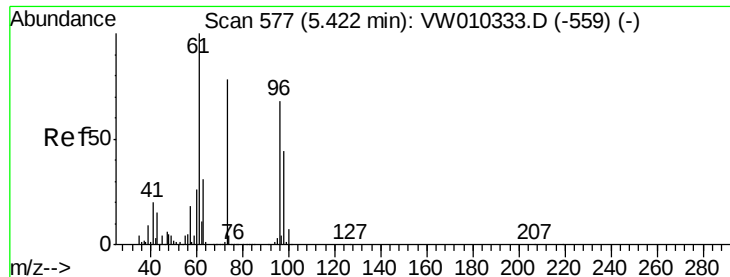
43 100

74 23.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

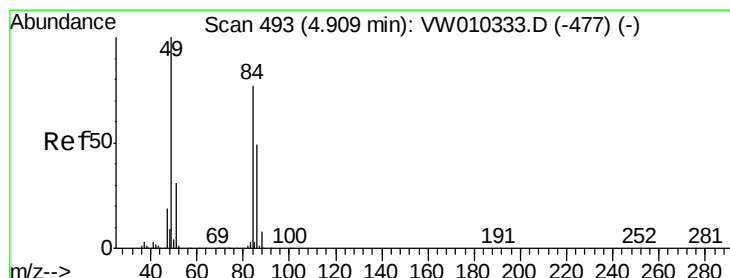
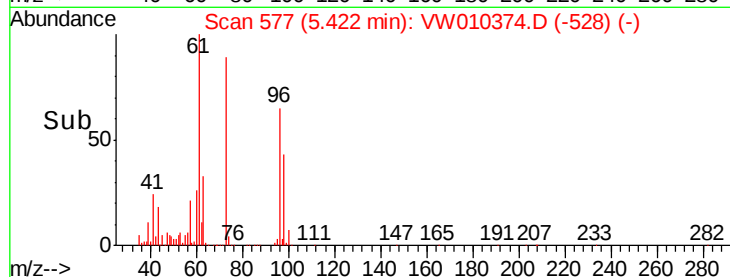
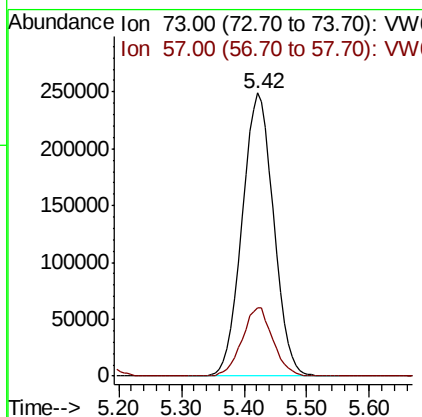
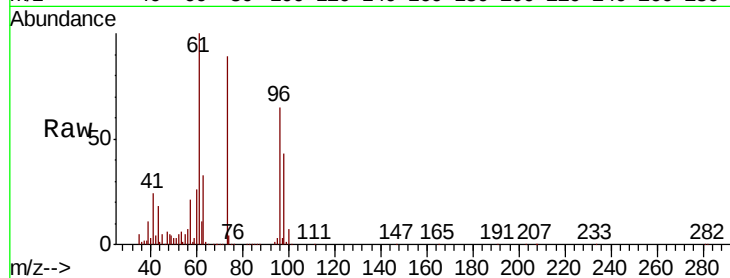




#19
Methyl tert-butyl Ether
Concen: 55.901 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

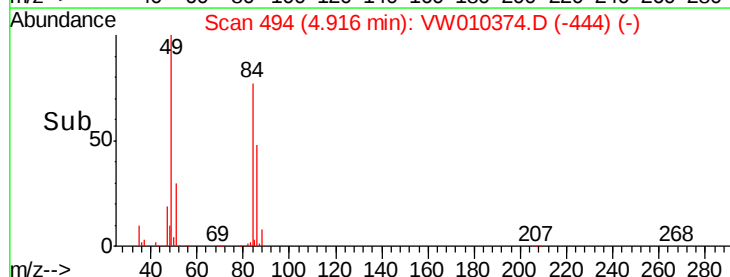
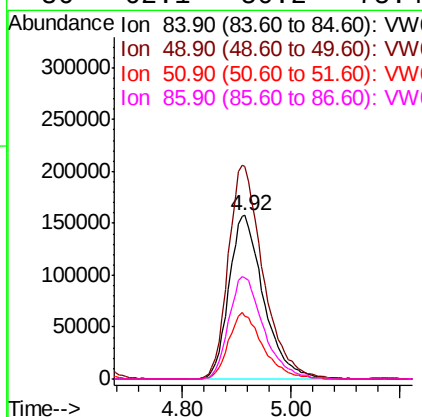
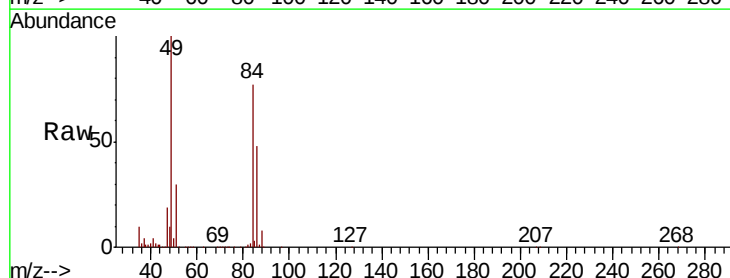
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

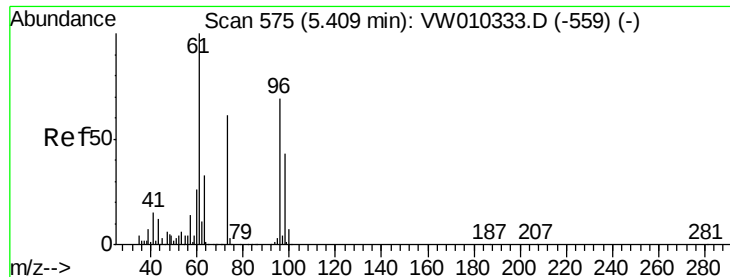
Tgt Ion: 73 Resp: 864007
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7



#20
Methylene Chloride
Concen: 50.730 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 84 Resp: 698246
Ion Ratio Lower Upper
84 100
49 129.8 112.3 168.5
51 38.2 33.9 50.9
86 62.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.502 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

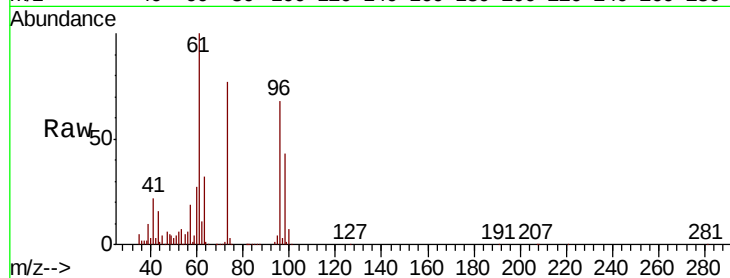
Tgt Ion: 96 Resp: 677845

Ion Ratio Lower Upper

96 100

61 147.2 122.3 183.5

98 62.8 50.5 75.7

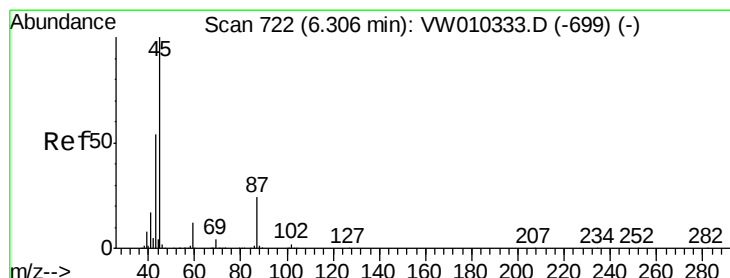
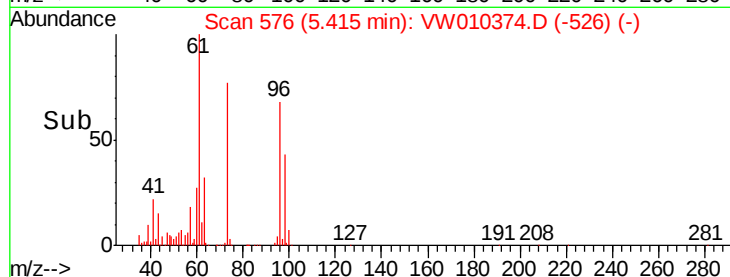
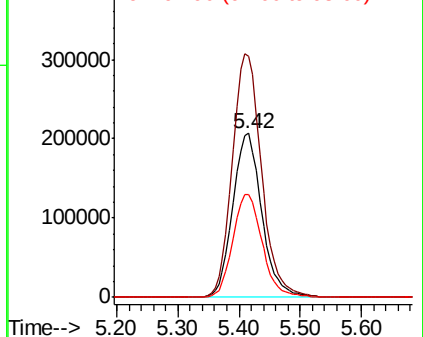


Abundance

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: 58.087 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion: 45 Resp: 2184832

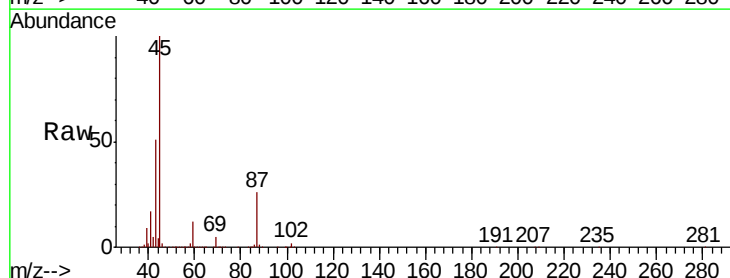
Ion Ratio Lower Upper

45 100

43 51.0 46.1 69.1

87 25.5 18.3 27.5

59 11.7 8.2 12.4



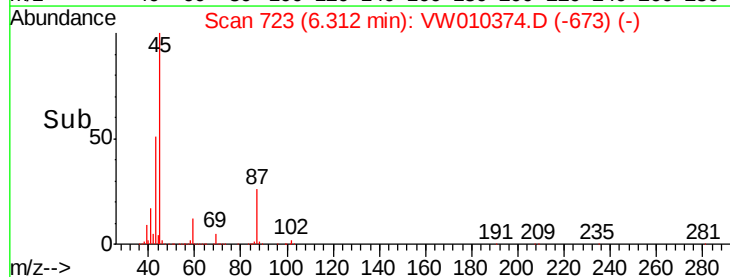
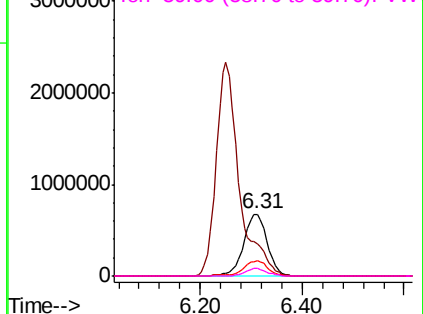
Abundance

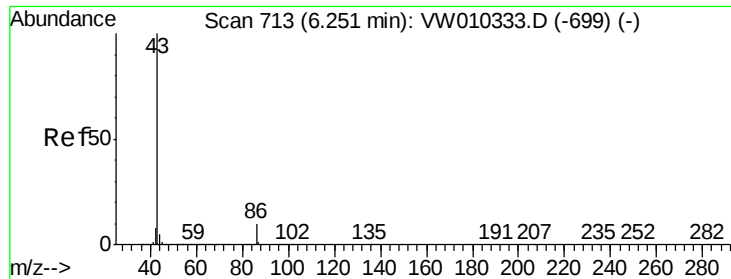
Ion 45.00 (44.70 to 45.70): VW

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

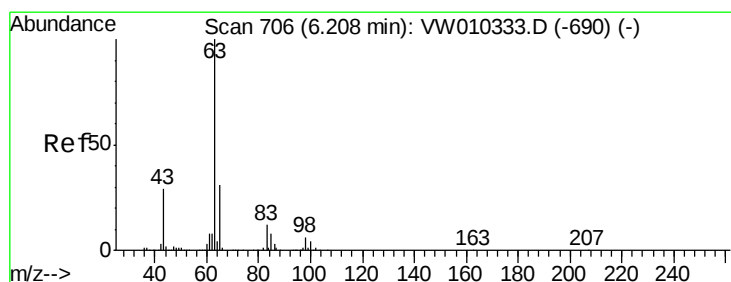
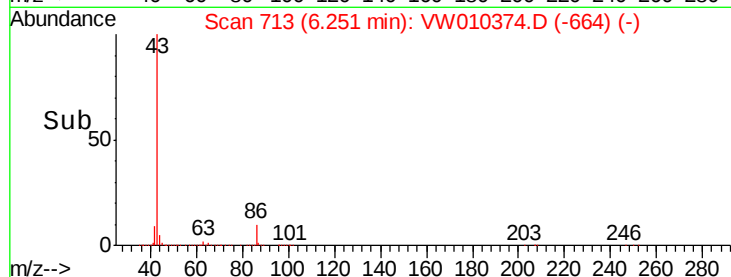
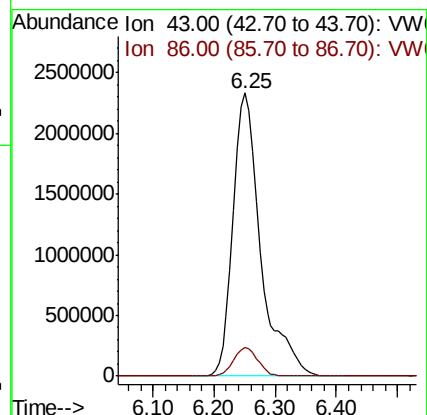
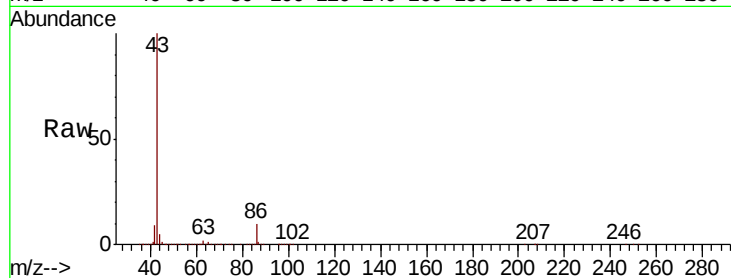




#23
 Vinyl Acetate
 Concen: 282.889 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

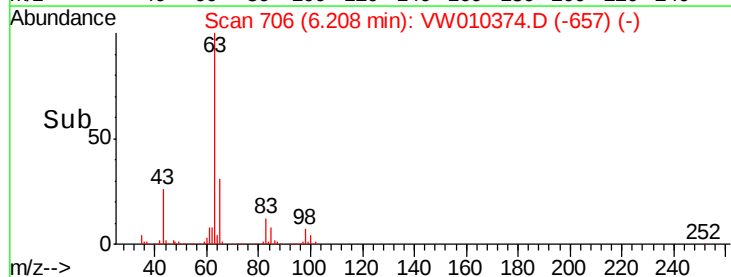
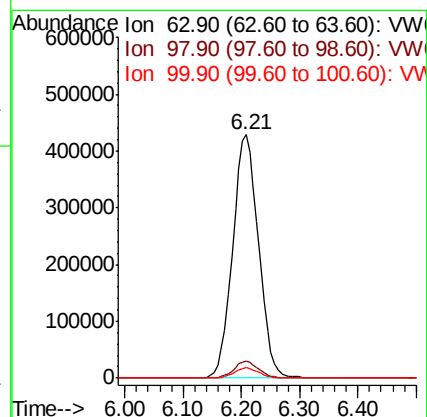
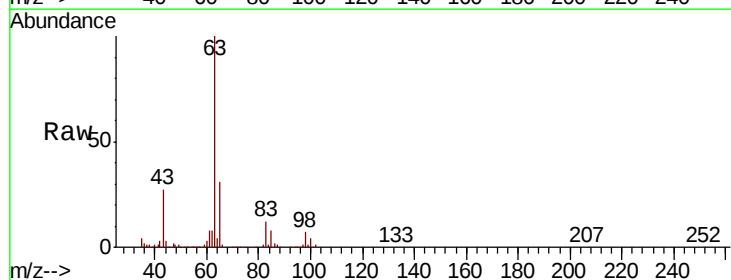
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

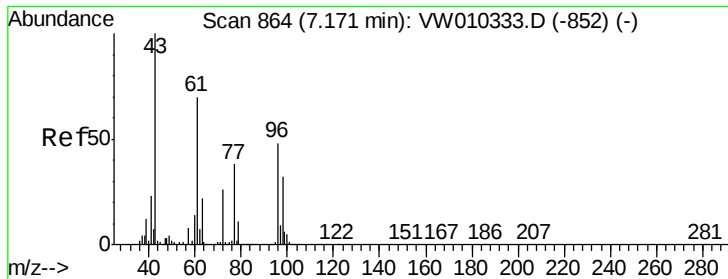
Tgt Ion: 43 Resp: 7306228
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 52.189 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion: 63 Resp: 1321624
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 269.811 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

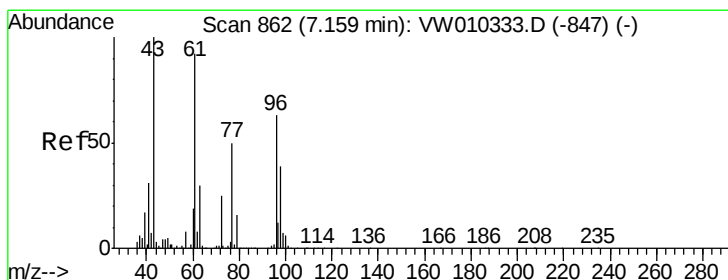
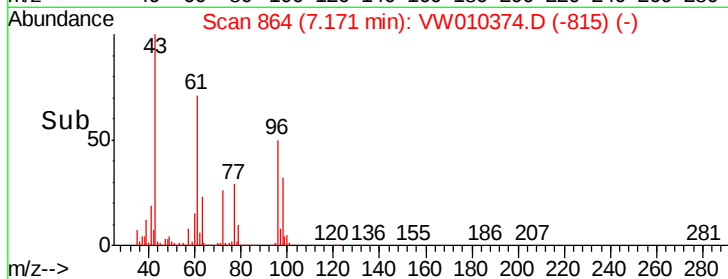
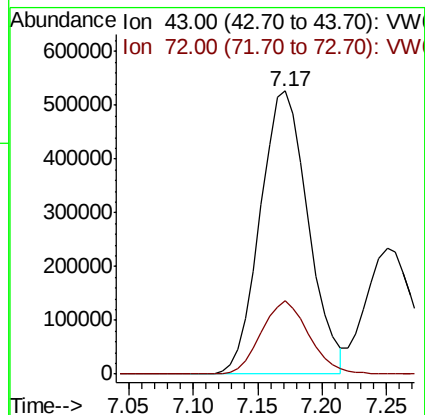
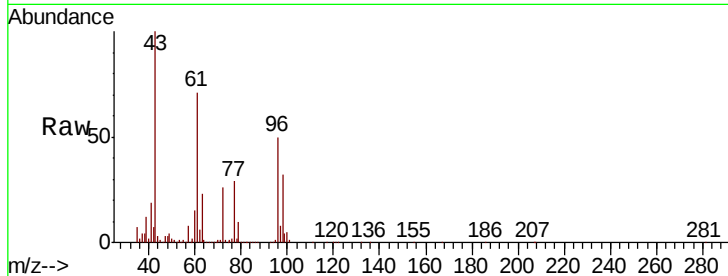
VSTDCCC050EC

Tgt Ion: 43 Resp: 1362086

Ion Ratio Lower Upper

43 100

72 26.1 19.1 28.7



#26

2,2-Dichloropropane

Concen: 41.277 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010374.D

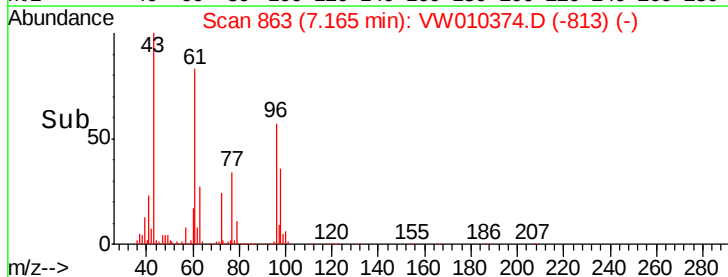
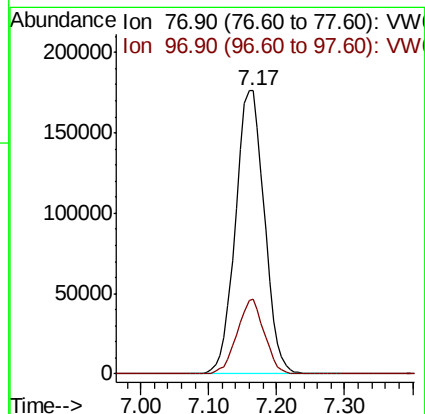
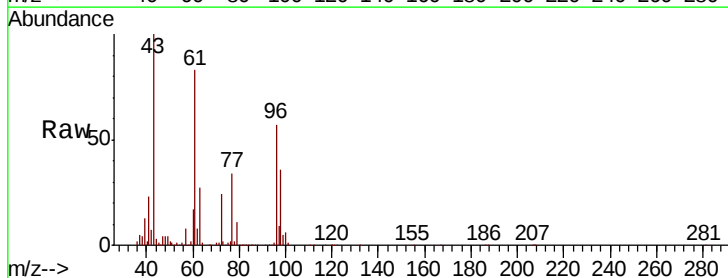
Acq: 10 May 2019 23:43

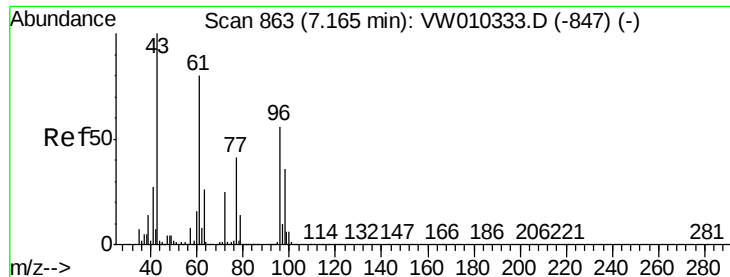
Tgt Ion: 77 Resp: 520072

Ion Ratio Lower Upper

77 100

97 24.8 11.3 33.9



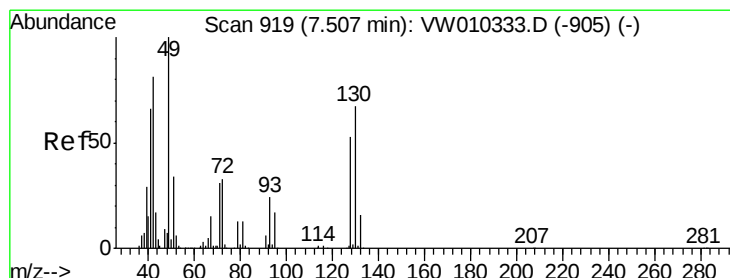
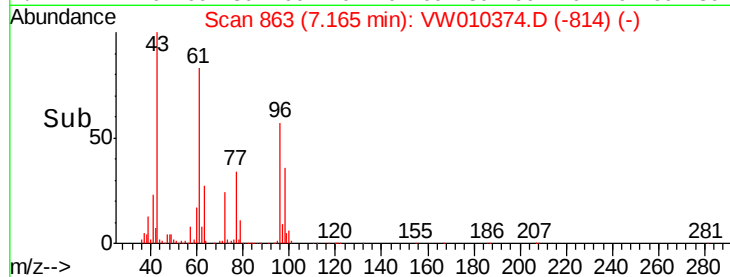
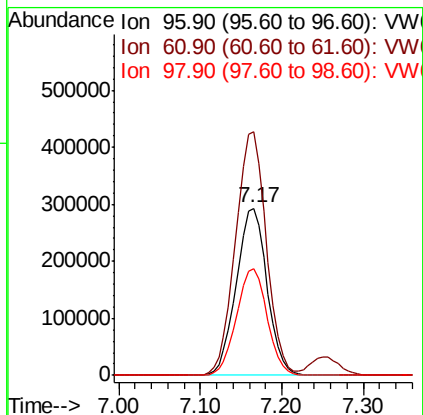
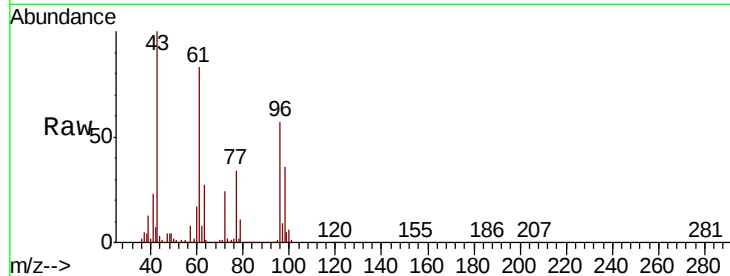


#27

cis-1,2-Dichloroethene
Concen: 53.329 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

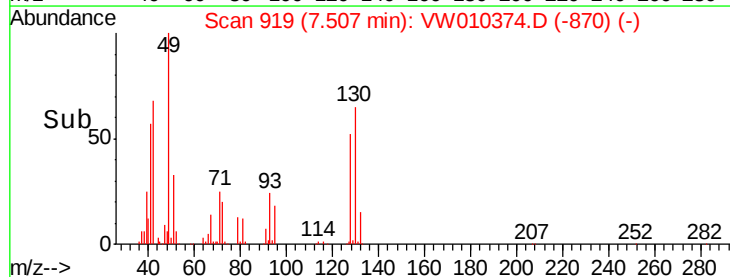
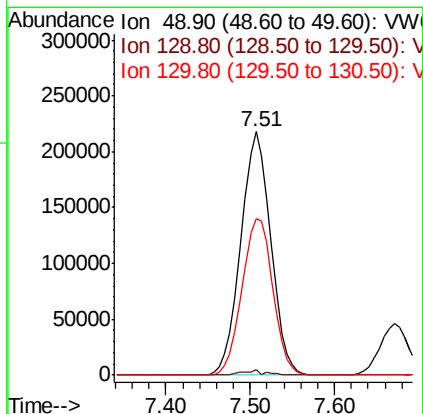
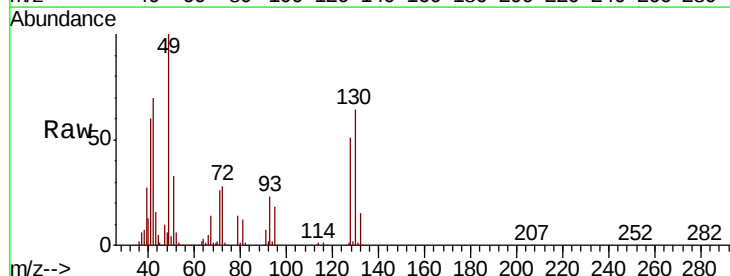
Tgt Ion	Resp	Lower	Upper
96	766477		
Ion Ratio			
96	100		
61	145.8	0.0	309.4
98	63.6	0.0	128.6

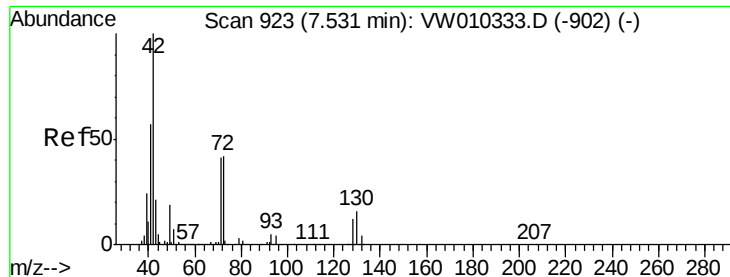


#28

Bromochloromethane
Concen: 56.273 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Resp	Lower	Upper
49	525384		
Ion Ratio			
49	100		
129	1.1	0.0	3.8
130	66.1	54.6	82.0

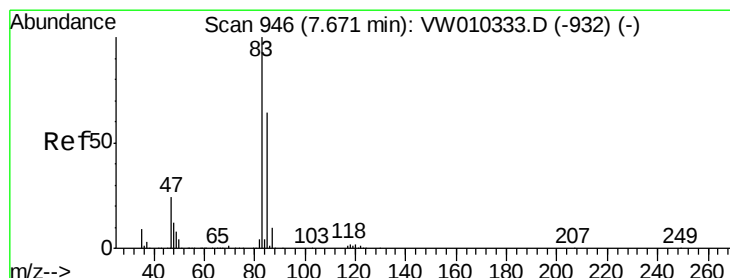
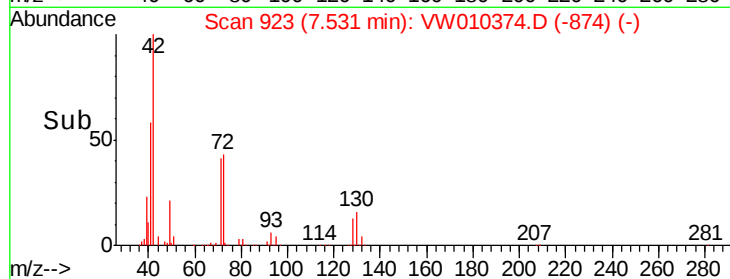
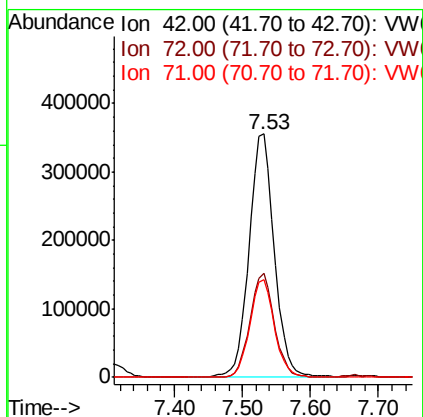
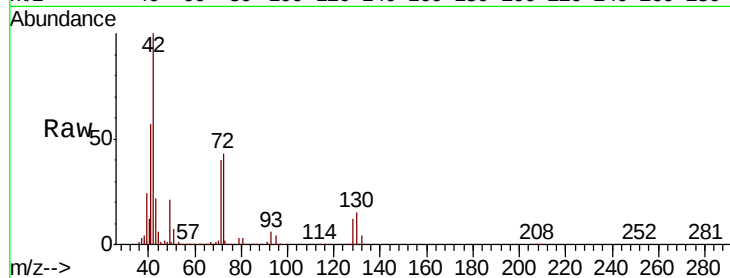




#29
Tetrahydrofuran
Concen: 280.440 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

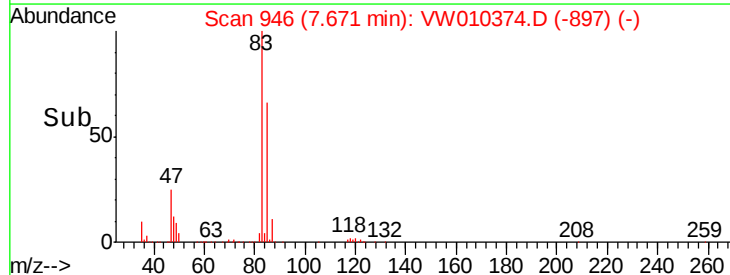
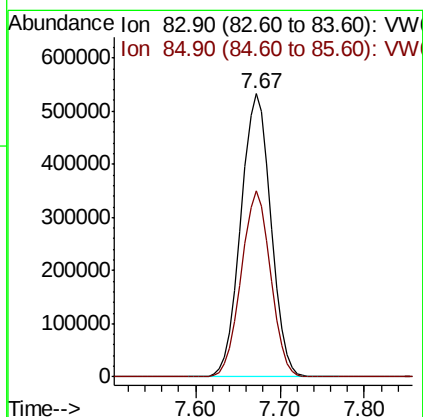
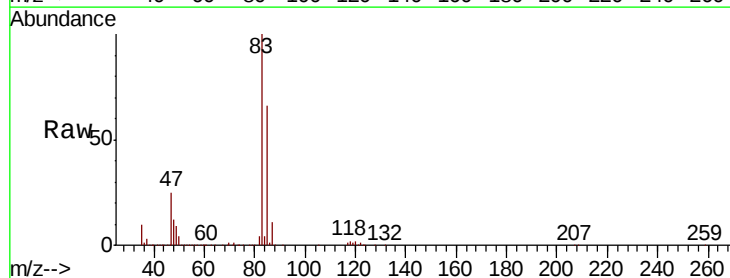
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

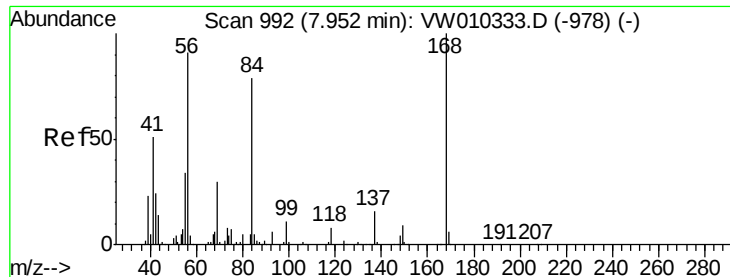
Tgt Ion: 42 Resp: 915711
Ion Ratio Lower Upper
42 100
72 41.4 31.0 46.6
71 39.1 29.7 44.5



#30
Chloroform
Concen: 54.159 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 83 Resp: 1283543
Ion Ratio Lower Upper
83 100
85 65.7 50.7 76.1

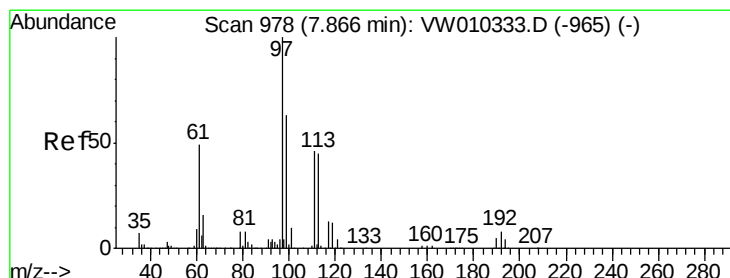
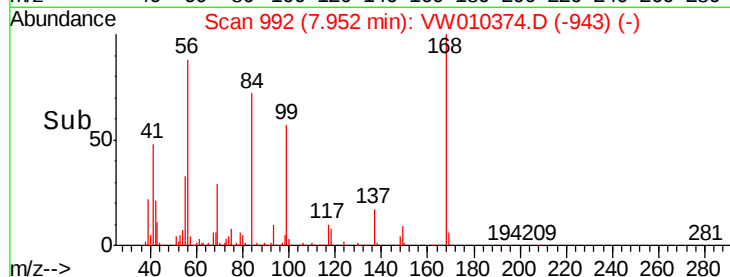
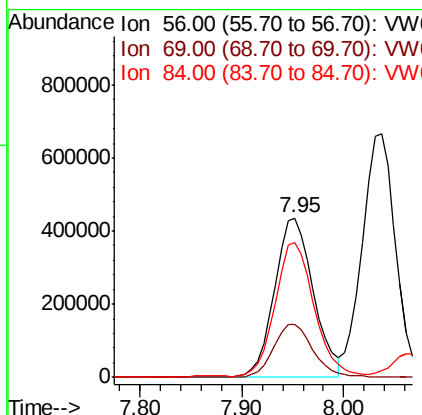
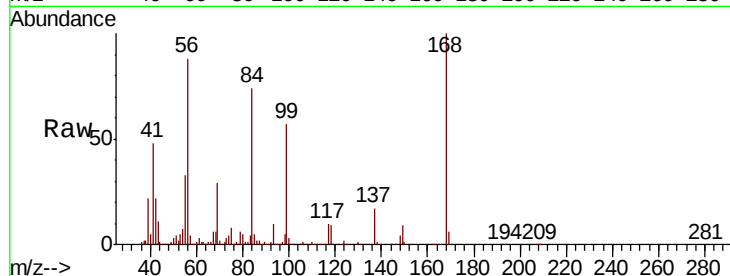




#31
Cyclohexane
Concen: 44.332 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

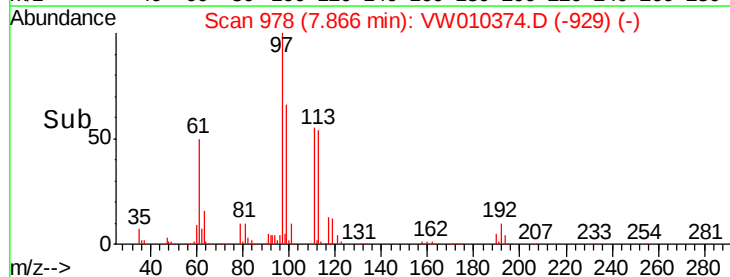
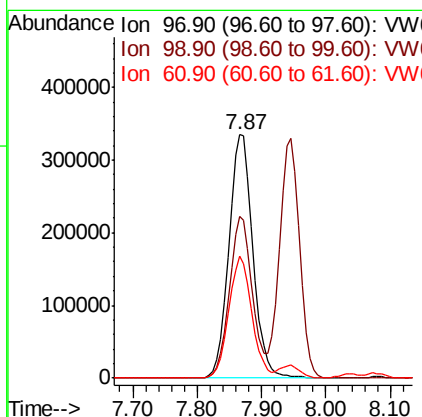
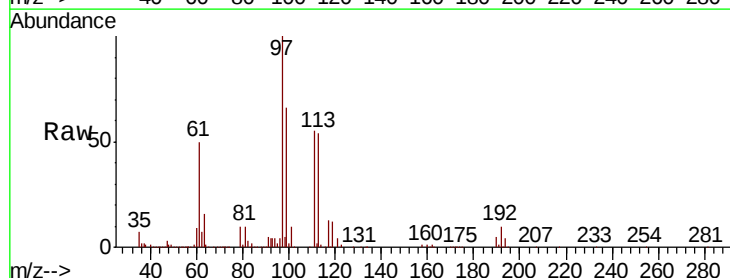
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

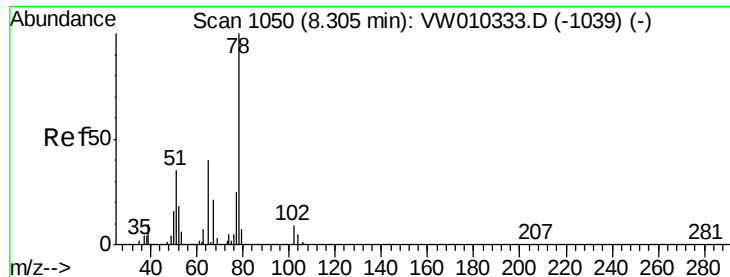
Tgt Ion: 56 Resp: 1149477
Ion Ratio Lower Upper
56 100
69 33.0 26.6 40.0
84 84.3 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 47.712 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 97 Resp: 875869
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.2
61 48.2 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 61.284 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

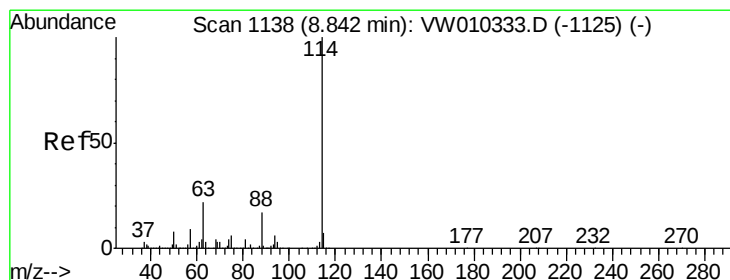
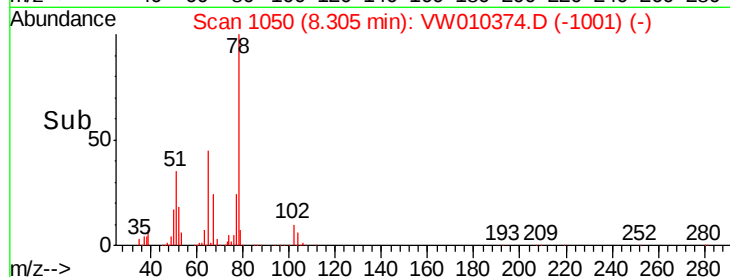
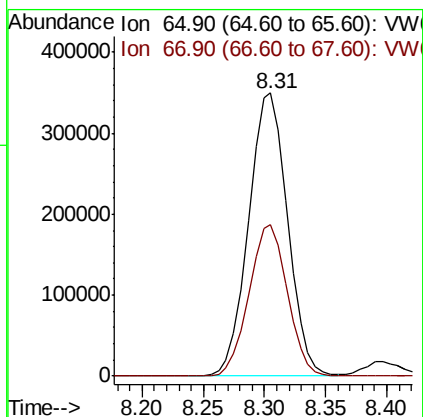
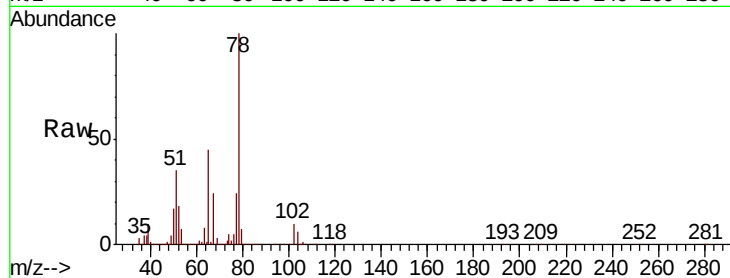
VSTDCCC050EC

Tgt Ion: 65 Resp: 775765

Ion Ratio Lower Upper

65 100

67 52.8 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: VW010374.D

Acq: 10 May 2019 23:43

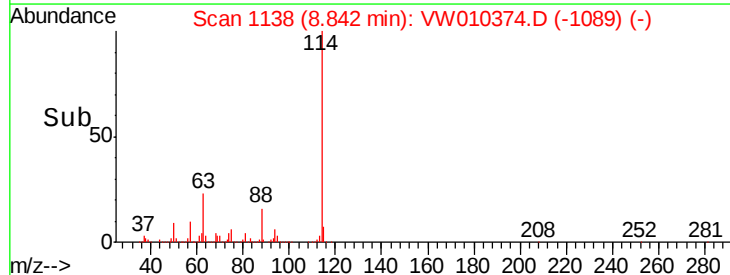
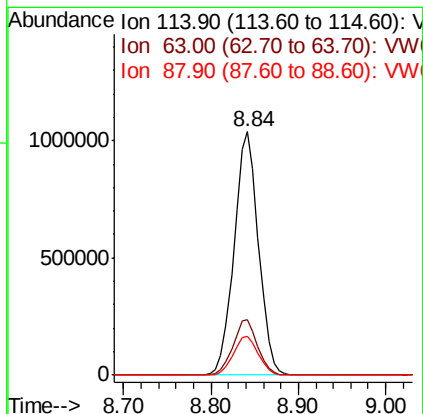
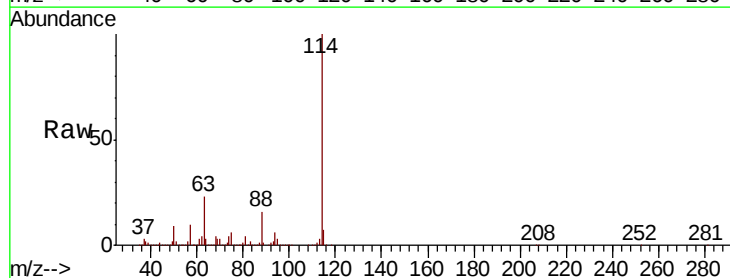
Tgt Ion: 114 Resp: 2001364

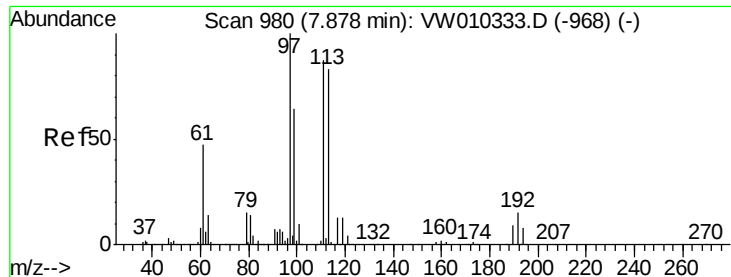
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 16.1 0.0 32.6

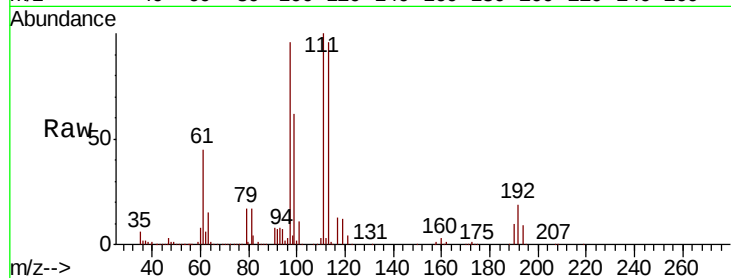




#35
 Dibromofluoromethane
 Concen: 55.428 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	20.0	15.4	23.2

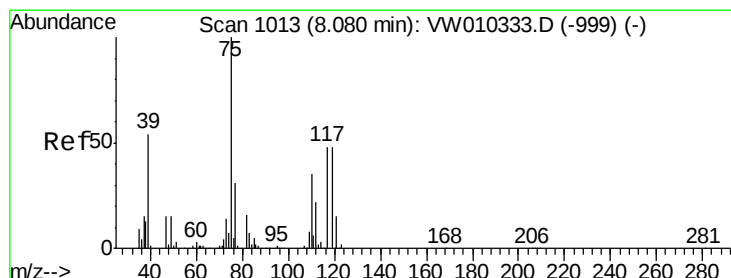
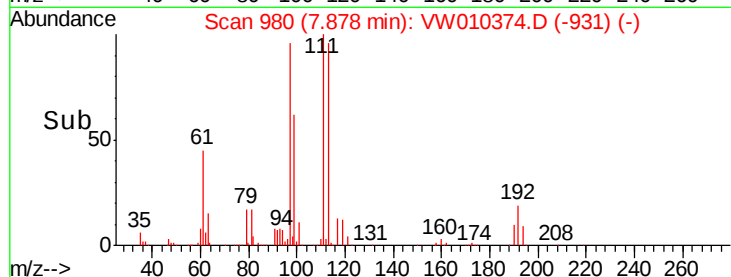
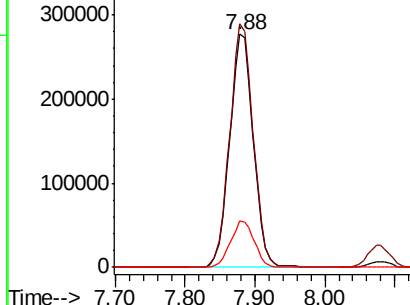


Abundance

Ion 112.80 (112.50 to 113.50): V

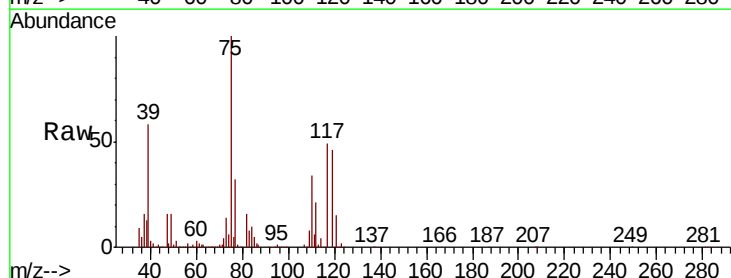
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 45.470 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.8
77	30.9	24.8	37.2

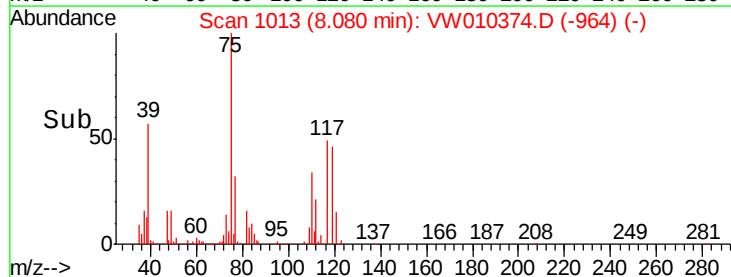
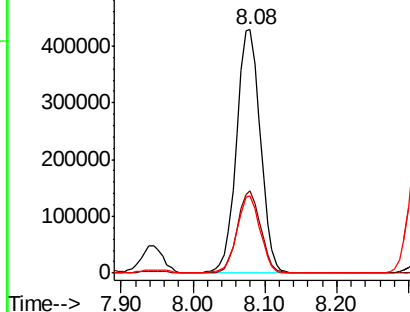


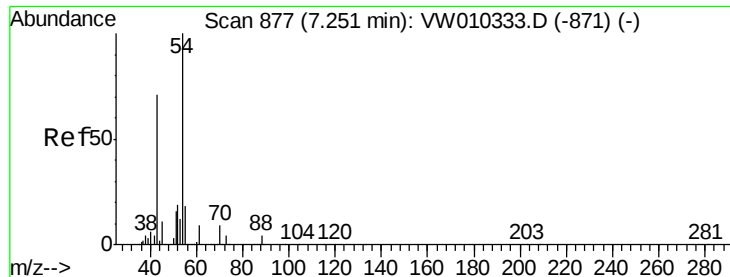
Abundance

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

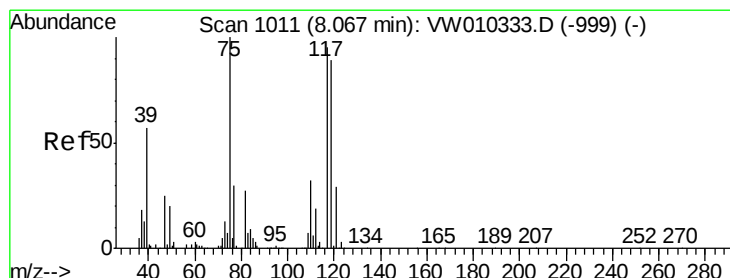
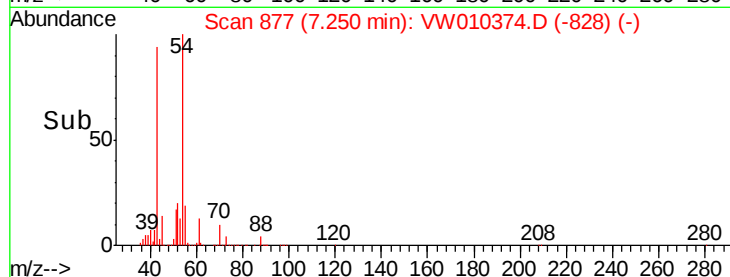
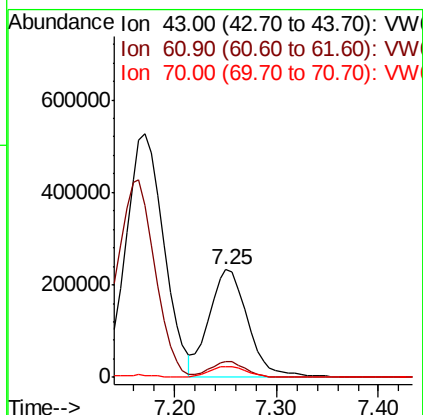
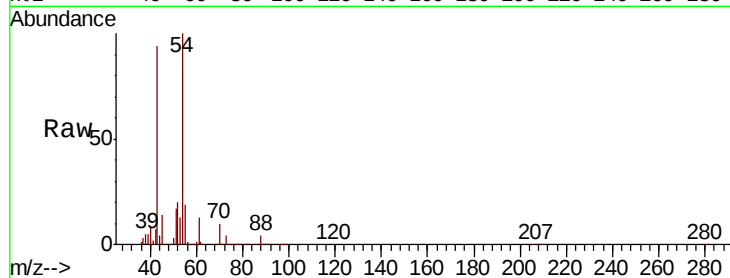




#37
Ethyl Acetate
Concen: 52.996 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

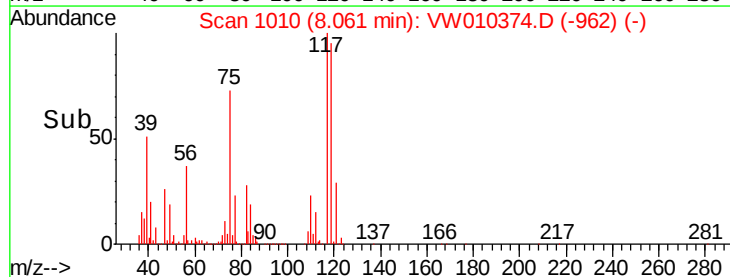
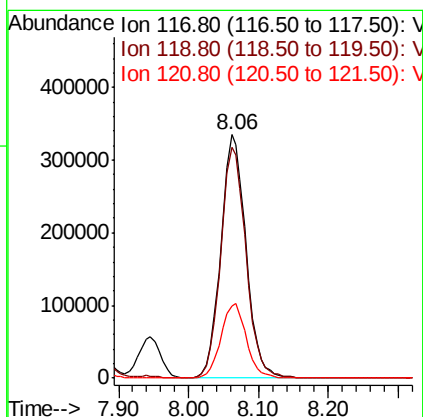
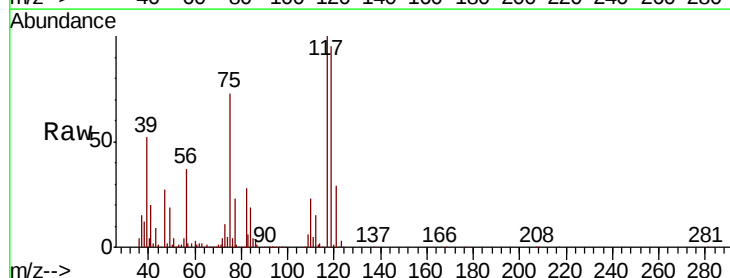
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

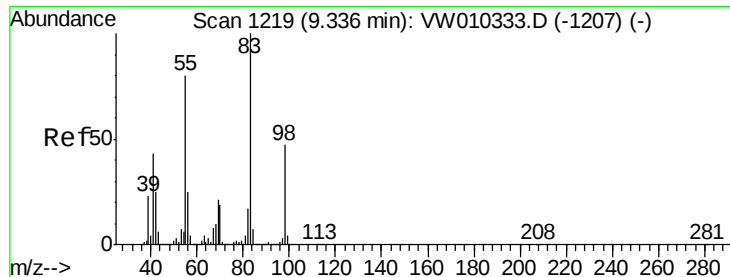
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.8	14.8
70	10.0	7.4	11.0



#38
Carbon Tetrachloride
Concen: 44.970 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.3	112.9
121	29.4	24.4	36.6

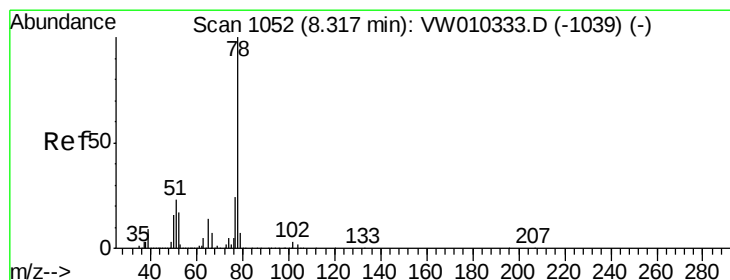
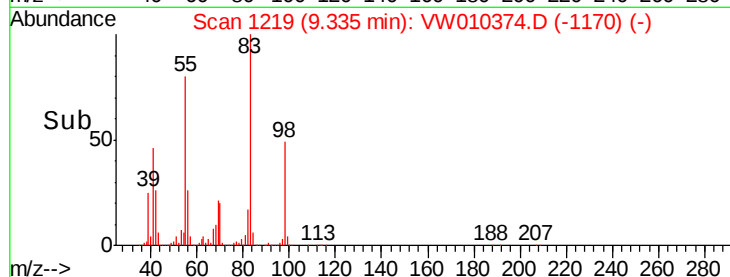
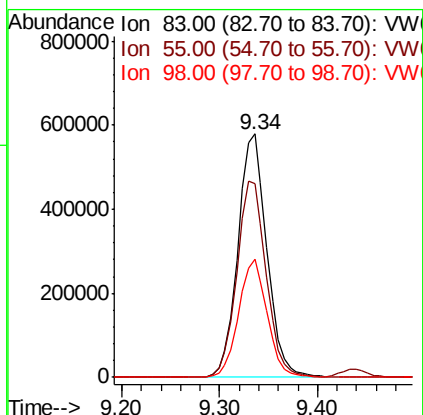
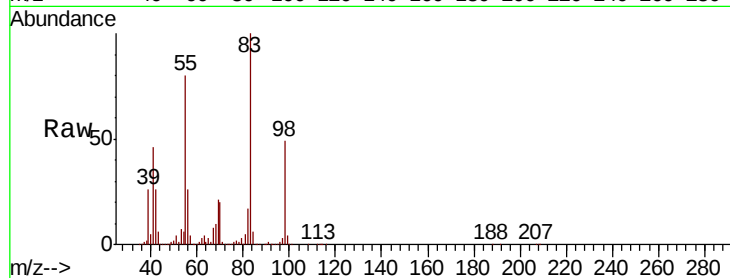




#39
Methylcyclohexane
Concen: 44.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

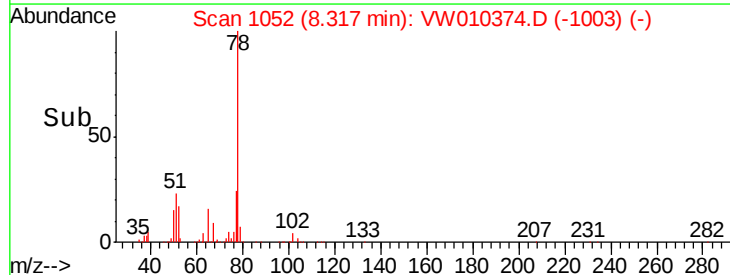
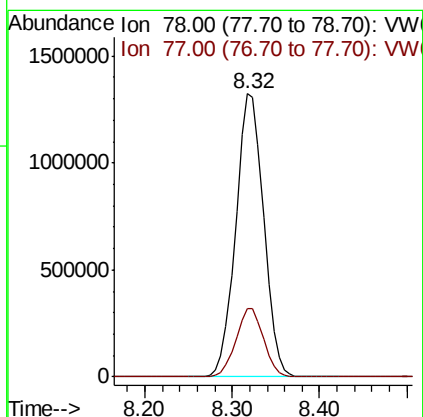
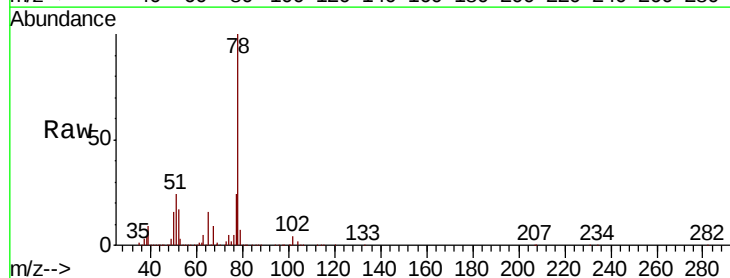
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

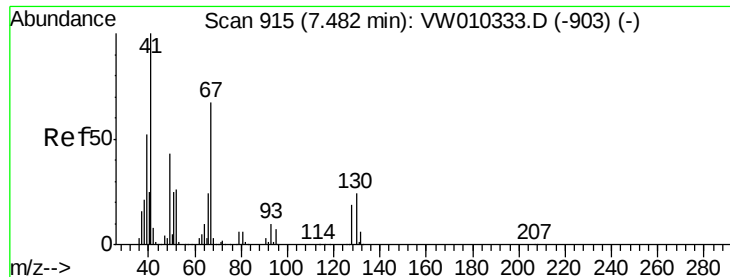
Tgt Ion: 83 Resp: 1186733
Ion Ratio Lower Upper
83 100
55 79.7 67.1 100.7
98 48.8 39.2 58.8



#40
Benzene
Concen: 49.355 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 78 Resp: 2933122
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

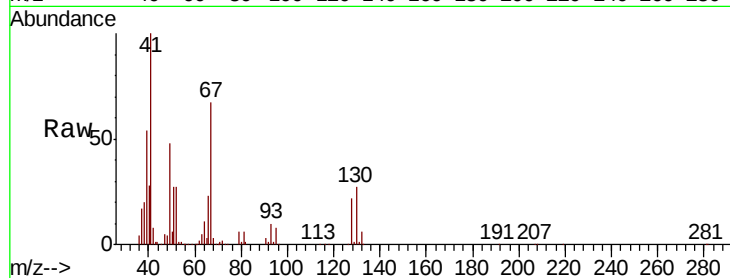




#41
Methacrylonitrile
Concen: 53.900 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	349250
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.0	67.4
67	66.6	50.7	76.1
52	28.3	22.6	33.8



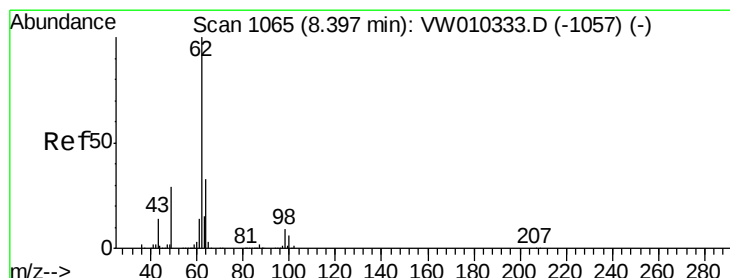
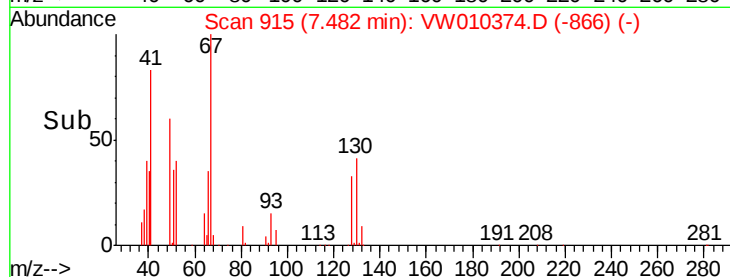
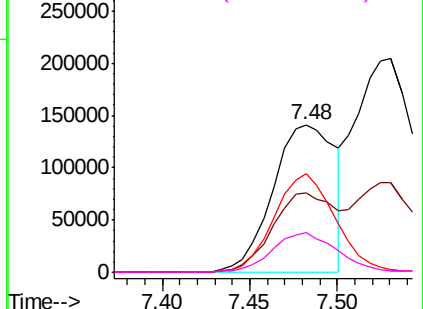
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

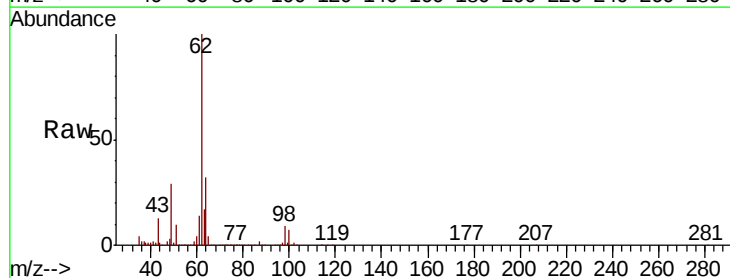
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 53.807 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

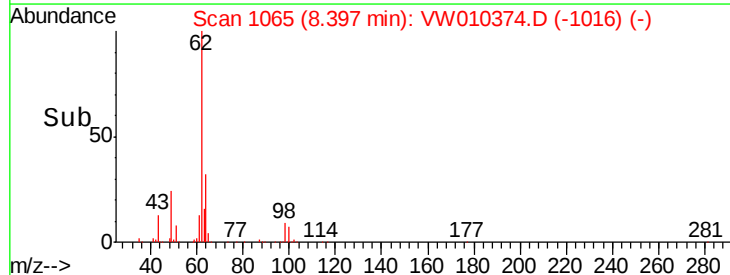
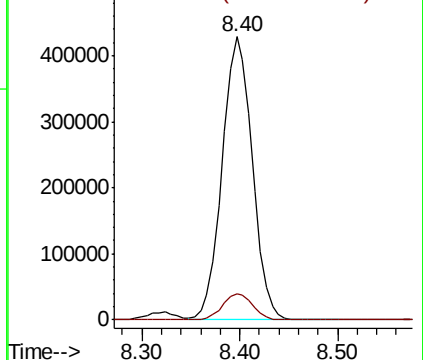
Tgt Ion:	62	Resp:	915310
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.6

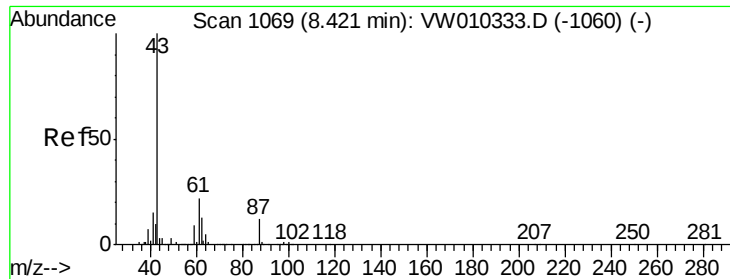


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.985 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

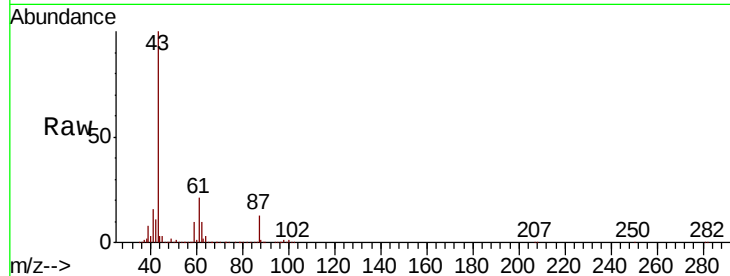
Tgt Ion: 43 Resp: 1034457

Ion Ratio Lower Upper

43 100

61 29.8 23.0 34.6

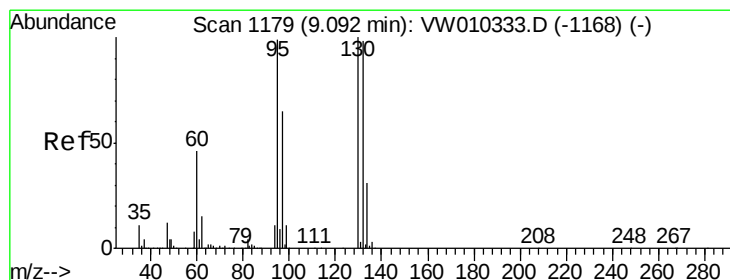
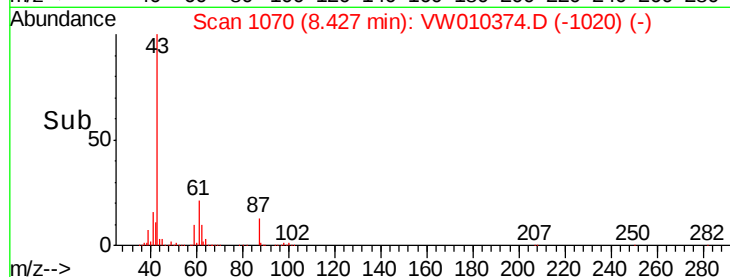
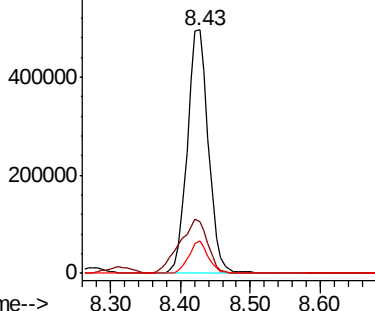
87 12.5 9.3 13.9



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: 47.200 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010374.D

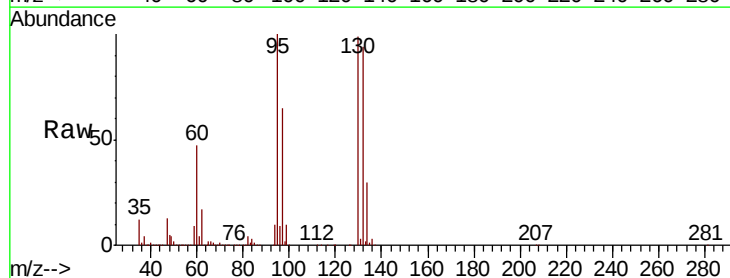
Acq: 10 May 2019 23:43

Tgt Ion: 130 Resp: 702241

Ion Ratio Lower Upper

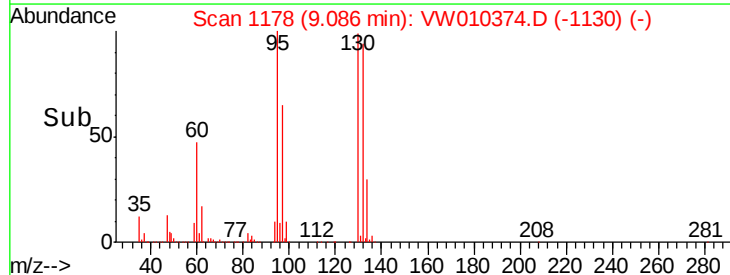
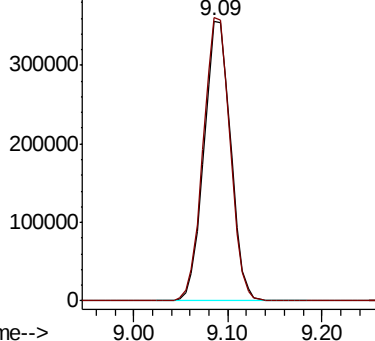
130 100

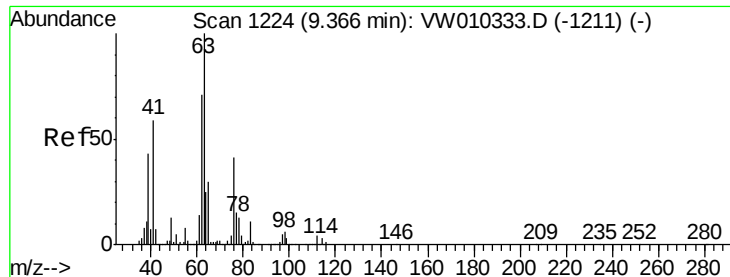
95 101.1 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

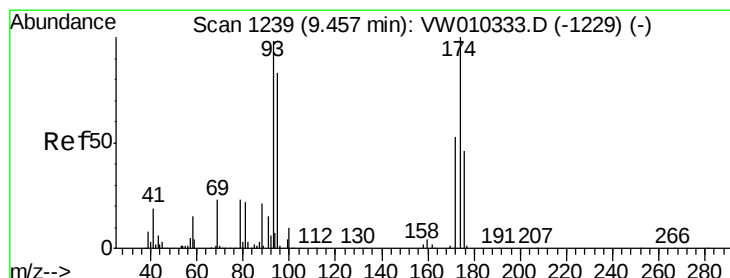
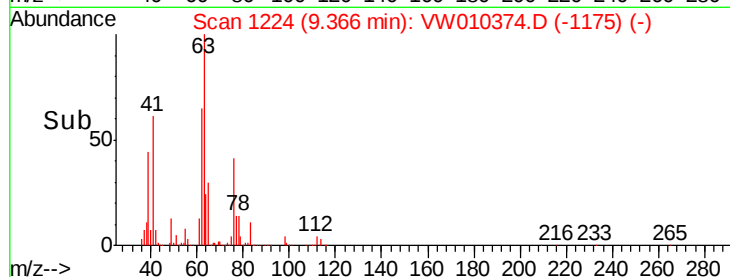
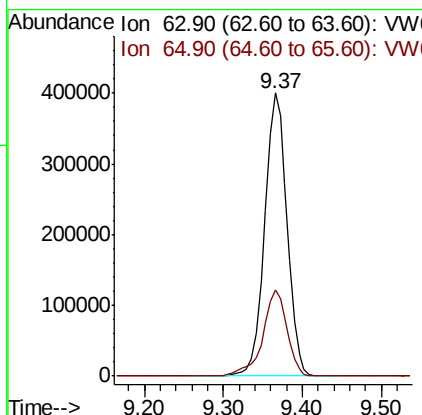
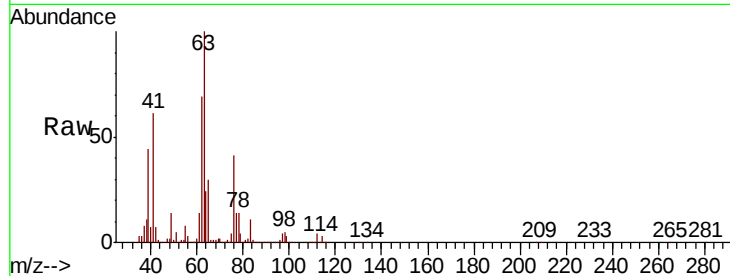




#45
 1,2-Dichloropropane
 Concen: 53.101 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

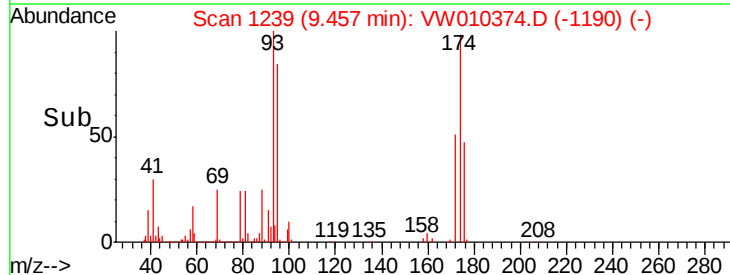
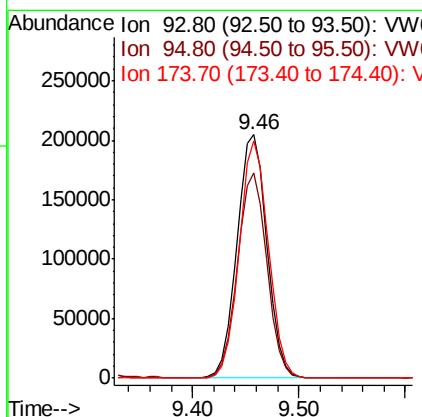
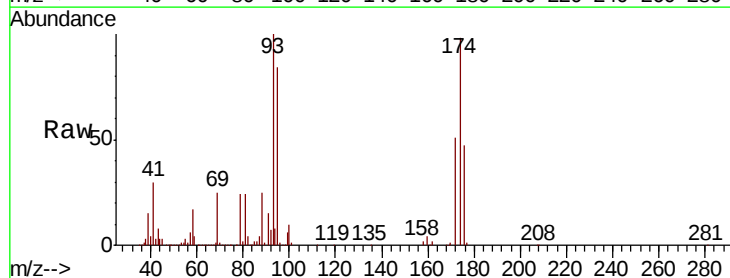
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

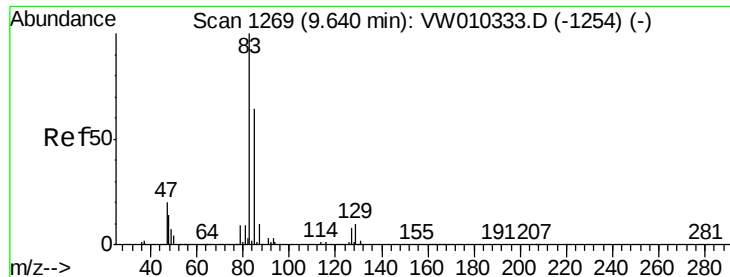
Tgt Ion: 63 Resp: 784425
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6



#46
 Dibromomethane
 Concen: 52.939 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion: 93 Resp: 404007
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.8 98.8
 174 95.3 75.5 113.3





#47

Bromodichloromethane

Concen: 53.244 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

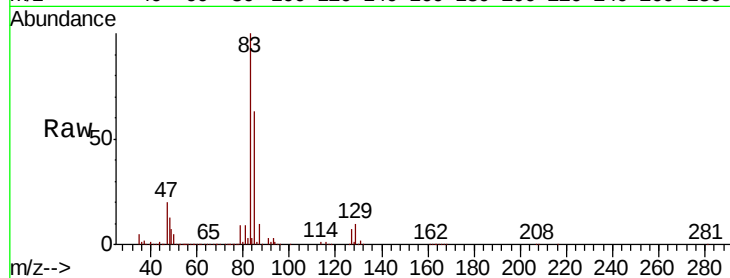
Tgt Ion: 83 Resp: 974703

Ion Ratio Lower Upper

83 100

85 62.5 50.6 75.8

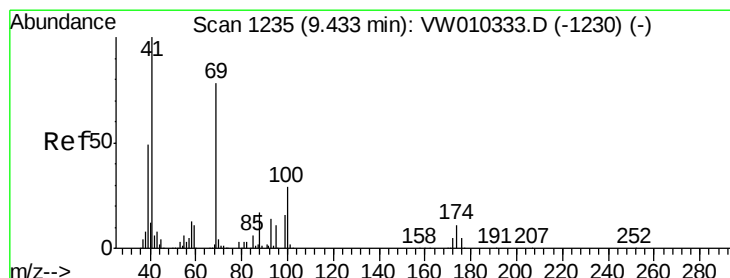
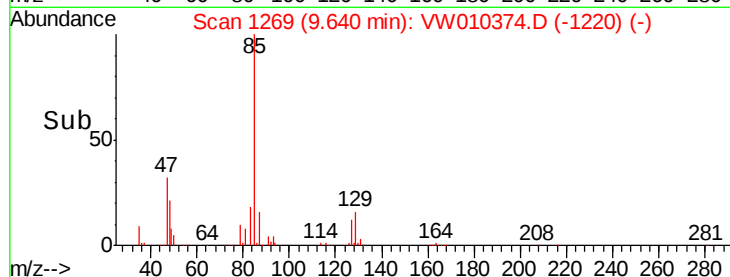
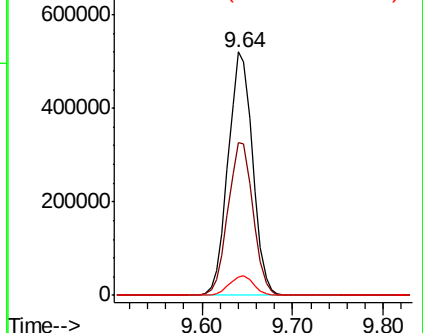
127 7.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 56.309 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

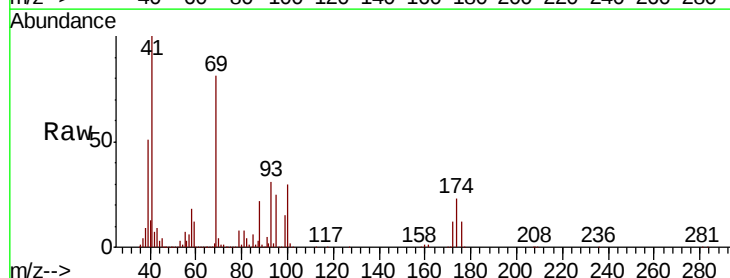
Tgt Ion: 41 Resp: 510178

Ion Ratio Lower Upper

41 100

69 84.3 60.1 90.1

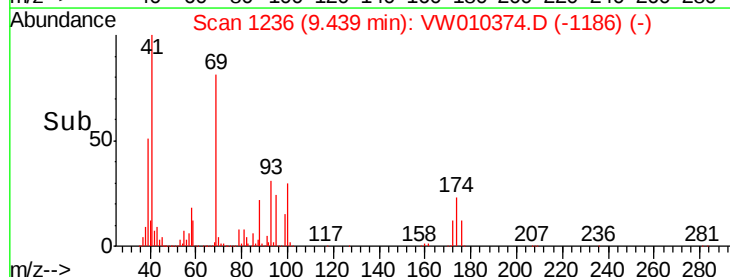
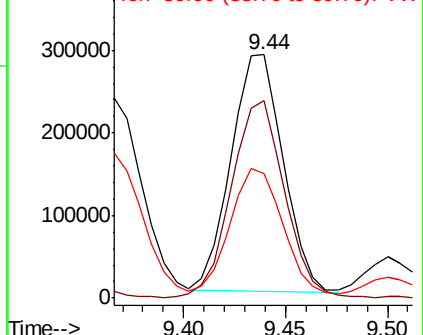
39 56.6 51.0 76.6

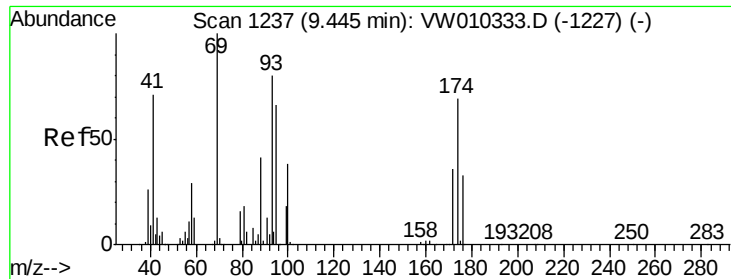


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1155.082 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

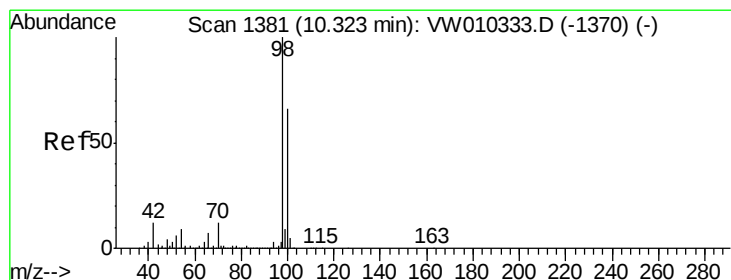
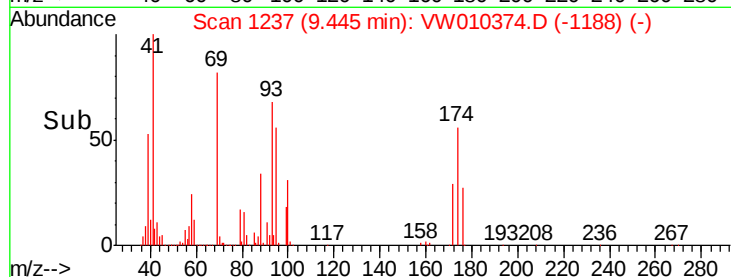
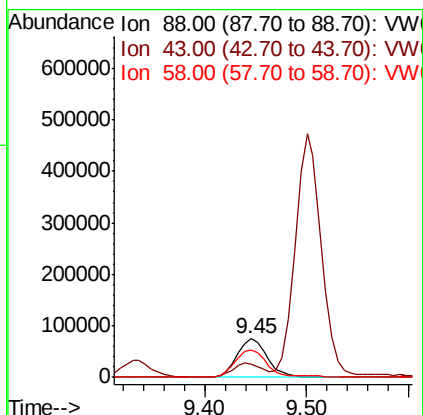
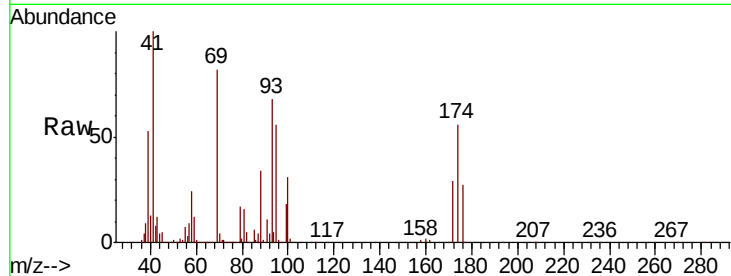
Tgt Ion: 88 Resp: 153727

Ion Ratio Lower Upper

88 100

43 34.2 31.9 47.9

58 78.3 61.8 92.6



#50

Toluene-d8

Concen: 54.159 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010374.D

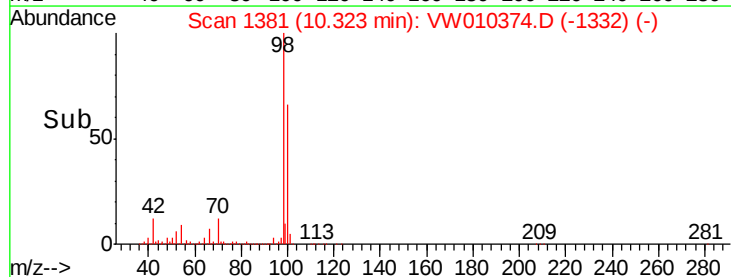
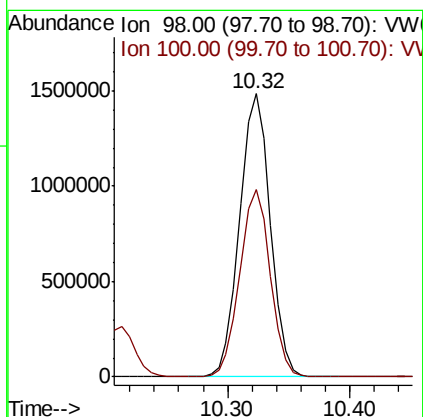
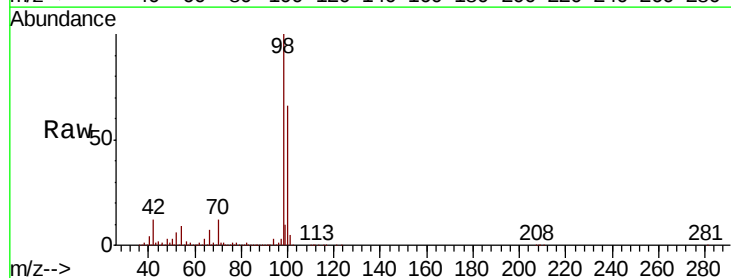
Acq: 10 May 2019 23:43

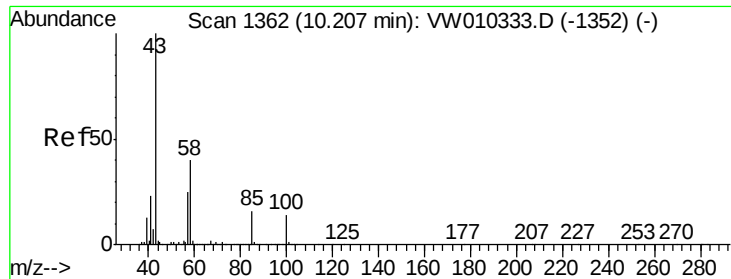
Tgt Ion: 98 Resp: 2582879

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5

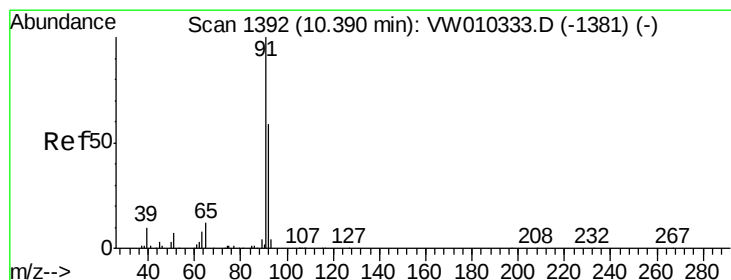
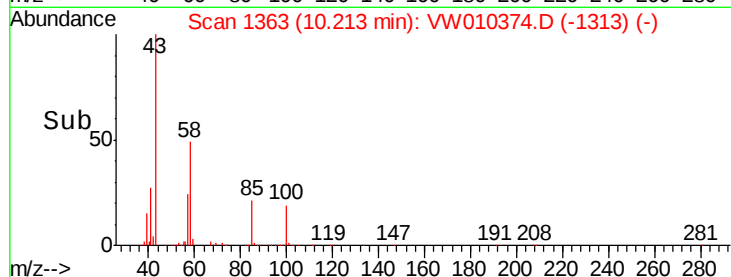
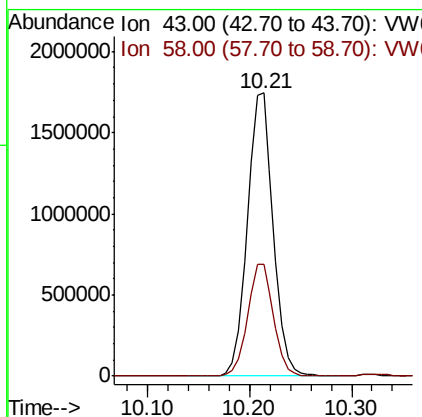
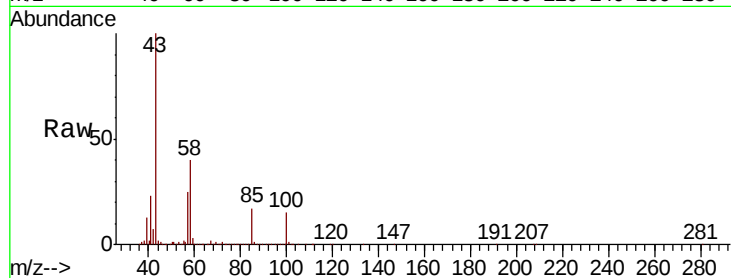




#51
 4-Methyl-2-Pentanone
 Concen: 279.530 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

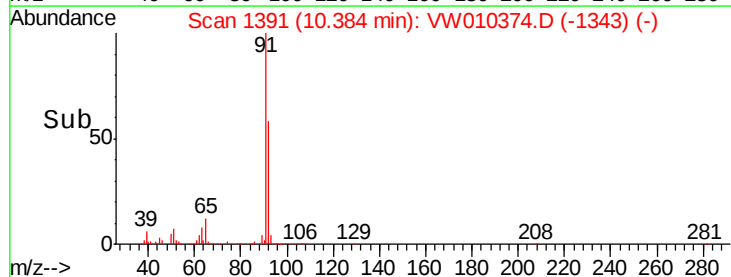
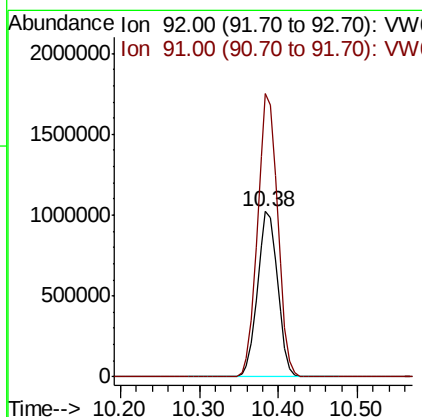
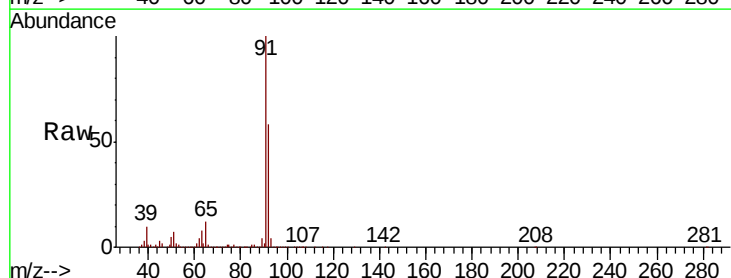
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

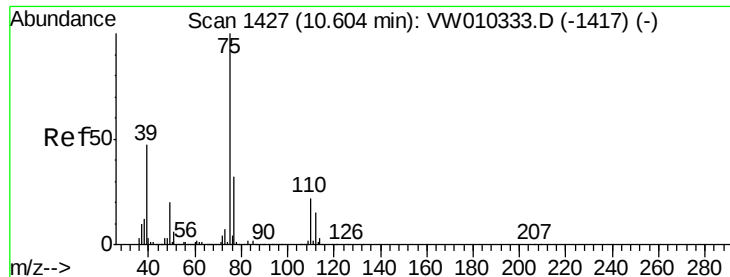
Tgt Ion: 43 Resp: 3071370
 Ion Ratio Lower Upper
 43 100
 58 39.6 28.9 43.3



#52
 Toluene
 Concen: 50.011 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion: 92 Resp: 1816608
 Ion Ratio Lower Upper
 92 100
 91 171.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 52.790 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

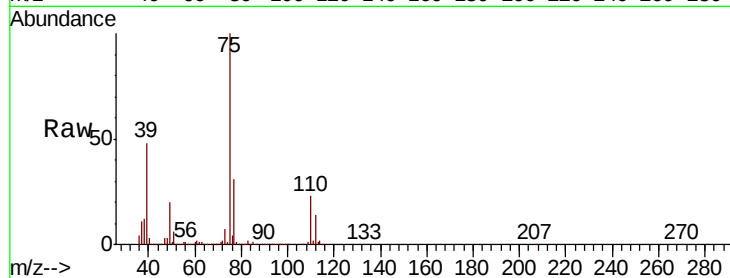
VSTDCCC050EC

Tgt Ion: 75 Resp: 978877

Ion Ratio Lower Upper

75 100

77 31.0 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

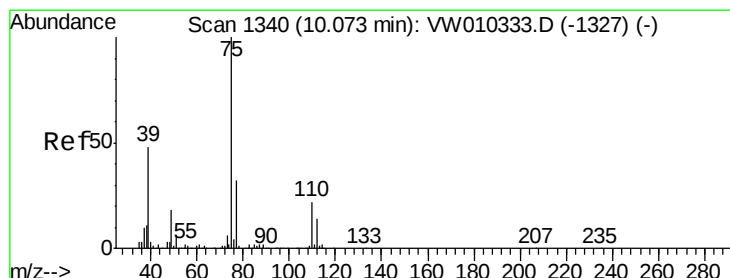
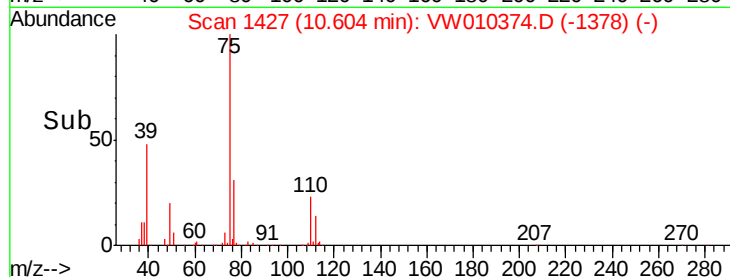
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.229 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

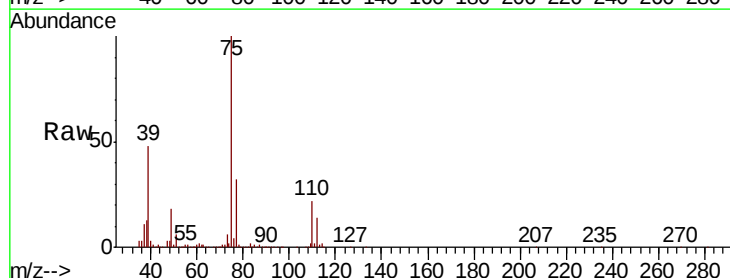
Tgt Ion: 75 Resp: 1146958

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 48.2 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

800000

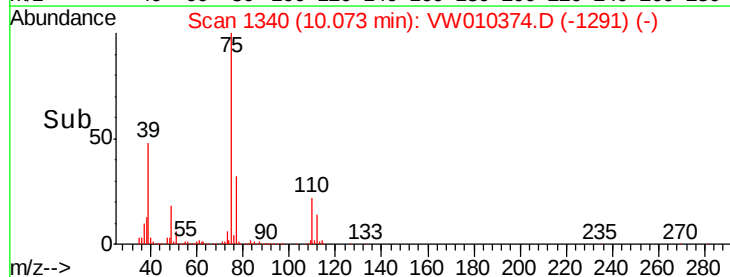
600000

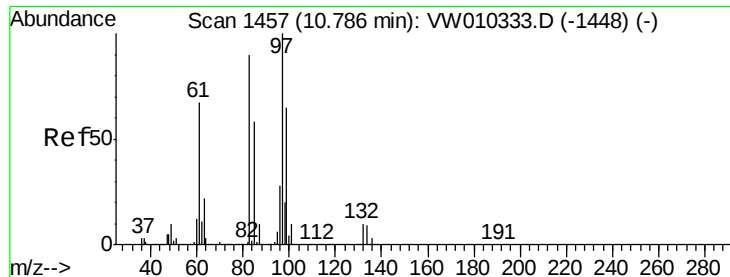
400000

200000

0

Time-->

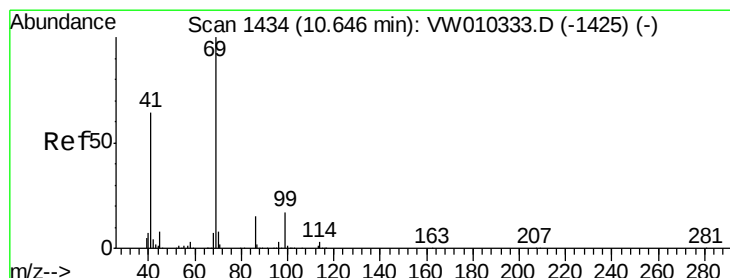
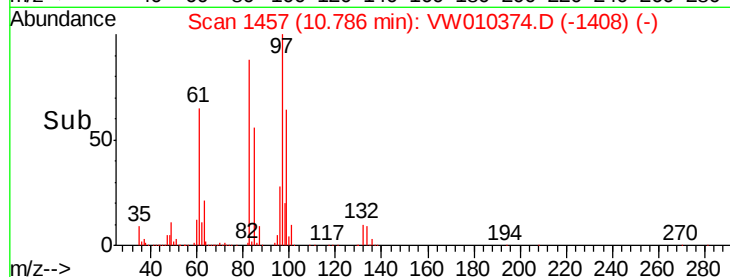
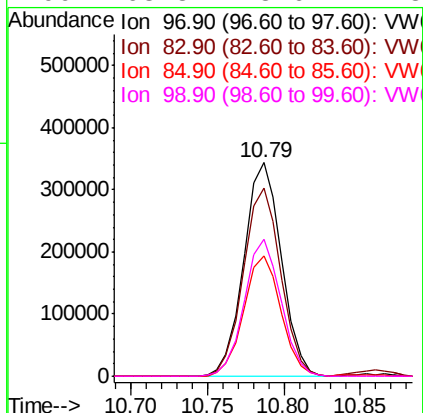
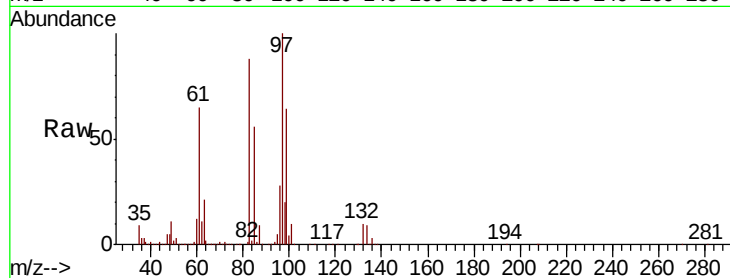




#55
 1,1,2-Trichloroethane
 Concen: 54.133 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

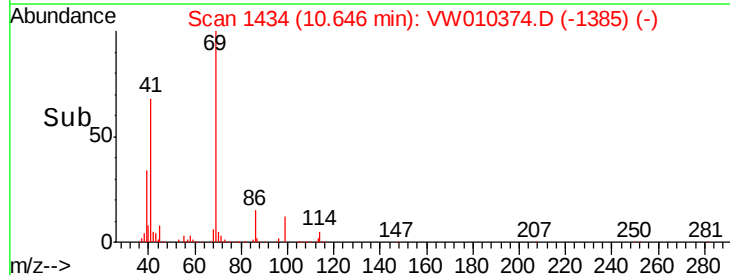
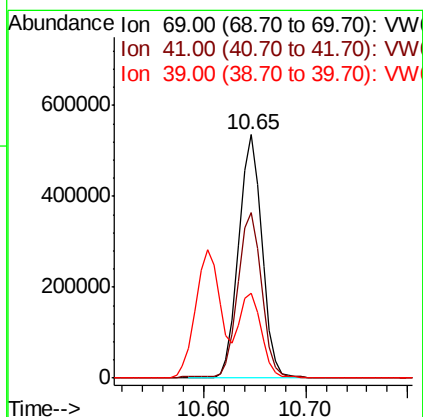
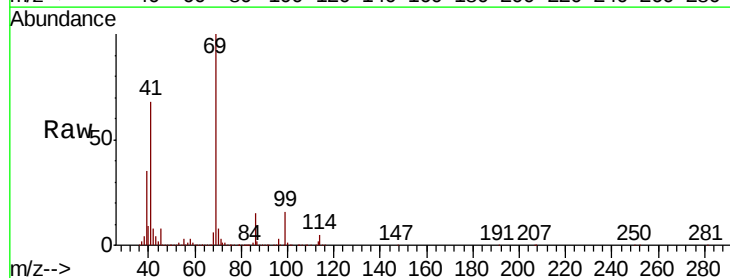
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

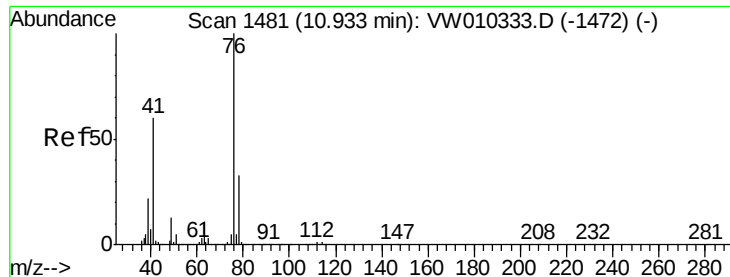
Tgt Ion:	97	Resp:	586769
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.9	103.3
85	56.5	42.9	64.3
99	63.8	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 58.969 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion:	69	Resp:	844068
Ion	Ratio	Lower	Upper
69	100		
41	68.8	61.0	91.6
39	32.7	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 54.954 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

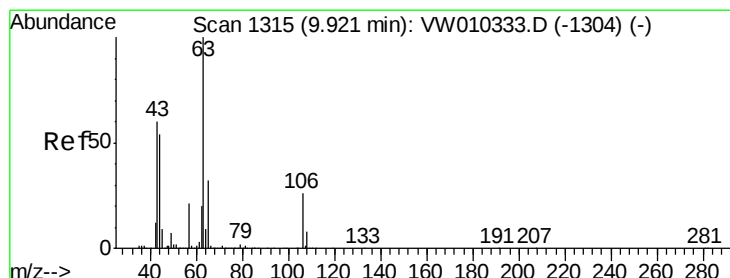
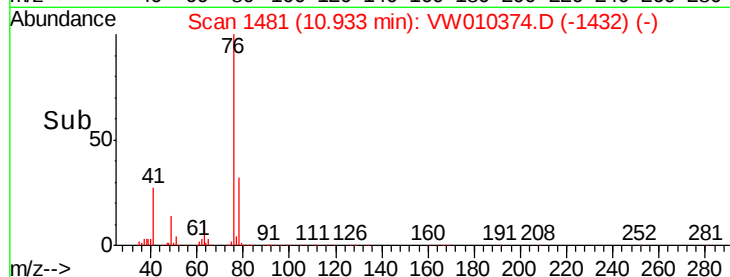
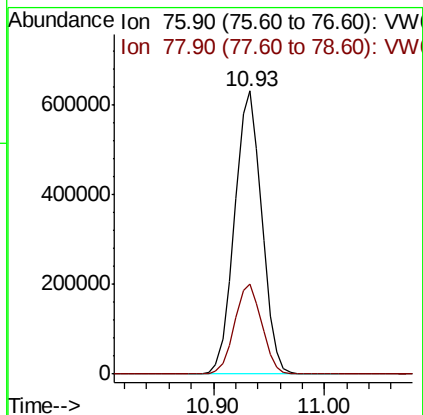
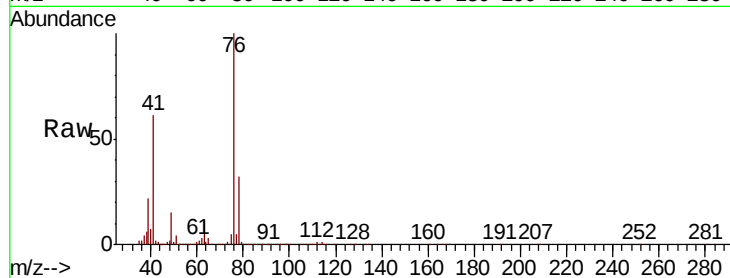
VSTDCCC050EC

Tgt Ion: 76 Resp: 1064874

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 287.203 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010374.D

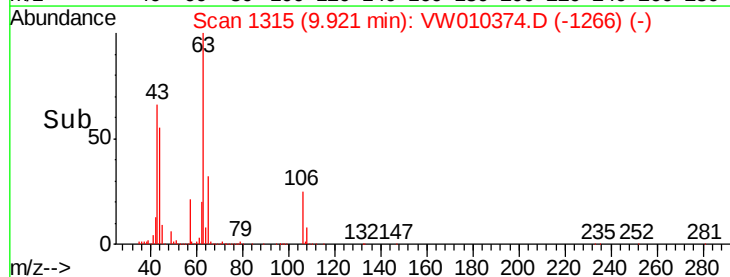
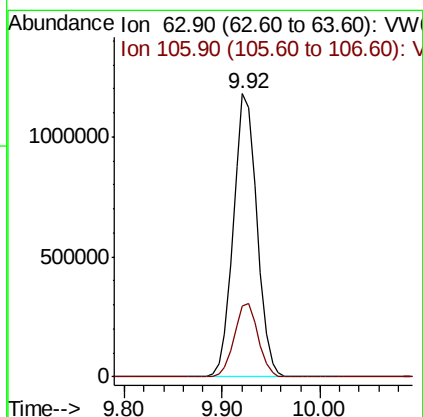
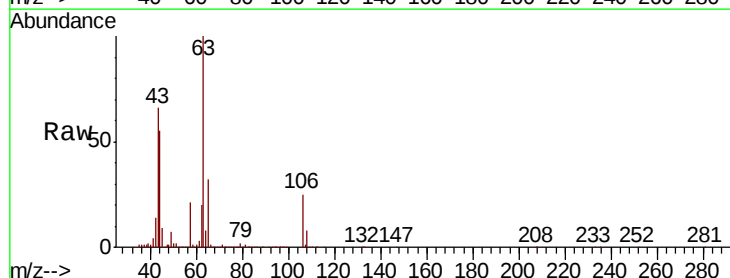
Acq: 10 May 2019 23:43

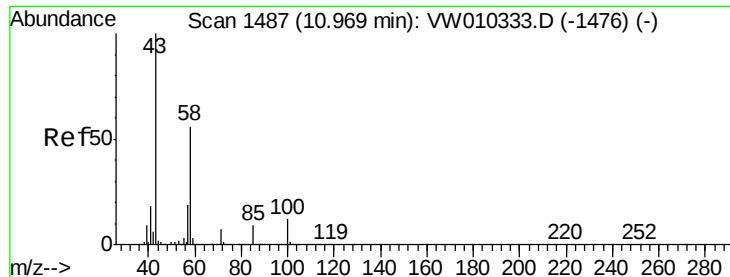
Tgt Ion: 63 Resp: 1968264

Ion Ratio Lower Upper

63 100

106 26.4 21.4 32.0

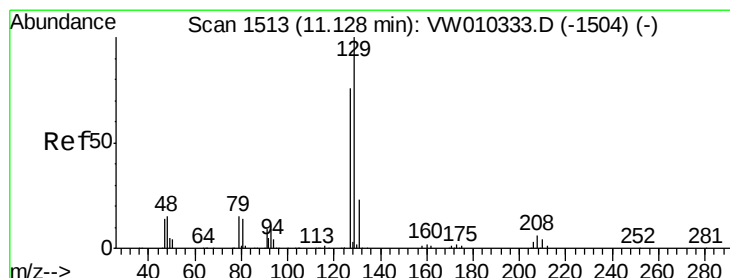
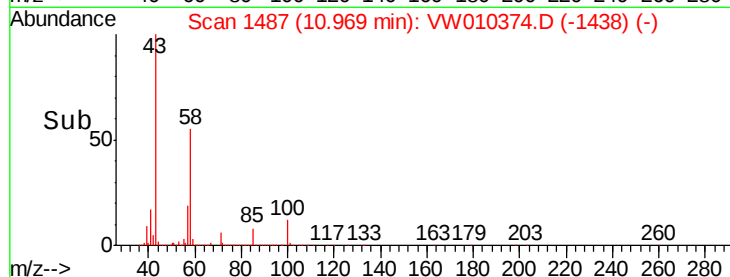
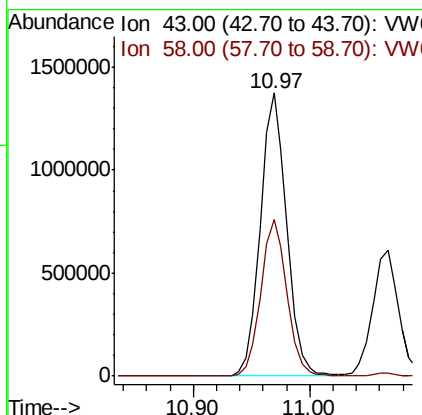
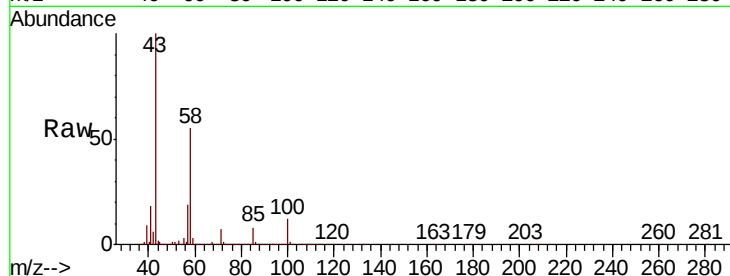




#59
2-Hexanone
Concen: 277.871 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

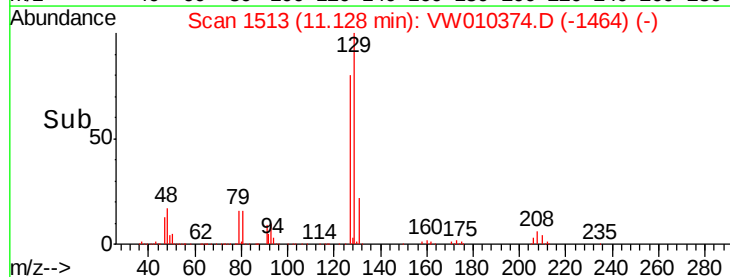
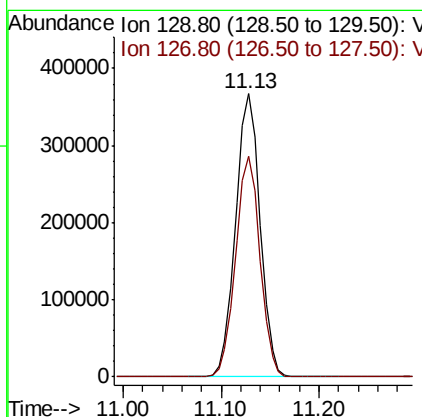
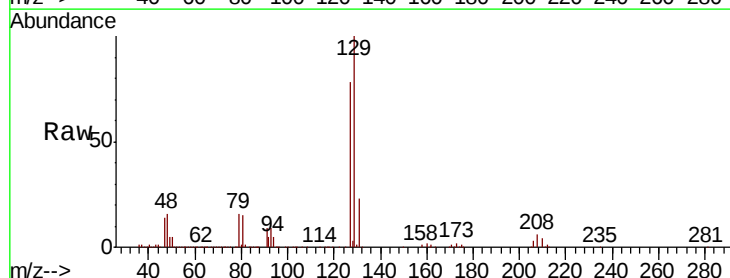
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

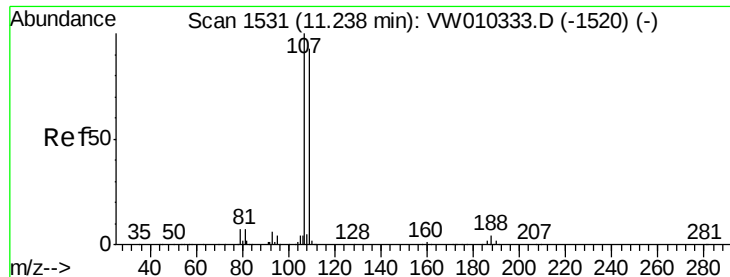
Tgt Ion: 43 Resp: 2158681
Ion Ratio Lower Upper
43 100
58 54.9 24.9 74.7



#60
Dibromochloromethane
Concen: 54.764 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 129 Resp: 638759
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

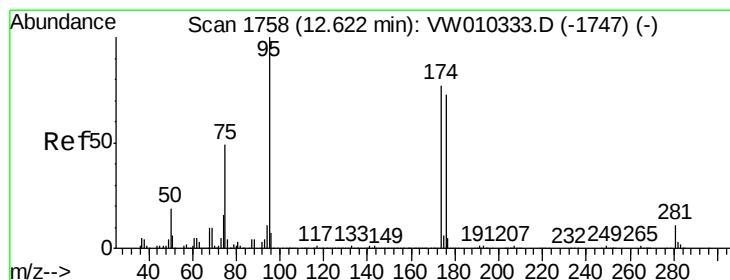
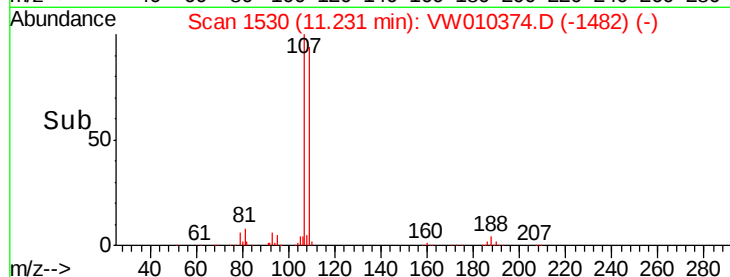
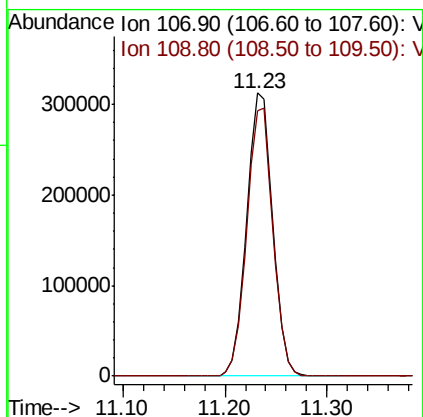
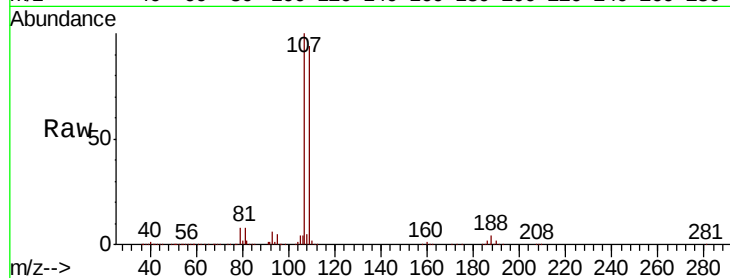




#61
 1,2-Dibromoethane
 Concen: 53.558 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

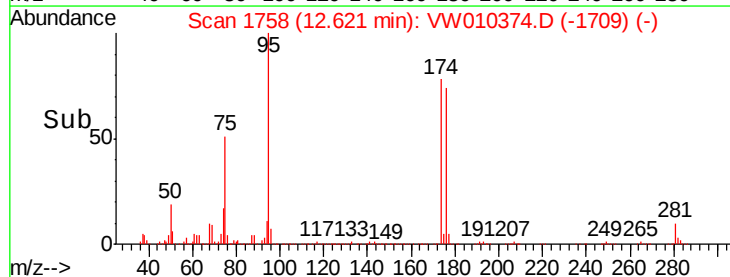
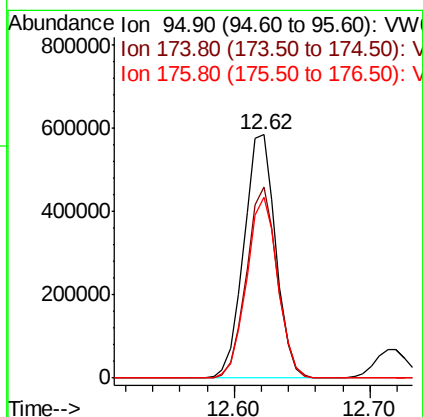
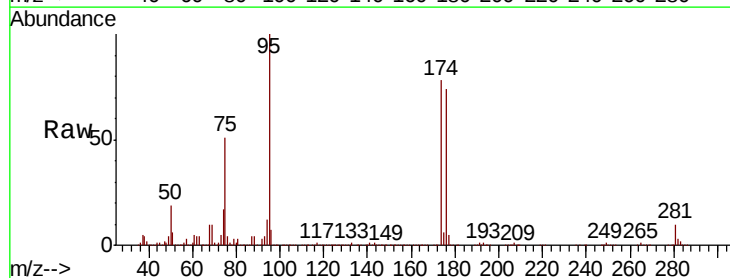
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

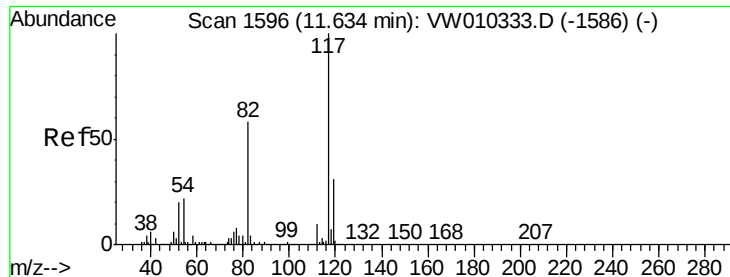
Tgt Ion: 107 Resp: 557291
 Ion Ratio Lower Upper
 107 100
 109 95.1 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 56.771 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion: 95 Resp: 953033
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 151.4
 176 73.0 0.0 146.2

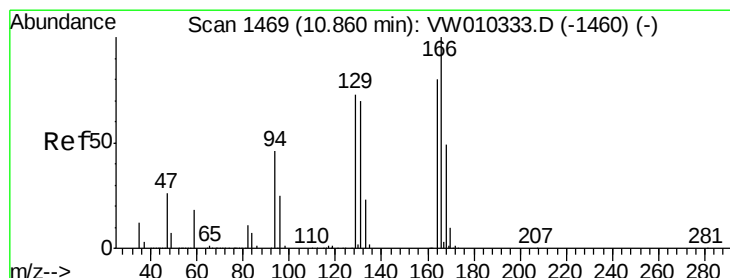
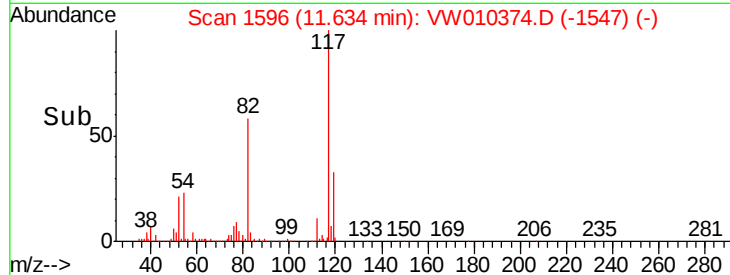
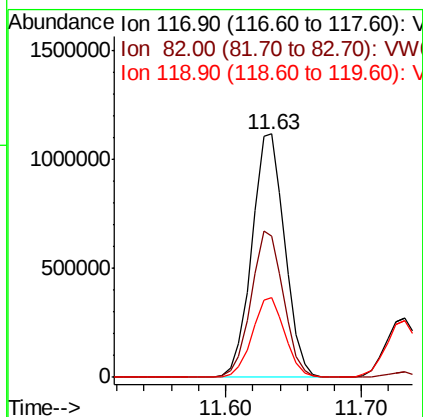
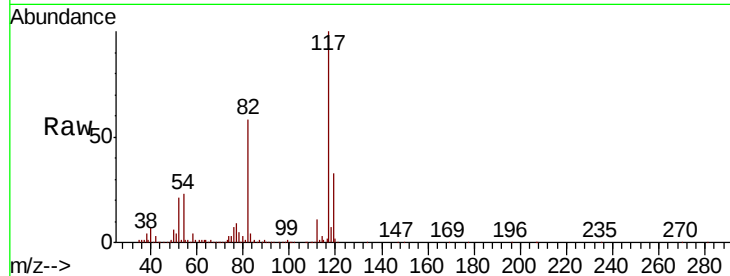




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

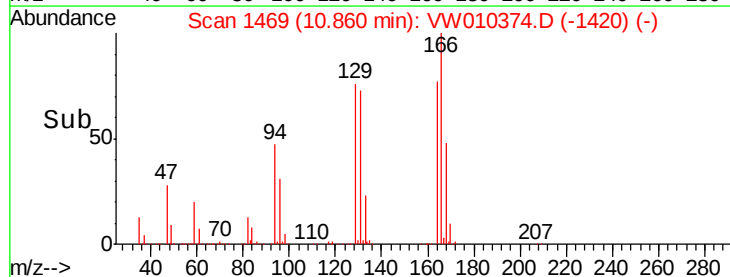
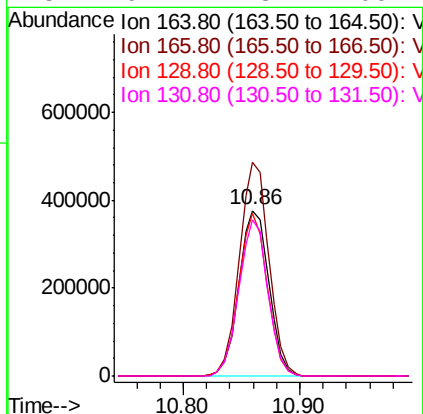
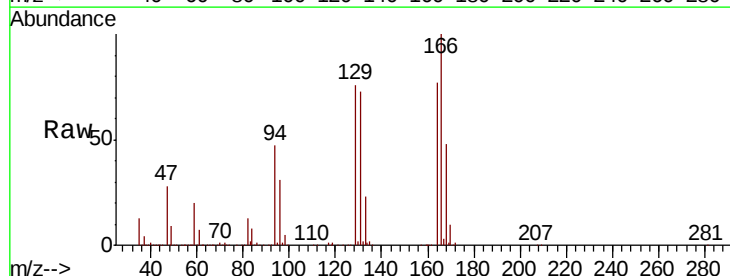
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

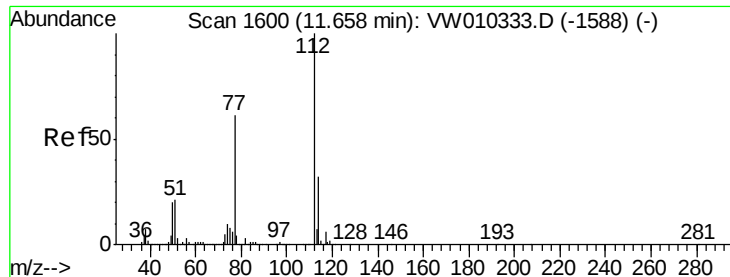
Tgt Ion:117 Resp: 1901800
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 50.707 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:164 Resp: 674015
Ion Ratio Lower Upper
164 100
166 129.1 101.2 151.8
129 98.6 77.8 116.6
131 94.4 73.1 109.7

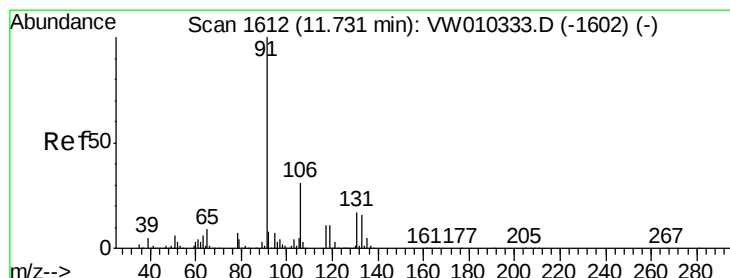
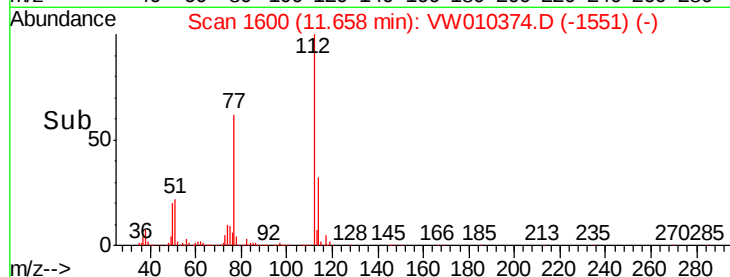
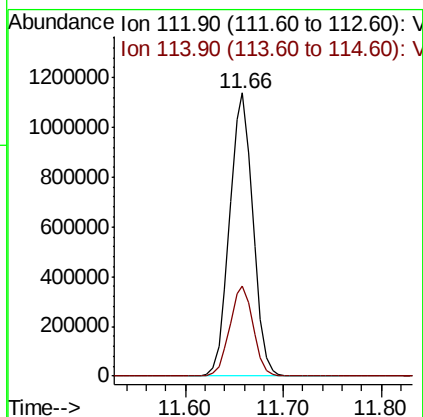
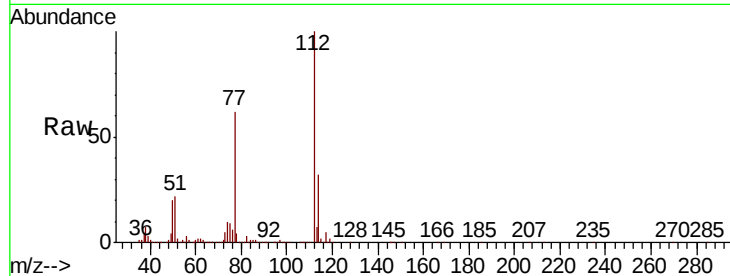




#65
Chlorobenzene
Concen: 47.660 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

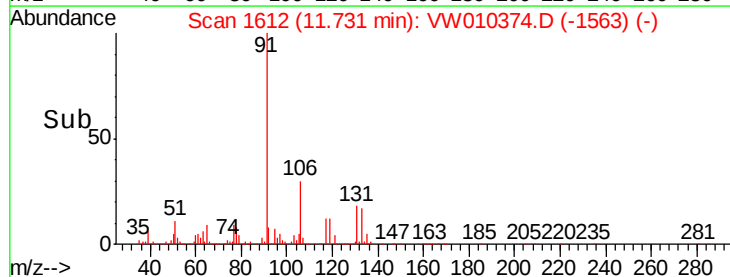
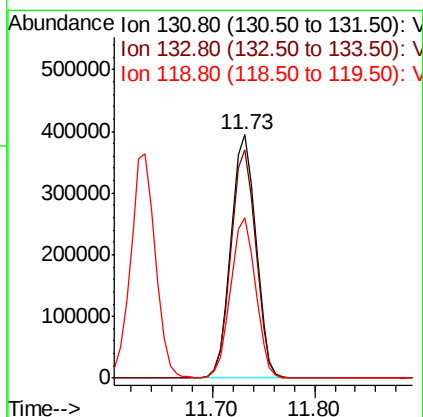
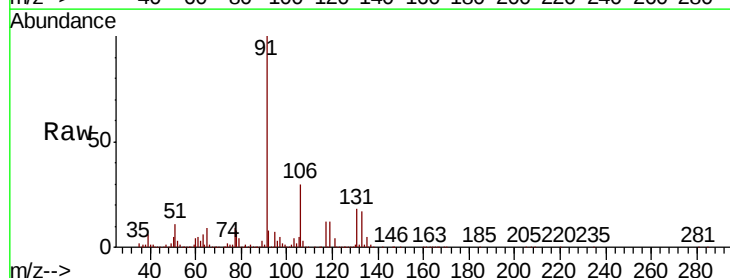
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

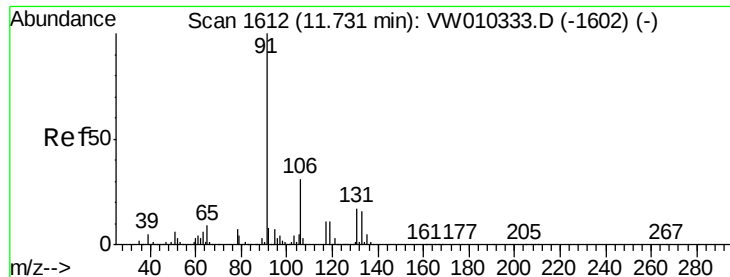
Tgt Ion:112 Resp: 1876288
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.895 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:131 Resp: 663905
Ion Ratio Lower Upper
131 100
133 94.3 46.5 139.5
119 66.1 31.9 95.5

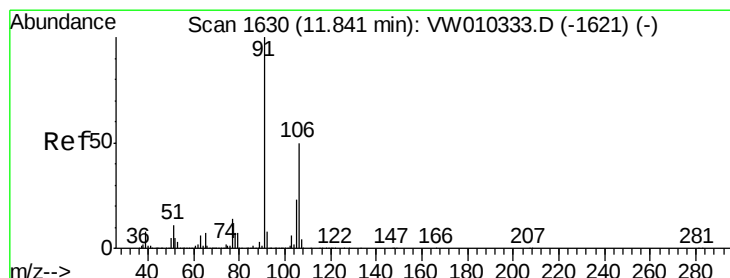
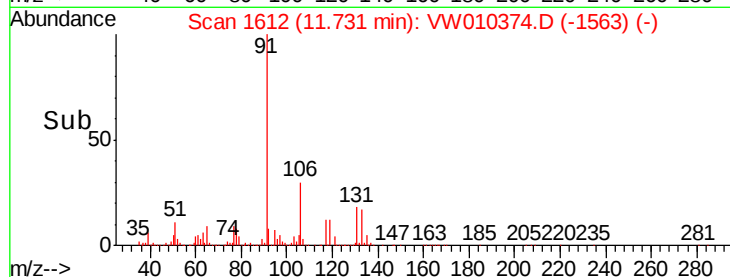
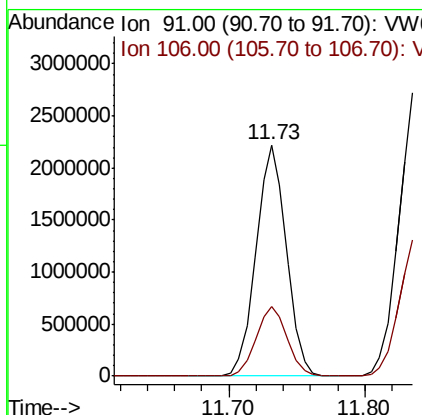
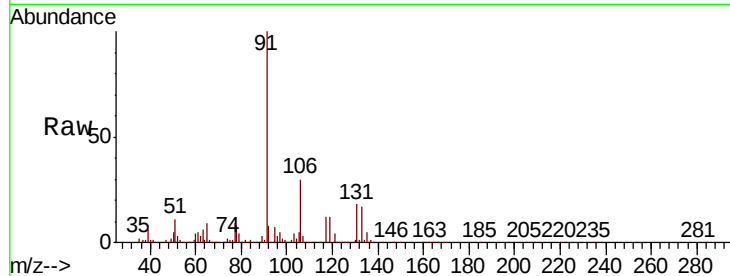




#67
Ethyl Benzene
Concen: 47.971 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

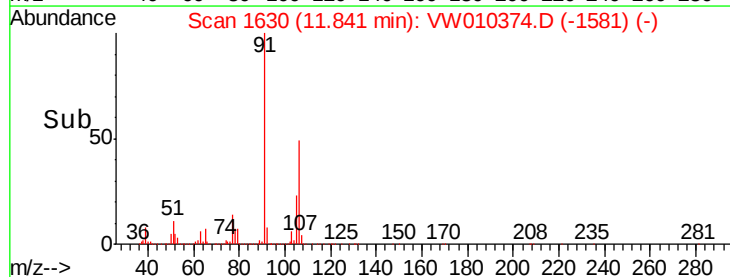
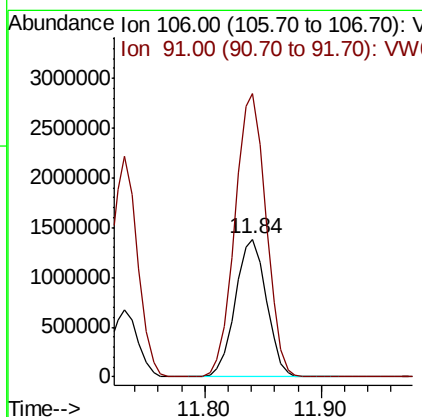
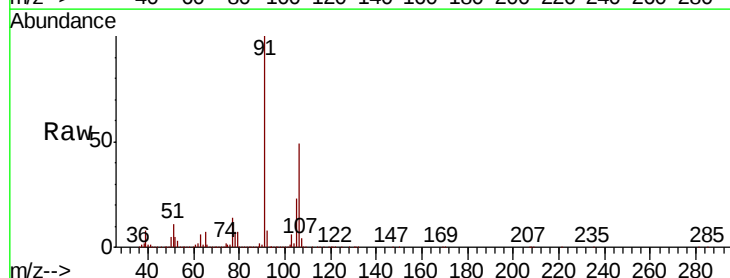
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

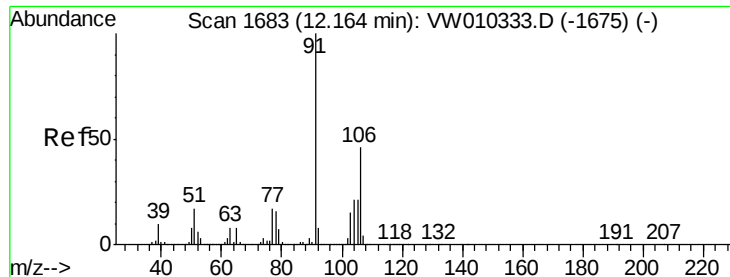
Tgt Ion: 91 Resp: 3474158
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8



#68
m/p-Xylenes
Concen: 95.882 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 106 Resp: 2580020
Ion Ratio Lower Upper
106 100
91 206.2 165.0 247.6

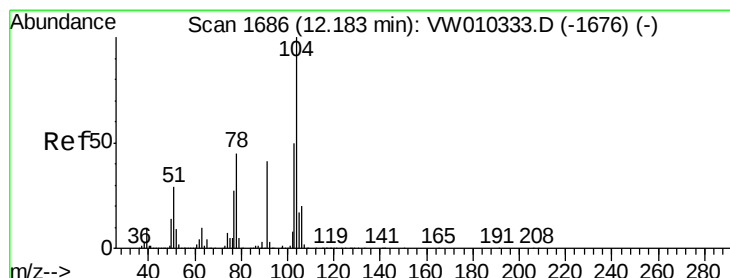
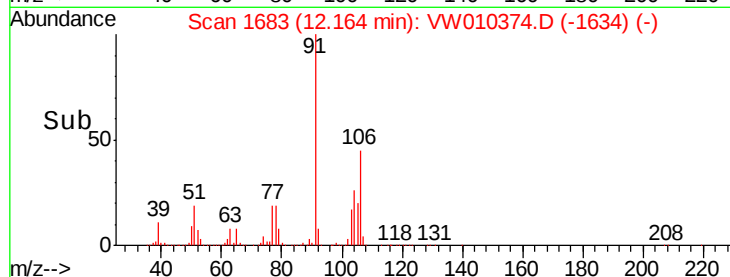
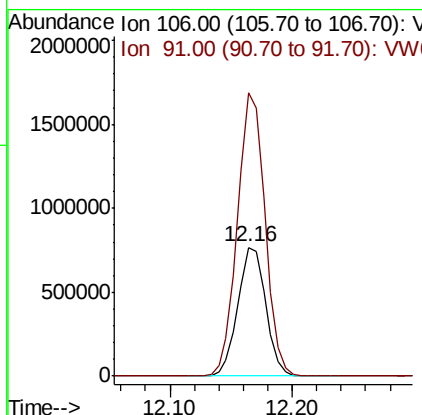
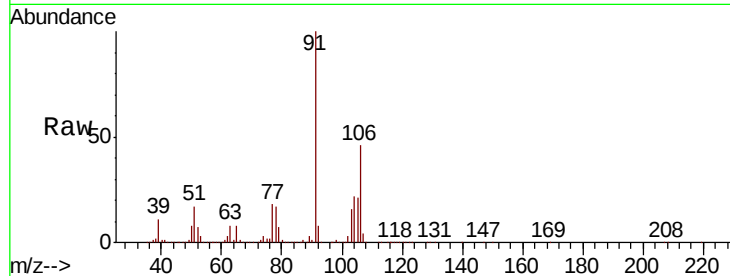




#69
o-Xylene
Concen: 49.818 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

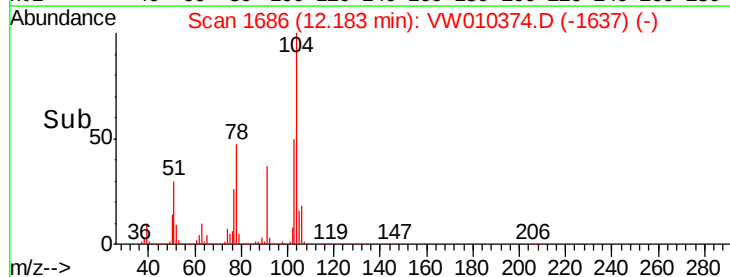
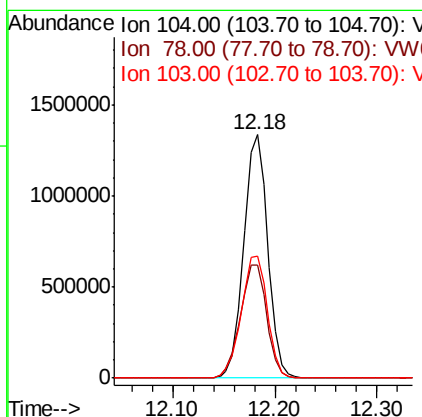
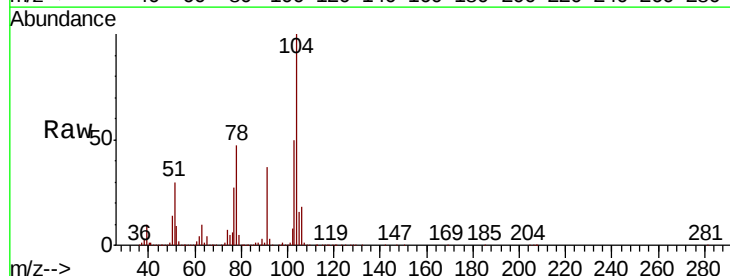
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

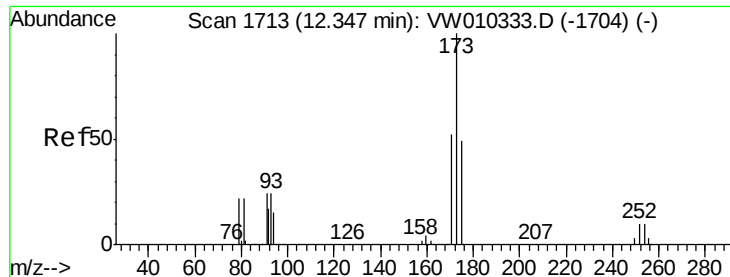
Tgt Ion:106 Resp: 1212633
Ion Ratio Lower Upper
106 100
91 217.3 110.5 331.4



#70
Styrene
Concen: 51.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:104 Resp: 2181695
Ion Ratio Lower Upper
104 100
78 51.4 42.5 63.7
103 54.6 43.6 65.4

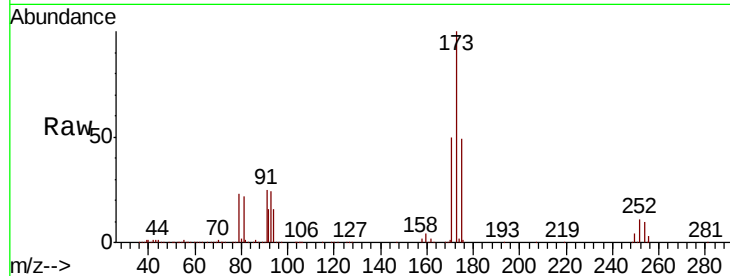




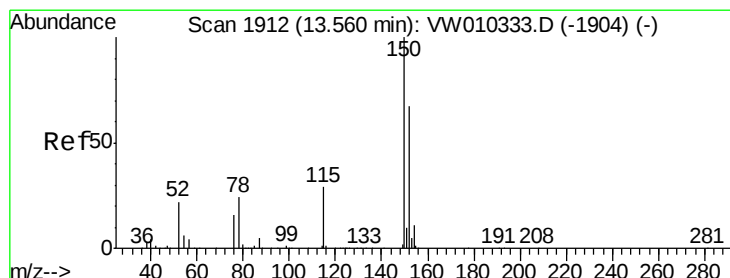
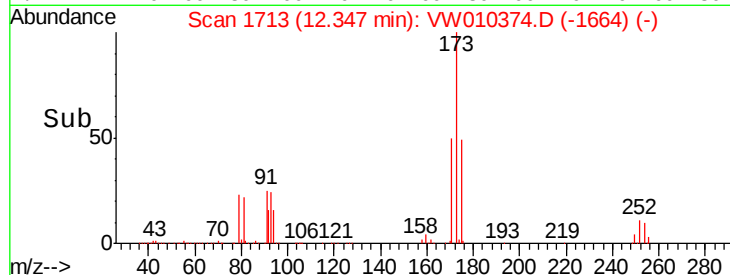
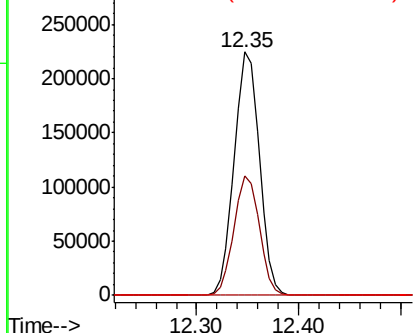
#71
Bromoform
Concen: 50.472 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 383906
Ion Ratio Lower Upper
173 100
175 49.3 23.8 71.4
254 0.0 0.1 0.1#

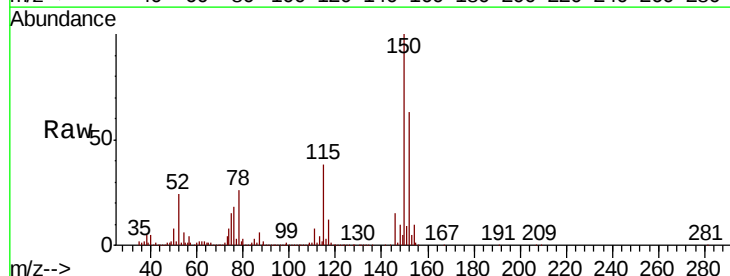


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

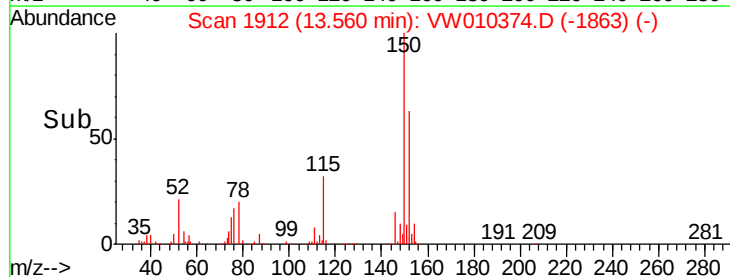
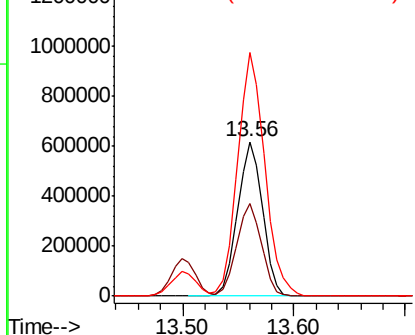


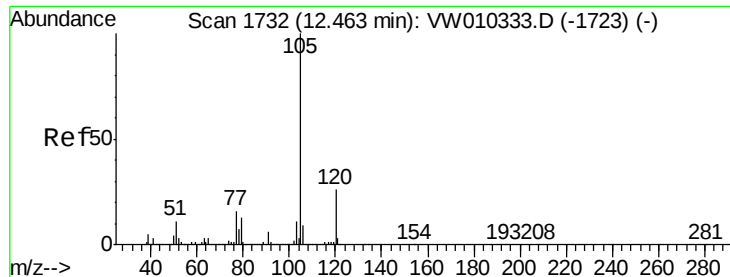
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:152 Resp: 958760
Ion Ratio Lower Upper
152 100
115 59.2 30.4 91.2
150 171.6 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: 47.288 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

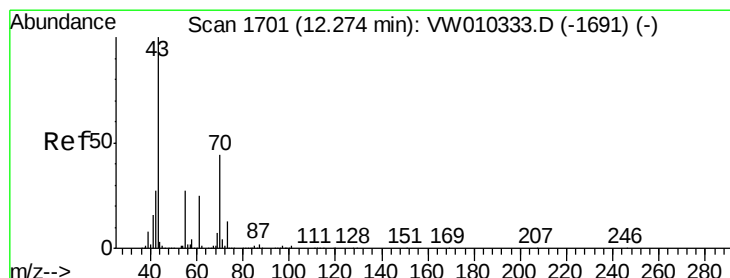
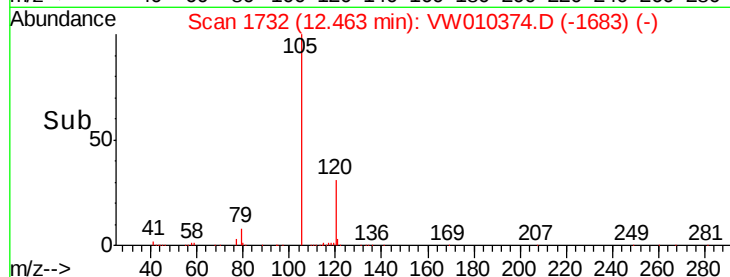
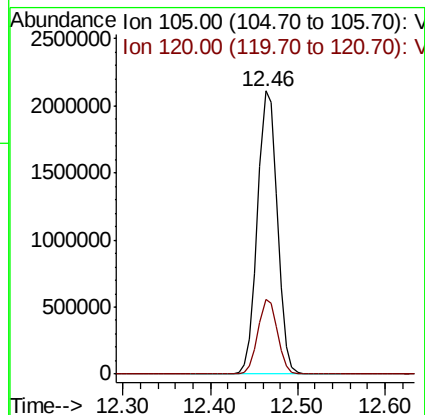
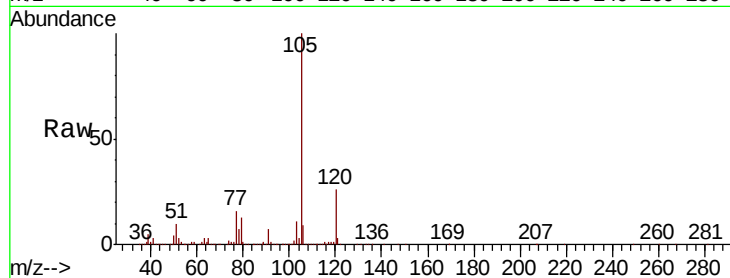
VSTDCCC050EC

Tgt Ion:105 Resp: 3304690

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 54.416 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion: 43 Resp: 982456

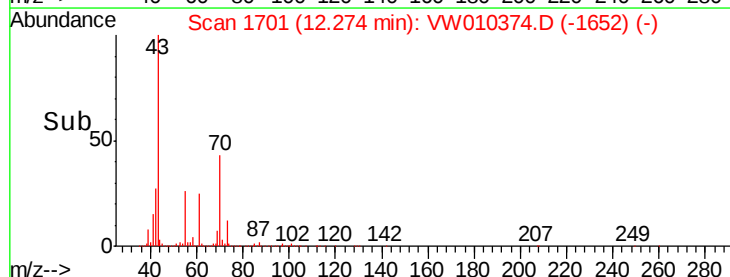
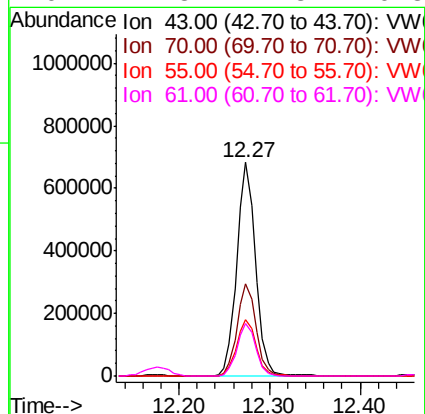
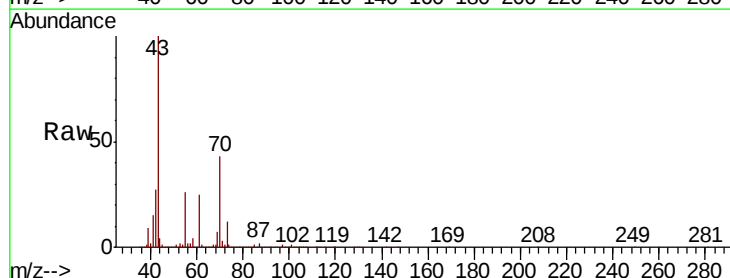
Ion Ratio Lower Upper

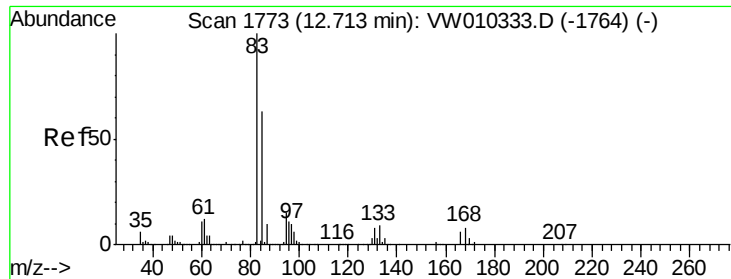
43 100

70 43.8 31.3 46.9

55 27.4 20.0 30.0

61 24.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.054 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

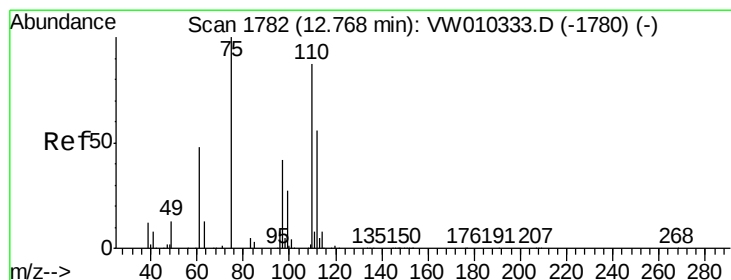
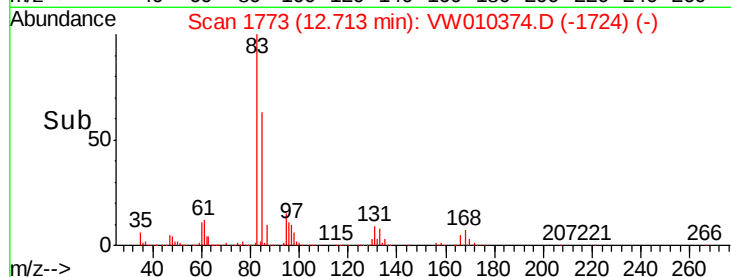
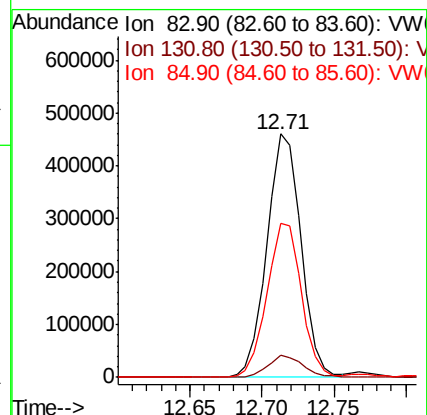
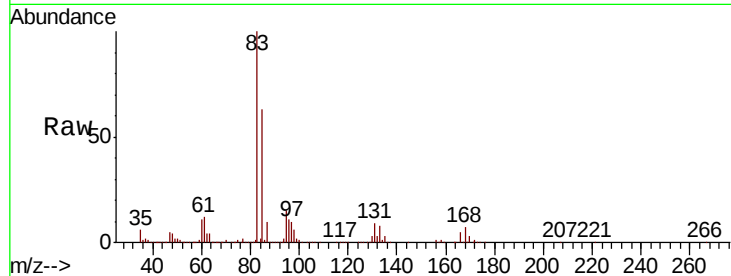
Tgt Ion: 83 Resp: 755333

Ion Ratio Lower Upper

83 100

131 9.5 5.3 15.8

85 64.0 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 84.834 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010374.D

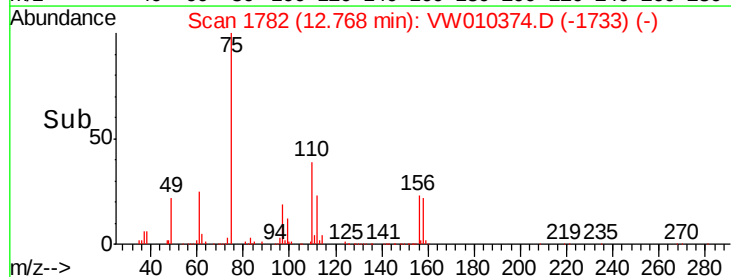
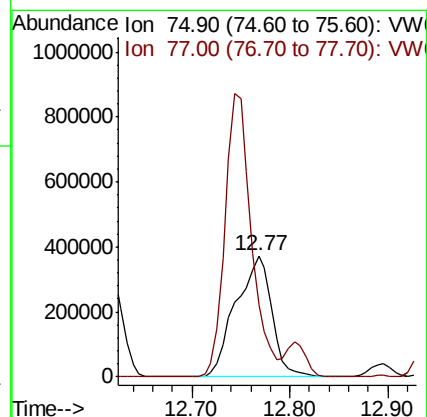
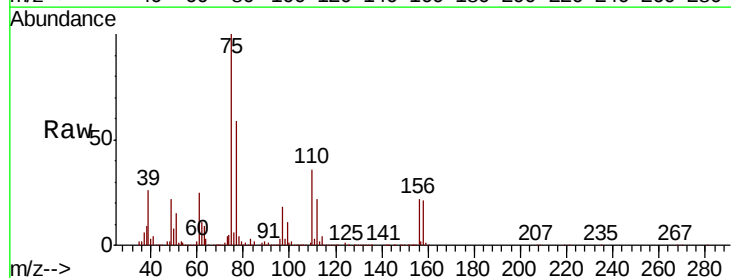
Acq: 10 May 2019 23:43

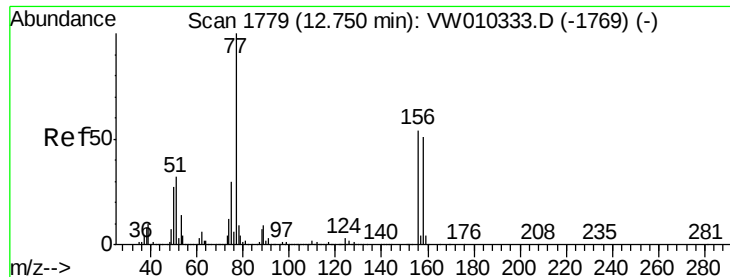
Tgt Ion: 75 Resp: 948300

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

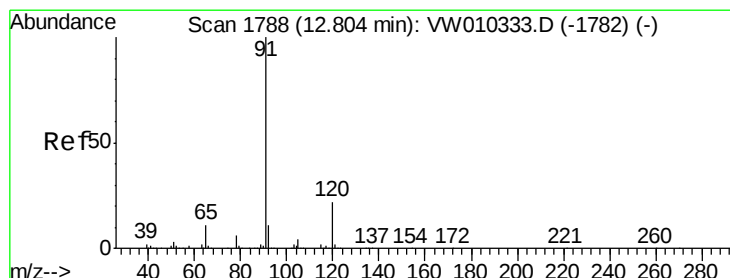
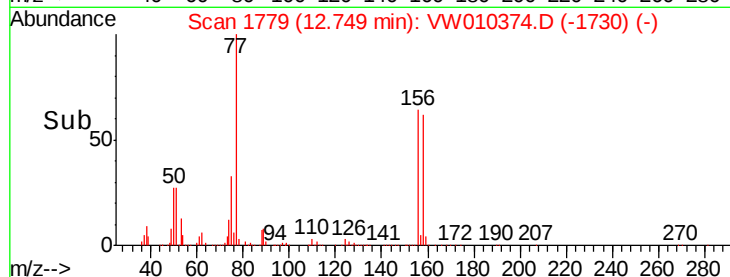
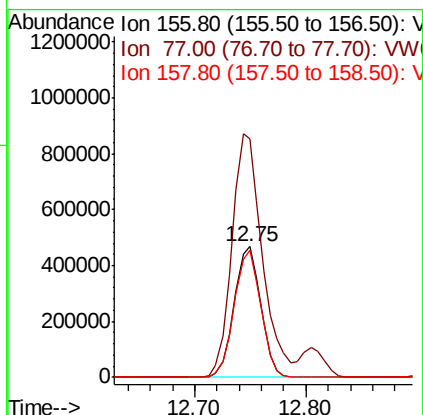
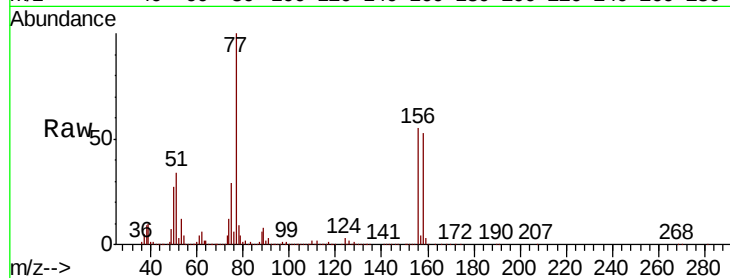




#77
Bromobenzene
Concen: 48.960 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

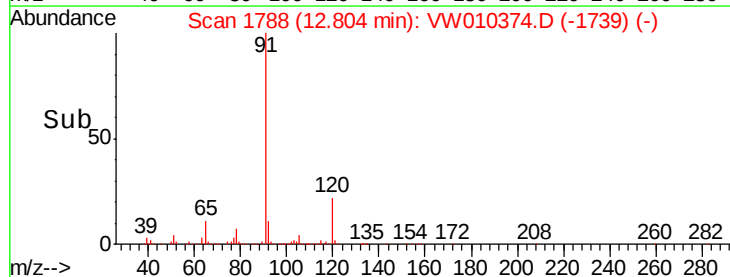
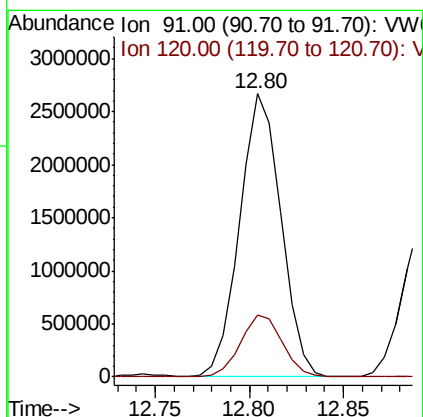
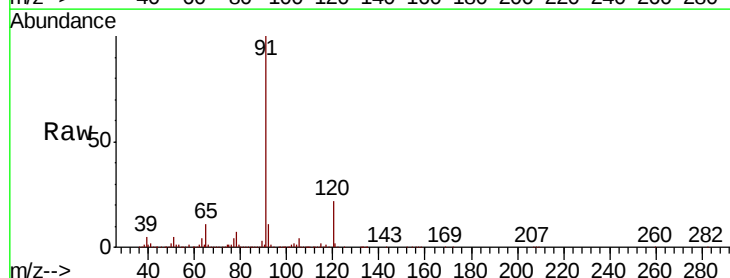
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

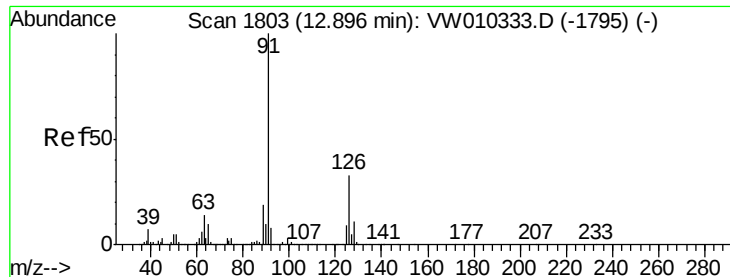
Tgt Ion: 156 Resp: 772555
Ion Ratio Lower Upper
156 100
77 211.7 102.5 307.4
158 97.0 48.8 146.4



#78
n-propylbenzene
Concen: 46.920 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 91 Resp: 4049823
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1





#79

2-Chlorotoluene

Concen: 47.599 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

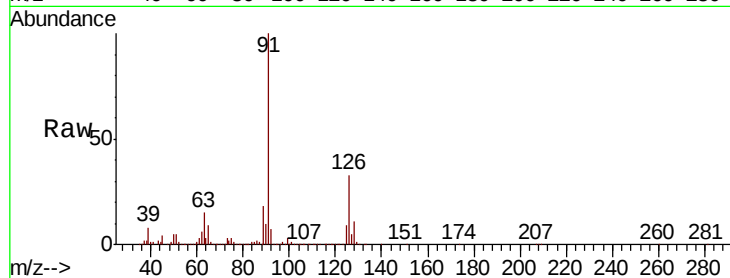
VSTDCCC050EC

Tgt Ion: 91 Resp: 2339685

Ion Ratio Lower Upper

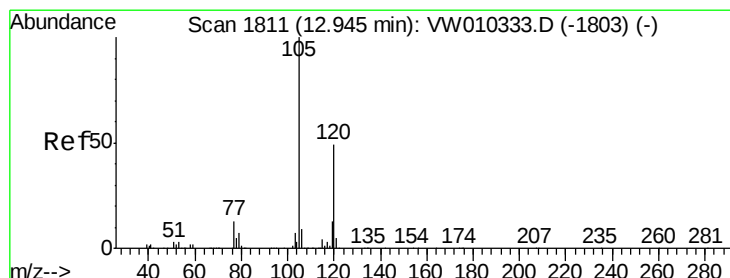
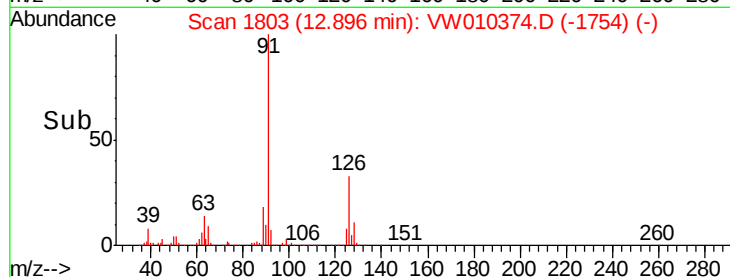
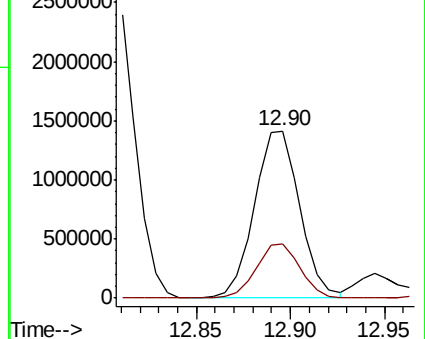
91 100

126 31.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.496 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010374.D

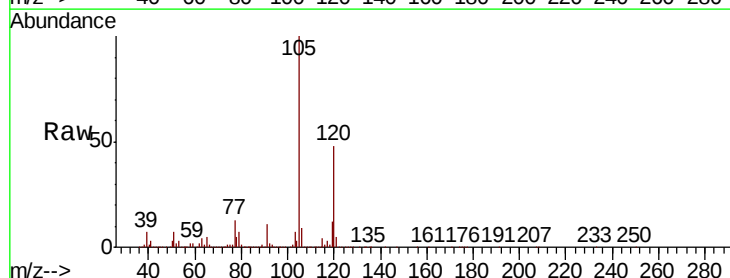
Acq: 10 May 2019 23:43

Tgt Ion: 105 Resp: 2857185

Ion Ratio Lower Upper

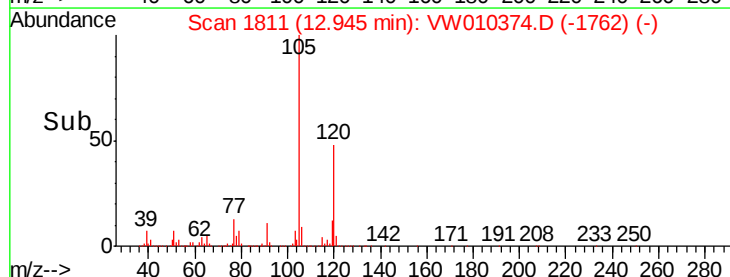
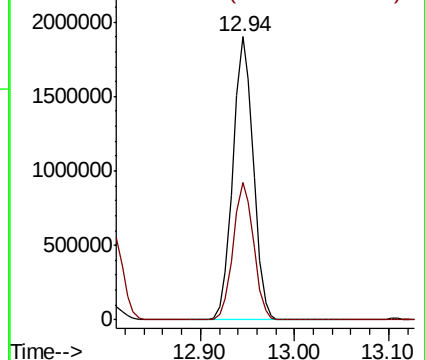
105 100

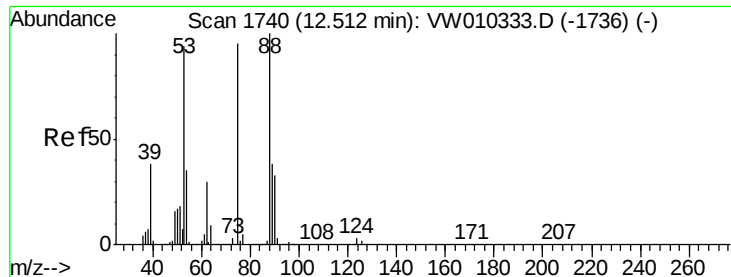
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.611 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

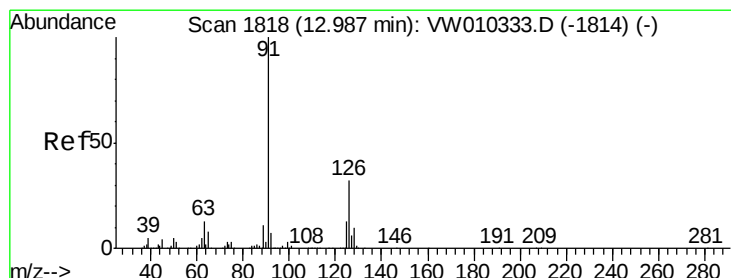
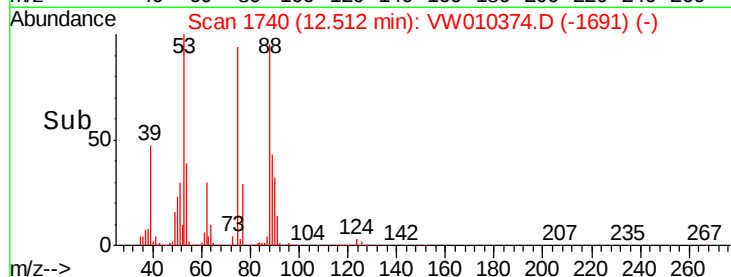
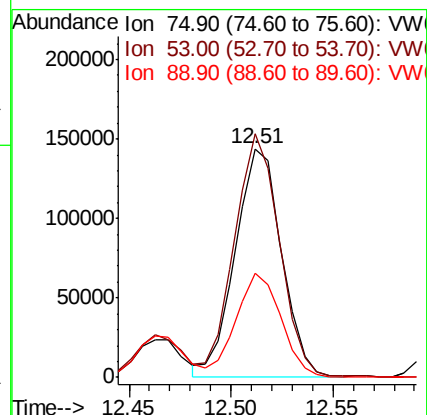
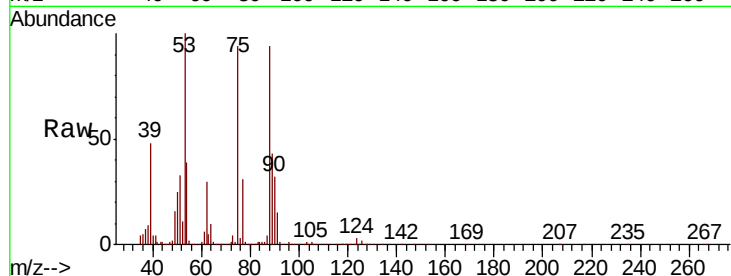
Tgt Ion: 75 Resp: 225767

Ion Ratio Lower Upper

75 100

53 103.8 89.8 134.8

89 44.3 36.6 54.8



#82

4-Chlorotoluene

Concen: 47.689 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW010374.D

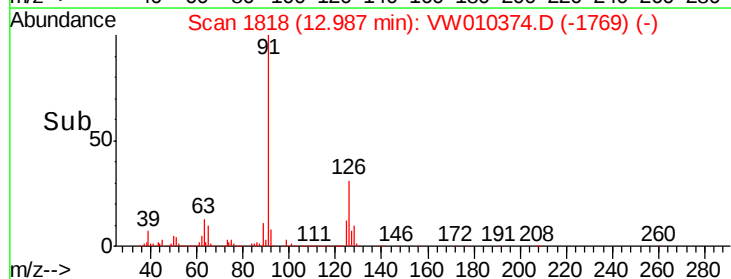
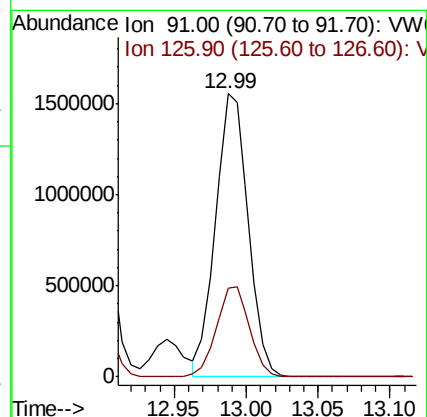
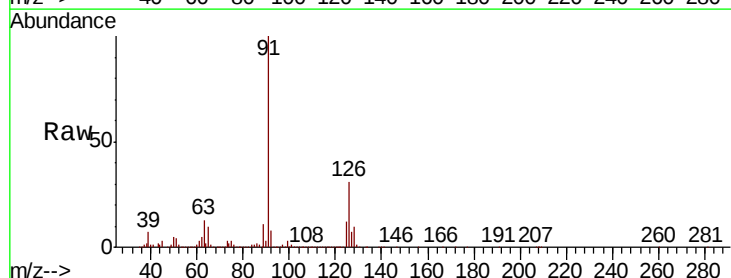
Acq: 10 May 2019 23:43

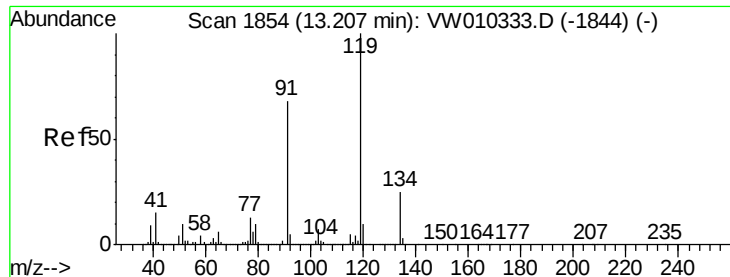
Tgt Ion: 91 Resp: 2456054

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





#83

tert-Butylbenzene

Concen: 47.186 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

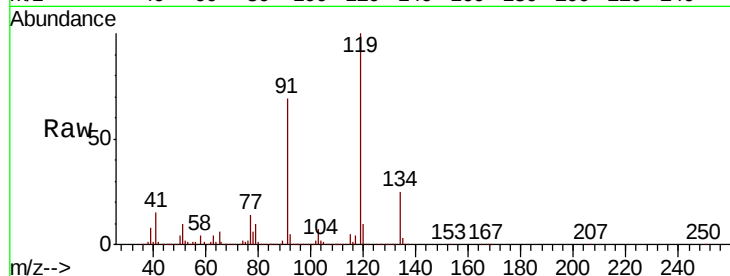
Tgt Ion:119 Resp: 2318782

Ion Ratio Lower Upper

119 100

91 68.7 34.8 104.4

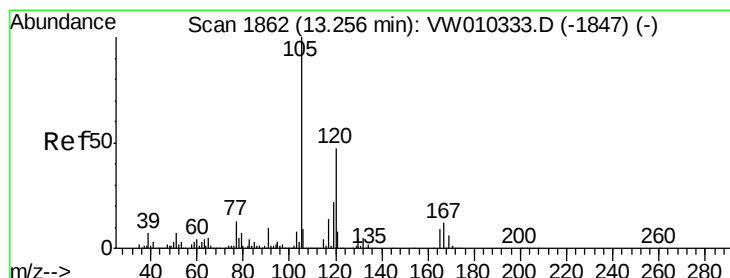
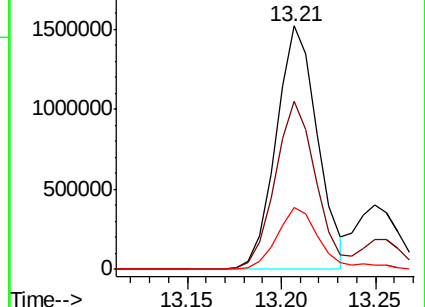
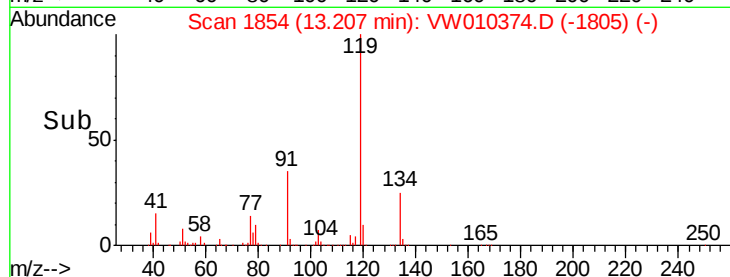
134 26.8 13.7 41.1



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: 49.300 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW010374.D

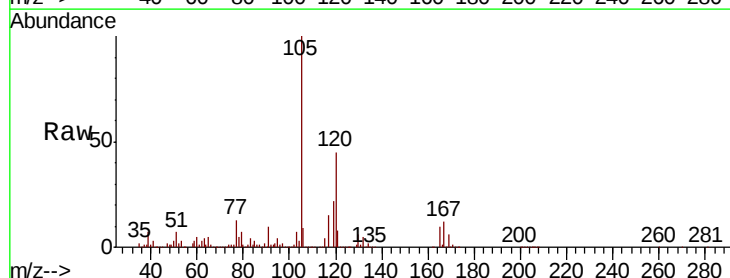
Acq: 10 May 2019 23:43

Tgt Ion:105 Resp: 2886271

Ion Ratio Lower Upper

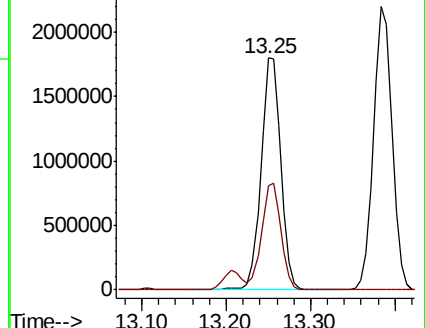
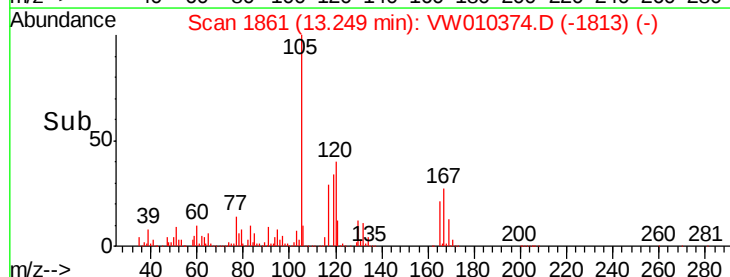
105 100

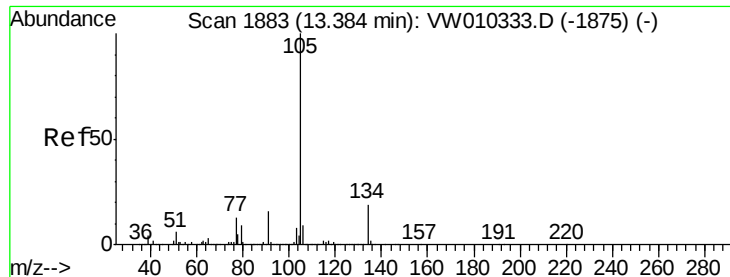
120 45.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

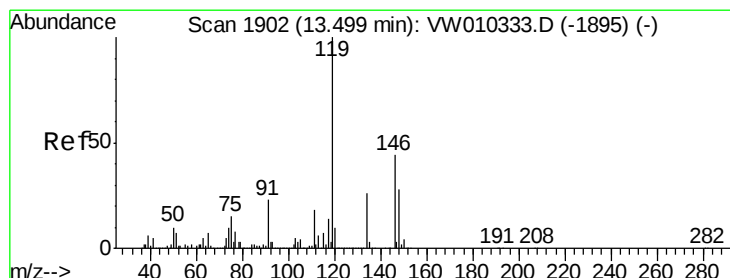
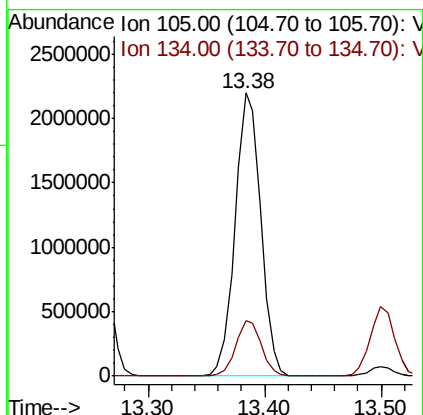
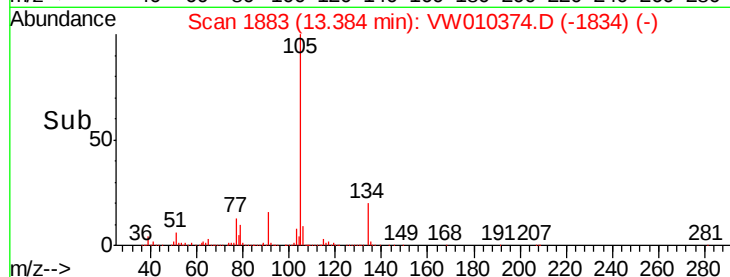
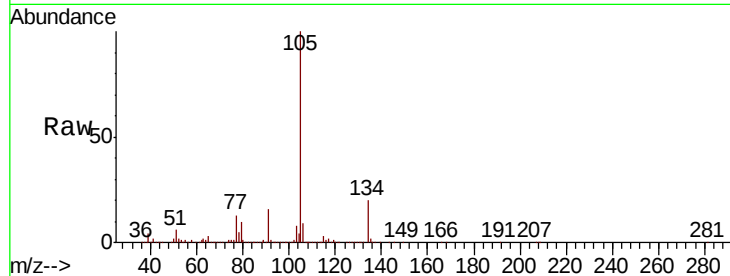




#85
 sec-Butylbenzene
 Concen: 46.406 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

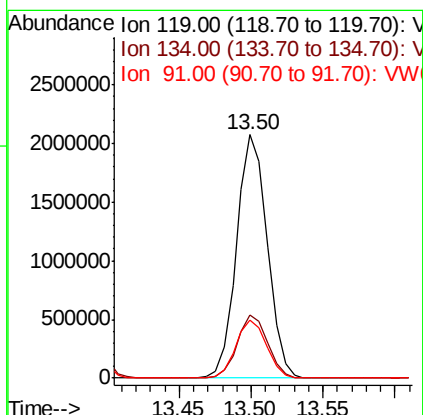
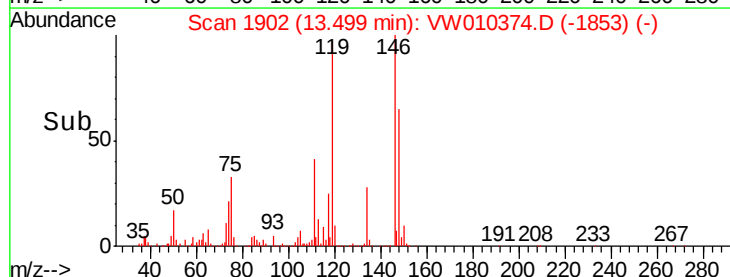
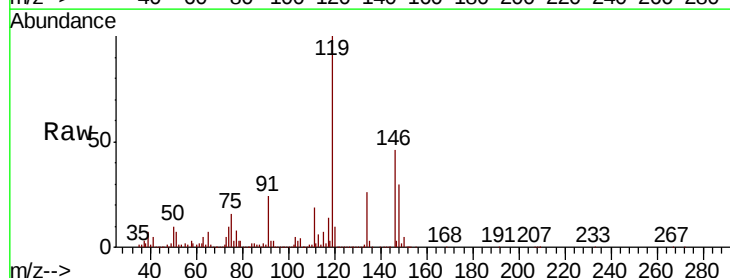
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

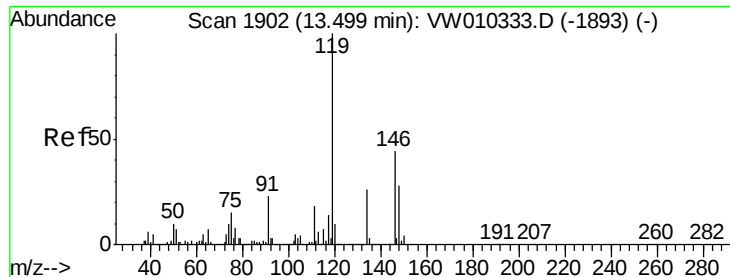
Tgt Ion:105 Resp: 3366477
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 47.543 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion:119 Resp: 3062273
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 23.9 12.3 36.9

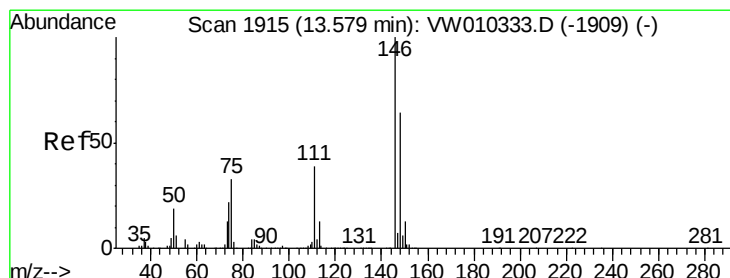
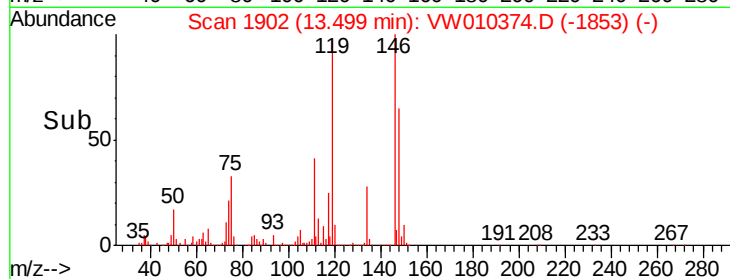
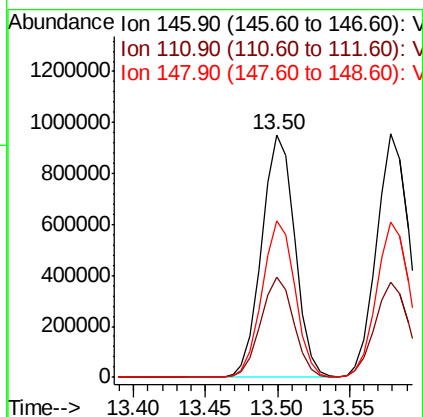
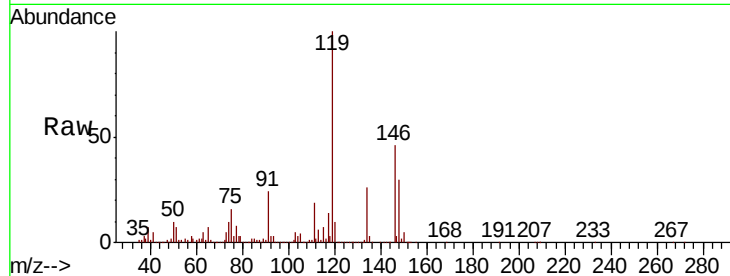




#87
 1,3-Dichlorobenzene
 Concen: 47.917 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

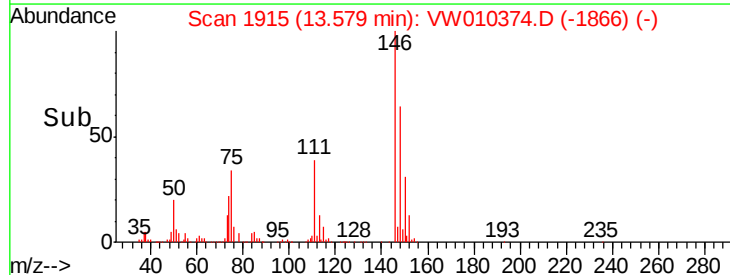
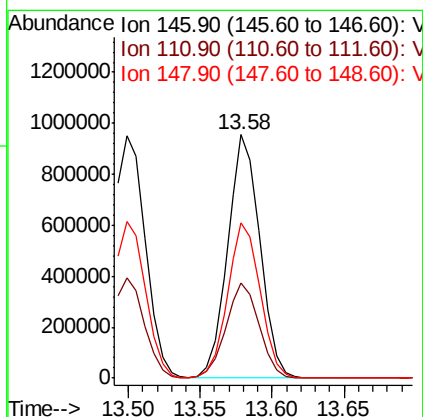
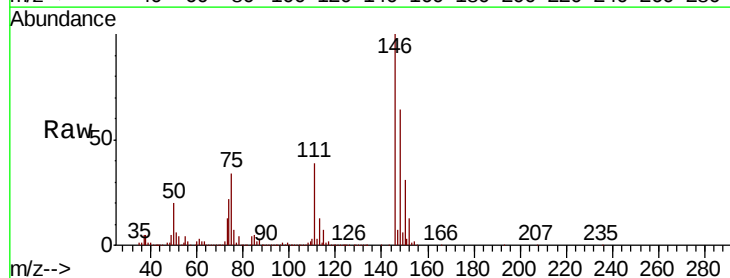
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

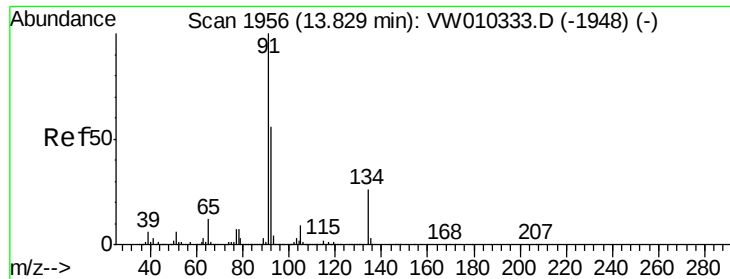
Tgt Ion:146 Resp: 1509826
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 61.0
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.715 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion:146 Resp: 1491997
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.3
 148 64.5 31.8 95.3





#89

n-Butylbenzene

Concen: 46.388 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

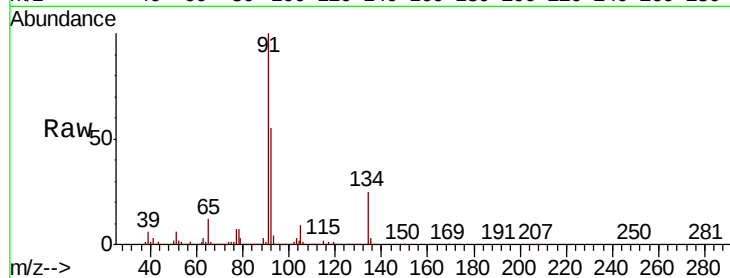
Tgt Ion: 91 Resp: 2995917

Ion Ratio Lower Upper

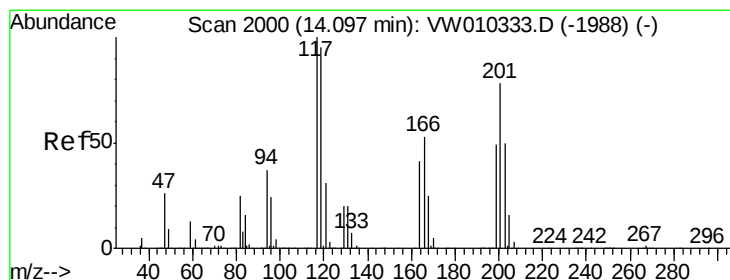
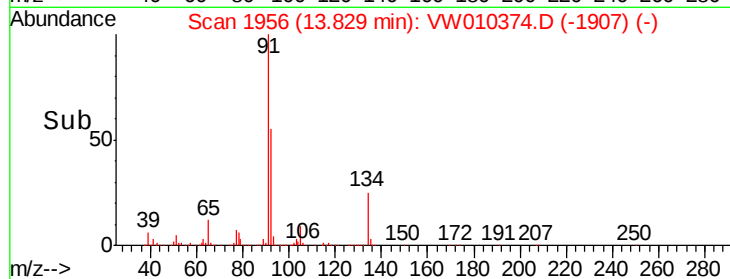
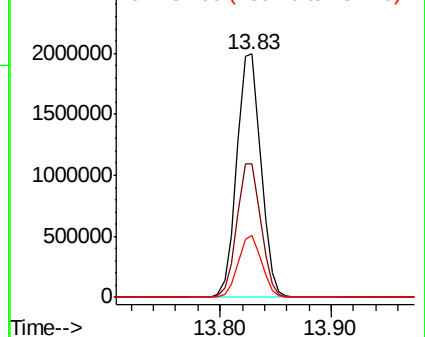
91 100

92 54.8 26.5 79.4

134 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.694 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010374.D

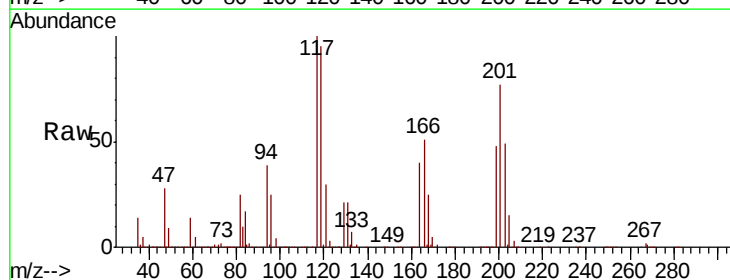
Acq: 10 May 2019 23:43

Tgt Ion: 117 Resp: 545883

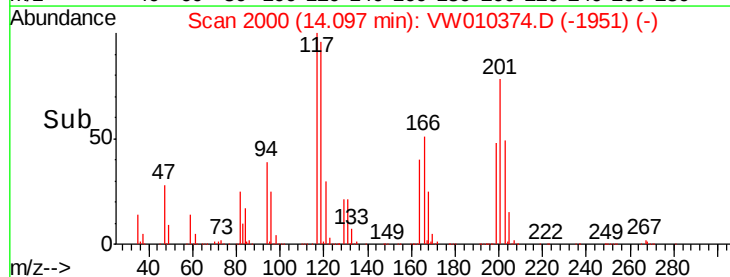
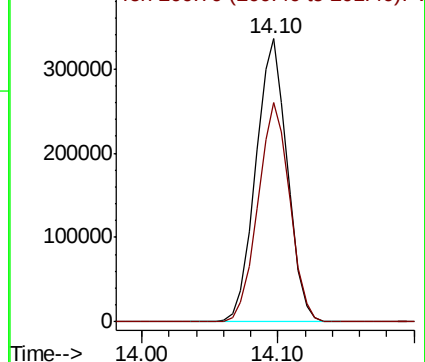
Ion Ratio Lower Upper

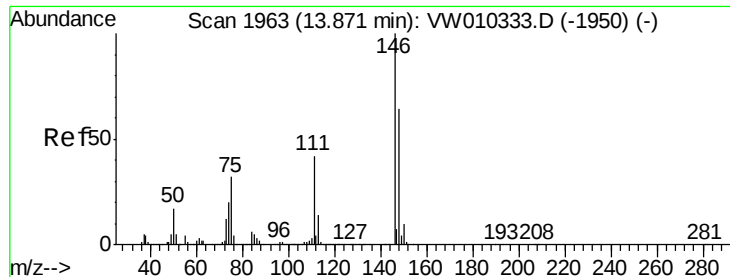
117 100

201 78.1 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

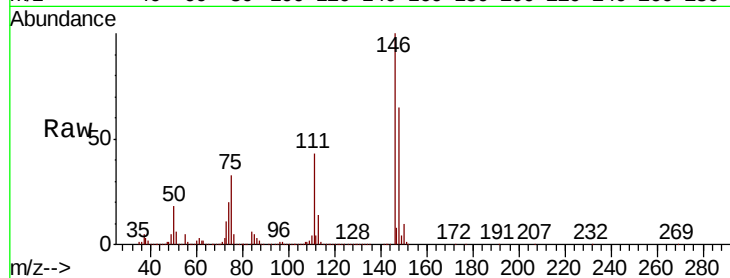
Tgt Ion:146 Resp: 1361067

Ion Ratio Lower Upper

146 100

111 43.3 20.9 62.8

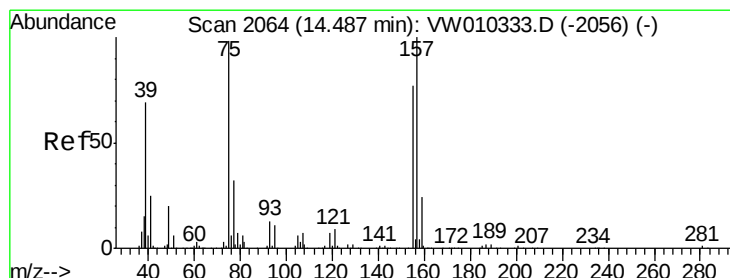
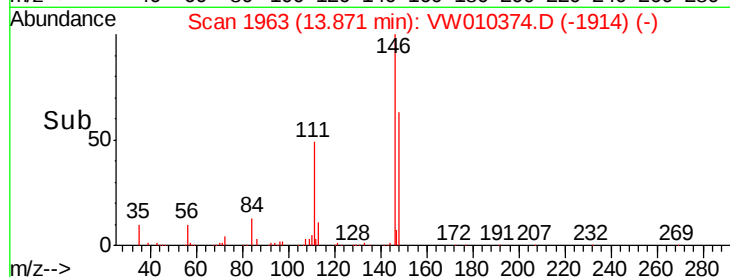
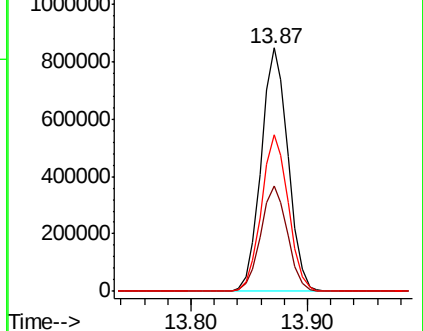
148 64.4 31.9 95.7



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: 47.124 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

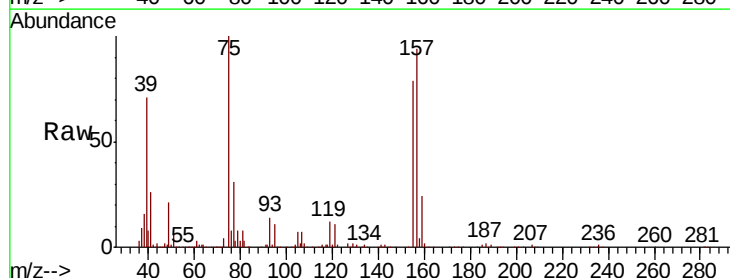
Tgt Ion: 75 Resp: 130666

Ion Ratio Lower Upper

75 100

155 78.9 37.1 111.5

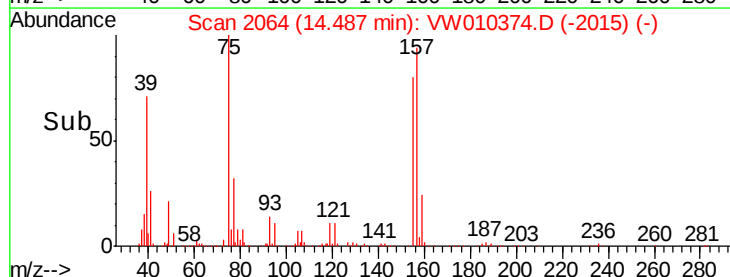
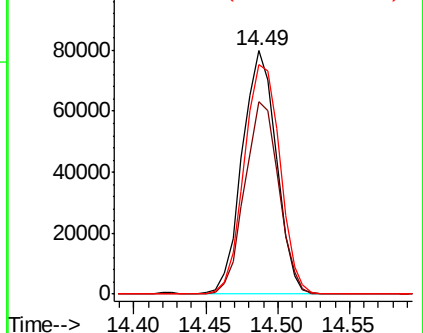
157 99.4 47.3 141.9

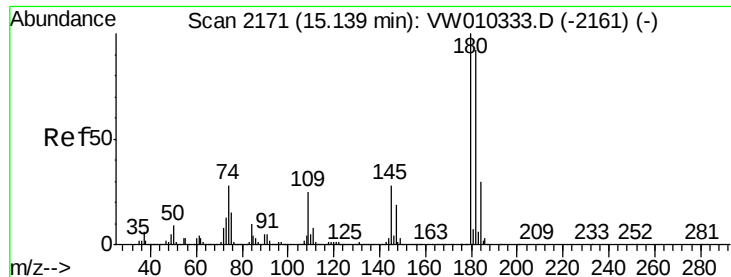


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

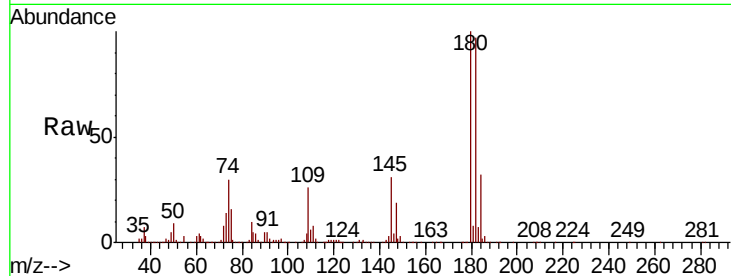




#93
 1,2,4-Trichlorobenzene
 Concen: 49.295 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	30.0	15.2	45.6

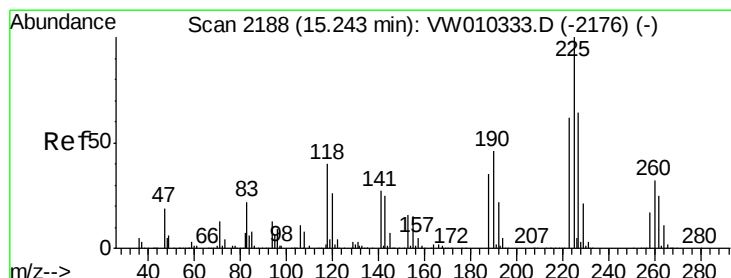
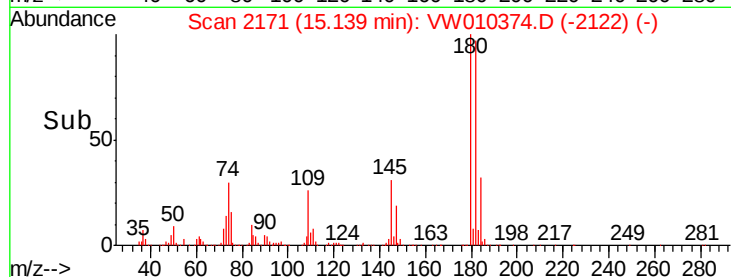
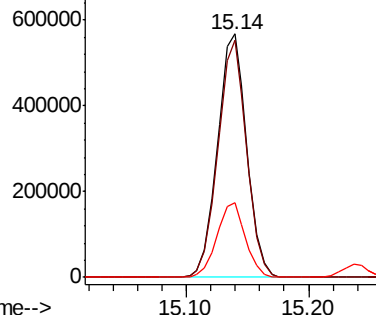


Abundance

Ion 179.80 (179.50 to 180.50): V

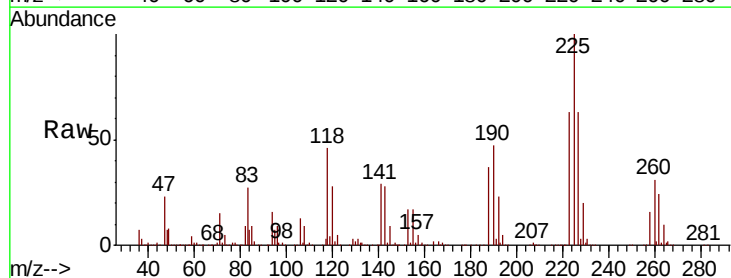
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.072 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.5
227	63.2	31.8	95.3

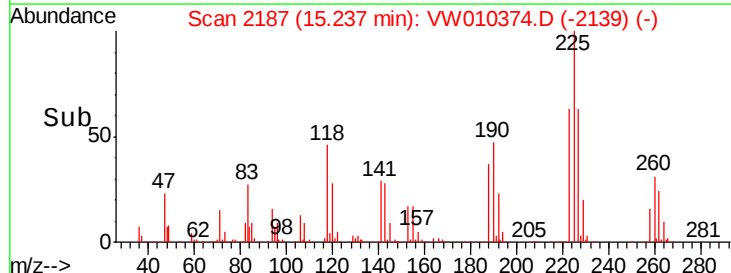
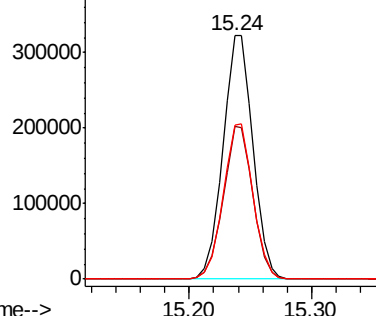


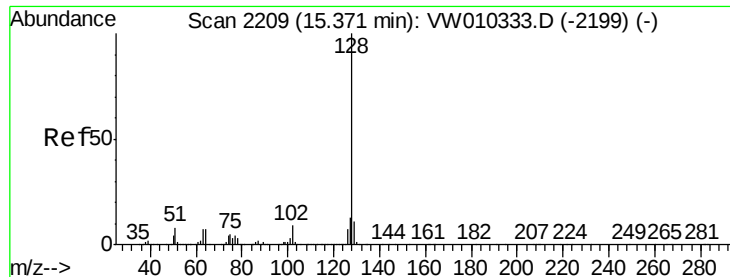
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

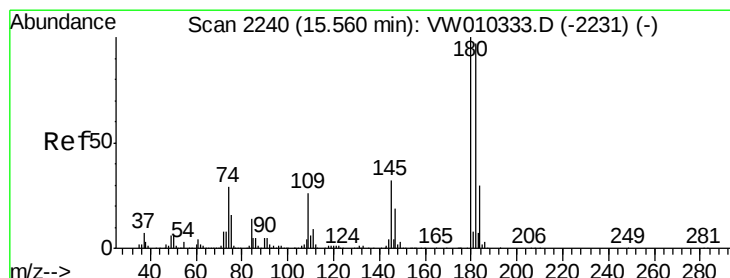
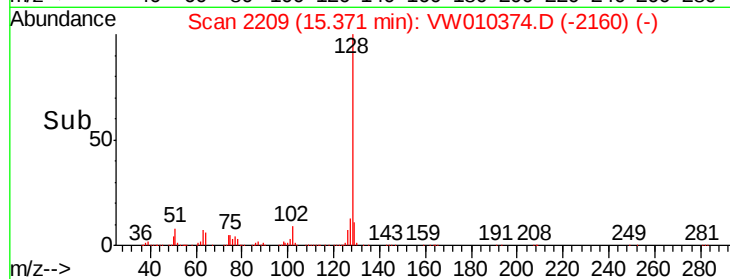
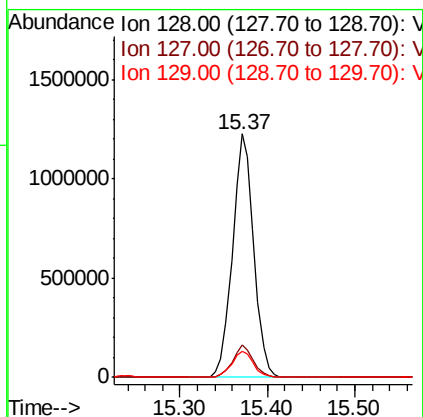
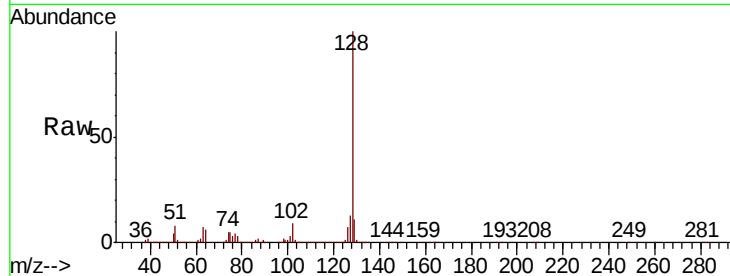




#95
Naphthalene
Concen: 47.772 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 2070019
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.902 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:180 Resp: 875369
Ion Ratio Lower Upper
180 100
182 94.4 47.8 143.3
145 32.1 16.4 49.2

