

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
 Data File : VW008453.D
 Acq On : 29 Jan 2019 16:39
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 30 01:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	403281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	615138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	551031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	283799	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	201277	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.88	113	197465	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.32	98	778586	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	283199	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	105985	45.771	ug/l	95
3) Chloromethane	2.21	50	160873	48.870	ug/l	98
4) Vinyl Chloride	2.37	62	226359	54.017	ug/l	97
5) Bromomethane	2.78	94	161431	59.726	ug/l	93
6) Chloroethane	2.92	64	154622	60.334	ug/l	99
7) Trichlorofluoromethane	3.25	101	188090	51.453	ug/l	98
8) Diethyl Ether	3.67	74	107223	53.314	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	203576	55.813	ug/l	98
10) Methyl Iodide	4.26	142	318425	55.270	ug/l	99
11) Tert butyl alcohol	5.17	59	80377	251.985	ug/l	96
12) 1,1-Dichloroethene	4.03	96	197580	53.525	ug/l	98
13) Acrolein	3.89	56	56597	201.926	ug/l	100
14) Allyl chloride	4.66	41	349203	49.819	ug/l	98
15) Acrylonitrile	5.36	53	222033	255.671	ug/l	99
16) Acetone	4.12	43	250365	281.406	ug/l	96
17) Carbon Disulfide	4.37	76	575023	48.775	ug/l	98
18) Methyl Acetate	4.67	43	119168	50.218	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	324830	53.186	ug/l	100
20) Methylene Chloride	4.90	84	208793	50.917	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	220483	53.129	ug/l	95
22) Diisopropyl ether	6.31	45	673348	50.687	ug/l	98
23) Vinyl Acetate	6.25	43	1947089	248.219	ug/l	99
24) 1,1-Dichloroethane	6.21	63	390528	51.935	ug/l	98
25) 2-Butanone	7.17	43	322565	261.024	ug/l	98
26) 2,2-Dichloropropane	7.16	77	267478	52.624	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	241386	53.371	ug/l	98
28) Bromochloromethane	7.51	49	156144	45.210	ug/l	95
29) Tetrahydrofuran	7.52	42	194055	247.801	ug/l	97
30) Chloroform	7.67	83	398340	53.857	ug/l	99
31) Cyclohexane	7.95	56	351591	45.218	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	341373	53.437	ug/l	99
36) 1,1-Dichloropropene	8.08	75	317221	54.593	ug/l	98
37) Ethyl Acetate	7.25	43	135649	52.765	ug/l	99
38) Carbon Tetrachloride	8.06	117	329186	56.298	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	394252	51.649	ug/l	98
40) Benzene	8.32	78	869776	53.943	ug/l	98
41) Methacrylonitrile	7.48	41	82074	53.918	ug/l	96
42) 1,2-Dichloroethane	8.40	62	248955	53.279	ug/l	99
43) Isopropyl Acetate	8.42	43	279790	52.386	ug/l	97
44) Trichloroethene	9.09	130	246090	56.126	ug/l	99
45) 1,2-Dichloropropane	9.37	63	218345	54.311	ug/l	96
46) Dibromomethane	9.46	93	113589	54.933	ug/l	97
47) Bromodichloromethane	9.64	83	301277	55.085	ug/l	99
48) Methyl methacrylate	9.43	41	133027	50.939	ug/l	98
49) 1,4-Dioxane	9.45	88	38267	1094.846	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	687601	260.595	ug/l	99
52) Toluene	10.39	92	571805	53.723	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	308995	53.094	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	357500	54.130	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	157371	54.869	ug/l	98
56) Ethyl methacrylate	10.65	69	211634	52.660	ug/l	97
57) 1,3-Dichloropropane	10.93	76	274867	53.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	508320	260.322	ug/l	97
59) 2-Hexanone	10.97	43	507487	272.443	ug/l	100
60) Dibromochloromethane	11.13	129	204550	55.497	ug/l	99
61) 1,2-Dibromoethane	11.24	107	153635	54.023	ug/l	99
64) Tetrachloroethene	10.86	164	206111	55.245	ug/l	98
65) Chlorobenzene	11.66	112	620324	55.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	226380	56.250	ug/l	99
67) Ethyl Benzene	11.73	91	1112802	53.819	ug/l	99
68) m/p-Xylenes	11.84	106	867618	108.149	ug/l	98
69) o-Xylene	12.16	106	414175	54.336	ug/l	97
70) Styrene	12.18	104	676549	53.734	ug/l	98
71) Bromoform	12.35	173	125743	55.532	ug/l	98
73) Isopropylbenzene	12.47	105	1158509	54.756	ug/l	100
74) N-amyl acetate	12.27	43	276193	50.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	179155	53.484	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	255276	103.458	ug/l	20
77) Bromobenzene	12.75	156	254330	55.042	ug/l	96
78) n-propylbenzene	12.80	91	1375816	54.141	ug/l	99
79) 2-Chlorotoluene	12.90	91	767268	53.506	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	962057	54.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	64481	51.614	ug/l	98
82) 4-Chlorotoluene	12.99	91	811251	53.137	ug/l	98
83) tert-Butylbenzene	13.21	119	843276	53.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	976808	54.343	ug/l	100
85) sec-Butylbenzene	13.39	105	1229864	54.722	ug/l	99
86) p-Isopropyltoluene	13.50	119	1098510	55.800	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	522914	56.036	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	510431	55.039	ug/l	99
89) n-Butylbenzene	13.83	91	1044357	54.029	ug/l	99
90) Hexachloroethane	14.10	117	208626	54.190	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	458781	55.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31931	50.240	ug/l	98

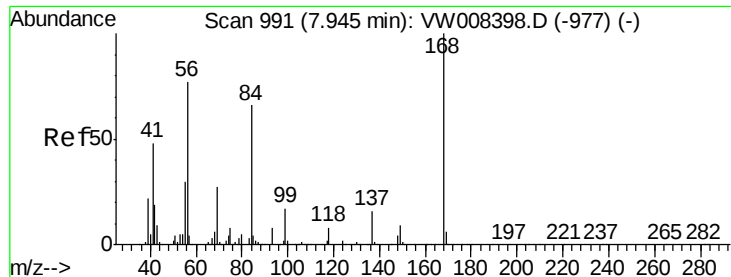
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
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QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	330049	56.014	ug/l	99
94) Hexachlorobutadiene	15.24	225	199659	56.225	ug/l	98
95) Naphthalene	15.37	128	570004	55.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	276028	55.225	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

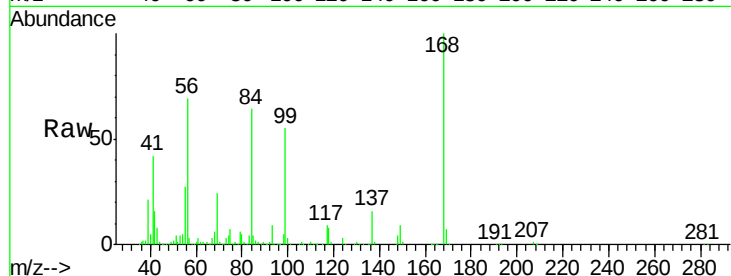
VSTDCCC050EC

Tgt Ion:168 Resp: 403281

Ion Ratio Lower Upper

168 100

99 54.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

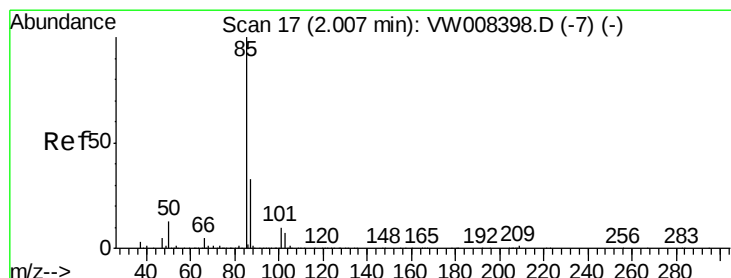
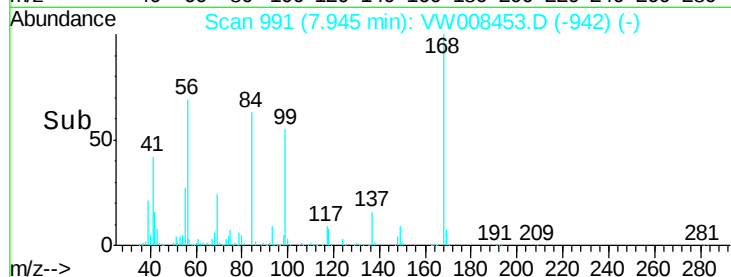
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.771 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008453.D

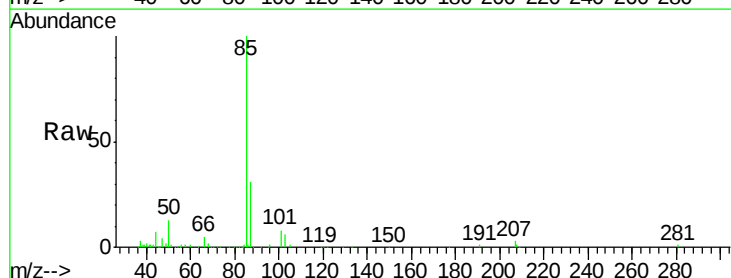
Acq: 29 Jan 2019 16:39

Tgt Ion: 85 Resp: 105985

Ion Ratio Lower Upper

85 100

87 30.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

20000

10000

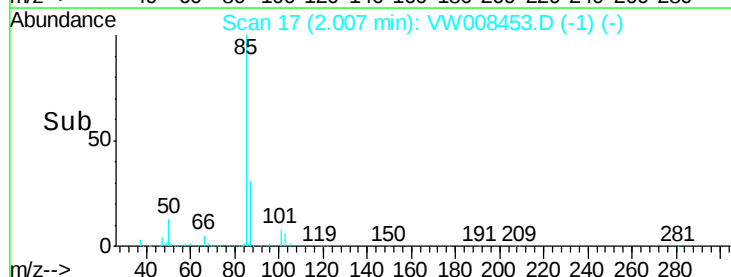
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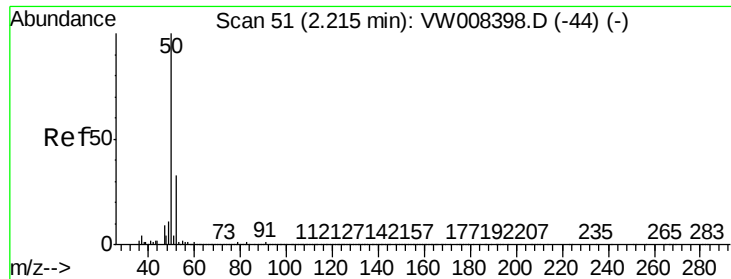
1.90

2.00

2.10

Time-->

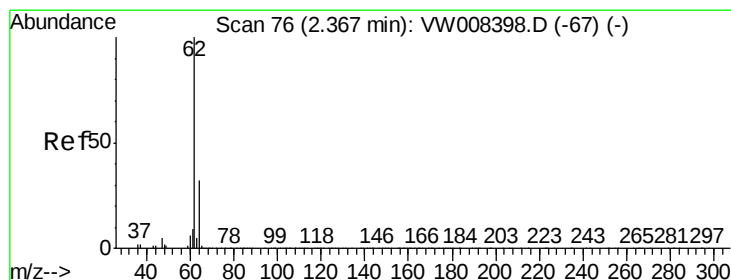
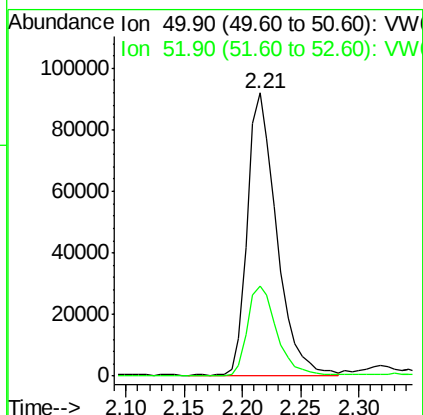
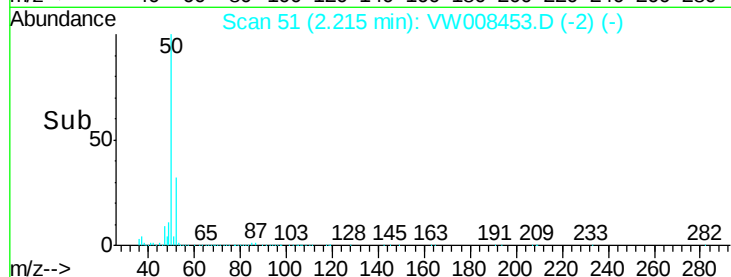
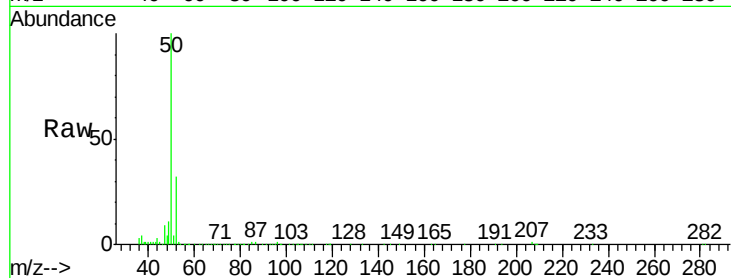




#3
Chloromethane
Concen: 48.870 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

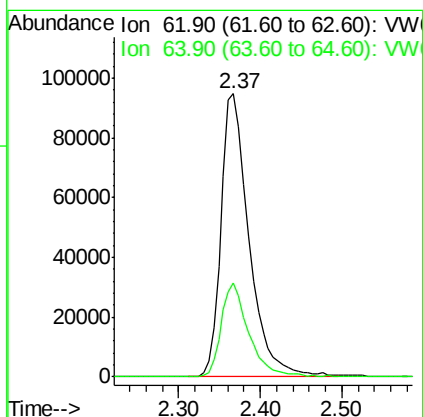
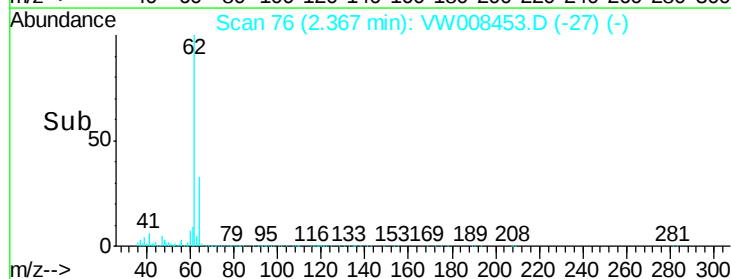
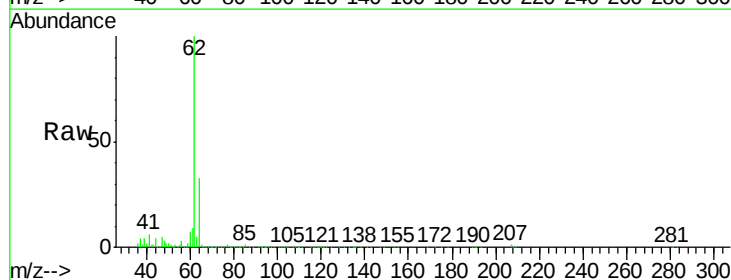
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

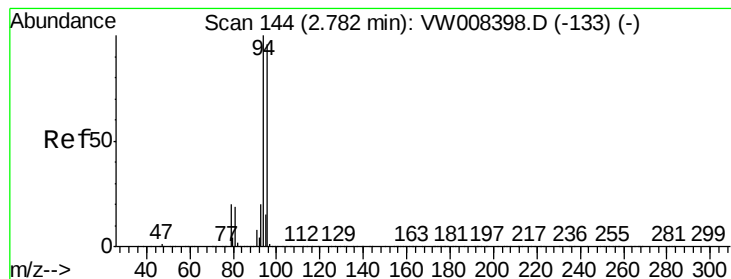
Tgt Ion: 50 Resp: 160873
Ion Ratio Lower Upper
50 100
52 32.0 26.3 39.5



#4
Vinyl Chloride
Concen: 54.017 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 62 Resp: 226359
Ion Ratio Lower Upper
62 100
64 33.4 25.5 38.3





#5

Bromomethane

Concen: 59.726 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

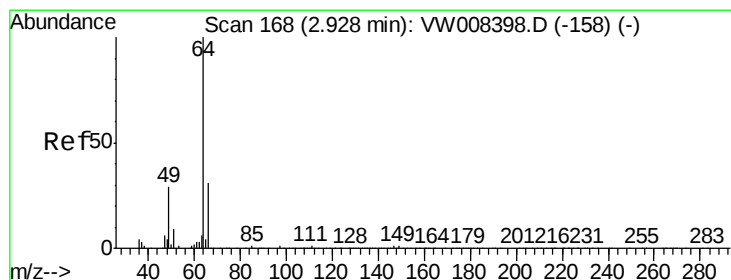
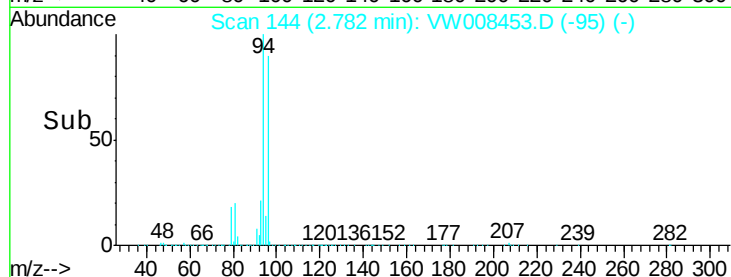
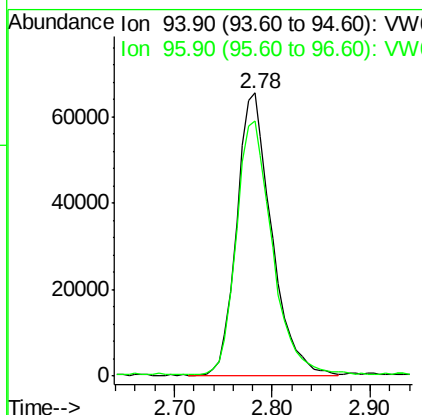
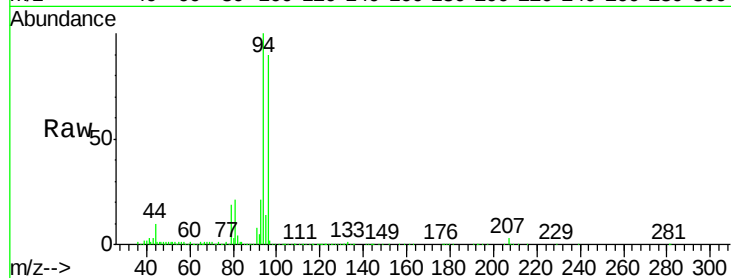
VSTDCCC050EC

Tgt Ion: 94 Resp: 161431

Ion Ratio Lower Upper

94 100

96 89.9 77.2 115.8



#6

Chloroethane

Concen: 60.334 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008453.D

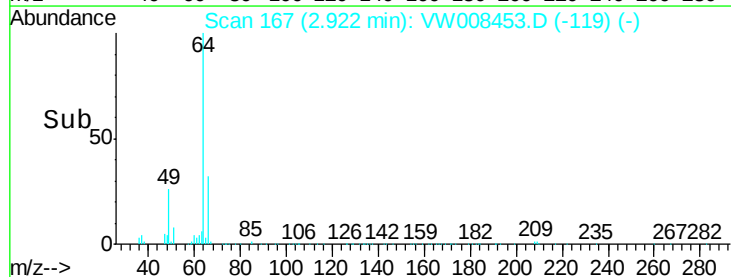
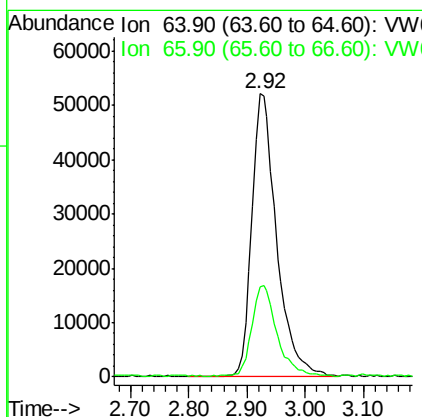
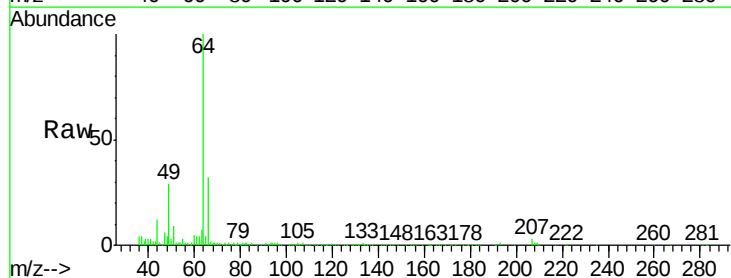
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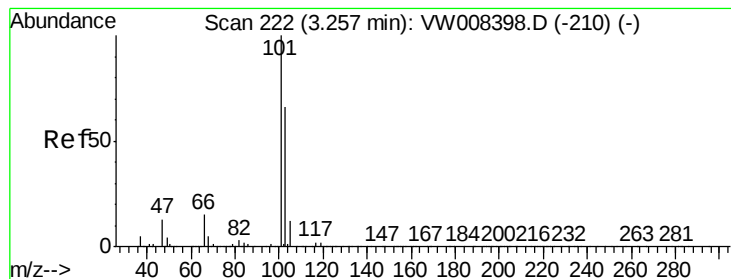
Tgt Ion: 64 Resp: 154622

Ion Ratio Lower Upper

64 100

66 31.7 24.9 37.3



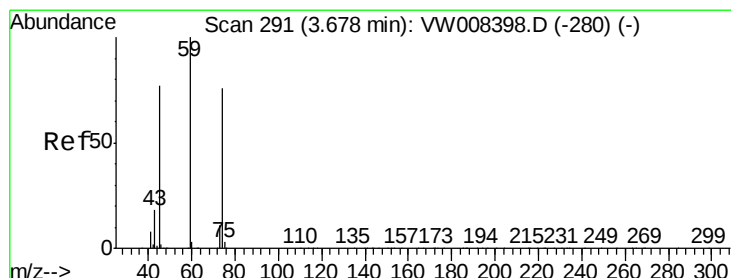
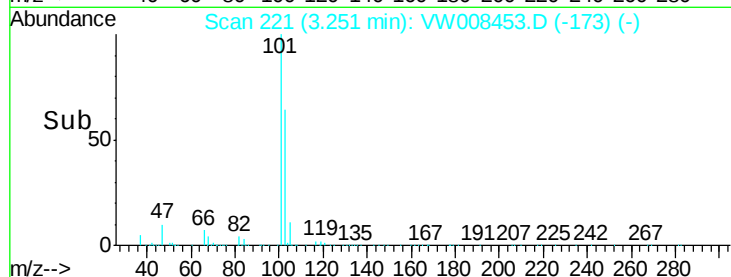
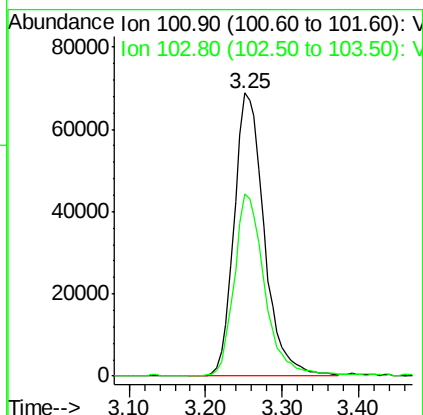
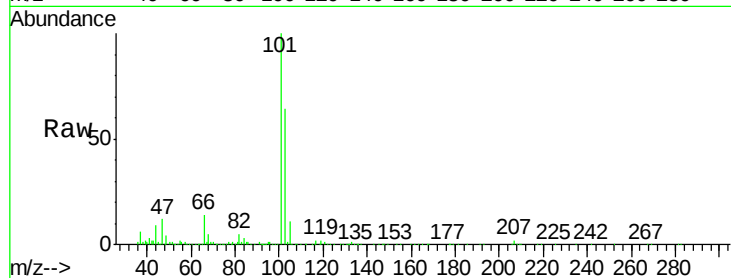


#7

Trichlorofluoromethane
Concen: 51.453 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Instrument :
MSVOA_W
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VSTDCCC050EC

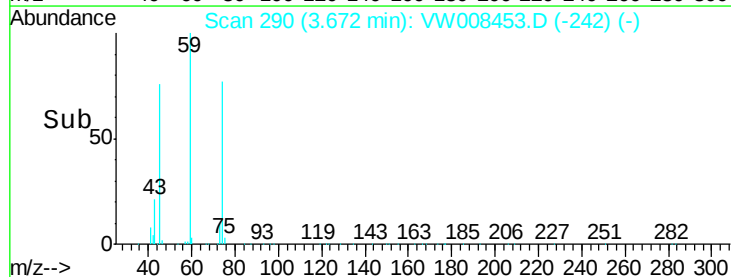
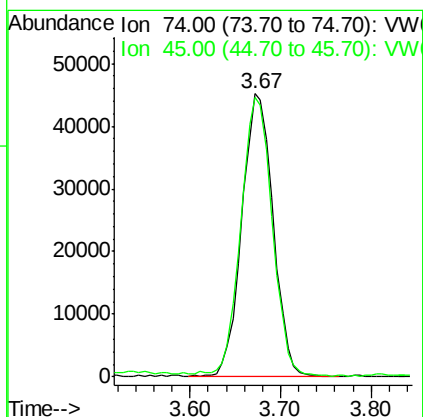
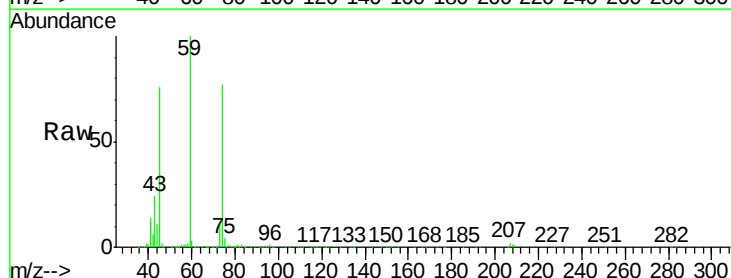
Tgt Ion:101 Resp: 188090
Ion Ratio Lower Upper
101 100
103 64.1 52.5 78.7

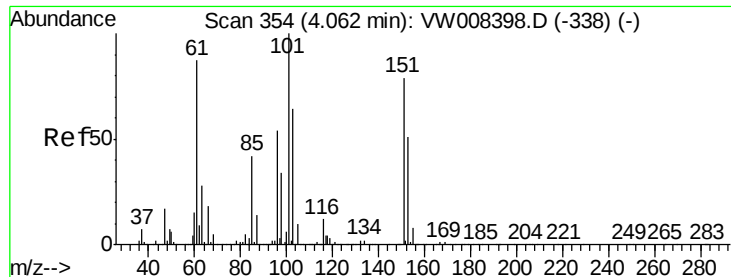


#8

Diethyl Ether
Concen: 53.314 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 74 Resp: 107223
Ion Ratio Lower Upper
74 100
45 99.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.813 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

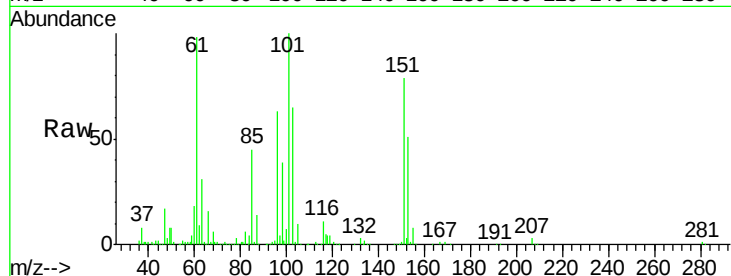
Tgt Ion:101 Resp: 203576

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.4

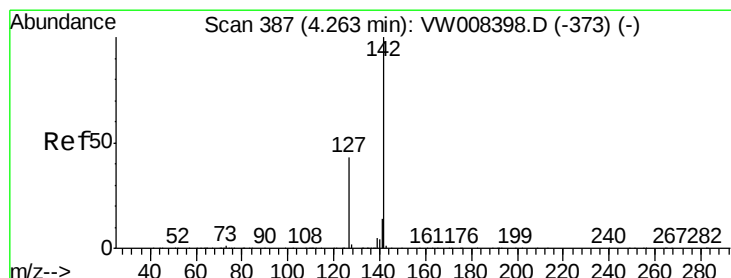
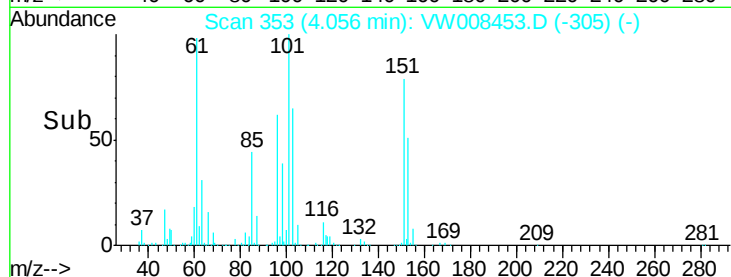
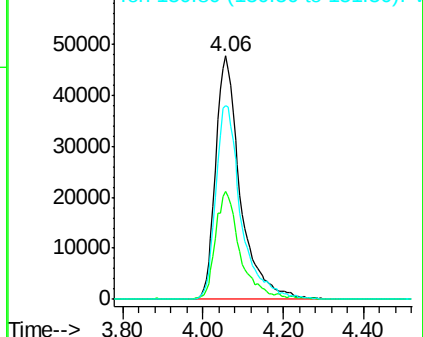
151 81.5 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.270 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

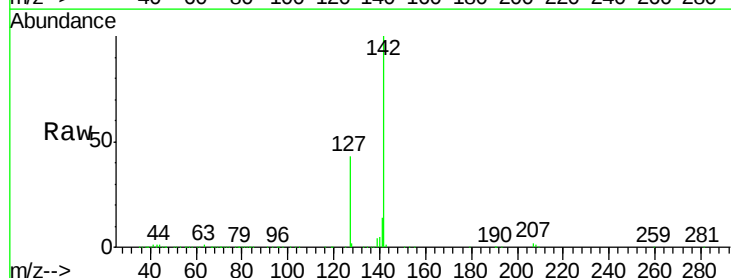
Tgt Ion:142 Resp: 318425

Ion Ratio Lower Upper

142 100

127 42.7 34.6 52.0

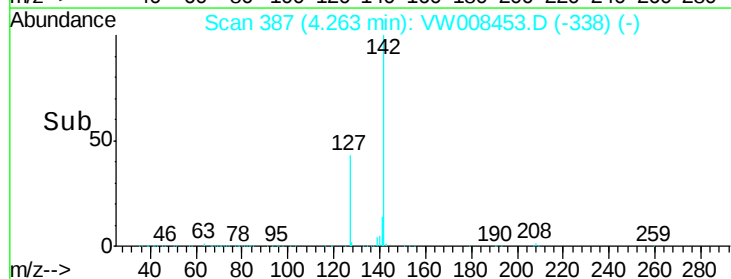
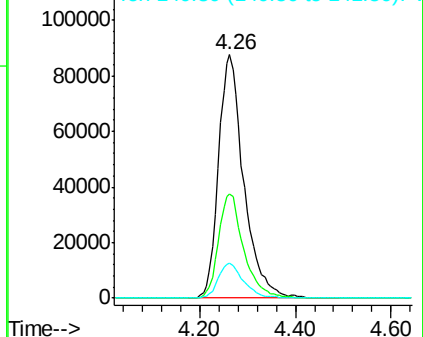
141 14.6 11.4 17.2

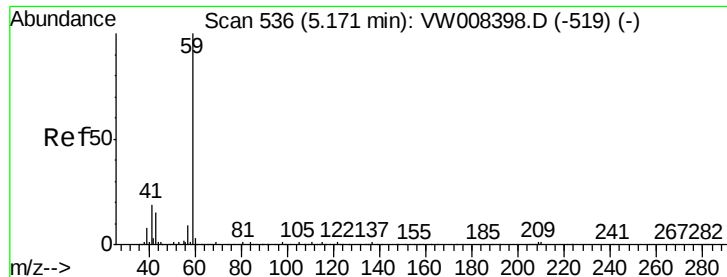


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

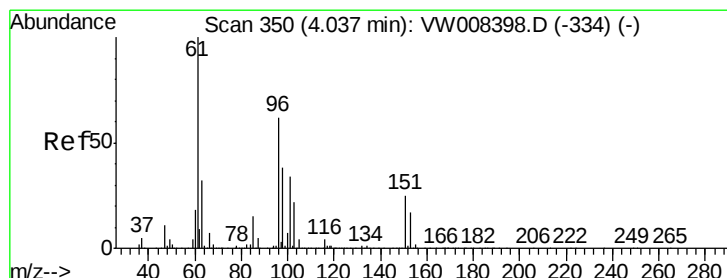
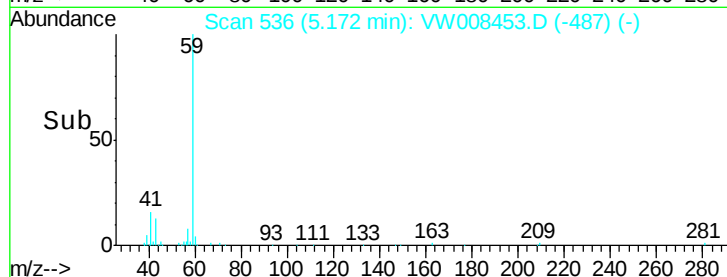
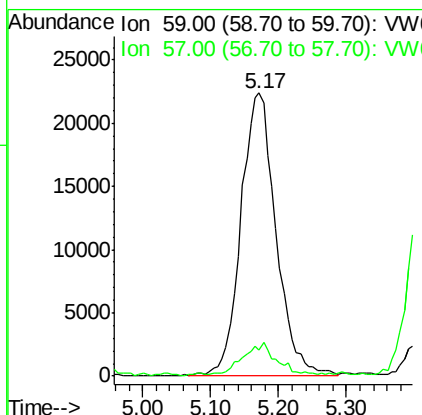
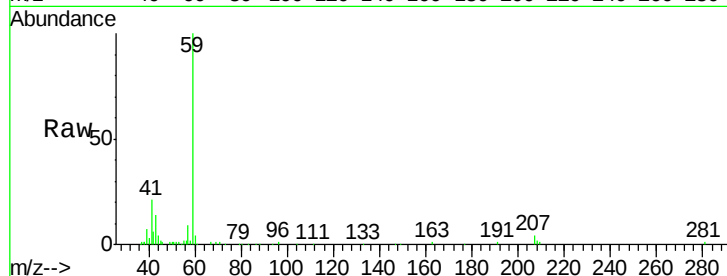




#11
Tert butyl alcohol
Concen: 251.985 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

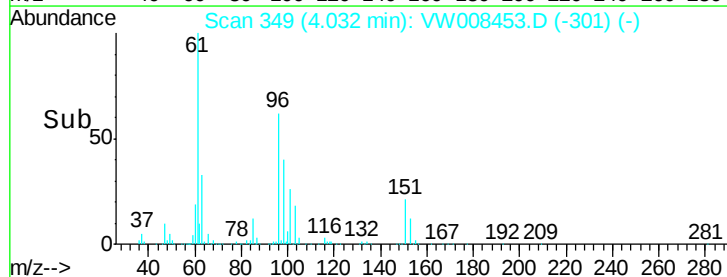
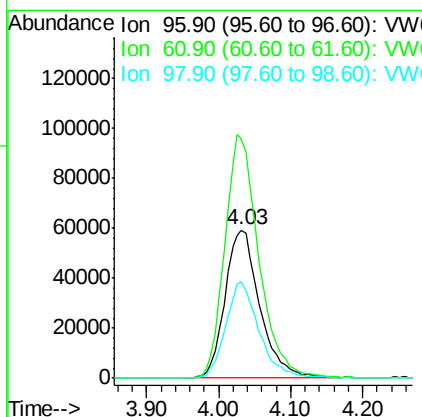
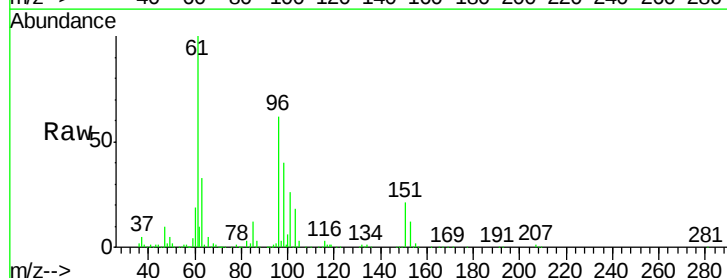
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

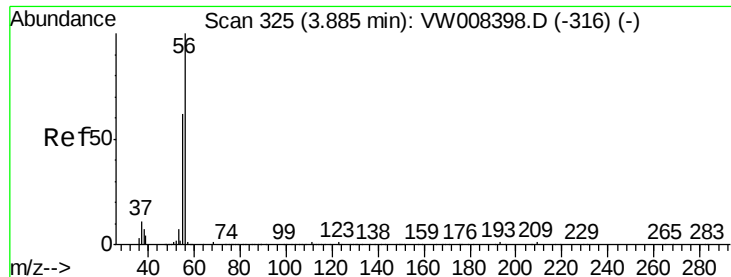
Tgt Ion: 59 Resp: 80377
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 53.525 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 96 Resp: 197580
Ion Ratio Lower Upper
96 100
61 161.7 129.5 194.3
98 65.5 48.6 73.0





#13

Acrolein

Concen: 201.926 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

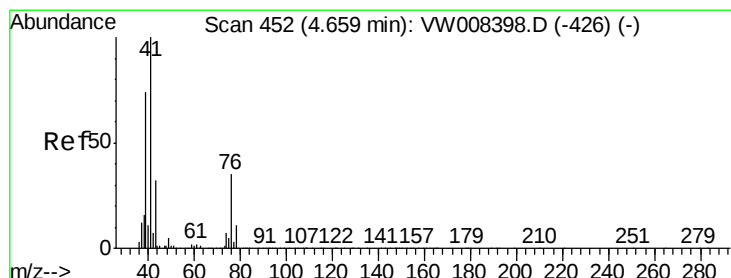
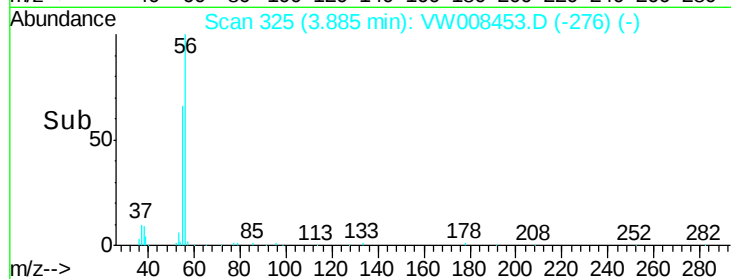
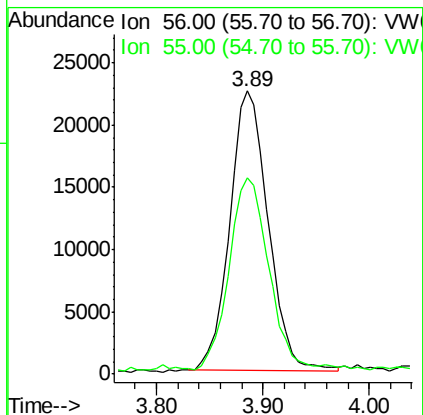
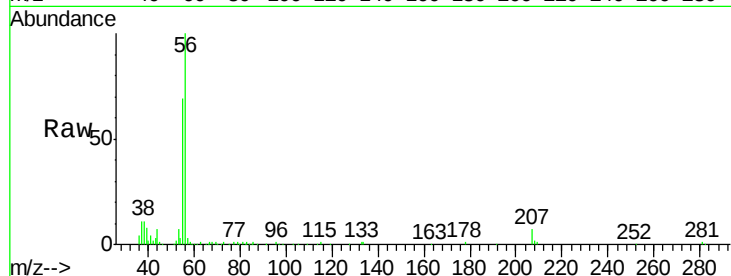
VSTDCCC050EC

Tgt Ion: 56 Resp: 56597

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Allyl chloride

Concen: 49.819 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

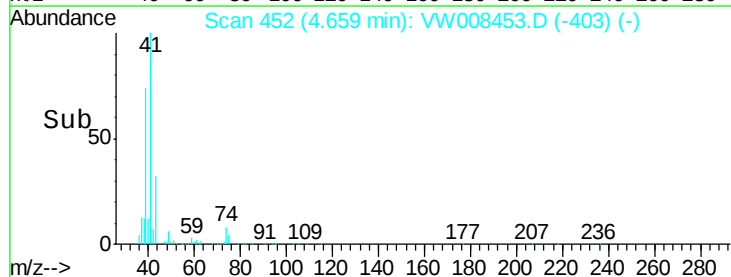
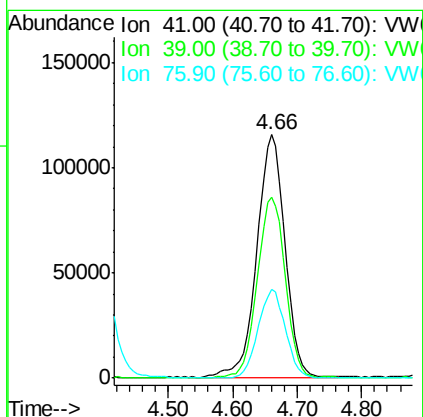
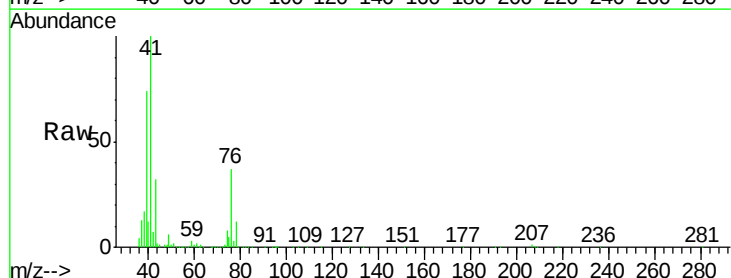
Tgt Ion: 41 Resp: 349203

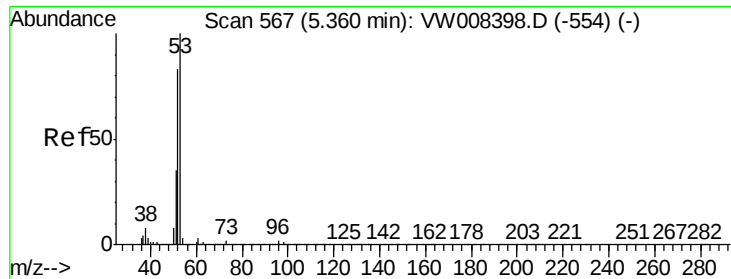
Ion Ratio Lower Upper

41 100

39 73.3 57.7 86.5

76 35.1 26.9 40.3





#15

Acrylonitrile

Concen: 255.671 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

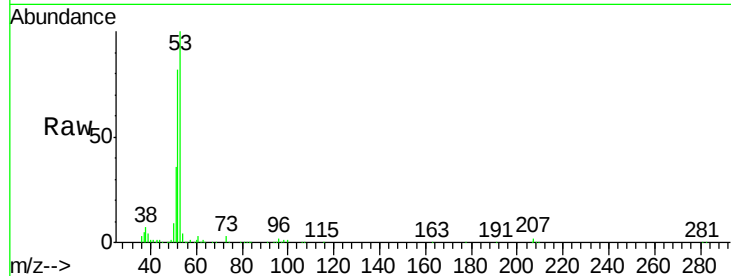
Tgt Ion: 53 Resp: 222033

Ion Ratio Lower Upper

53 100

52 83.3 67.0 100.4

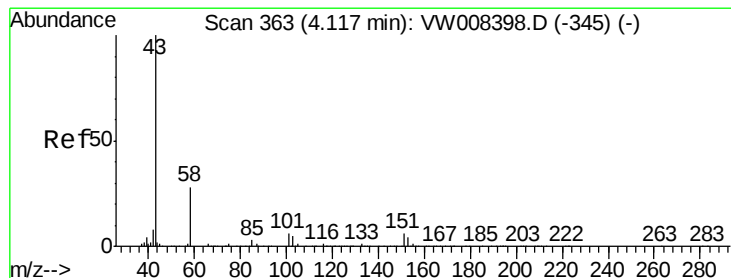
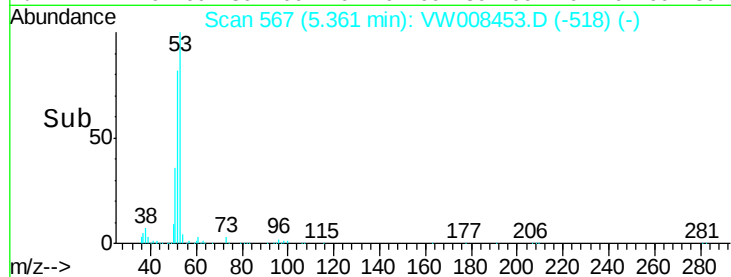
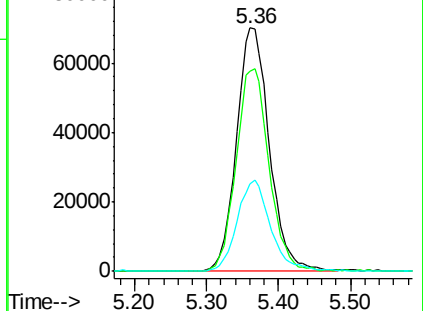
51 38.3 29.8 44.8



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: 281.406 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008453.D

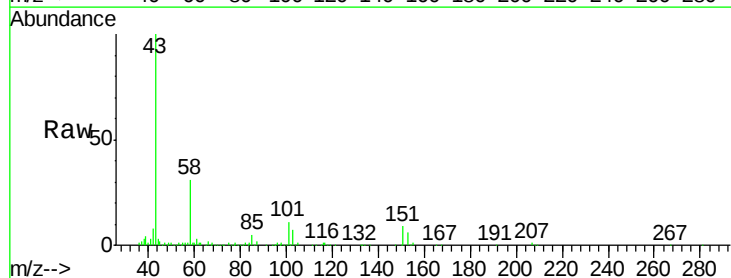
Acq: 29 Jan 2019 16:39

Tgt Ion: 43 Resp: 250365

Ion Ratio Lower Upper

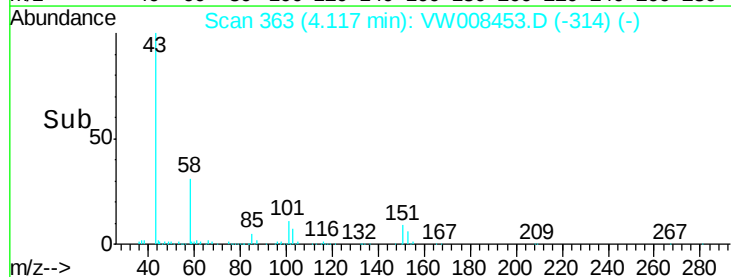
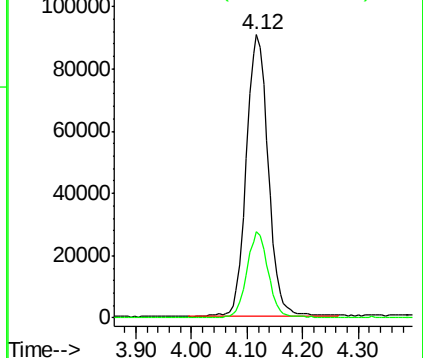
43 100

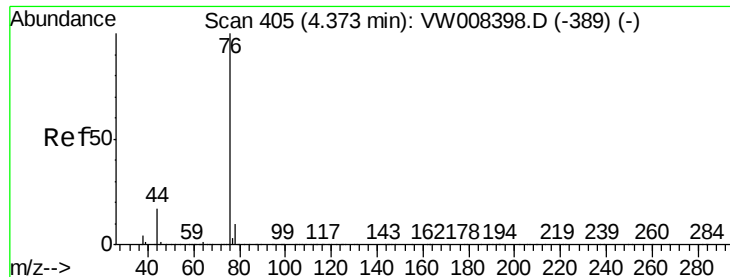
58 30.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 48.775 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

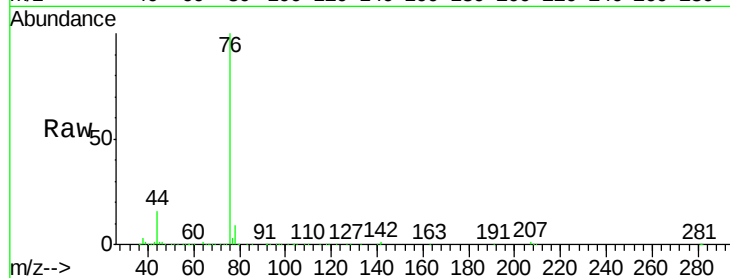
VSTDCCC050EC

Tgt Ion: 76 Resp: 575023

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

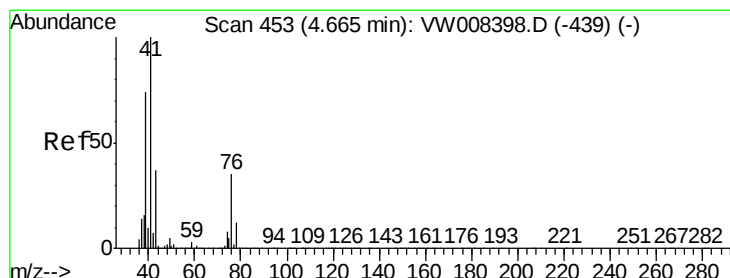
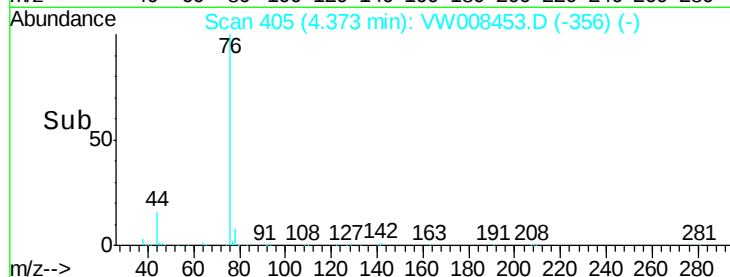
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 50.218 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008453.D

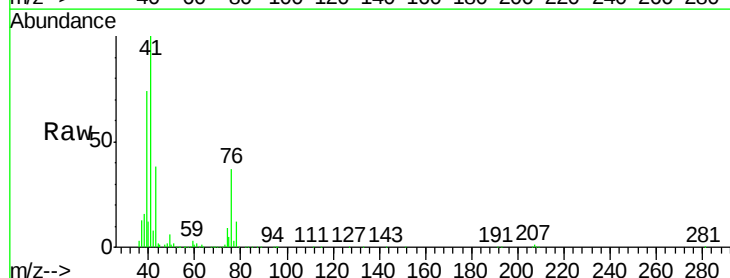
Acq: 29 Jan 2019 16:39

Tgt Ion: 43 Resp: 119168

Ion Ratio Lower Upper

43 100

74 24.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

30000

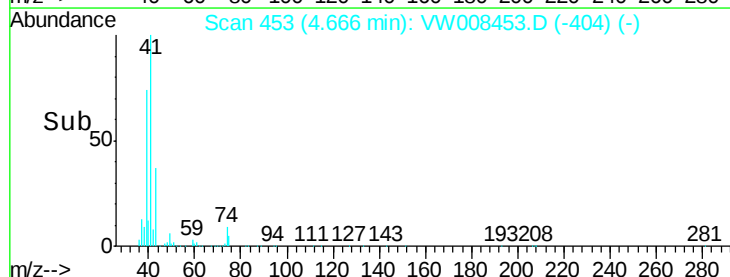
20000

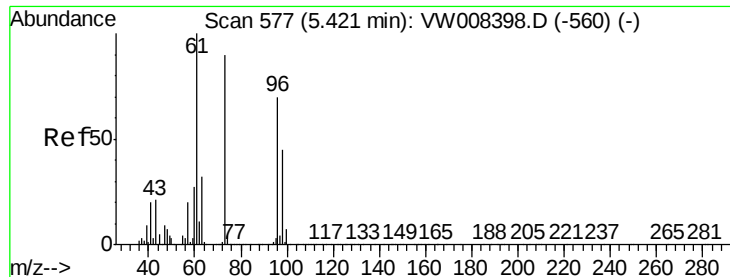
10000

0

4.50 4.60 4.70 4.80

Time-->



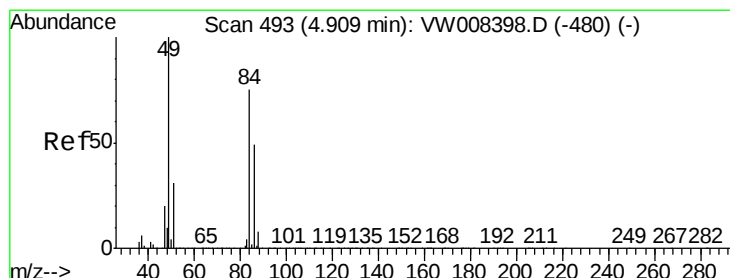
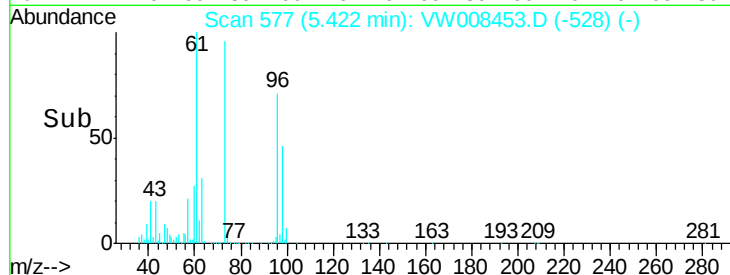
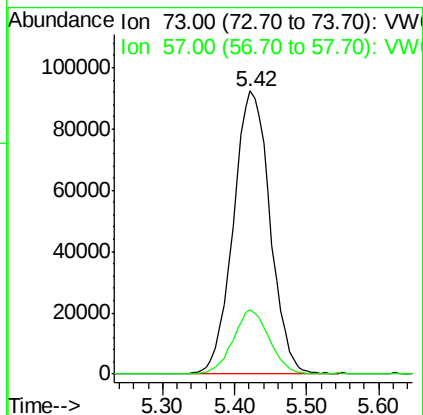
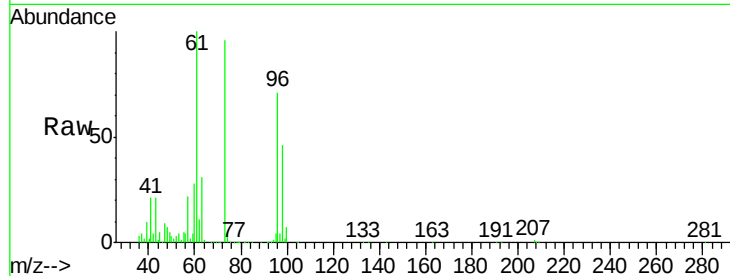


#19

Methyl tert-butyl Ether
 Concen: 53.186 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

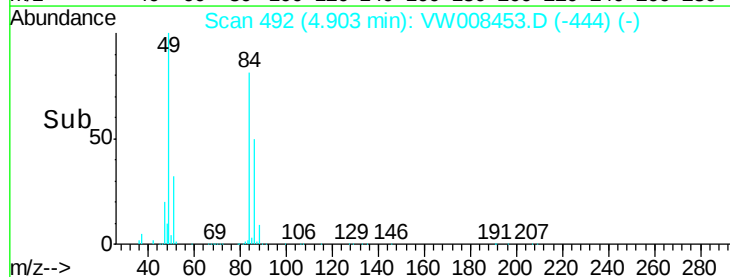
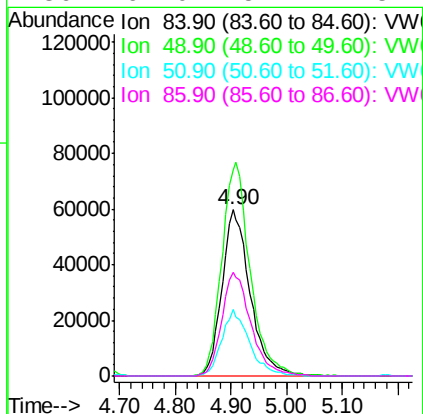
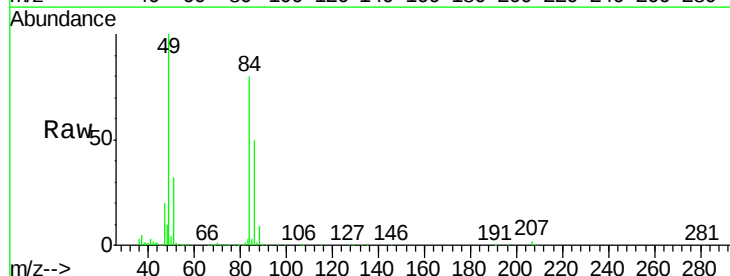
Tgt Ion: 73 Resp: 324830
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

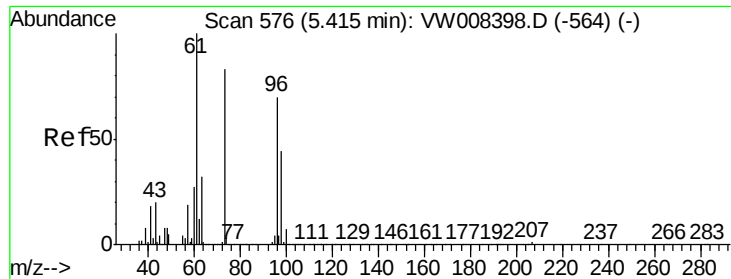


#20

Methylene Chloride
 Concen: 50.917 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 84 Resp: 208793
 Ion Ratio Lower Upper
 84 100
 49 124.3 106.8 160.2
 51 39.7 32.9 49.3
 86 62.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.129 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

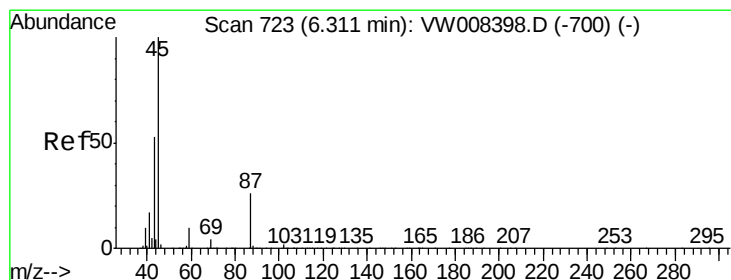
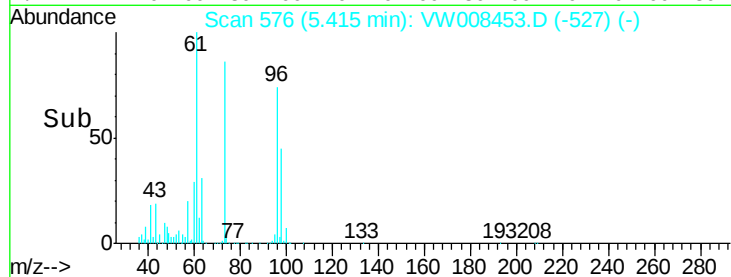
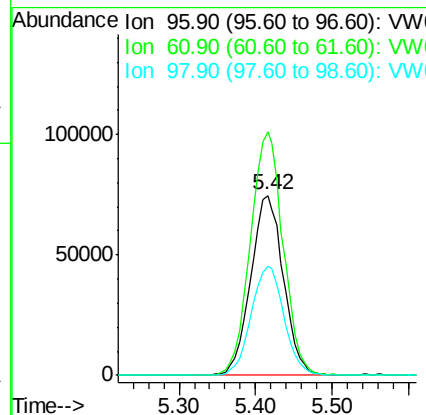
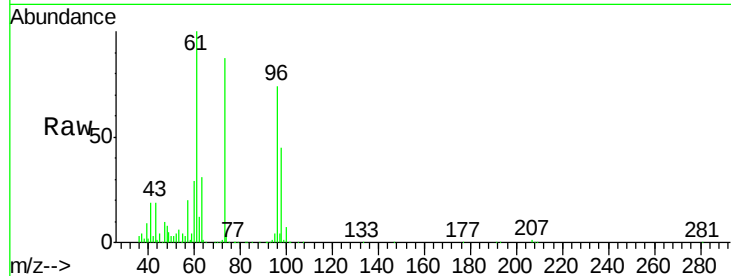
Tgt Ion: 96 Resp: 220483

Ion Ratio Lower Upper

96 100

61 135.5 114.4 171.6

98 60.4 50.6 75.8



#22

Diisopropyl ether

Concen: 50.687 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Tgt Ion: 45 Resp: 673348

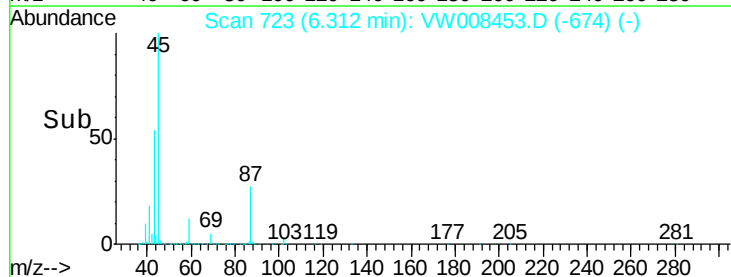
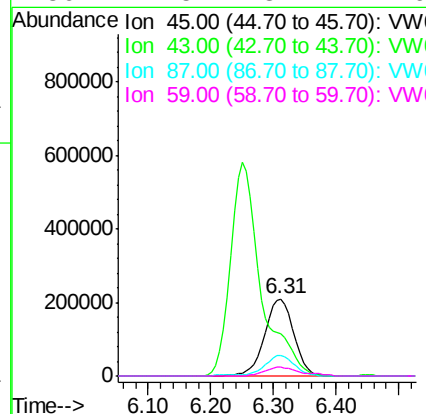
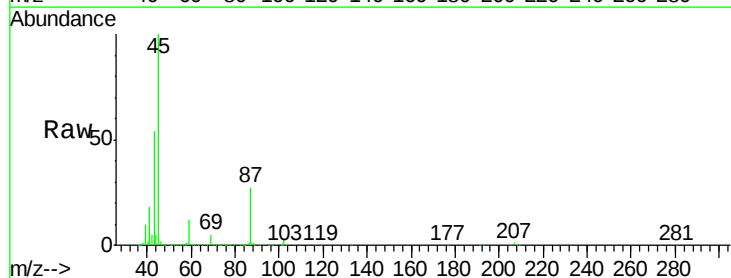
Ion Ratio Lower Upper

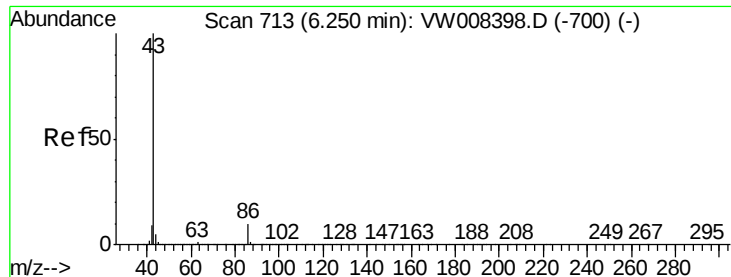
45 100

43 53.8 42.6 63.8

87 27.2 20.3 30.5

59 11.5 8.4 12.6





#23

Vinyl Acetate

Concen: 248.219 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

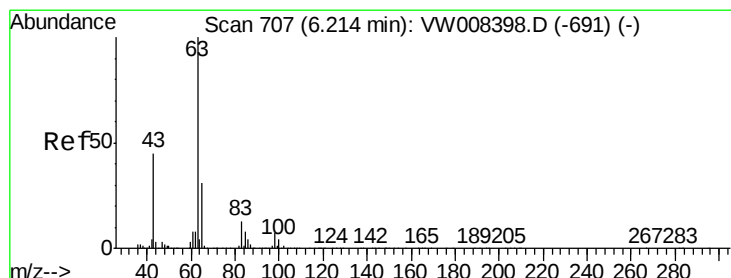
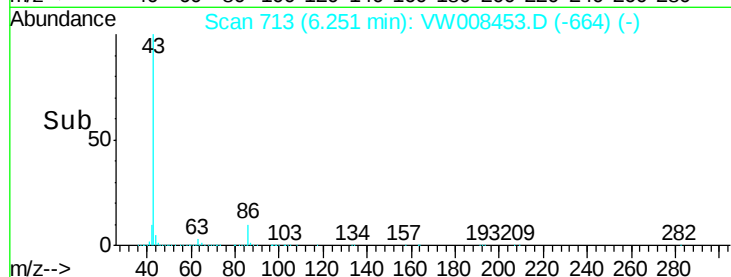
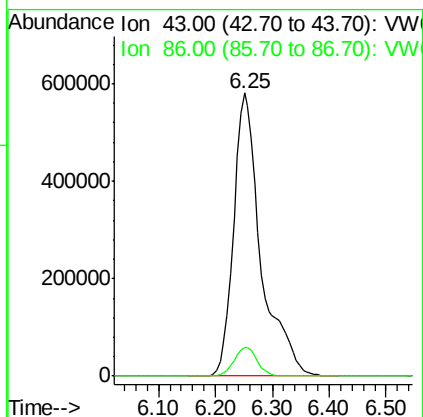
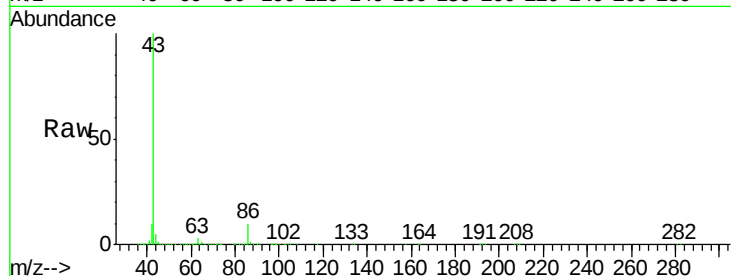
VSTDCCC050EC

Tgt Ion: 43 Resp: 1947089

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



#24

1,1-Dichloroethane

Concen: 51.935 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

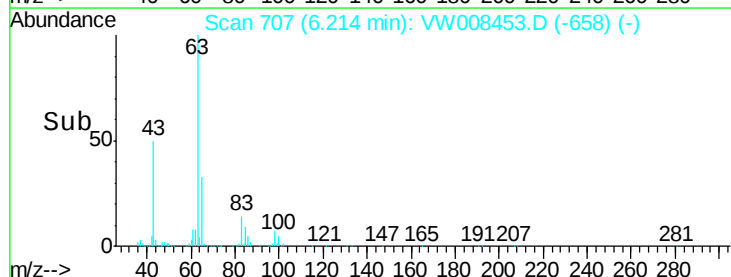
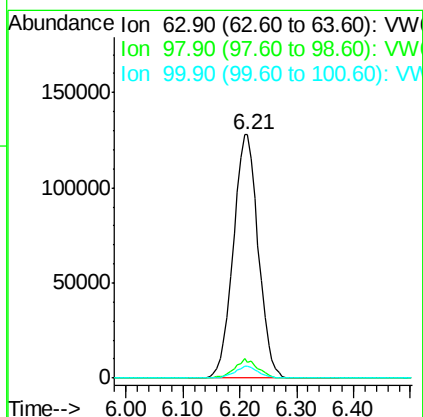
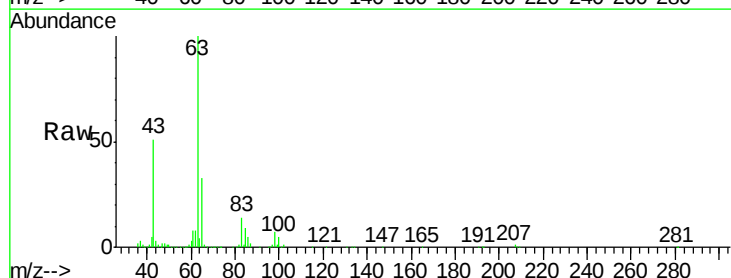
Tgt Ion: 63 Resp: 390528

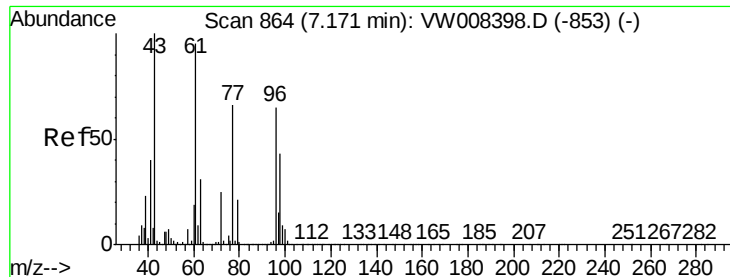
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 261.024 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

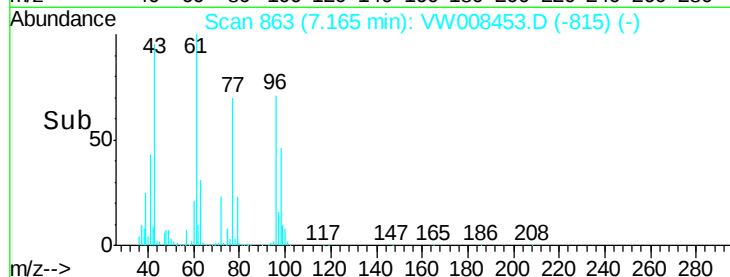
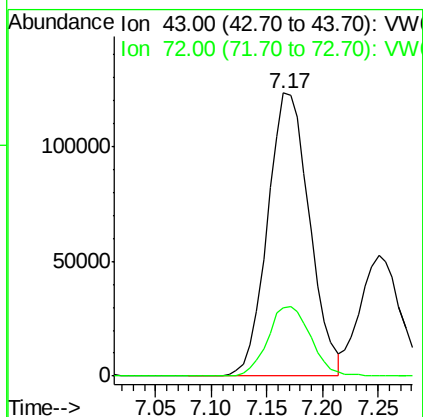
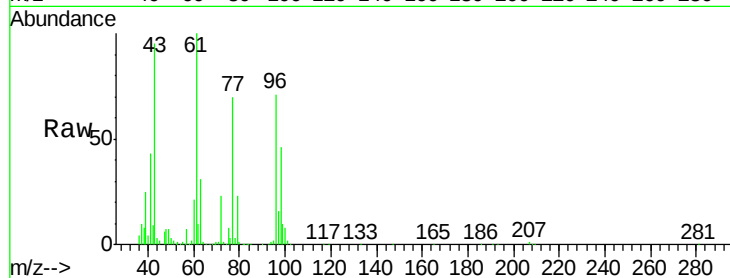
VSTDCCC050EC

Tgt Ion: 43 Resp: 322565

Ion Ratio Lower Upper

43 100

72 24.3 20.1 30.1



#26

2,2-Dichloropropane

Concen: 52.624 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008453.D

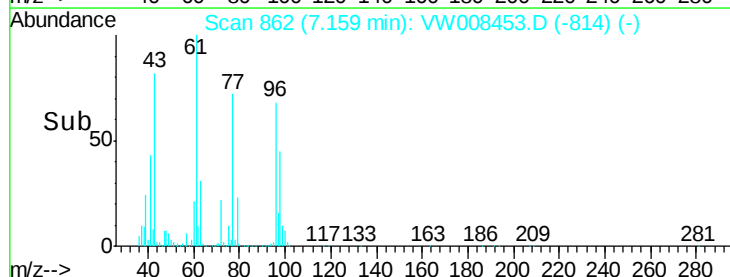
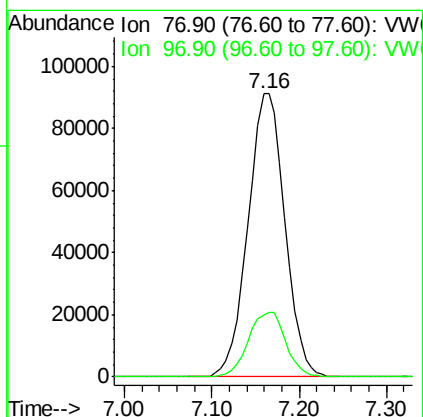
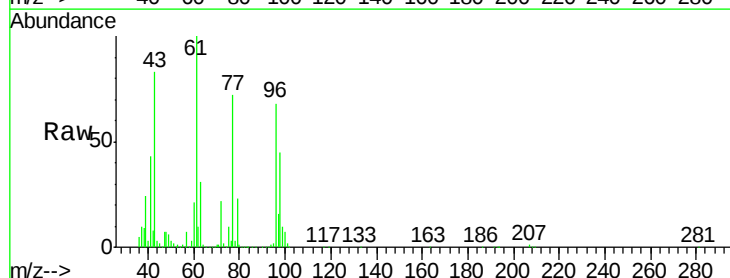
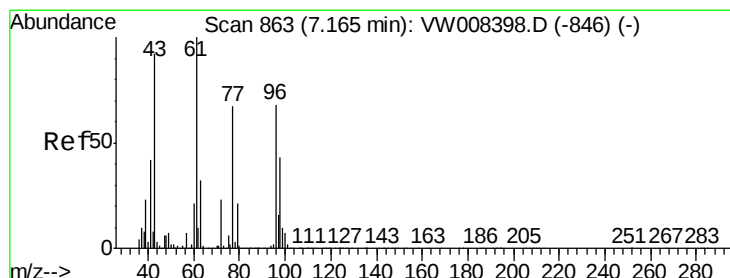
Acq: 29 Jan 2019 16:39

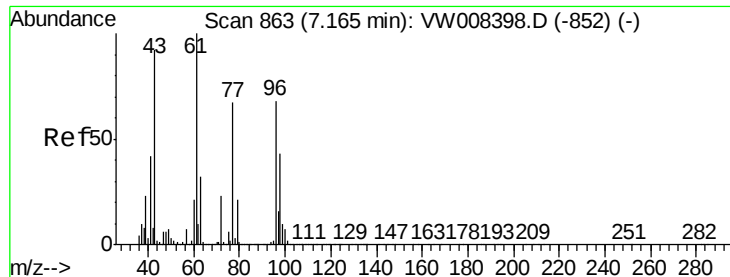
Tgt Ion: 77 Resp: 267478

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5



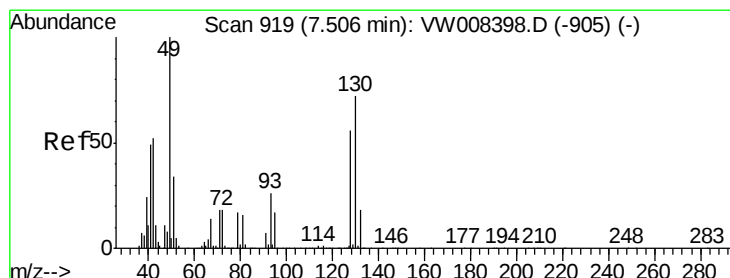
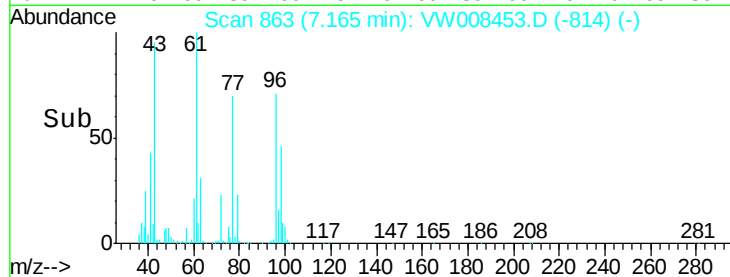
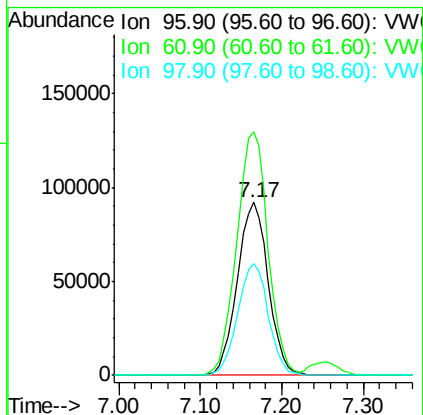
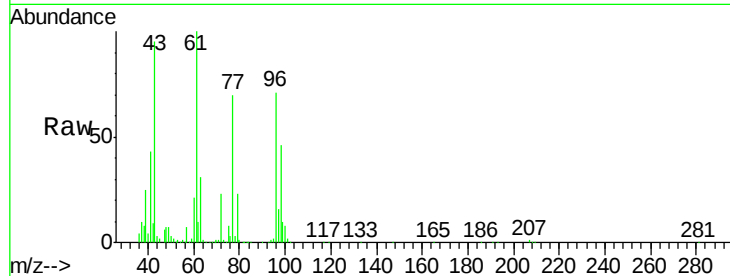


#27

cis-1,2-Dichloroethene
Concen: 53.371 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

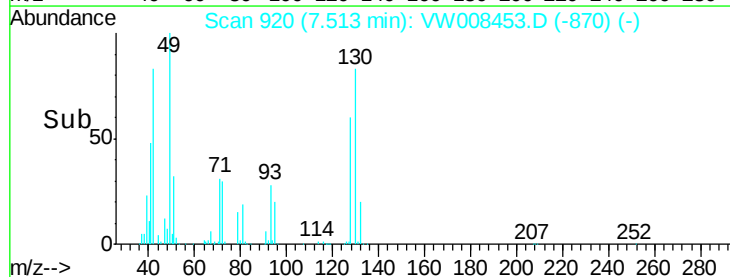
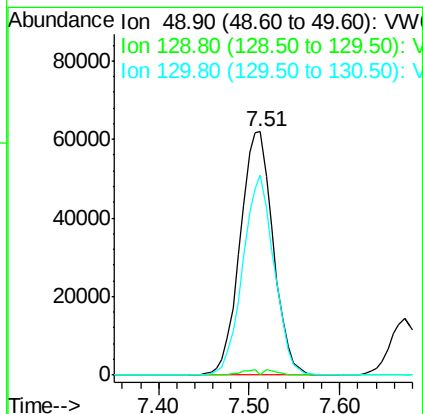
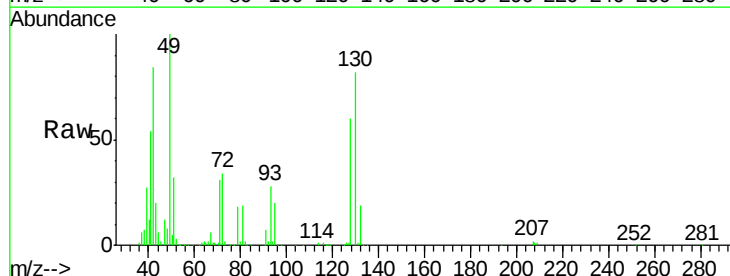
Tgt Ion: 96 Resp: 241386
Ion Ratio Lower Upper
96 100
61 142.7 0.0 292.8
98 64.4 0.0 129.2

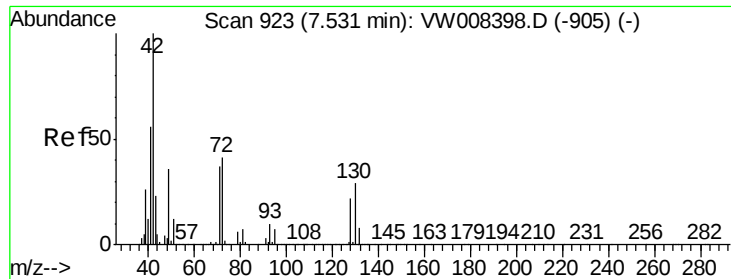


#28

Bromochloromethane
Concen: 45.210 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 49 Resp: 156144
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.6
130 77.8 58.6 87.8

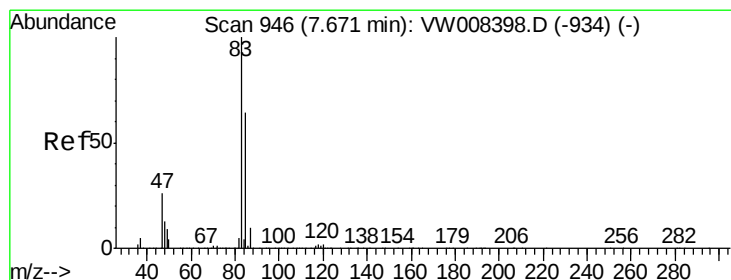
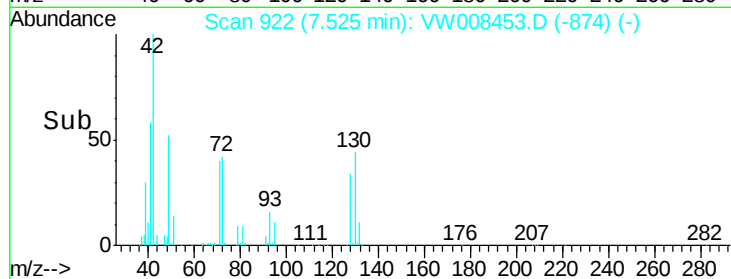
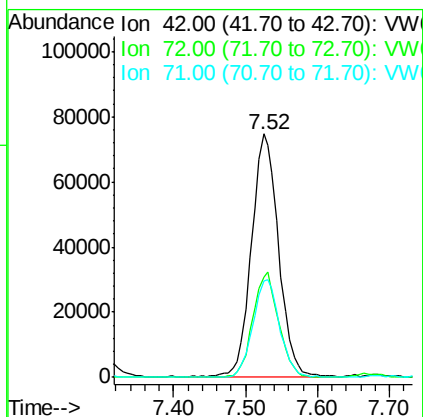
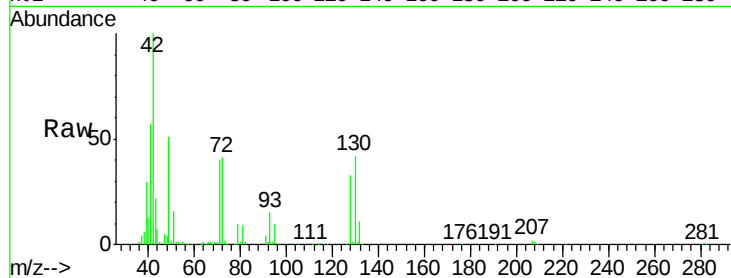




#29
Tetrahydrofuran
Concen: 247.801 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

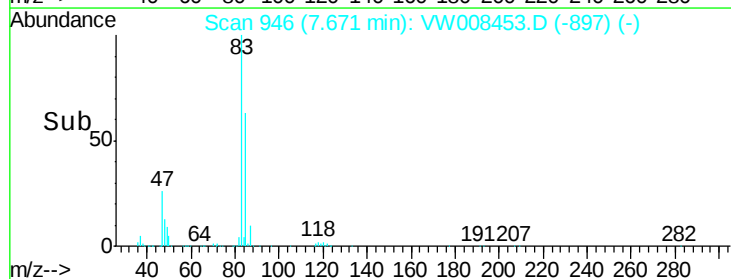
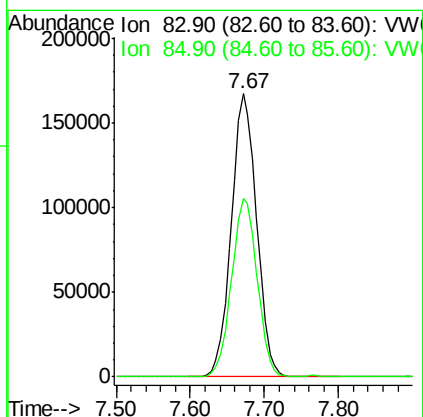
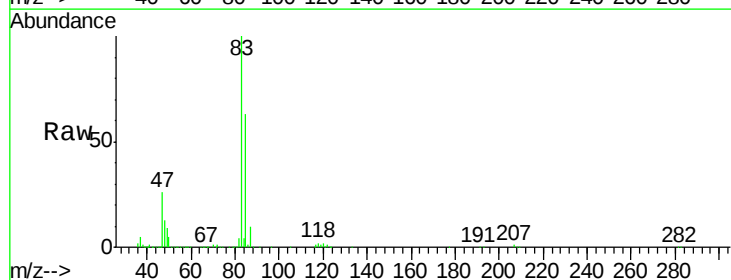
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

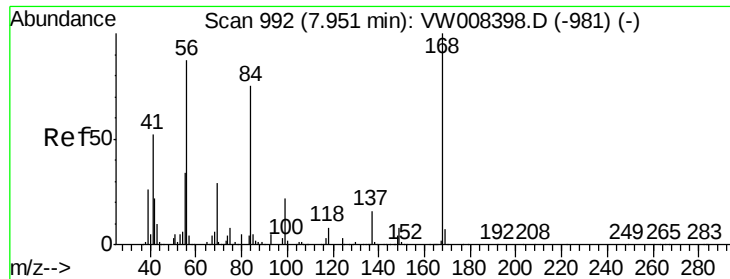
Tgt Ion: 42 Resp: 194055
Ion Ratio Lower Upper
42 100
72 41.5 31.9 47.9
71 39.9 29.9 44.9



#30
Chloroform
Concen: 53.857 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 83 Resp: 398340
Ion Ratio Lower Upper
83 100
85 63.0 50.9 76.3

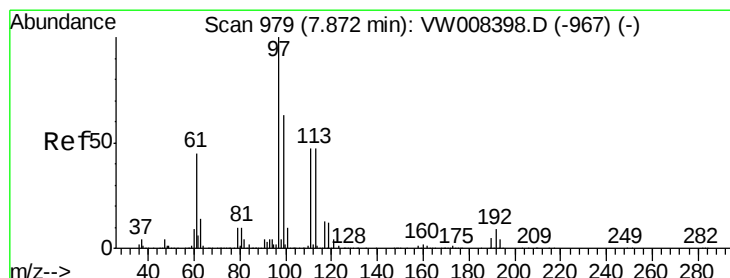
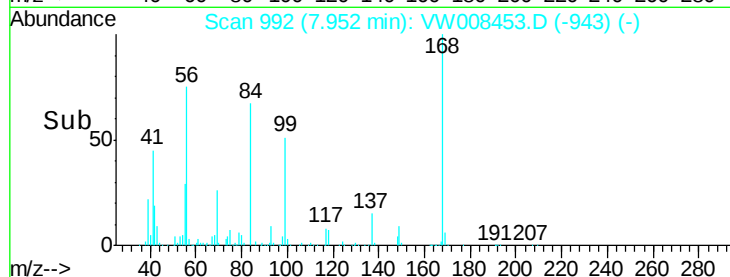
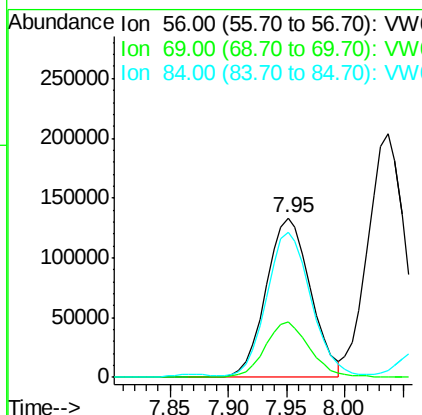
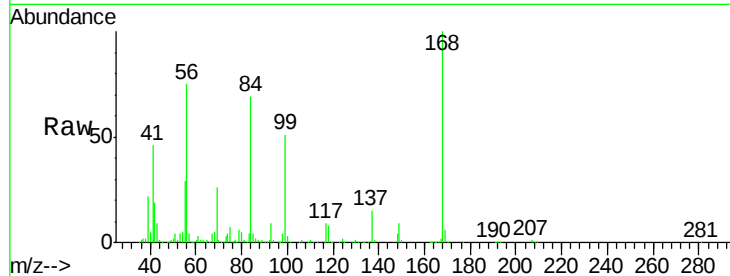




#31
Cyclohexane
Concen: 45.218 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

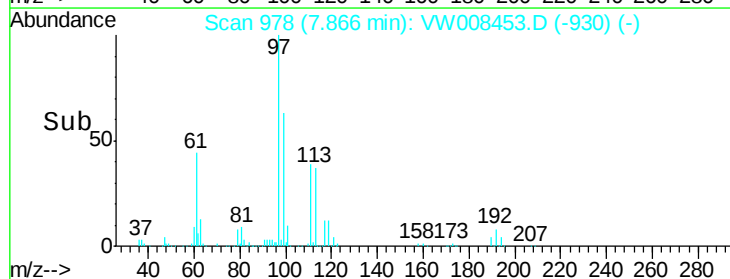
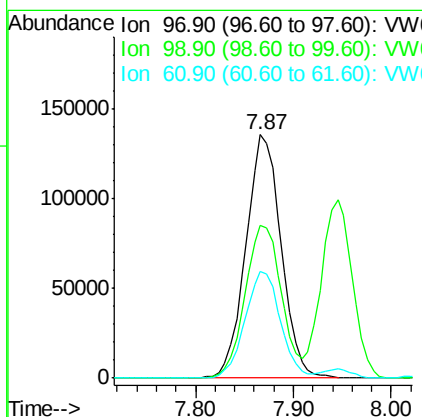
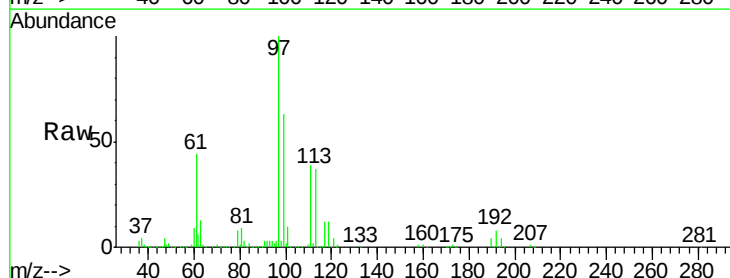
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

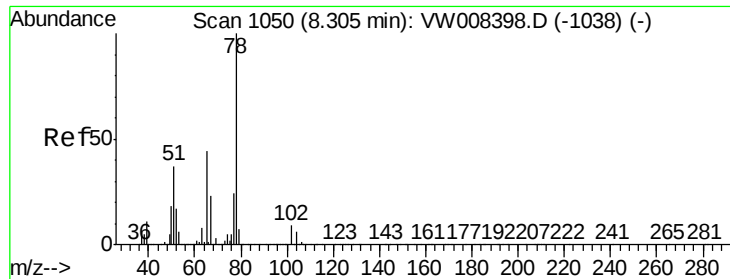
Tgt Ion: 56 Resp: 351591
Ion Ratio Lower Upper
56 100
69 34.4 26.4 39.6
84 89.4 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 53.437 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 97 Resp: 341373
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 44.1 36.2 54.4

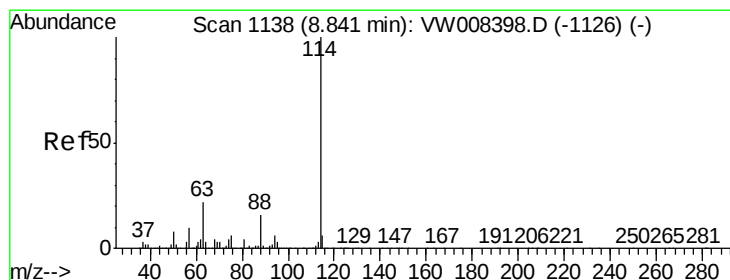
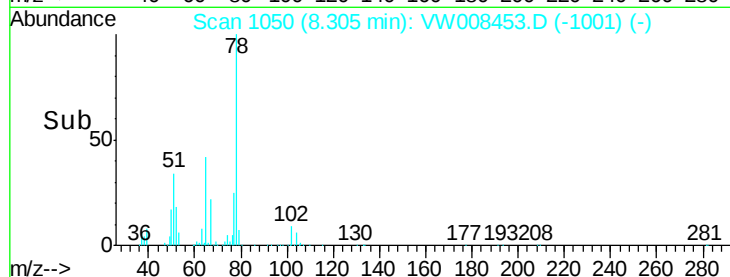
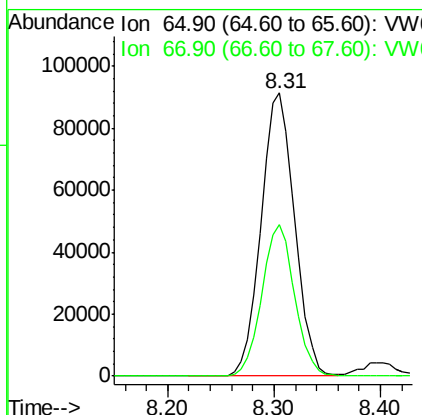
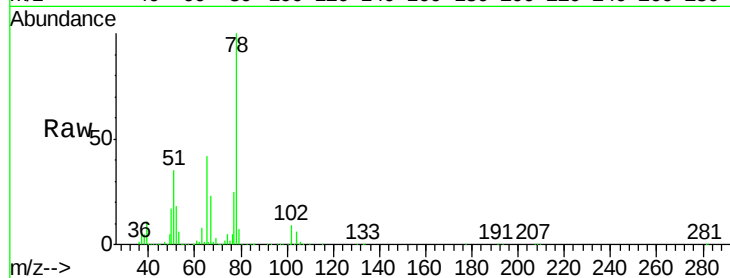




#33
 1,2-Dichloroethane-d4
 Concen: 50.804 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

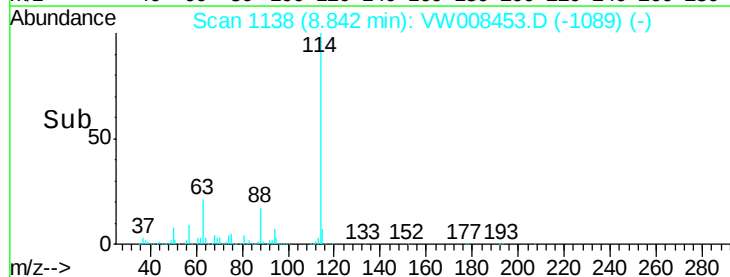
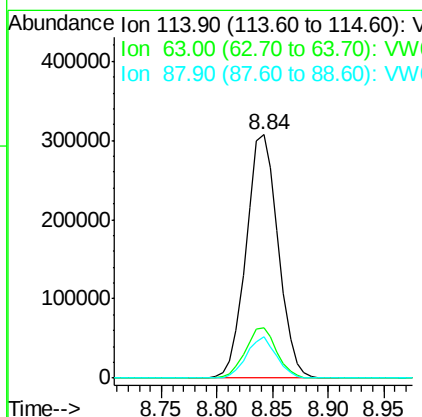
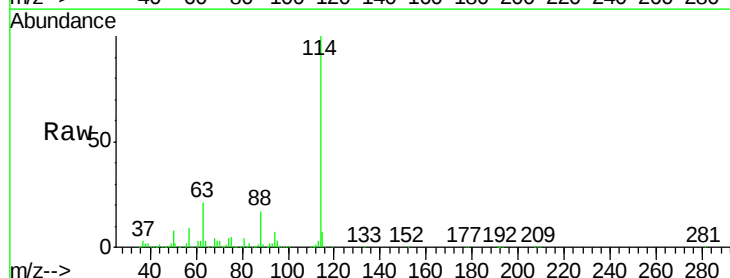
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

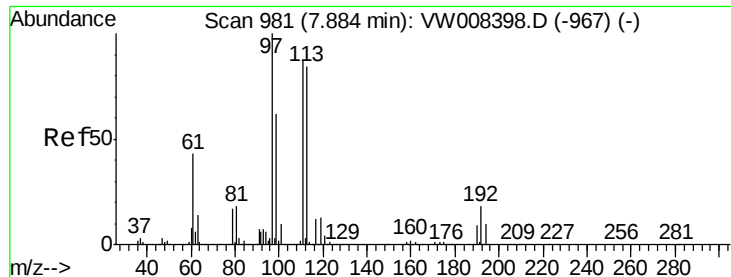
Tgt Ion: 65 Resp: 201277
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 114 Resp: 615138
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.6
 88 16.8 0.0 31.8

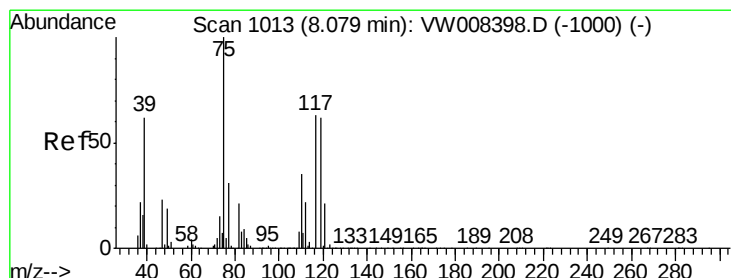
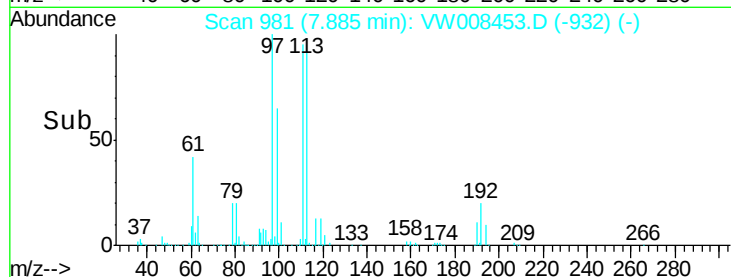
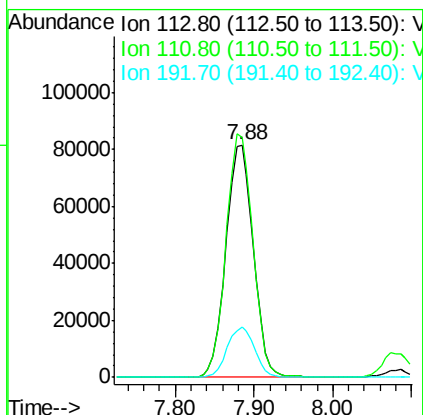
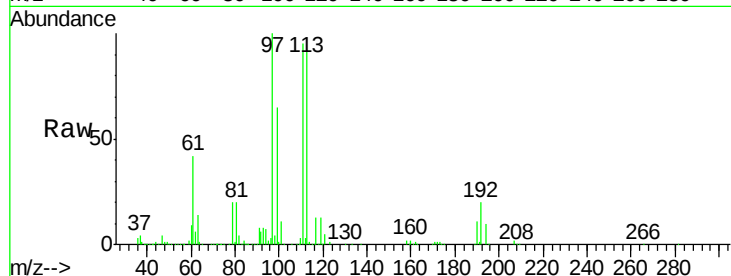




#35
 Dibromofluoromethane
 Concen: 54.898 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

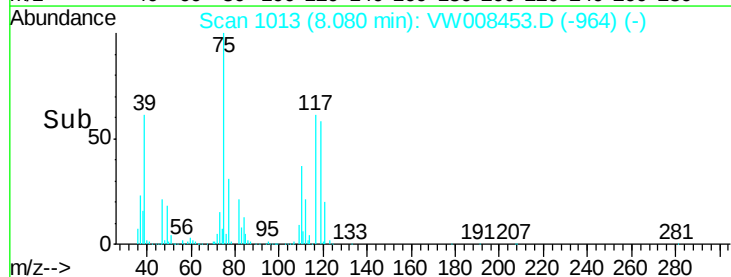
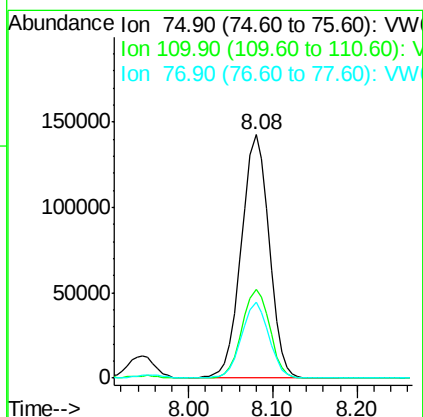
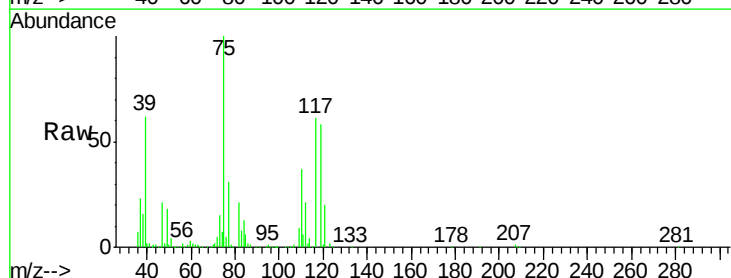
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

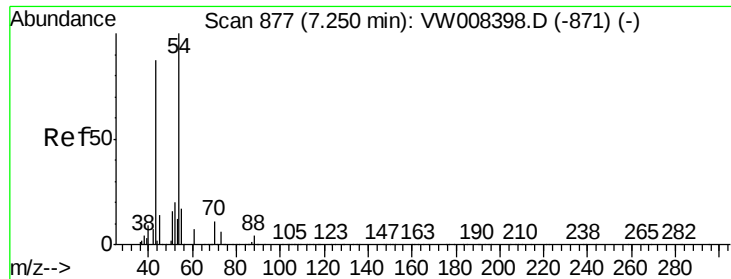
Tgt Ion: 113 Resp: 197465
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.4
 192 21.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 54.593 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 75 Resp: 317221
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.3 52.0
 77 30.5 24.7 37.1

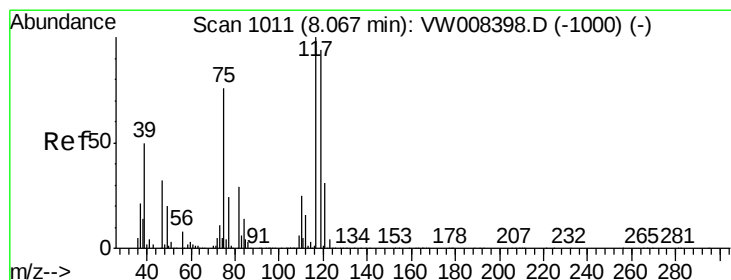
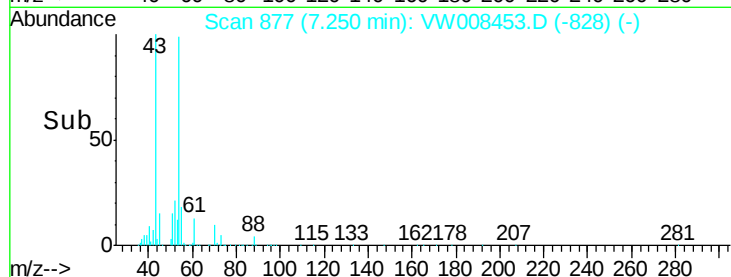
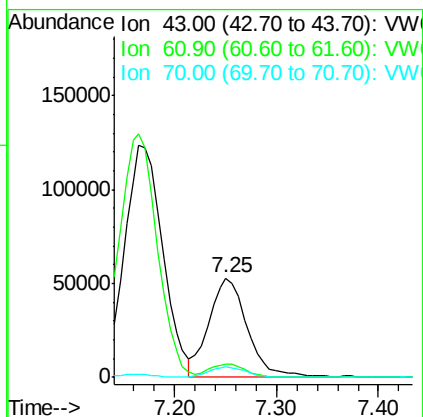
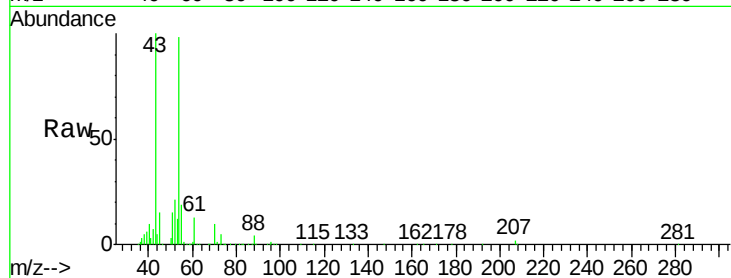




#37
Ethyl Acetate
Concen: 52.765 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

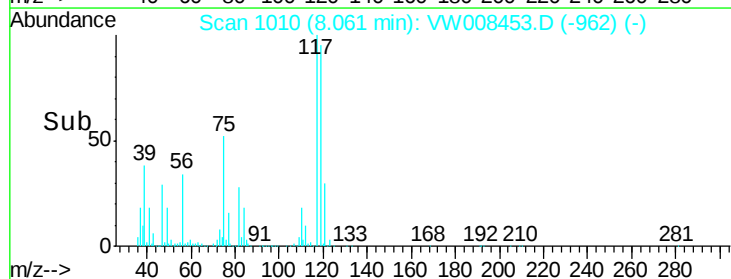
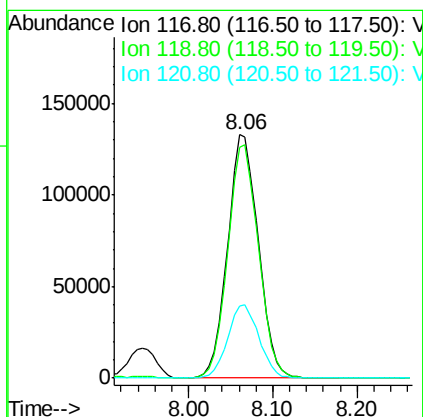
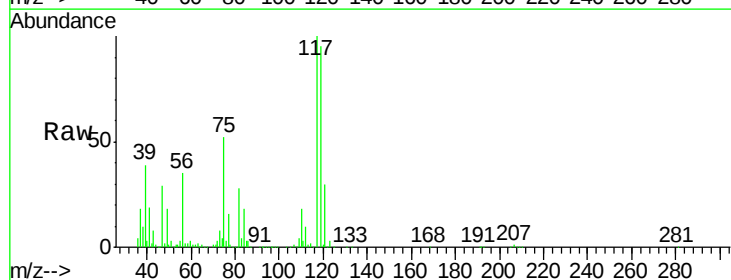
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

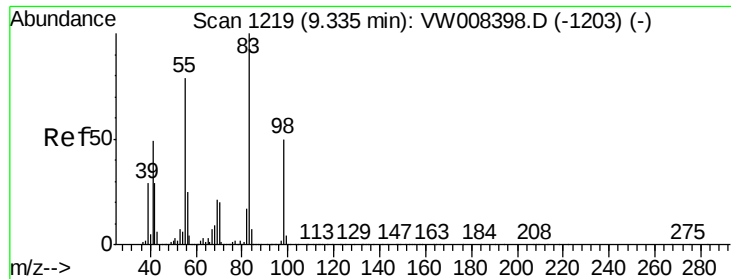
Tgt Ion: 43 Resp: 135649
Ion Ratio Lower Upper
43 100
61 12.8 10.1 15.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 56.298 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 117 Resp: 329186
Ion Ratio Lower Upper
117 100
119 94.5 75.0 112.4
121 29.8 24.9 37.3

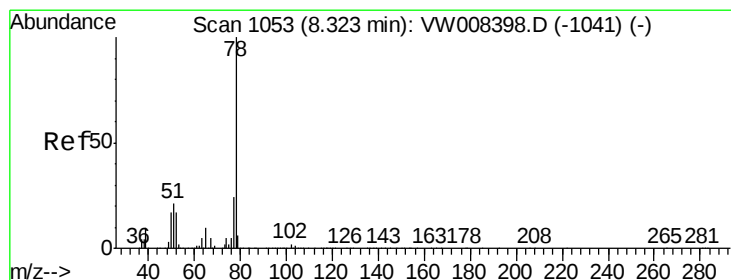
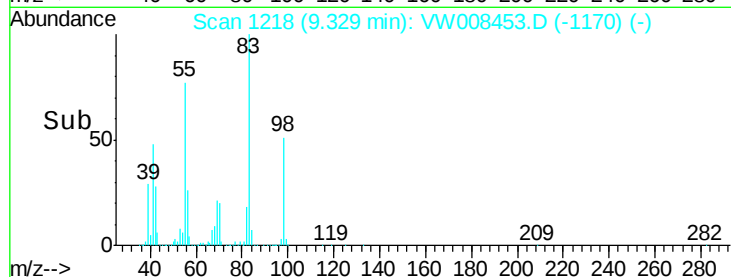
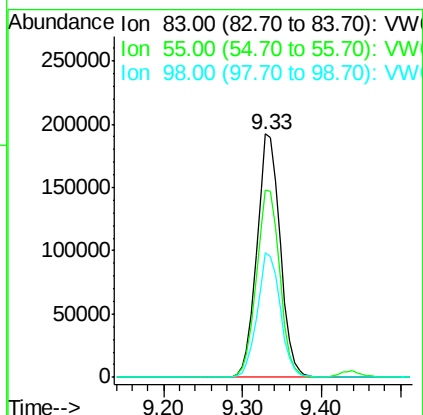
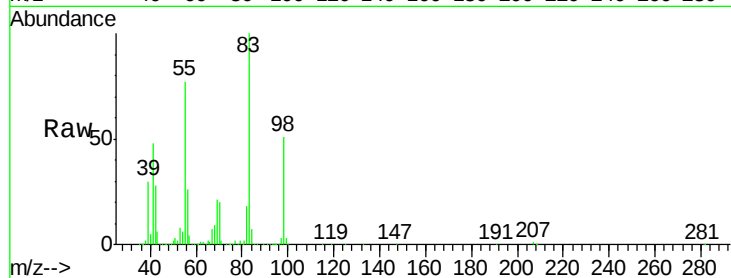




#39
Methylcyclohexane
Concen: 51.649 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

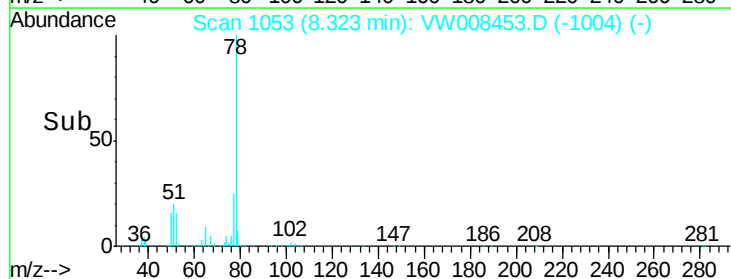
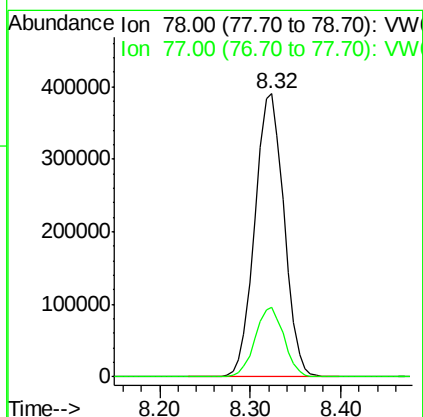
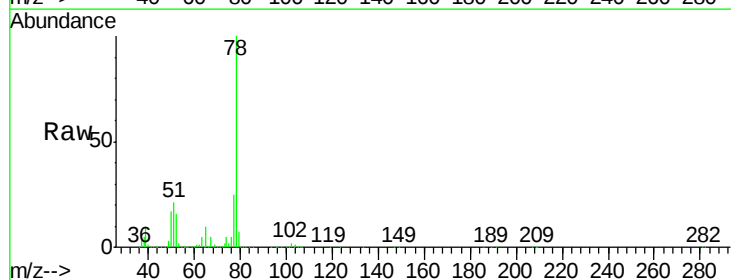
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

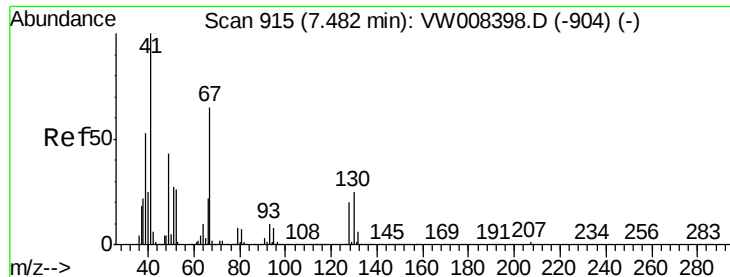
Tgt Ion: 83 Resp: 394252
Ion Ratio Lower Upper
83 100
55 76.9 63.3 94.9
98 51.0 39.7 59.5



#40
Benzene
Concen: 53.943 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 78 Resp: 869776
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

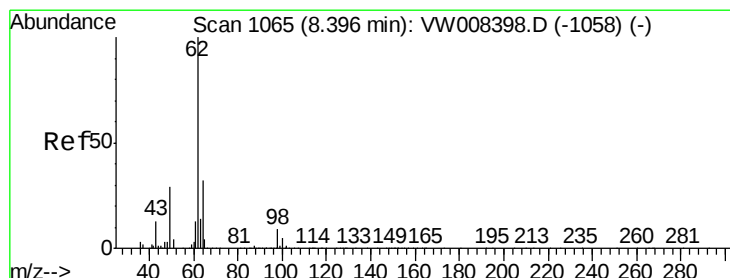
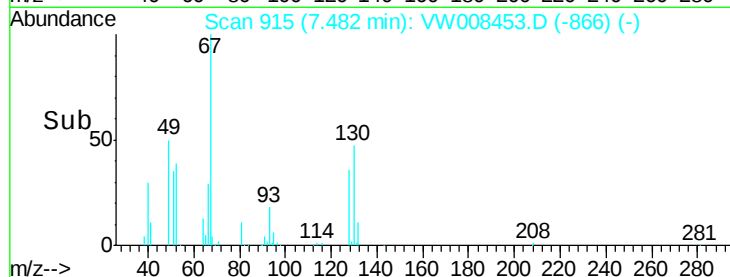
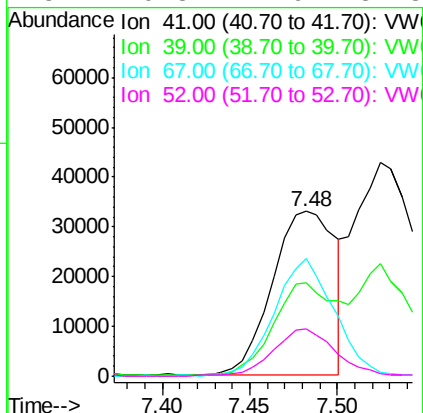
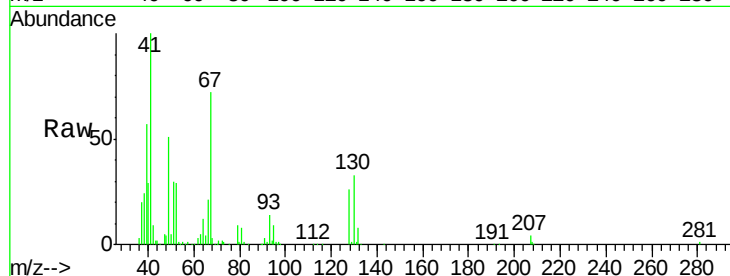




#41
Methacrylonitrile
Concen: 53.918 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

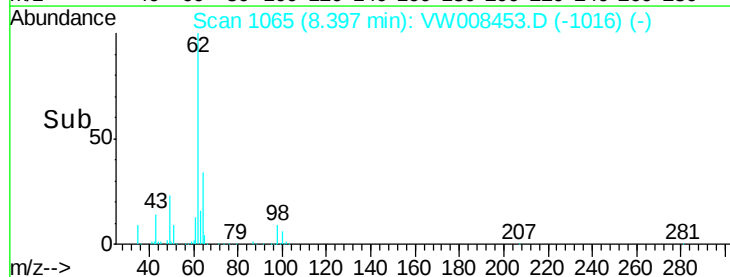
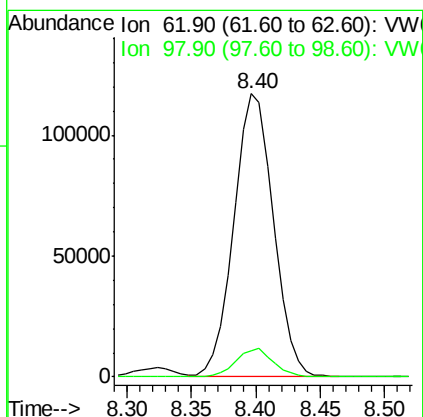
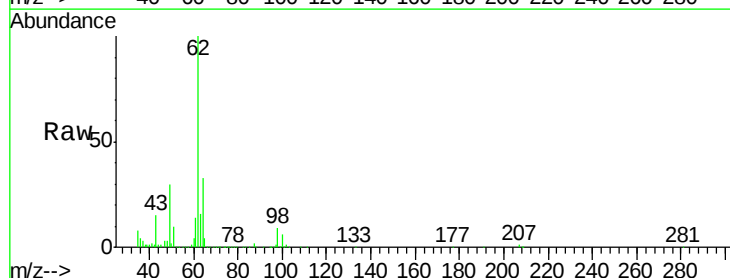
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

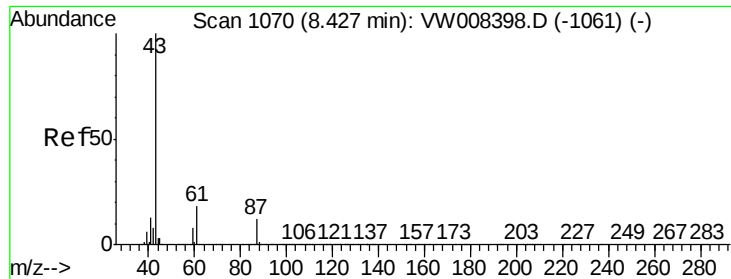
Tgt Ion:	41	Resp:	82074
Ion	Ratio	Lower	Upper
41	100		
39	60.5	43.4	65.0
67	68.7	54.2	81.2
52	29.3	22.9	34.3



#42
1,2-Dichloroethane
Concen: 53.279 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion:	62	Resp:	248955
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 52.386 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

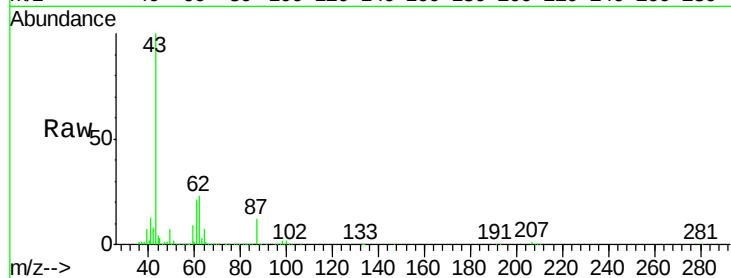
Tgt Ion: 43 Resp: 279790

Ion Ratio Lower Upper

43 100

61 28.7 22.0 33.0

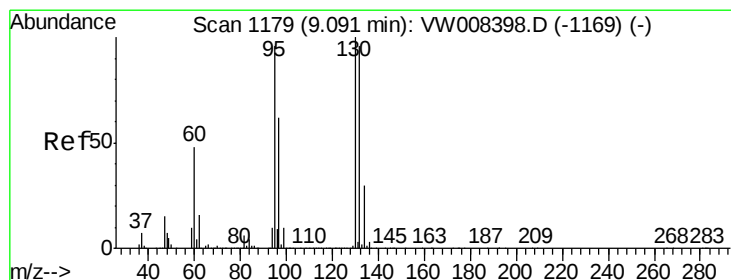
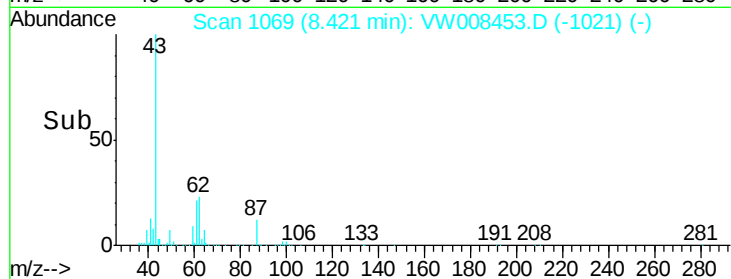
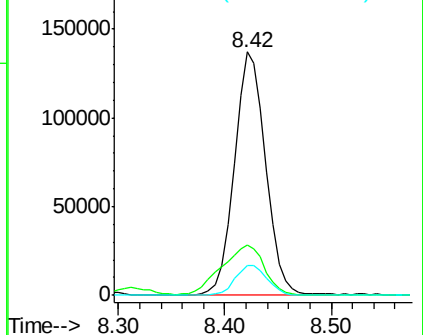
87 12.9 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.126 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008453.D

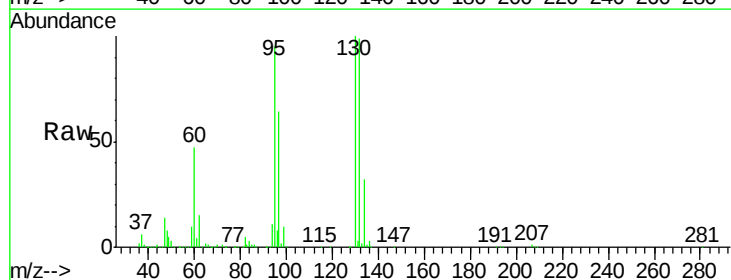
Acq: 29 Jan 2019 16:39

Tgt Ion: 130 Resp: 246090

Ion Ratio Lower Upper

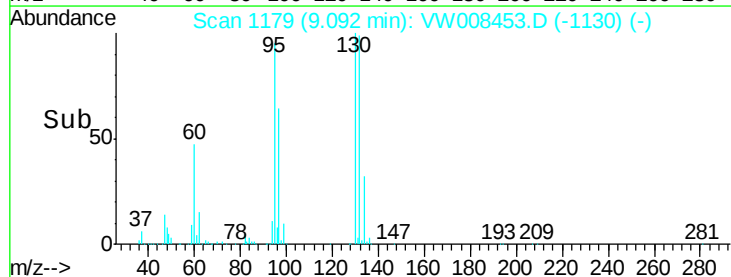
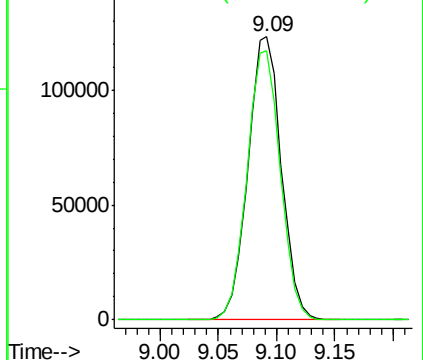
130 100

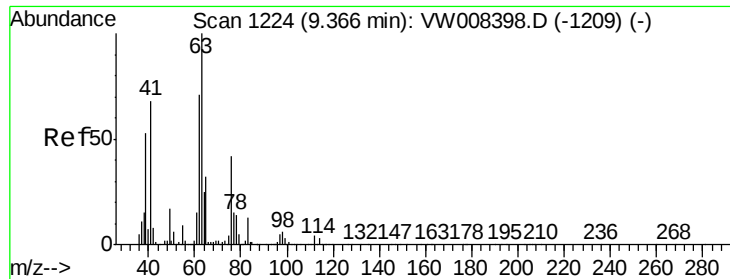
95 95.1 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

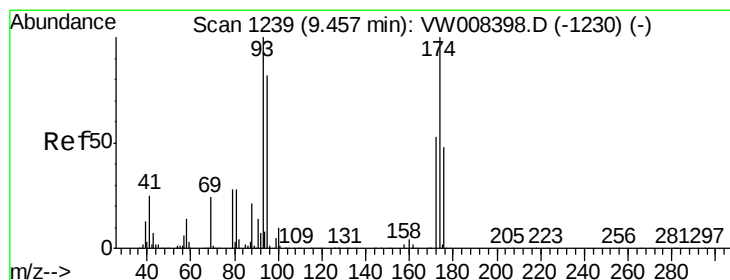
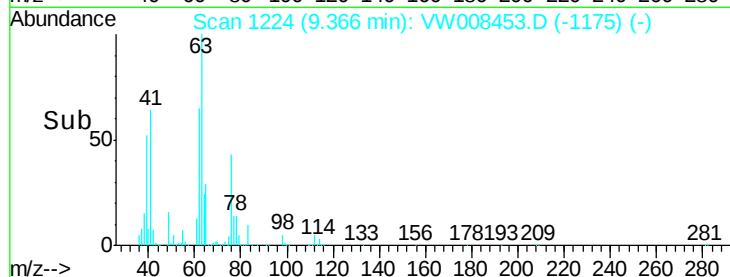
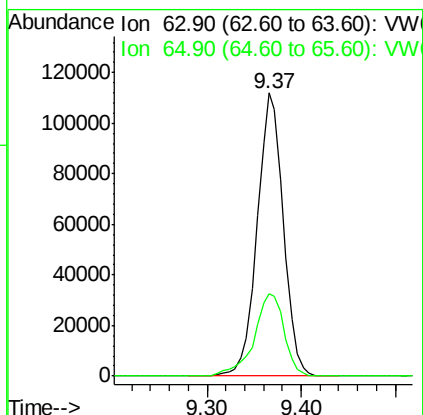
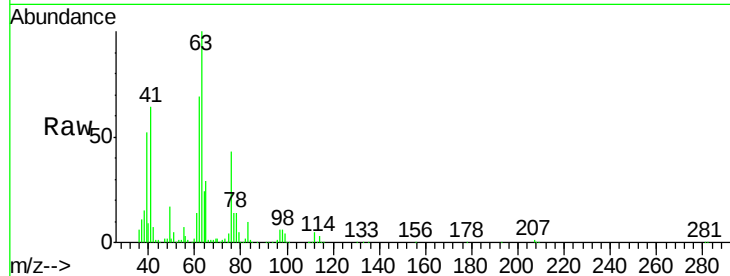




#45
 1,2-Dichloropropane
 Concen: 54.311 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

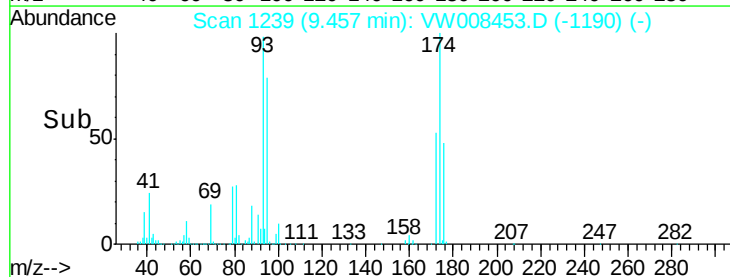
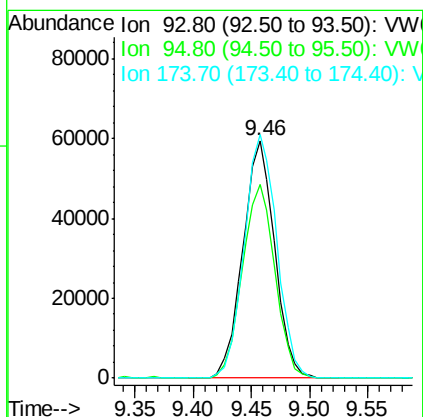
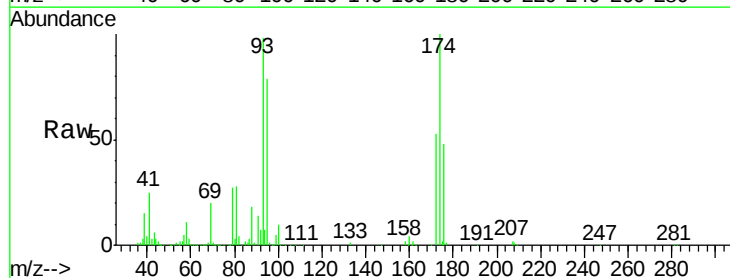
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

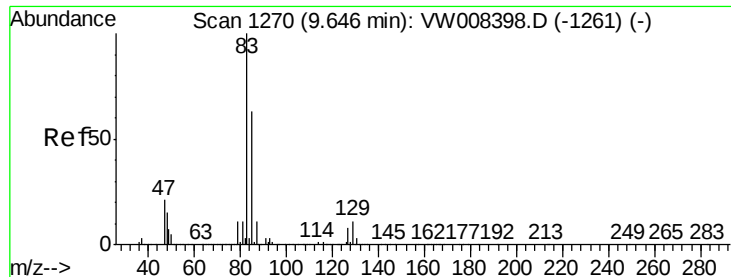
Tgt Ion: 63 Resp: 218345
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.2 37.8



#46
 Dibromomethane
 Concen: 54.933 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 93 Resp: 113589
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 105.1 81.0 121.6





#47

Bromodichloromethane

Concen: 55.085 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

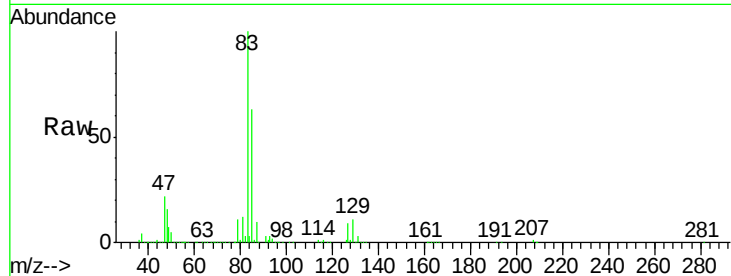
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

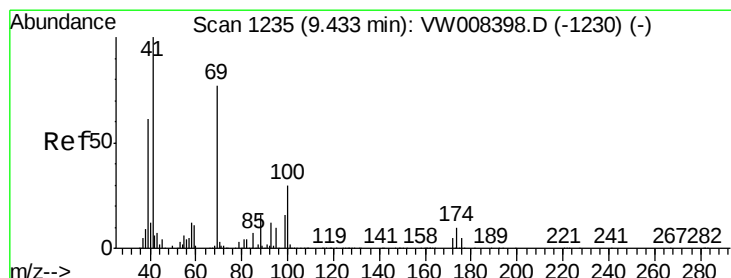
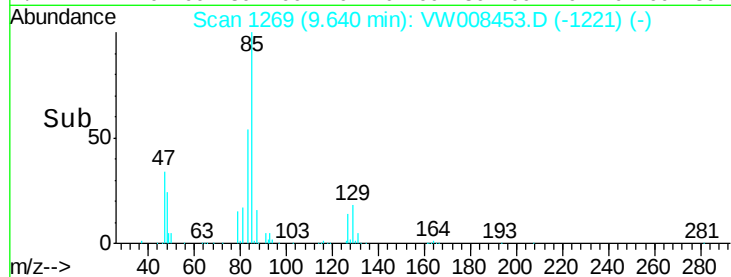
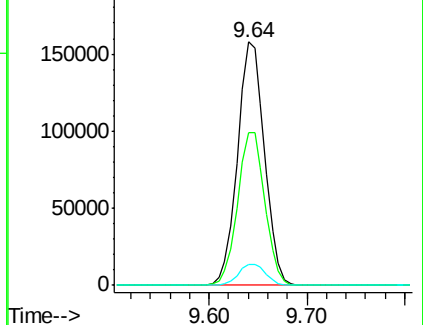
Tgt Ion:	83	Resp:	301277
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.8	76.2
127	8.6	6.8	10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.939 ug/l

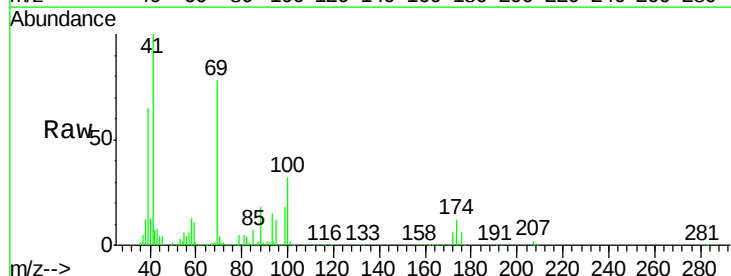
RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

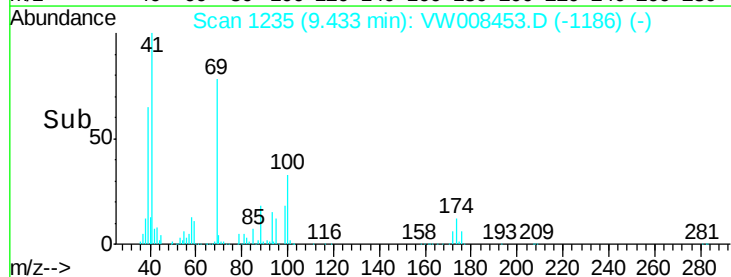
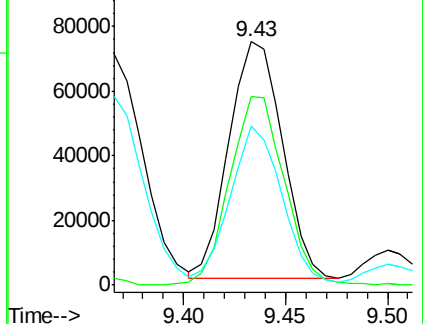
Tgt Ion:	41	Resp:	133027
Ion	Ratio	Lower	Upper
41	100		
69	81.4	64.8	97.2
39	65.2	49.1	73.7

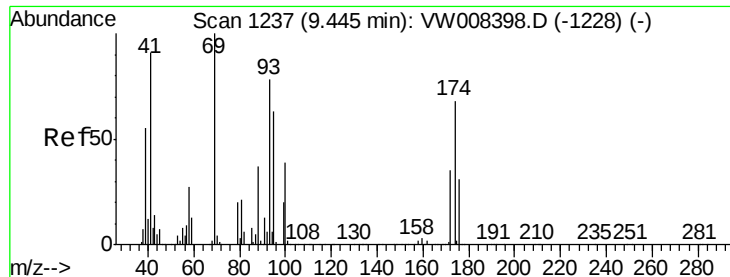


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

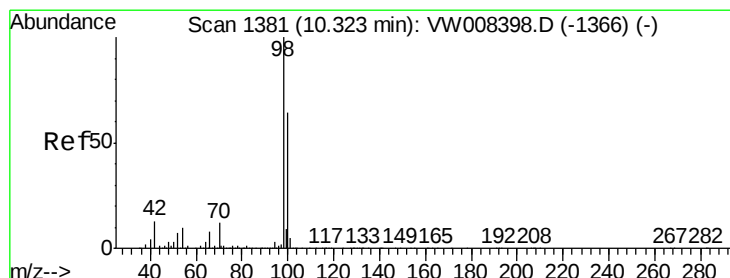
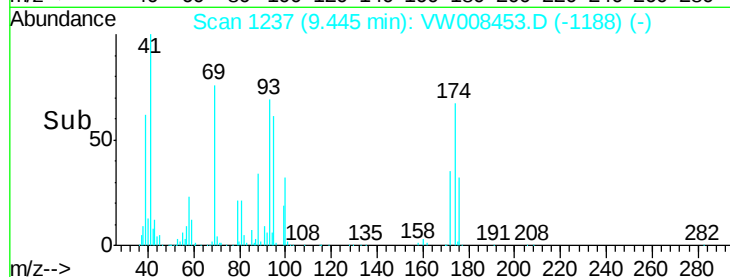
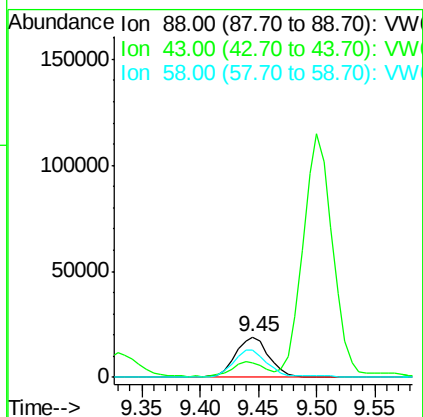
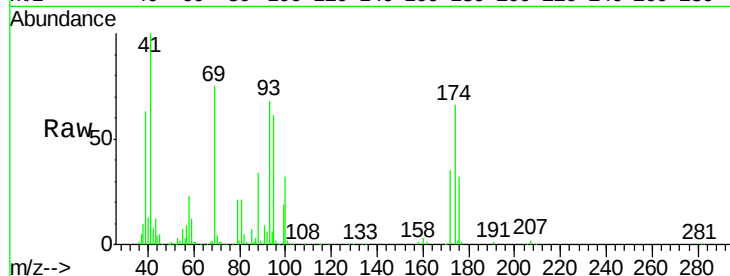




#49
1,4-Dioxane
Concen: 1094.846 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

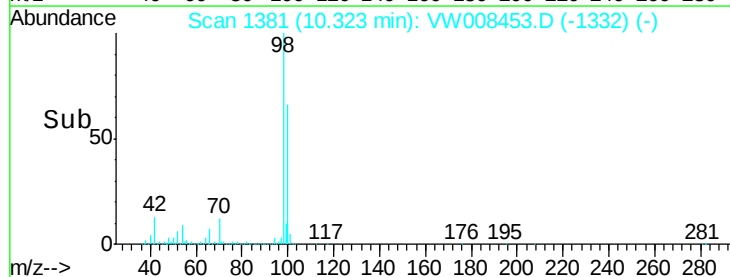
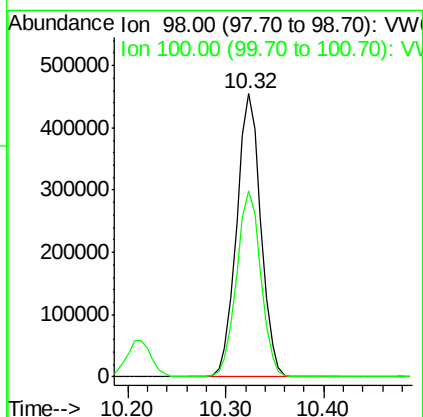
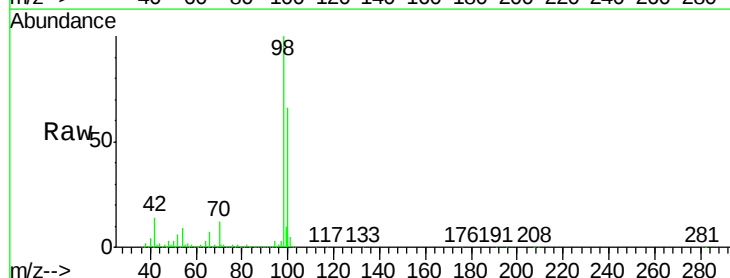
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

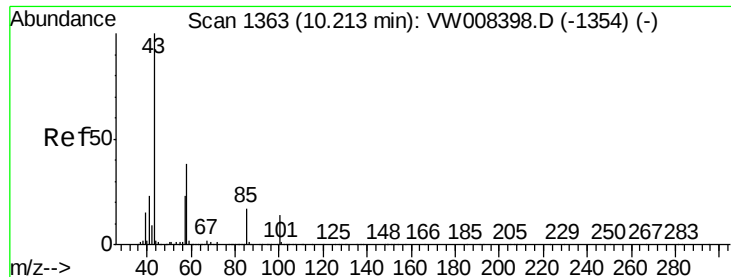
Tgt Ion: 88 Resp: 38267
Ion Ratio Lower Upper
88 100
43 33.6 29.0 43.4
58 72.9 56.4 84.6



#50
Toluene-d8
Concen: 53.979 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 98 Resp: 778586
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

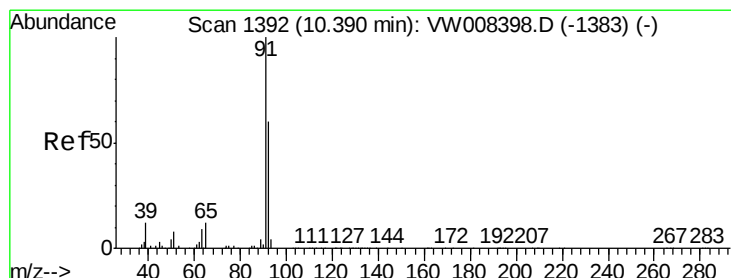
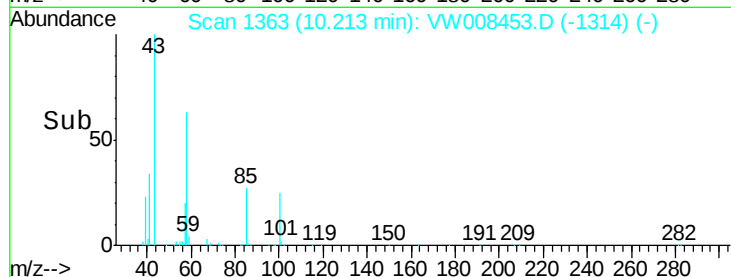
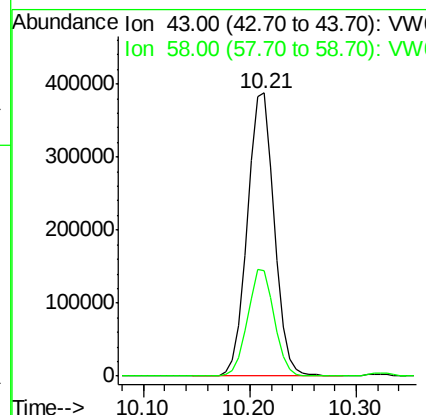
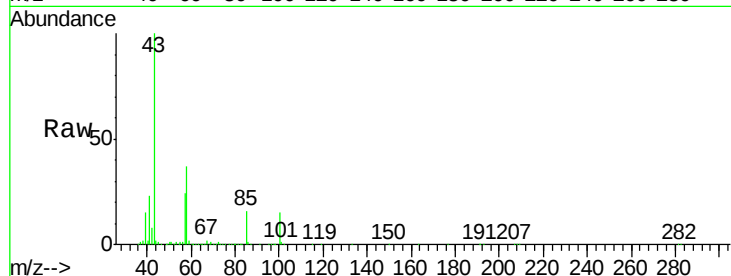




#51
4-Methyl-2-Pentanone
Concen: 260.595 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

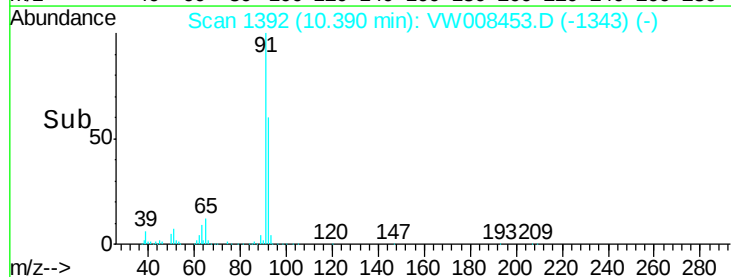
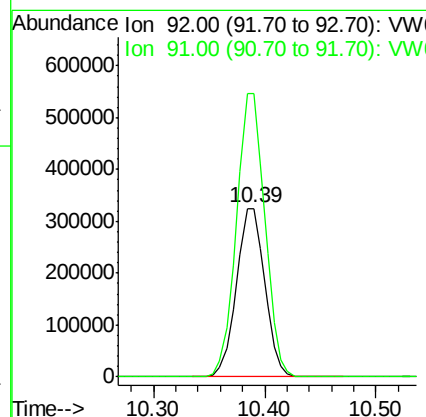
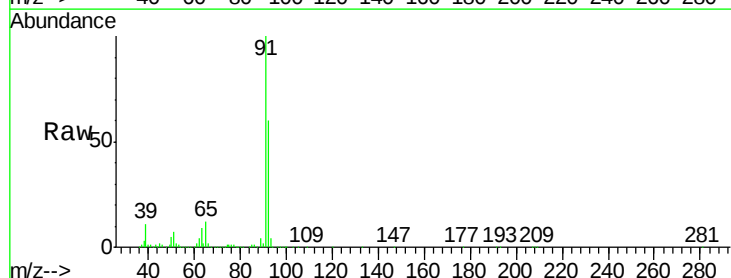
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

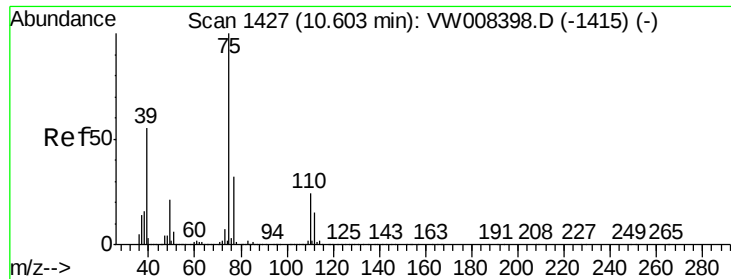
Tgt Ion: 43 Resp: 687601
Ion Ratio Lower Upper
43 100
58 37.5 29.7 44.5



#52
Toluene
Concen: 53.723 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 92 Resp: 571805
Ion Ratio Lower Upper
92 100
91 168.8 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.094 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

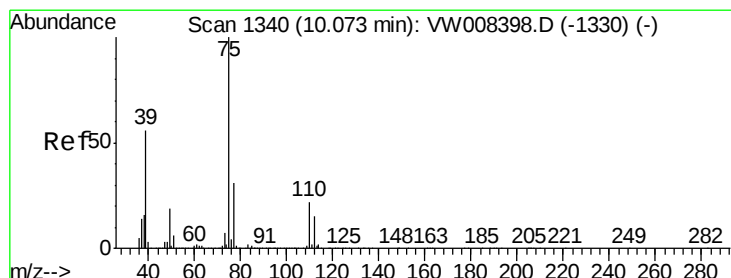
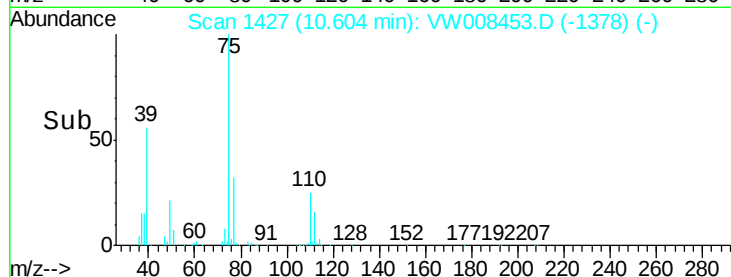
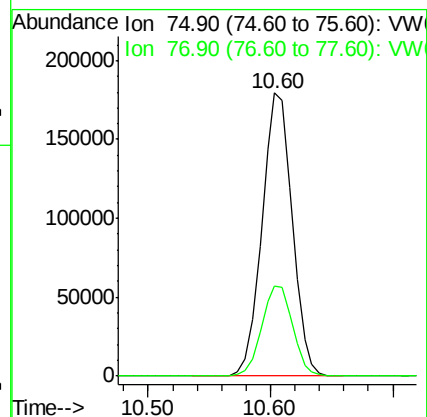
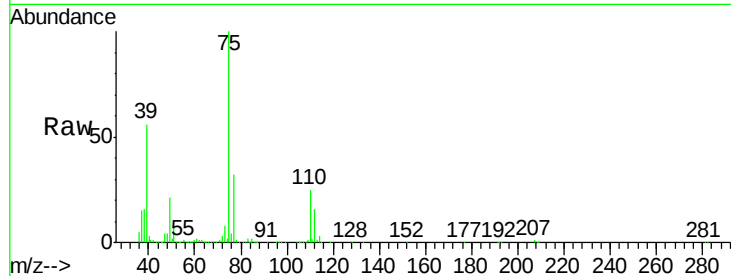
VSTDCCC050EC

Tgt Ion: 75 Resp: 308995

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 54.130 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

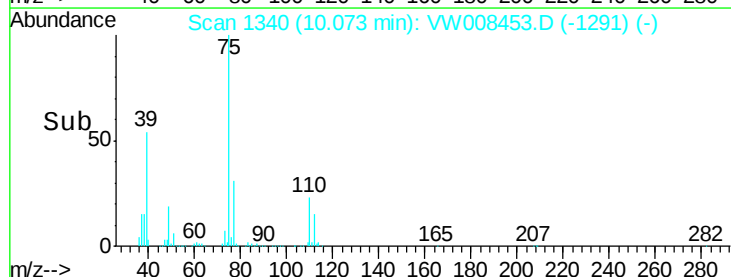
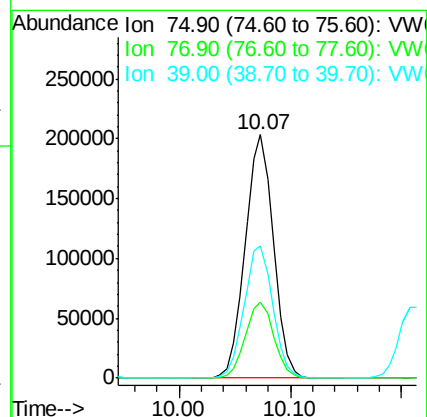
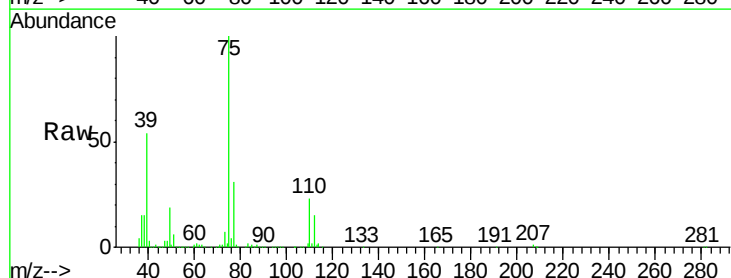
Tgt Ion: 75 Resp: 357500

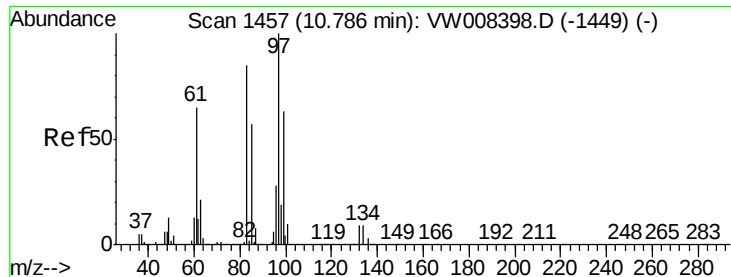
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 54.0 44.9 67.3

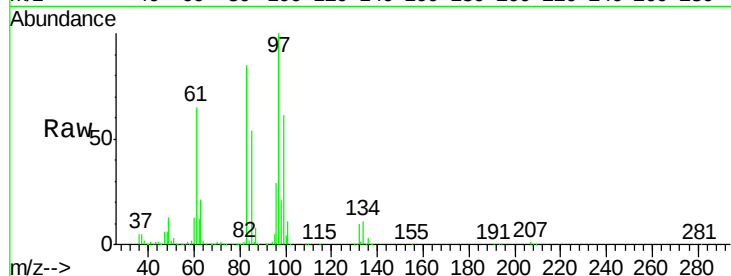




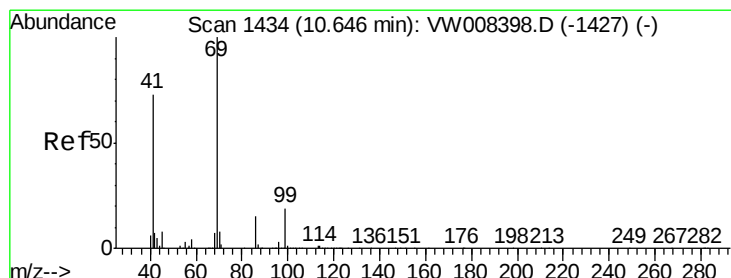
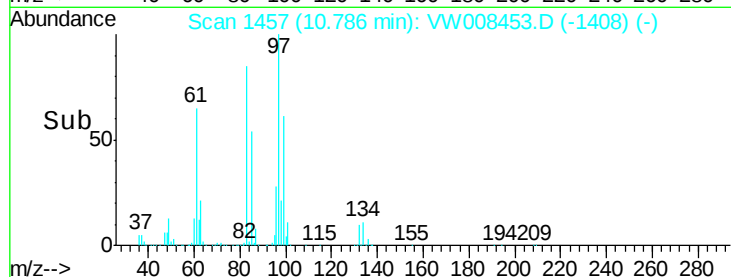
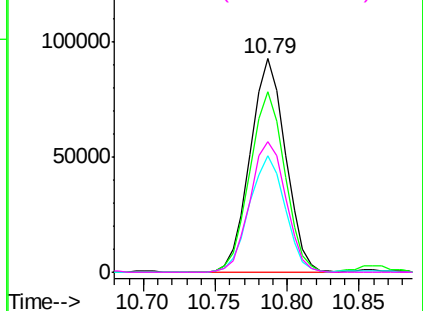
#55
 1,1,2-Trichloroethane
 Concen: 54.869 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	157371
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.4	102.6
85	54.3	45.3	67.9
99	61.3	50.6	76.0

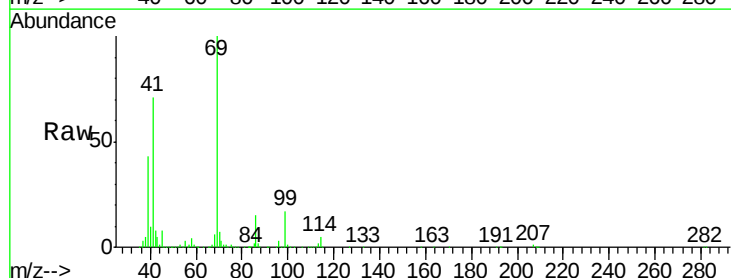


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

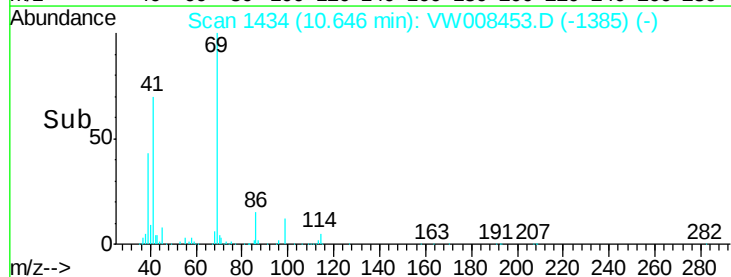
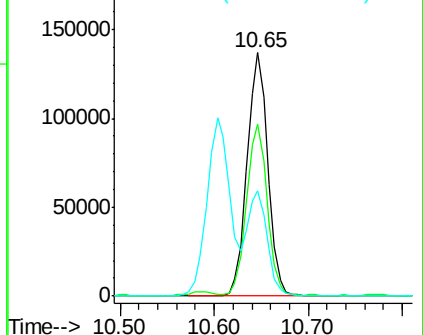


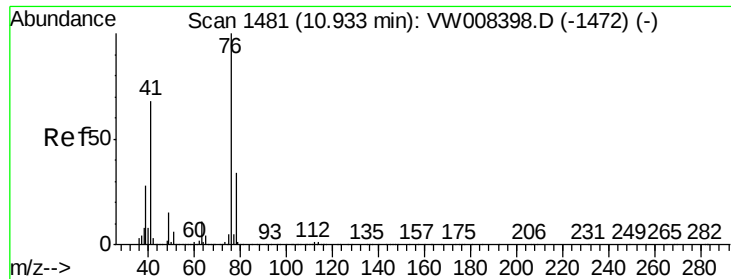
#56
 Ethyl methacrylate
 Concen: 52.660 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion:	69	Resp:	211634
Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.7	88.1
39	40.4	32.6	48.8



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

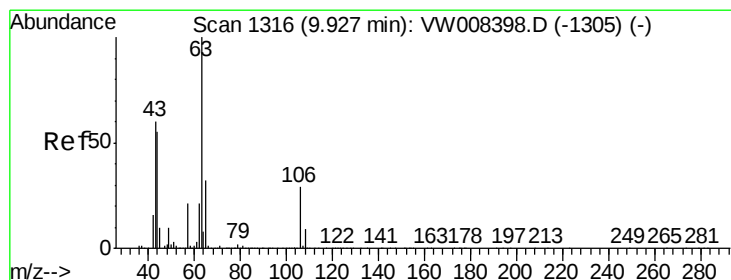
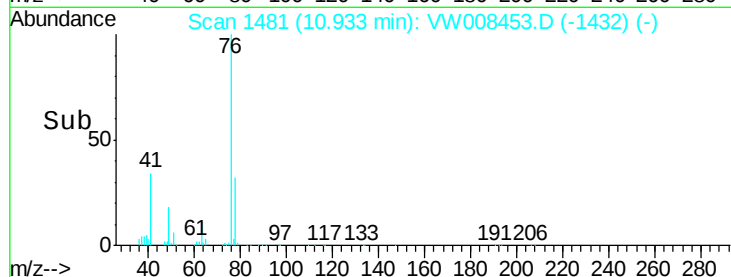
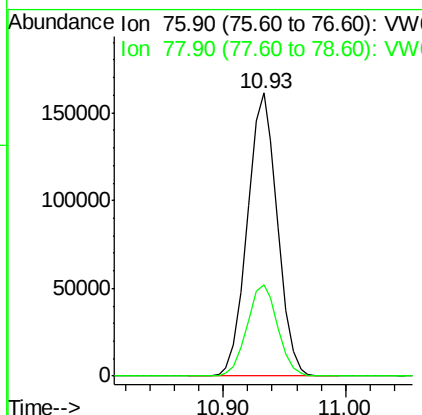
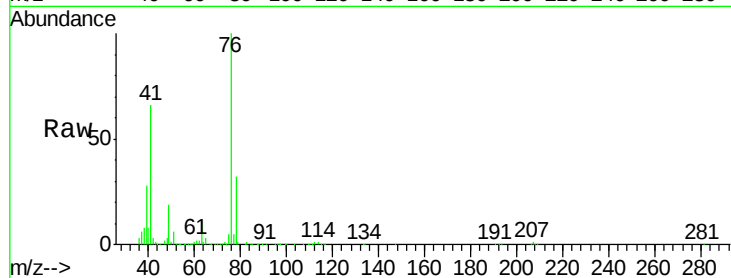




#57
 1,3-Dichloropropane
 Concen: 53.494 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

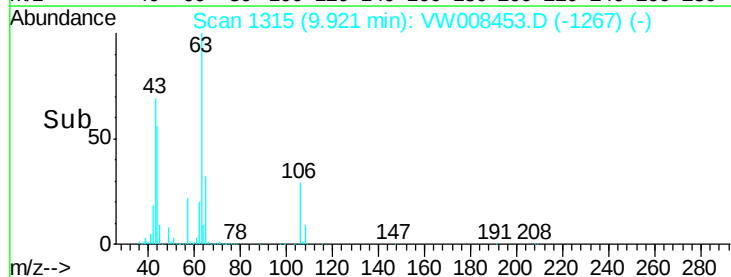
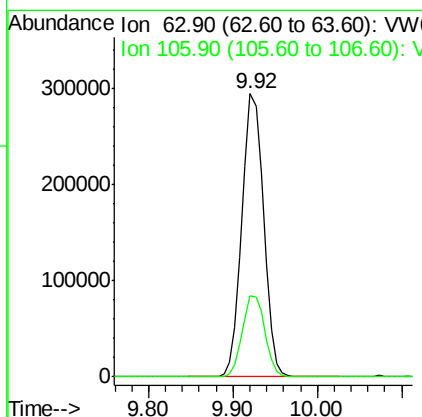
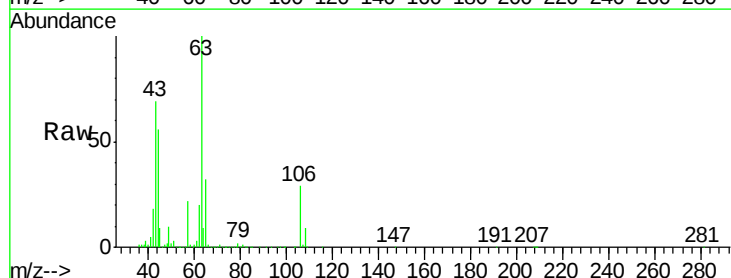
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

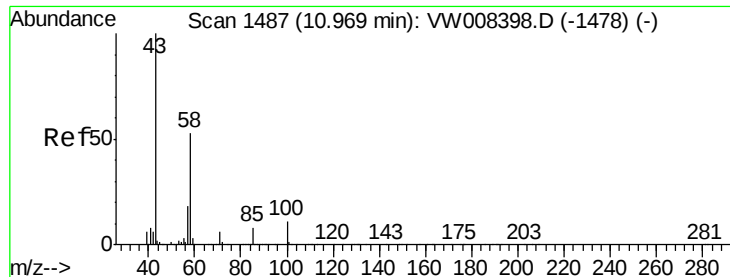
Tgt Ion: 76 Resp: 274867
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.322 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 63 Resp: 508320
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.4 33.6

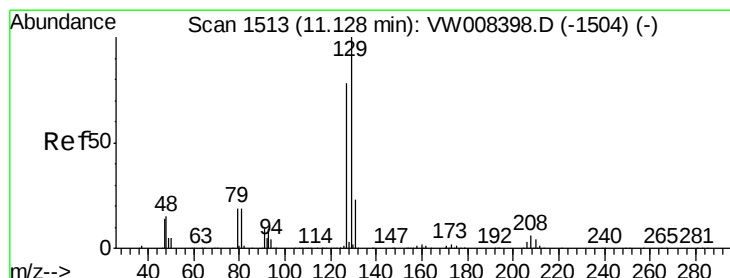
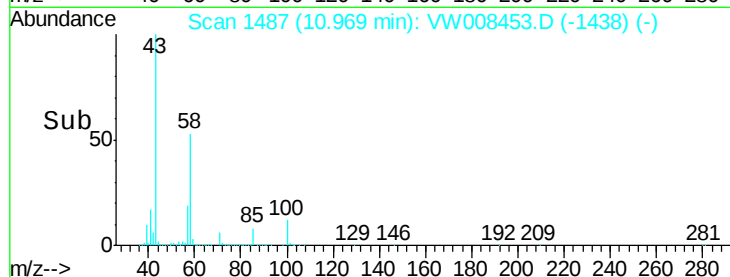
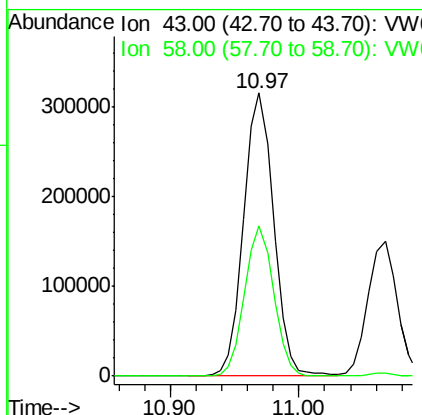
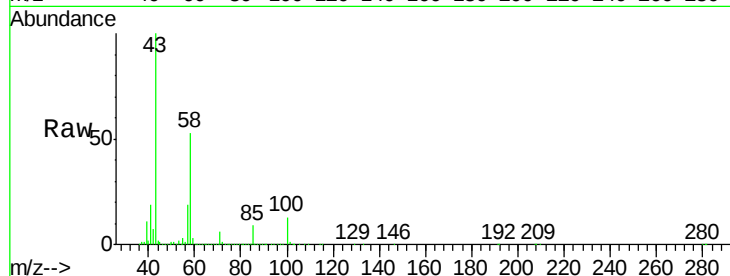




#59
2-Hexanone
Concen: 272.443 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

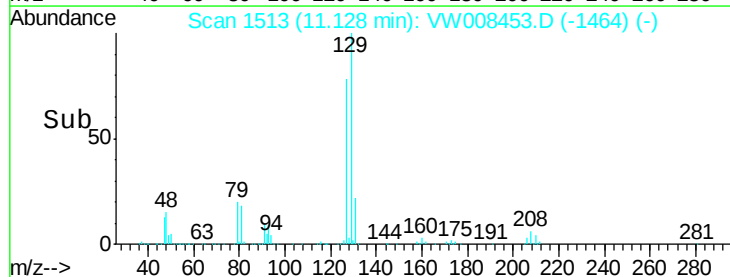
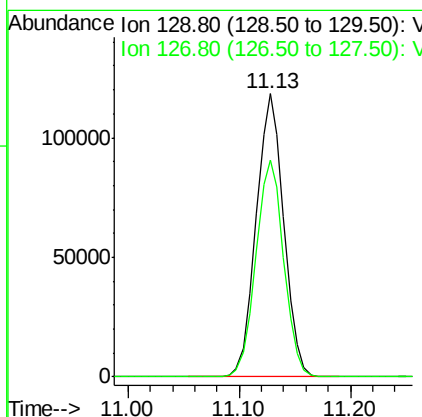
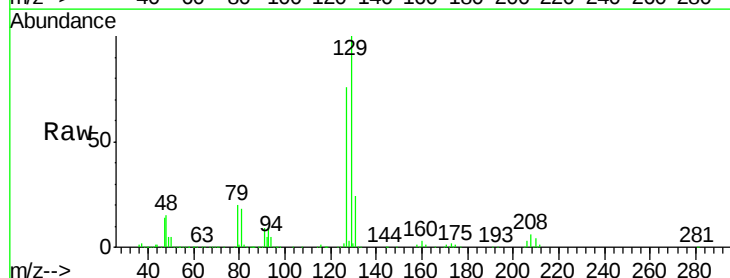
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

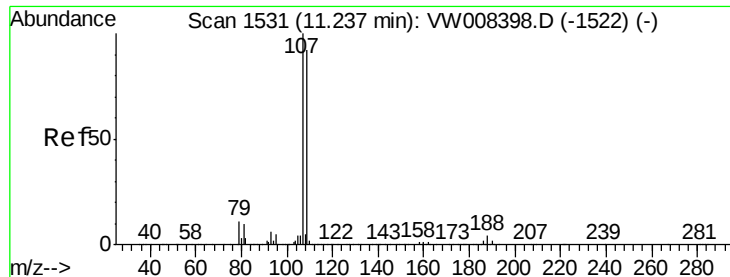
Tgt Ion: 43 Resp: 507487
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 55.497 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 129 Resp: 204550
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 54.023 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

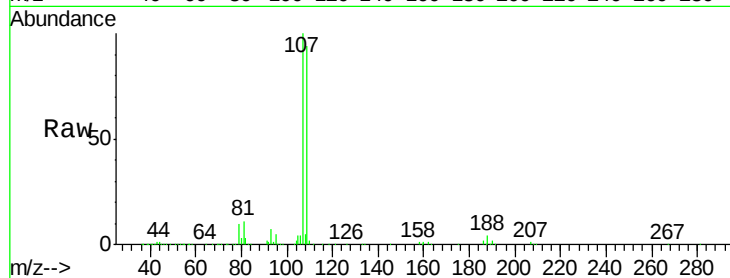
VSTDCCC050EC

Tgt Ion: 107 Resp: 153635

Ion Ratio Lower Upper

107 100

109 94.9 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

100000

80000

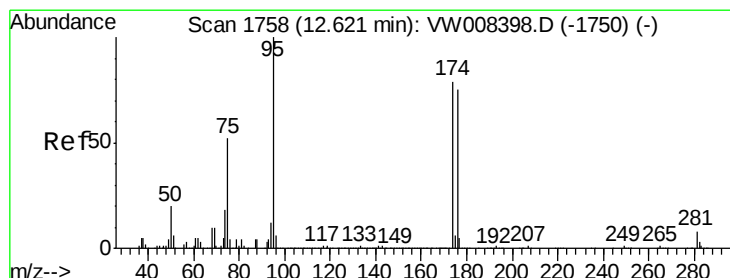
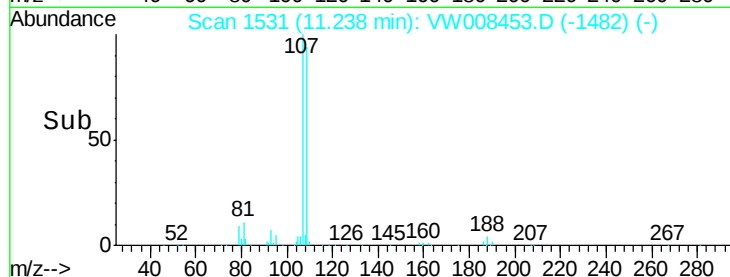
60000

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0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

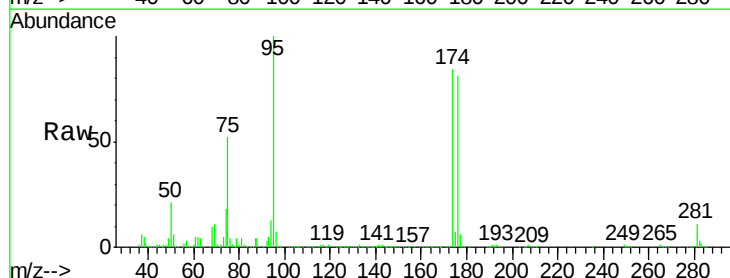
Tgt Ion: 95 Resp: 283199

Ion Ratio Lower Upper

95 100

174 82.1 0.0 157.6

176 80.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

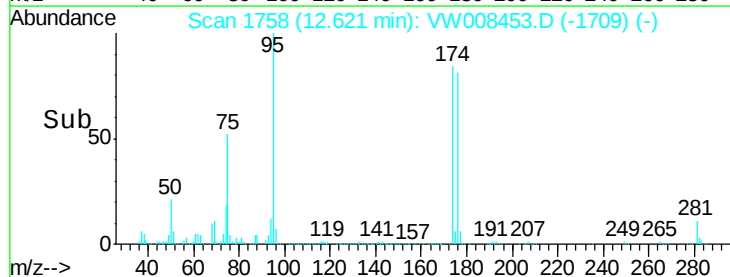
150000

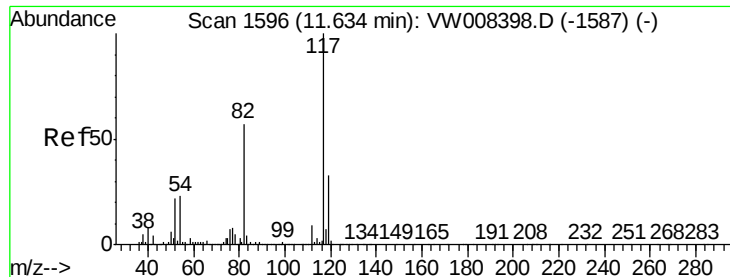
100000

50000

0

Time-->

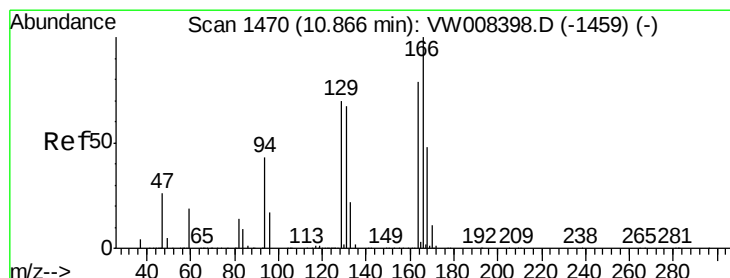
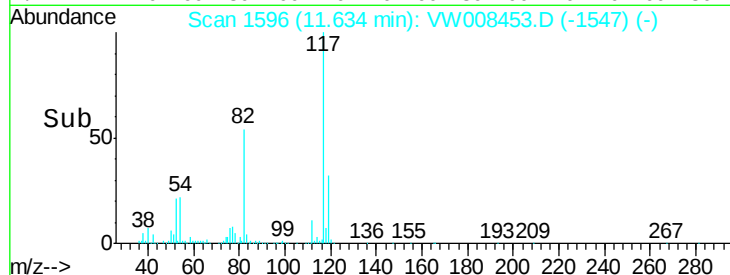
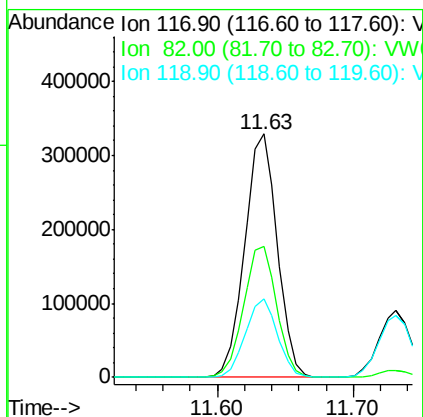
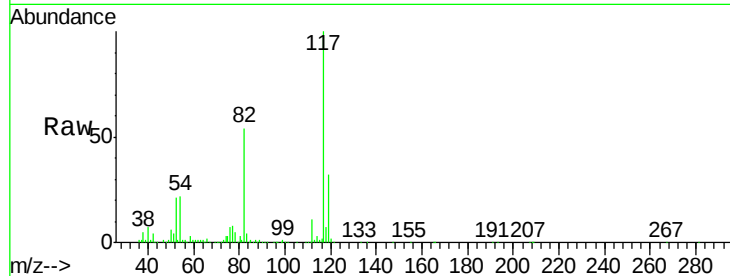




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

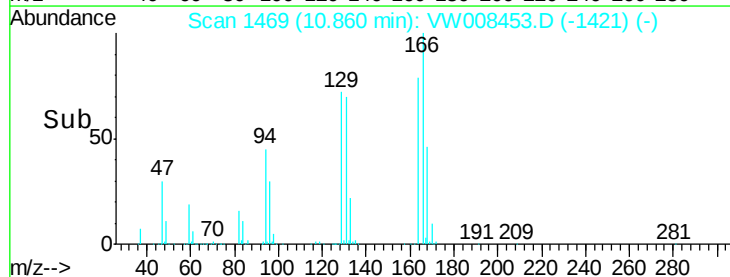
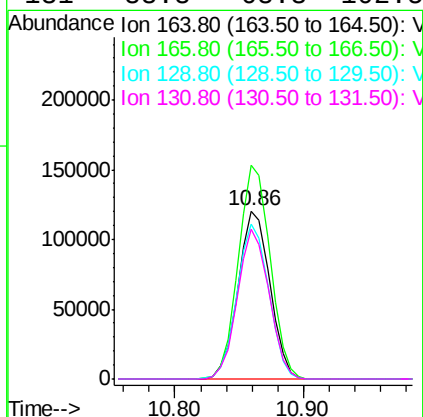
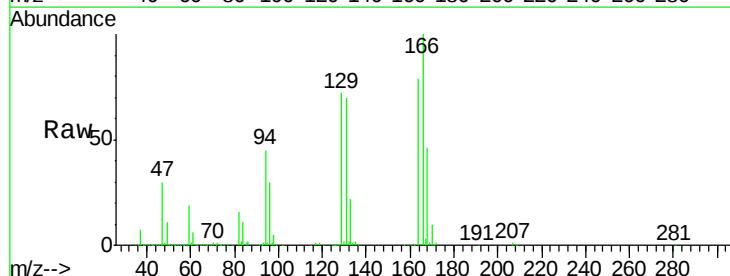
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

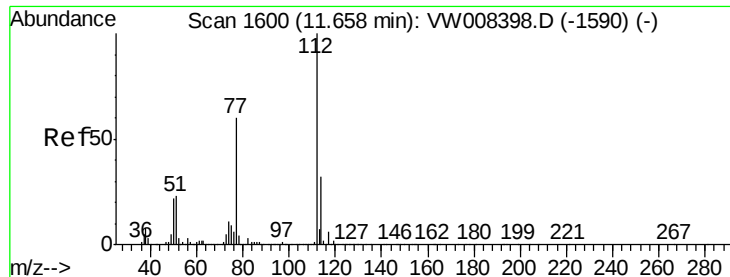
Tgt Ion:117 Resp: 551031
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 55.245 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion:164 Resp: 206111
Ion Ratio Lower Upper
164 100
166 127.0 101.4 152.0
129 91.9 71.0 106.6
131 88.8 68.3 102.5





#65

Chlorobenzene

Concen: 55.147 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

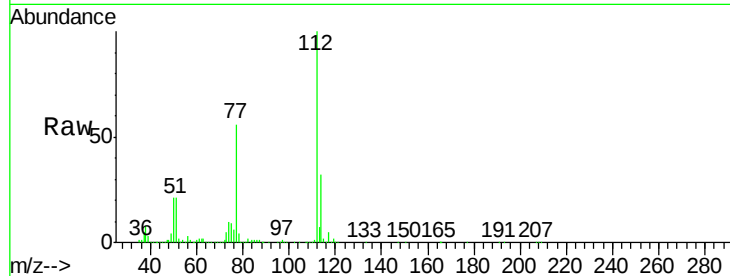
VSTDCCC050EC

Tgt Ion:112 Resp: 620324

Ion Ratio Lower Upper

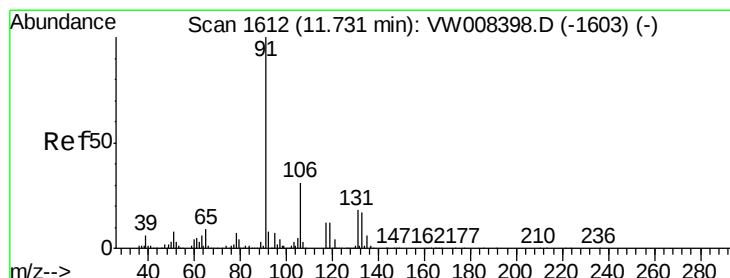
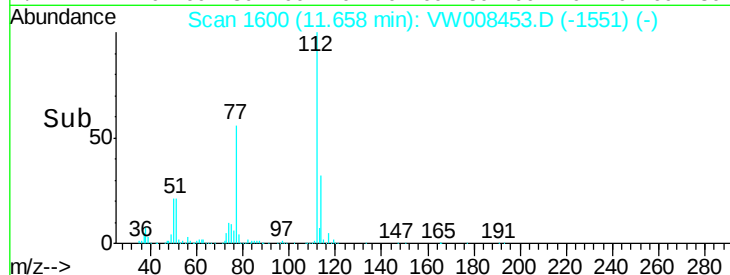
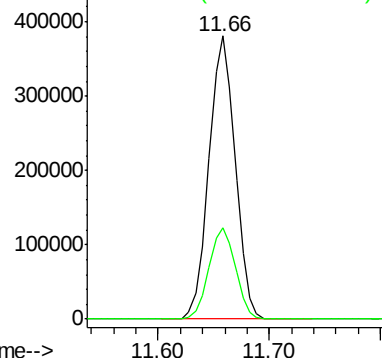
112 100

114 32.3 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.250 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

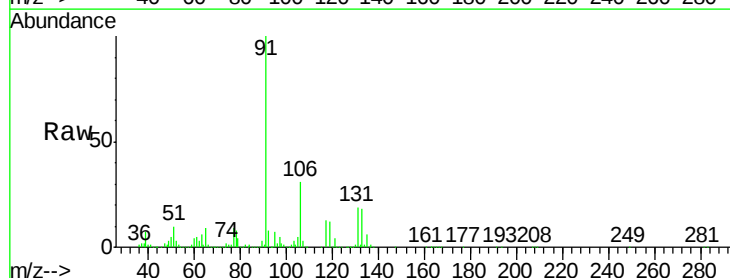
Tgt Ion:131 Resp: 226380

Ion Ratio Lower Upper

131 100

133 95.1 47.0 141.2

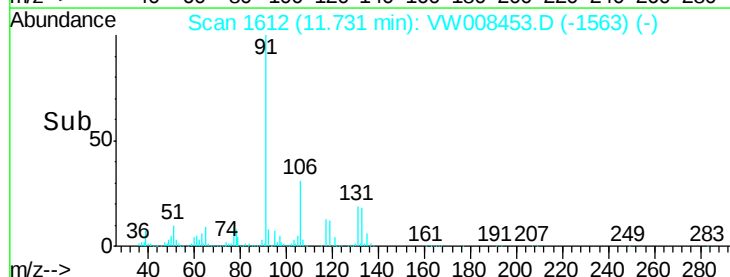
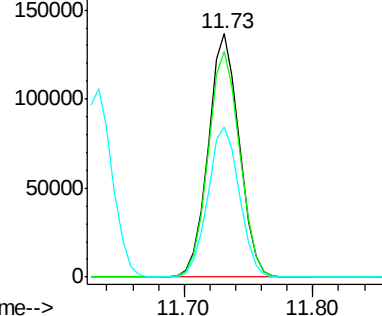
119 62.9 32.1 96.3

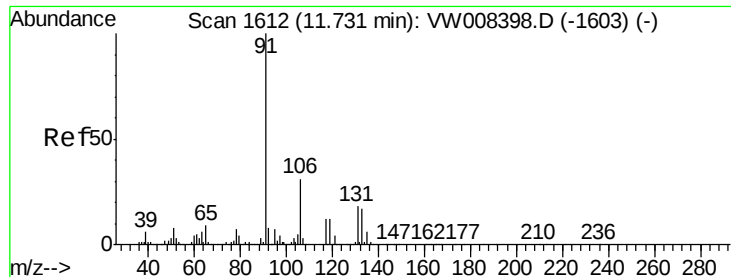


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

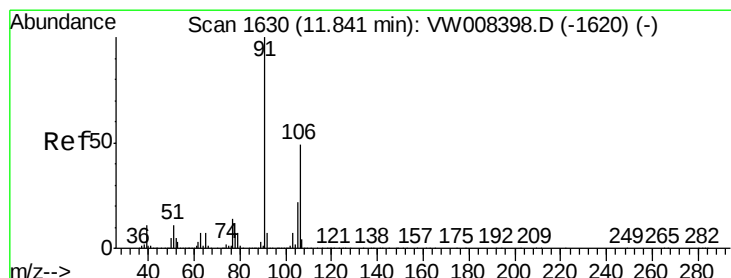
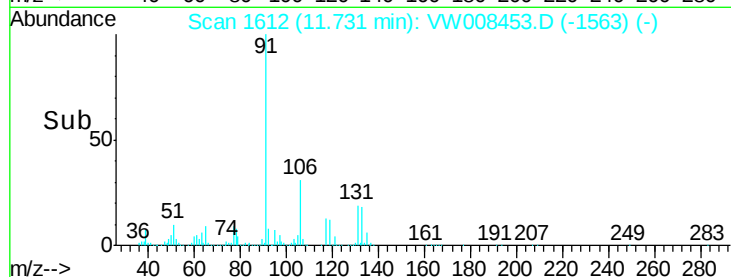
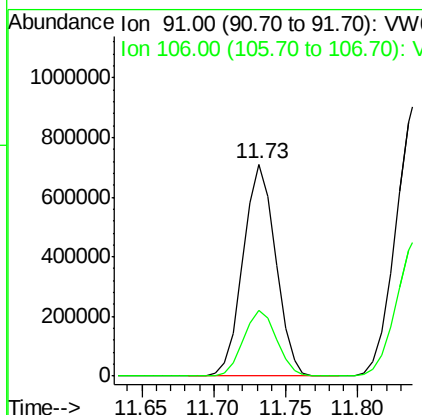
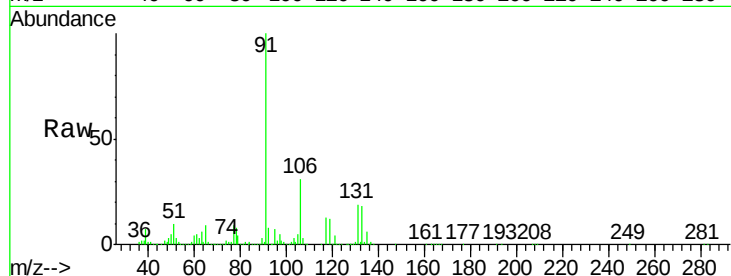




#67
Ethyl Benzene
Concen: 53.819 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

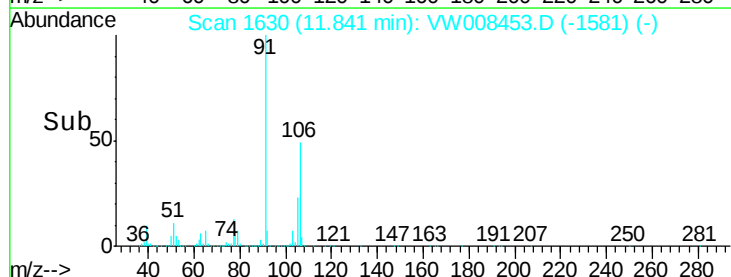
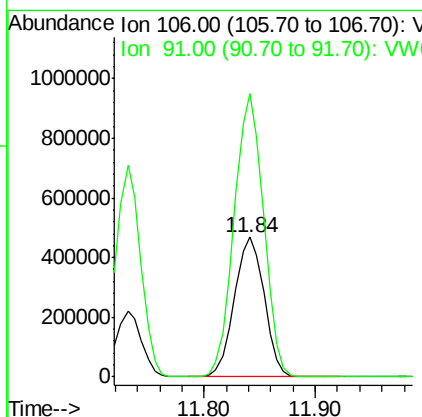
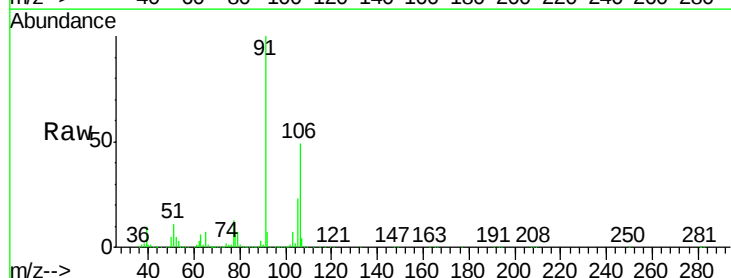
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

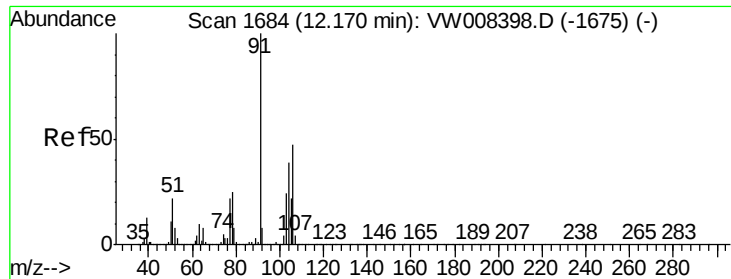
Tgt Ion: 91 Resp: 1112802
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 108.149 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 106 Resp: 867618
Ion Ratio Lower Upper
106 100
91 200.0 162.9 244.3

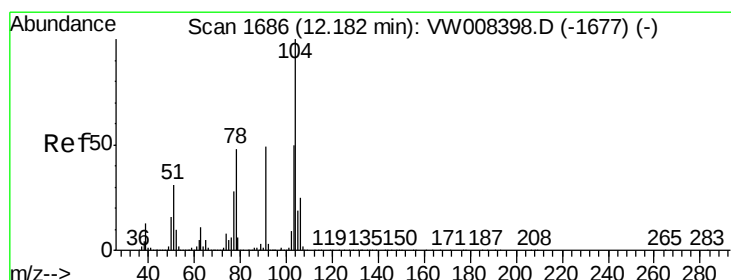
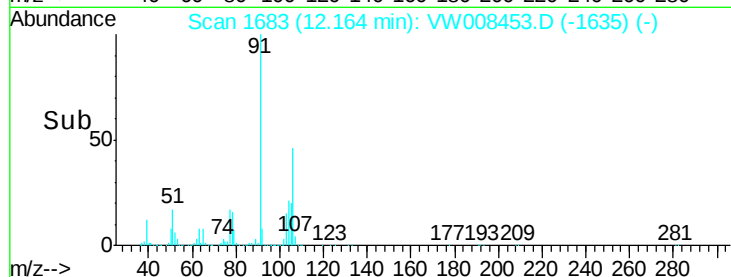
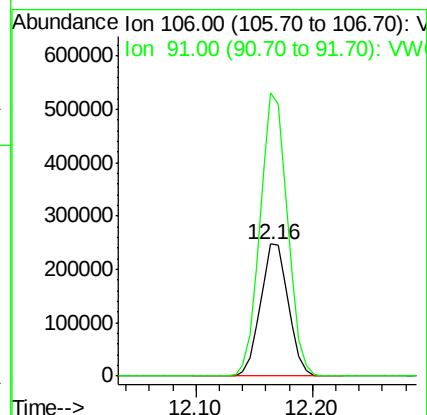
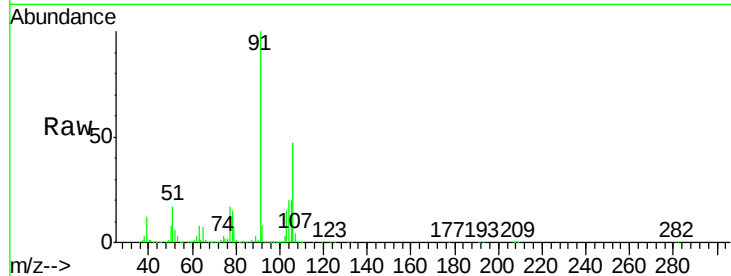




#69
o-Xylene
Concen: 54.336 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

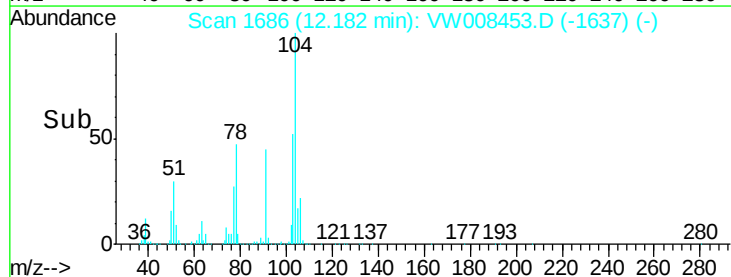
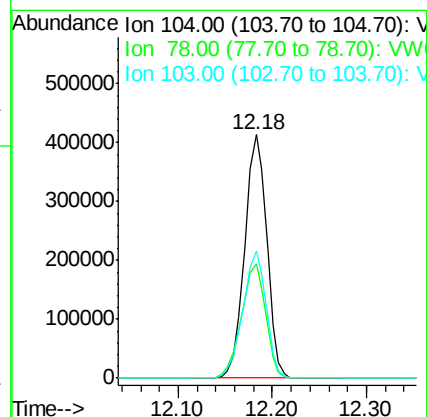
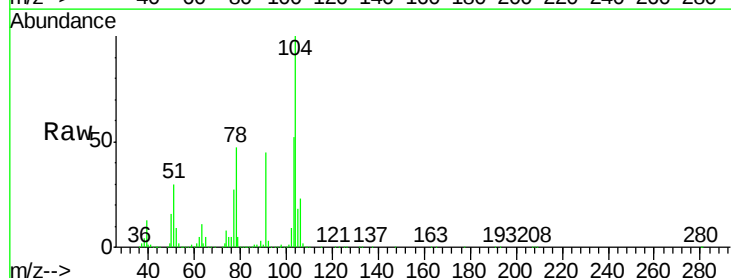
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

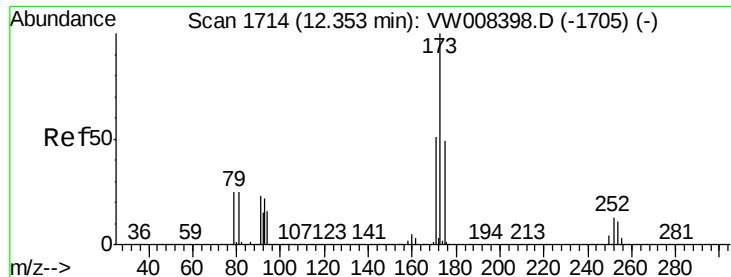
Tgt Ion:106 Resp: 414175
Ion Ratio Lower Upper
106 100
91 210.3 107.5 322.4



#70
Styrene
Concen: 53.734 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion:104 Resp: 676549
Ion Ratio Lower Upper
104 100
78 51.4 42.4 63.6
103 54.9 43.4 65.0





#71

Bromoform

Concen: 55.532 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

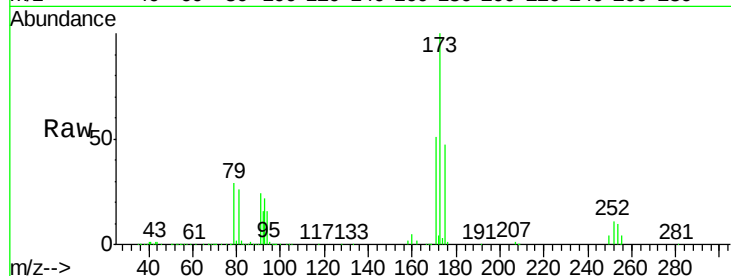
Tgt Ion:173 Resp: 125743

Ion Ratio Lower Upper

173 100

175 47.6 24.4 73.4

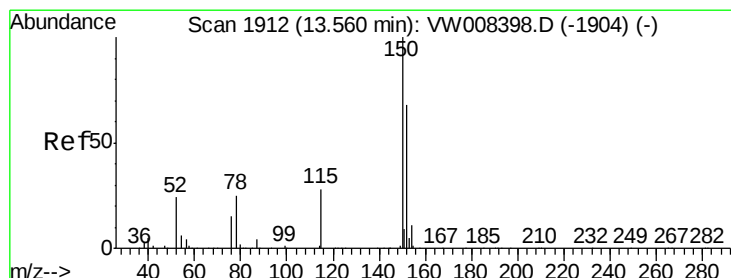
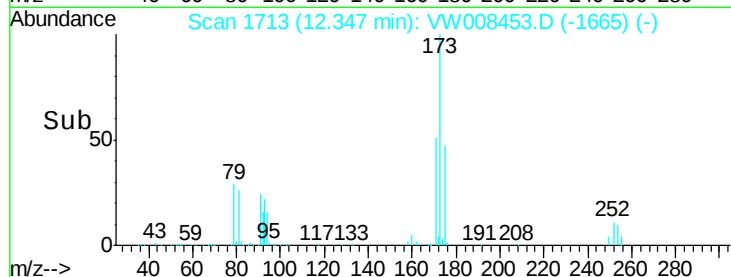
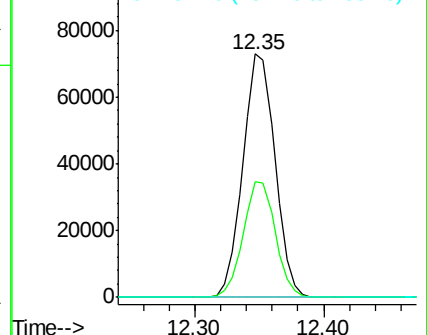
254 0.2 0.2 0.2



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: VW008453.D

Acq: 29 Jan 2019 16:39

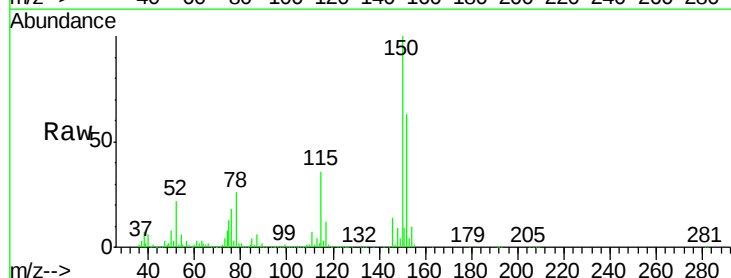
Tgt Ion:152 Resp: 283799

Ion Ratio Lower Upper

152 100

115 57.8 29.9 89.7

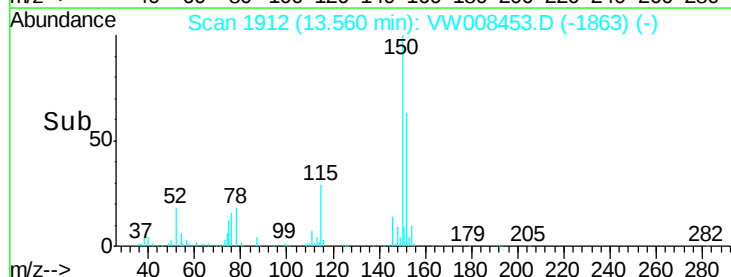
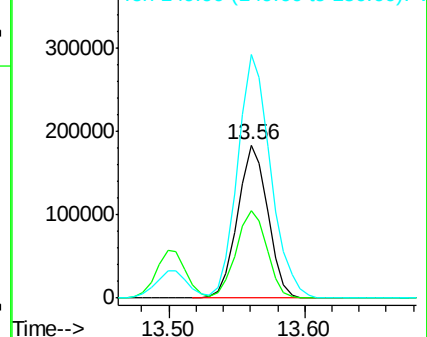
150 174.1 0.0 351.4

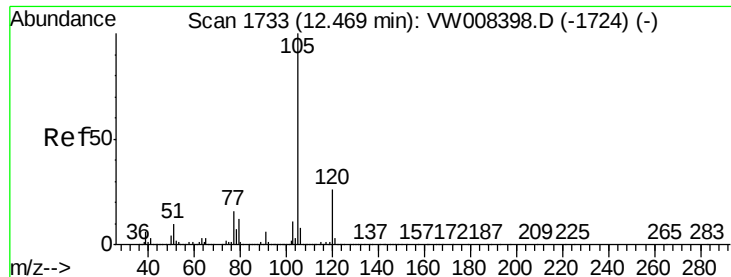


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.756 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

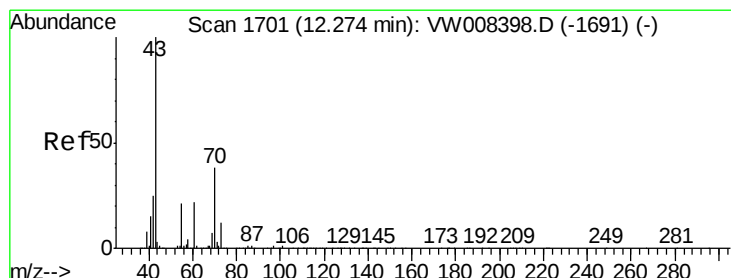
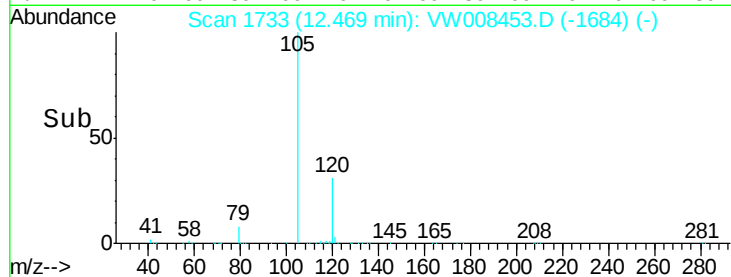
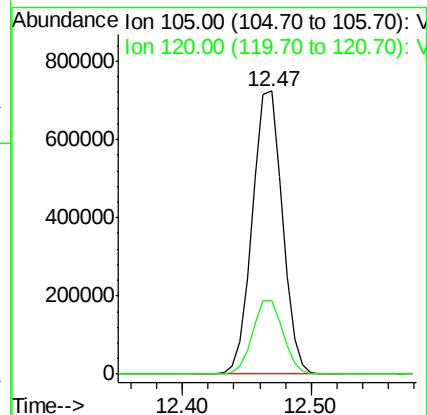
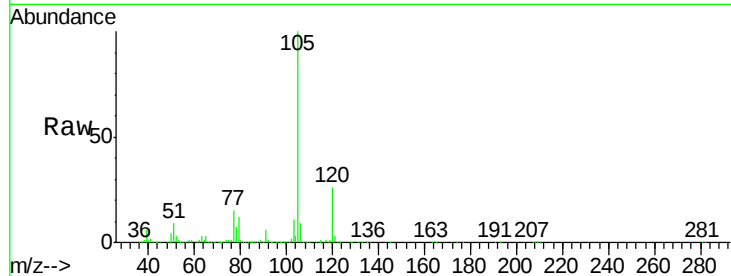
VSTDCCC050EC

Tgt Ion:105 Resp: 1158509

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 50.672 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Tgt Ion: 43 Resp: 276193

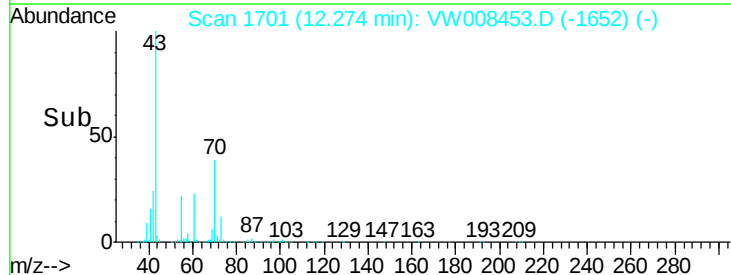
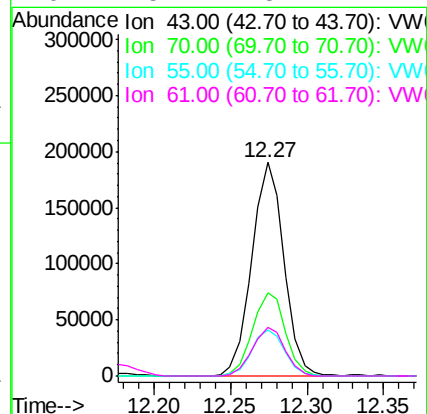
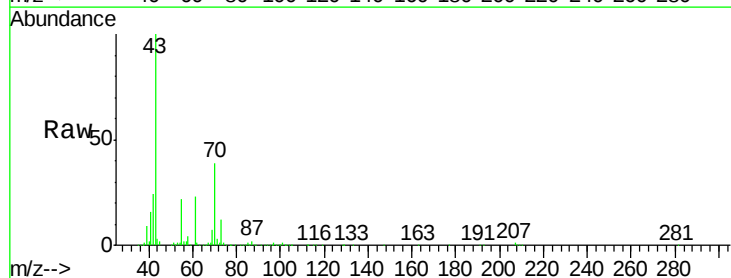
Ion Ratio Lower Upper

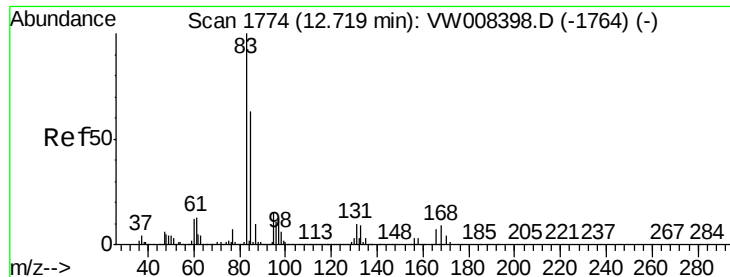
43 100

70 40.1 31.0 46.6

55 22.1 17.4 26.2

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.484 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

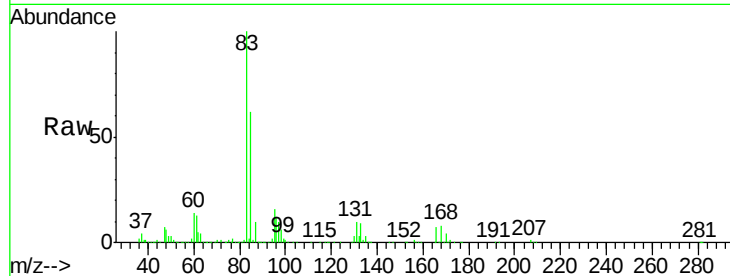
Tgt Ion: 83 Resp: 179155

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

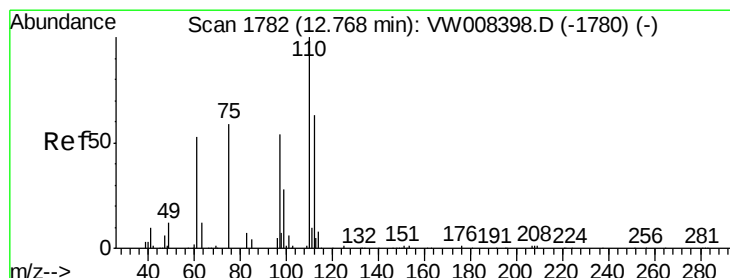
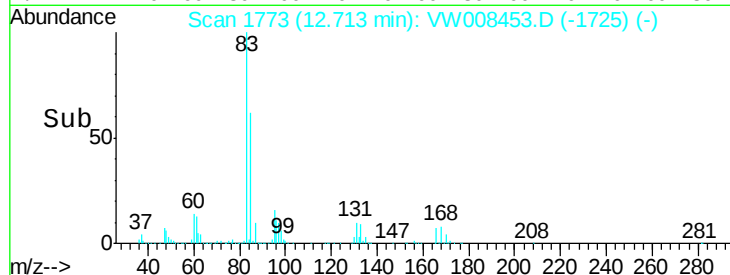
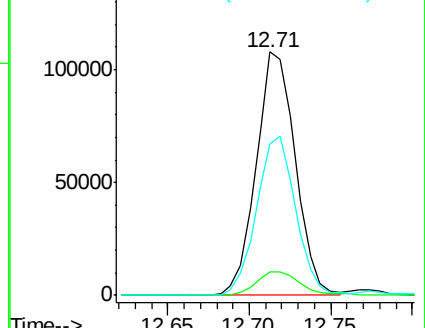
85 65.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 103.458 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008453.D

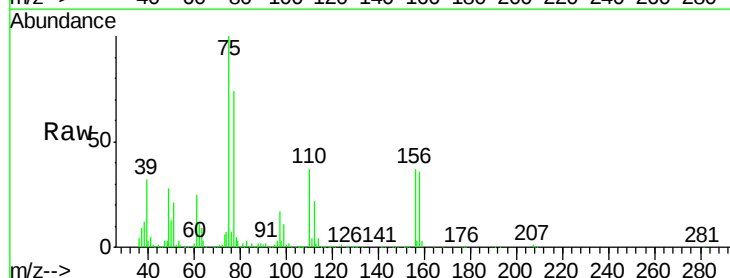
Acq: 29 Jan 2019 16:39

Tgt Ion: 75 Resp: 255276

Ion Ratio Lower Upper

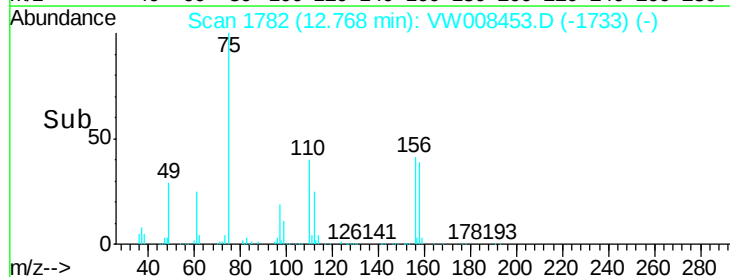
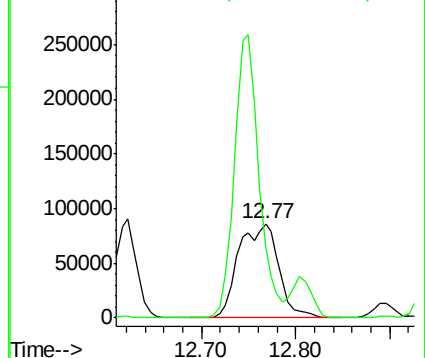
75 100

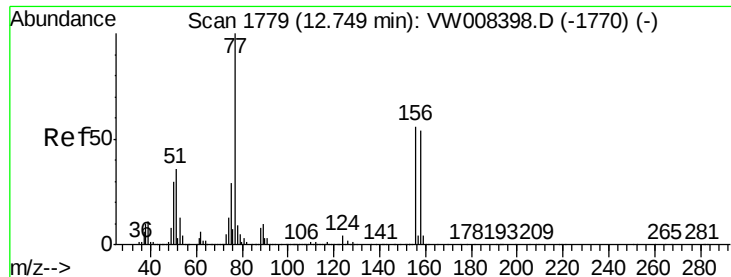
77 184.3 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.042 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

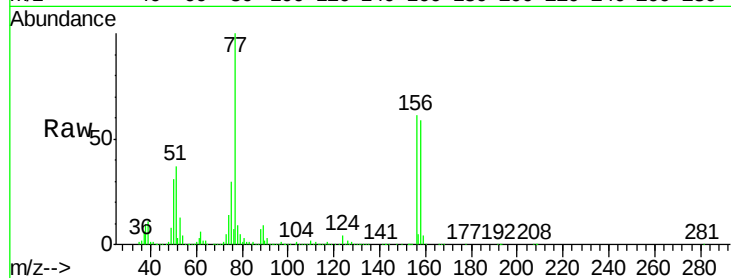
Tgt Ion:156 Resp: 254330

Ion Ratio Lower Upper

156 100

77 184.9 96.9 290.7

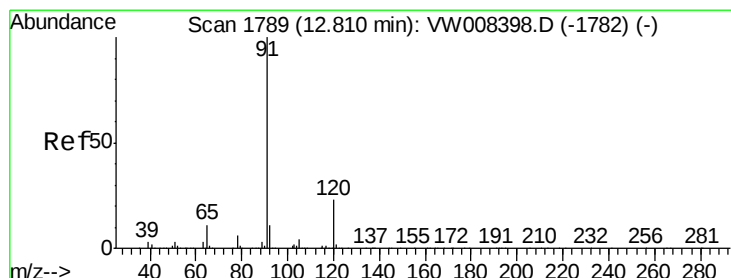
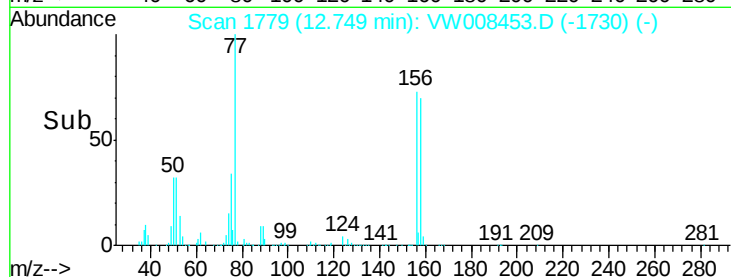
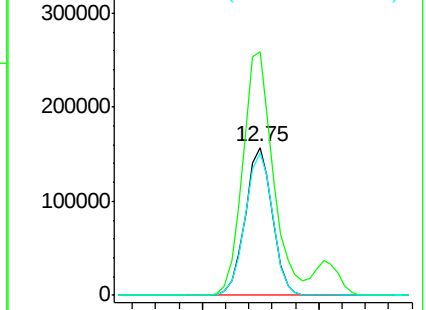
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.141 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008453.D

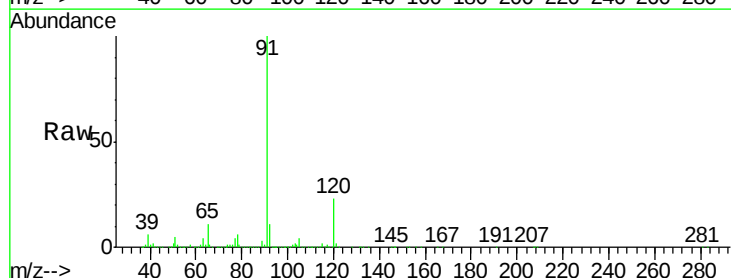
Acq: 29 Jan 2019 16:39

Tgt Ion: 91 Resp: 1375816

Ion Ratio Lower Upper

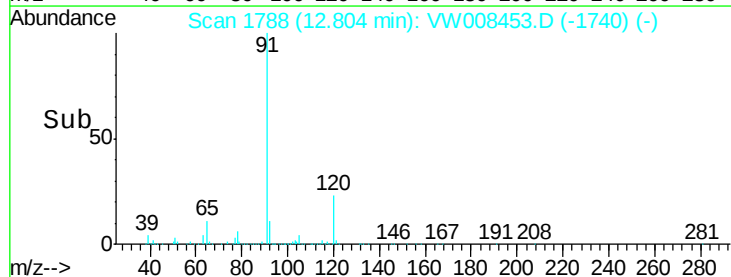
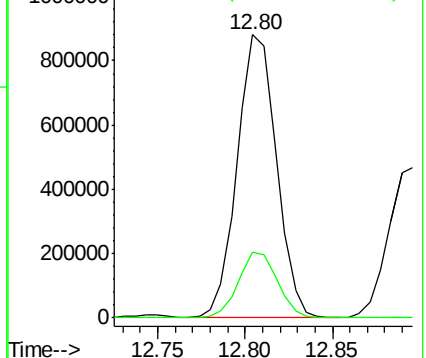
91 100

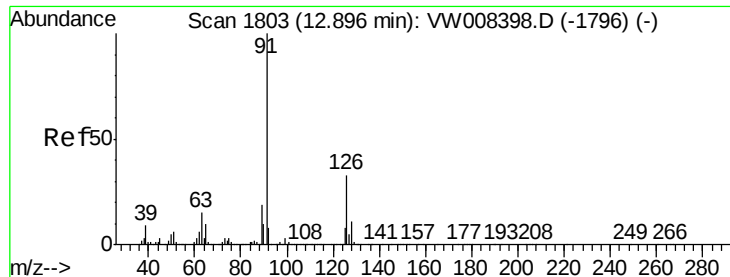
120 23.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.506 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

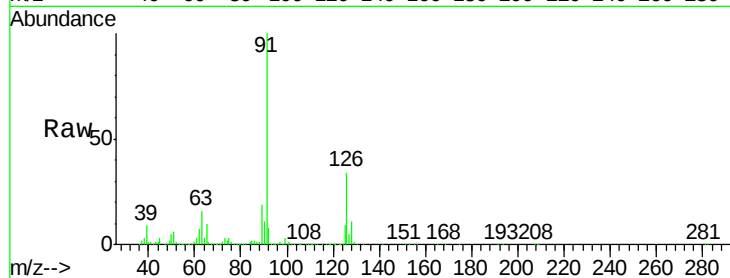
VSTDCCC050EC

Tgt Ion: 91 Resp: 767268

Ion Ratio Lower Upper

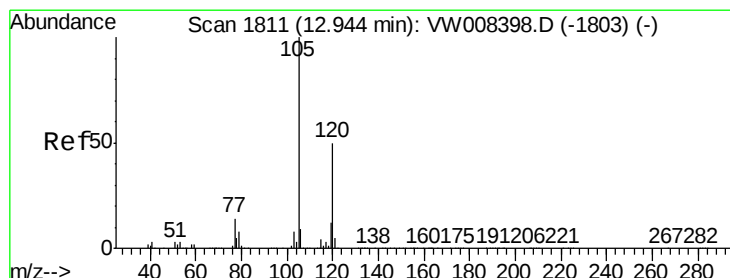
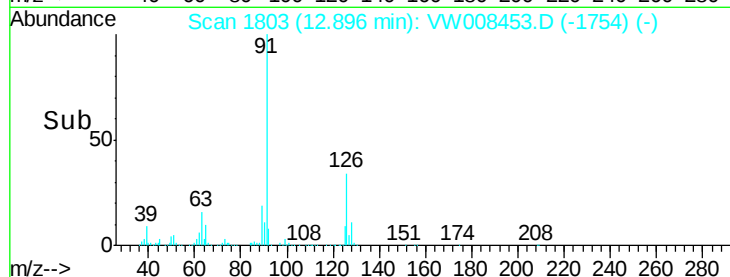
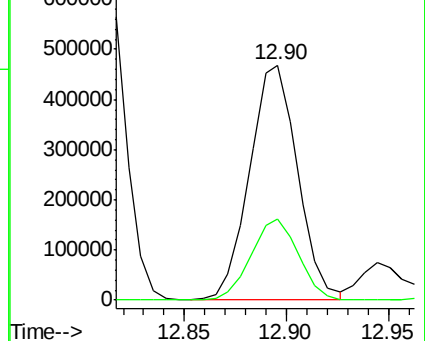
91 100

126 34.1 16.5 49.5



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: 54.402 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008453.D

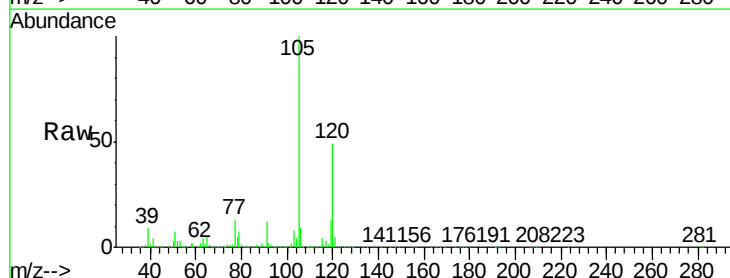
Acq: 29 Jan 2019 16:39

Tgt Ion: 105 Resp: 962057

Ion Ratio Lower Upper

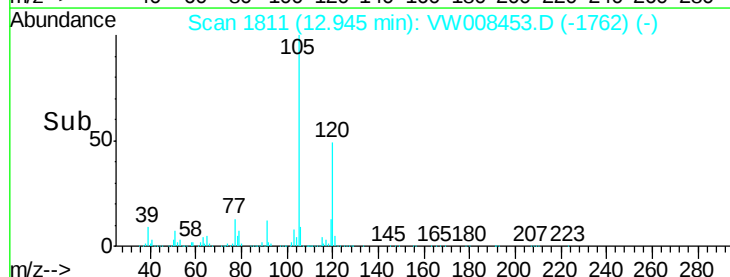
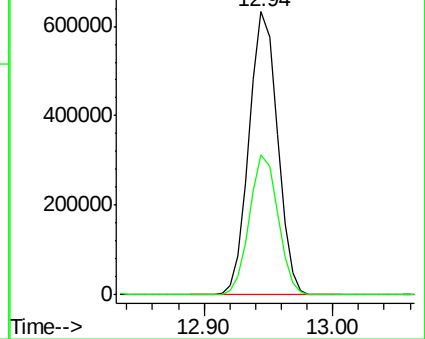
105 100

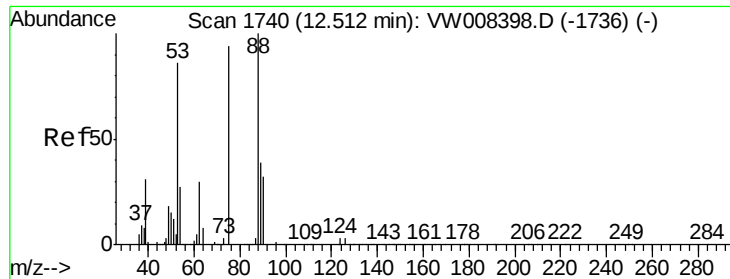
120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

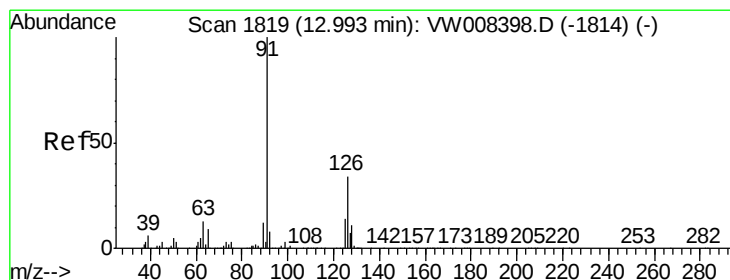
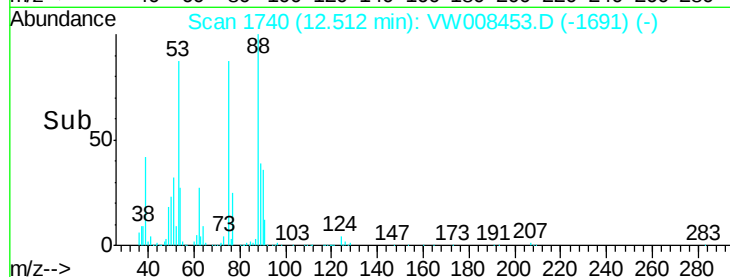
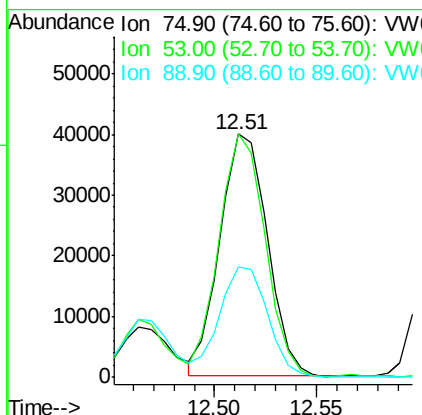
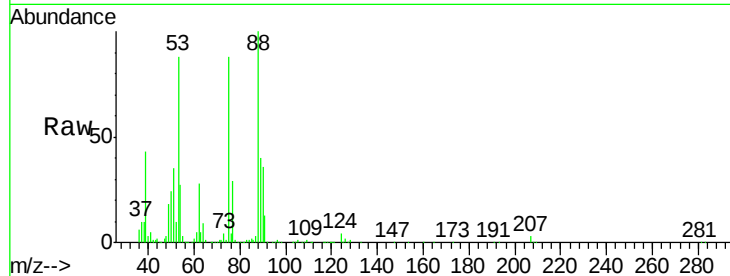




#81
trans-1,4-Dichloro-2-butene
Concen: 51.614 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

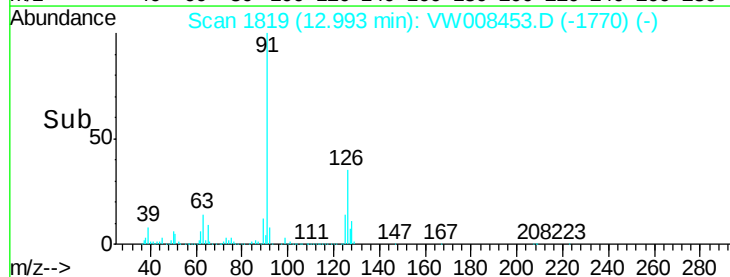
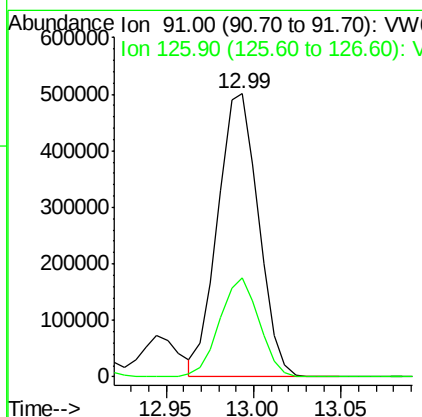
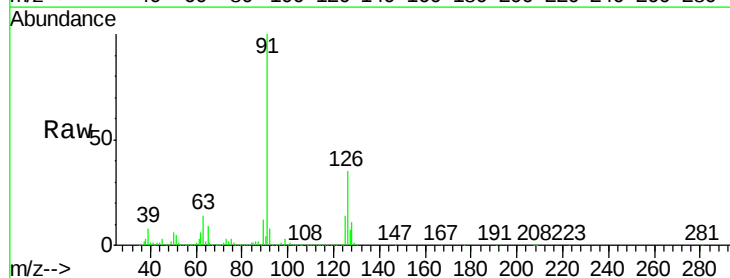
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

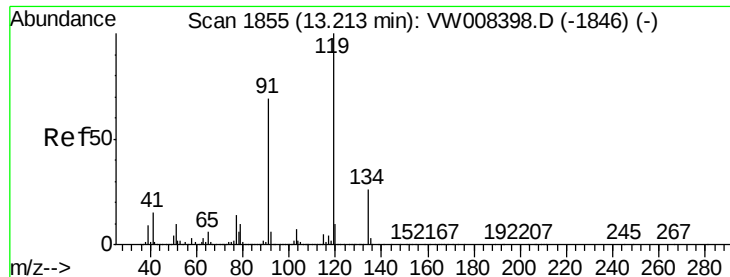
Tgt Ion: 75 Resp: 64481
Ion Ratio Lower Upper
75 100
53 96.8 76.0 114.0
89 46.5 35.4 53.0



#82
4-Chlorotoluene
Concen: 53.137 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion: 91 Resp: 811251
Ion Ratio Lower Upper
91 100
126 33.9 16.4 49.2

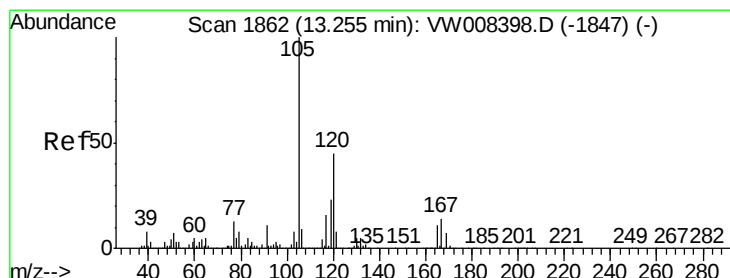
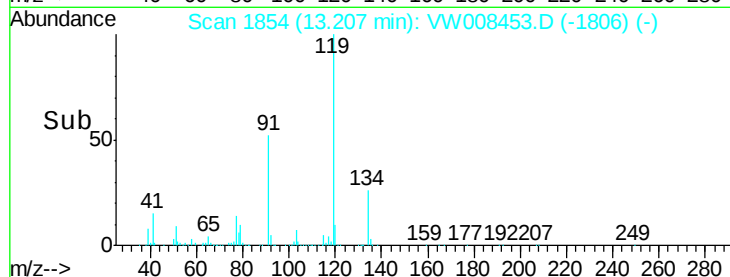
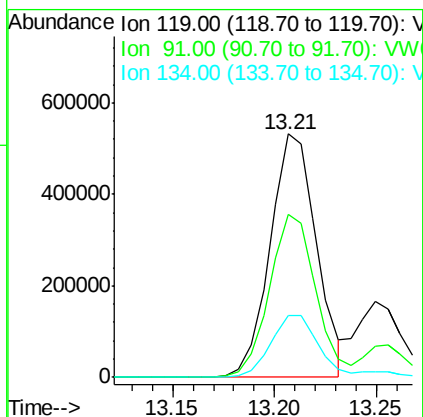
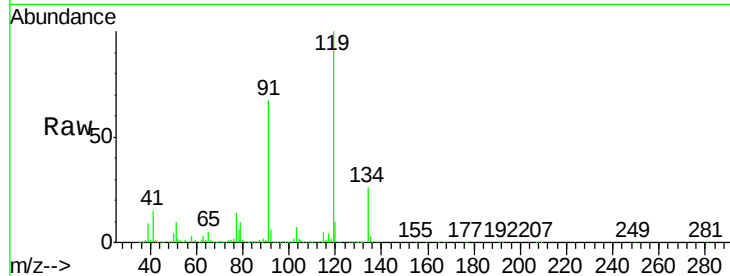




#83
tert-Butylbenzene
Concen: 53.586 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

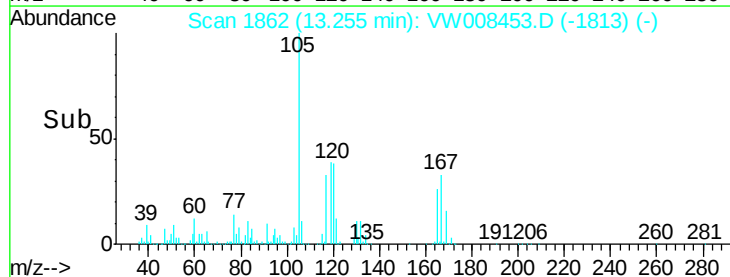
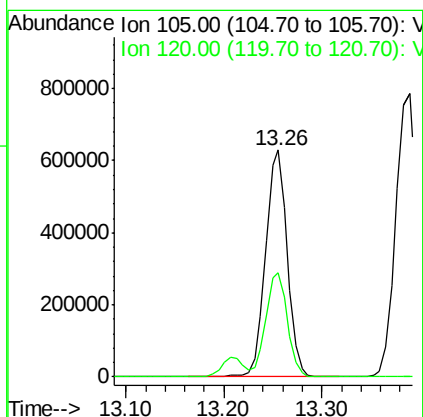
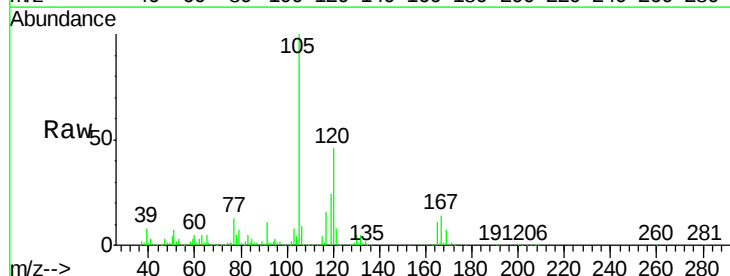
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

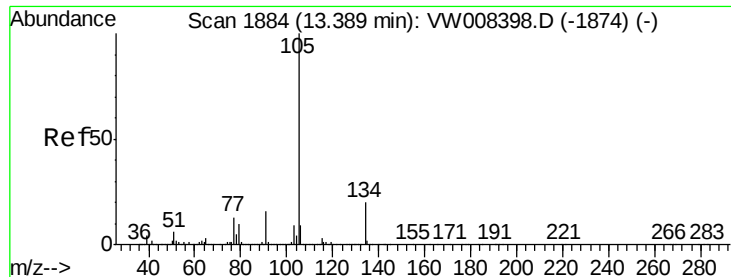
Tgt Ion:119 Resp: 843276
Ion Ratio Lower Upper
119 100
91 67.0 33.8 101.4
134 27.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 54.343 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion:105 Resp: 976808
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2

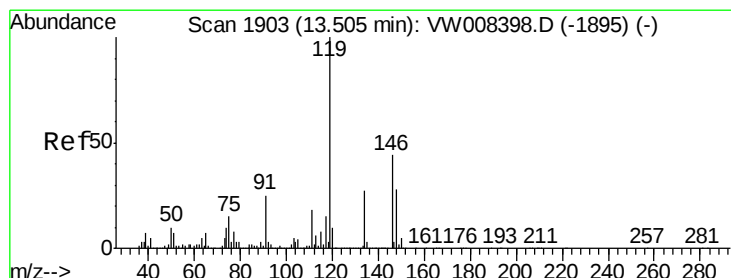
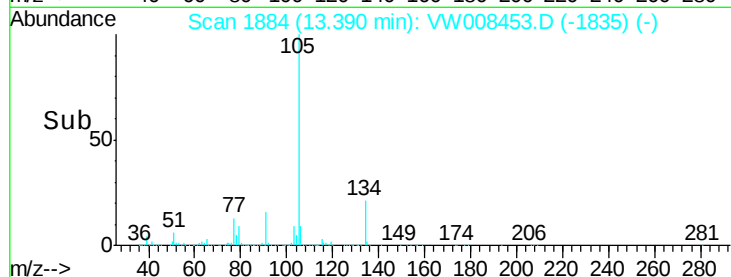
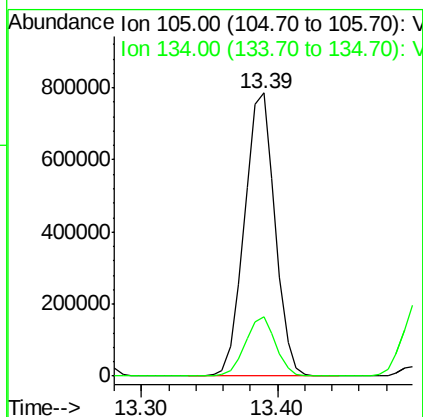
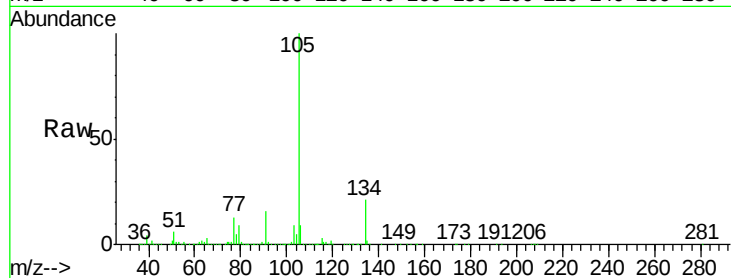




#85
 sec-Butylbenzene
 Concen: 54.722 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

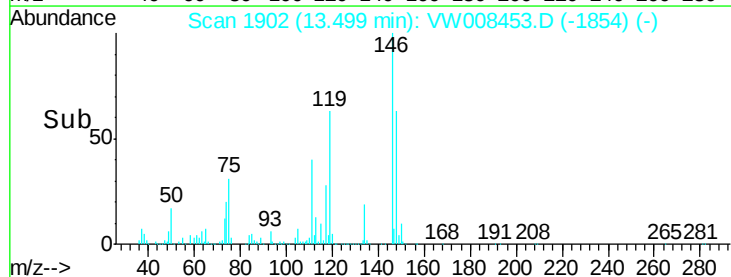
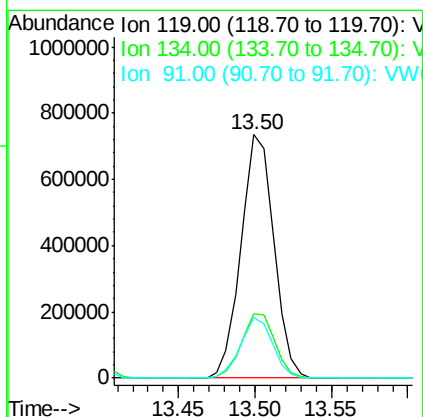
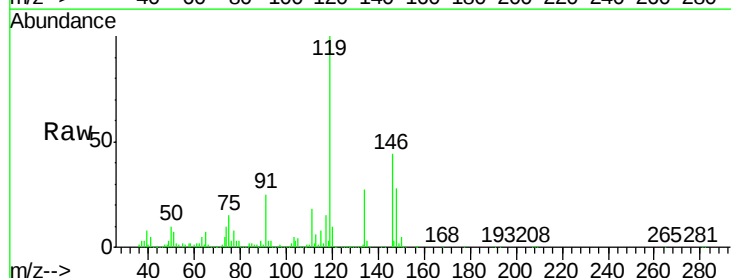
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

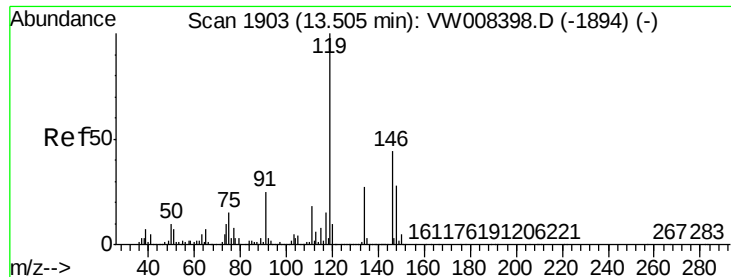
Tgt Ion:105 Resp: 1229864
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 55.800 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion:119 Resp: 1098510
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 24.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 56.036 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

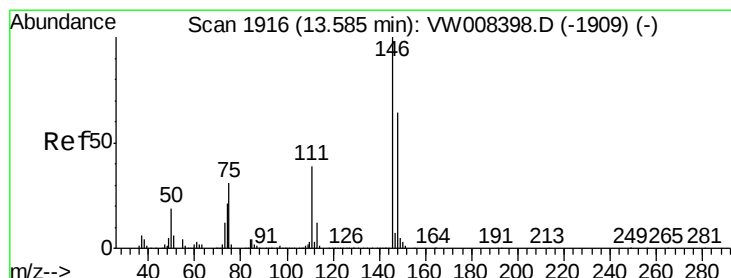
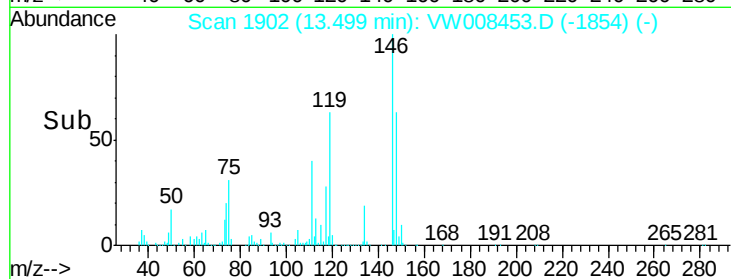
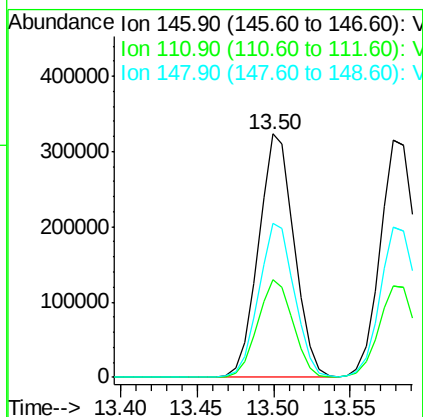
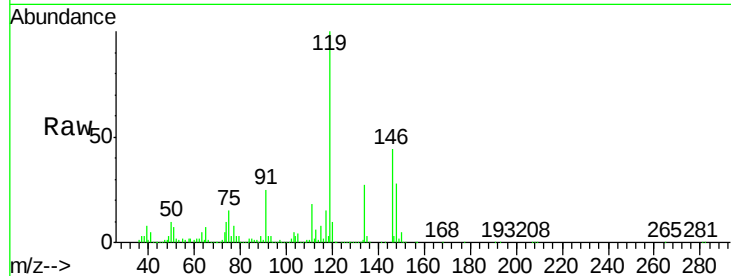
Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 522914

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.5	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 55.039 ug/l

RT: 13.58 min Scan# 1915

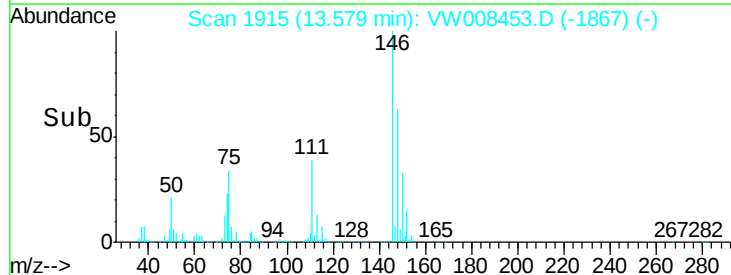
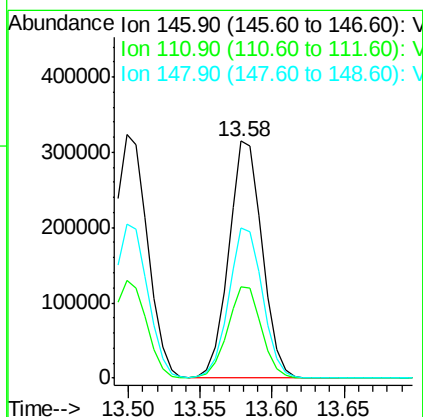
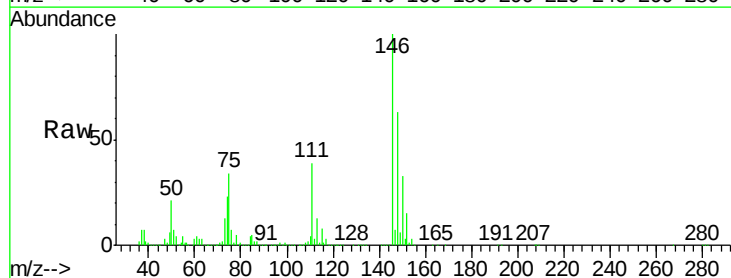
Delta R.T. -0.01 min

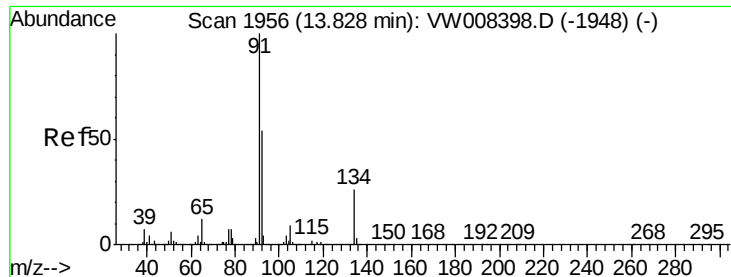
Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Tgt Ion:146 Resp: 510431

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	64.2	32.0	96.2





#89

n-Butylbenzene

Concen: 54.029 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

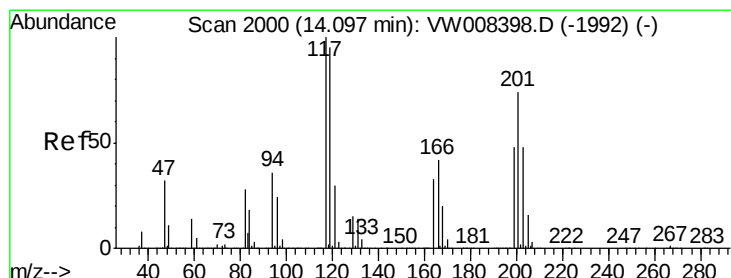
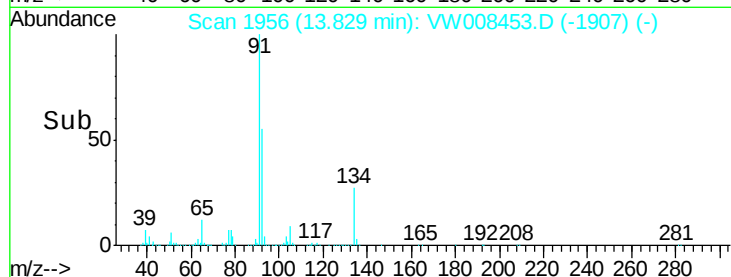
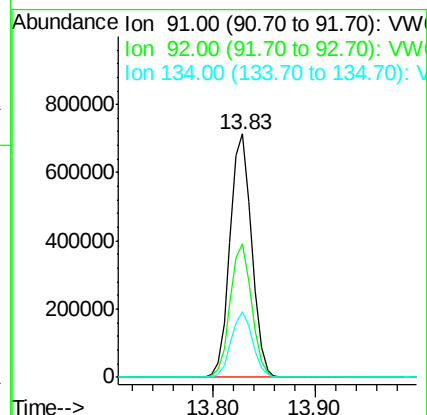
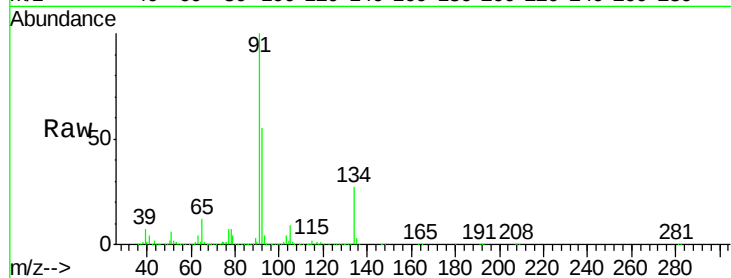
Tgt Ion: 91 Resp: 1044357

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.2

134 26.8 13.0 39.0



#90

Hexachloroethane

Concen: 54.190 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008453.D

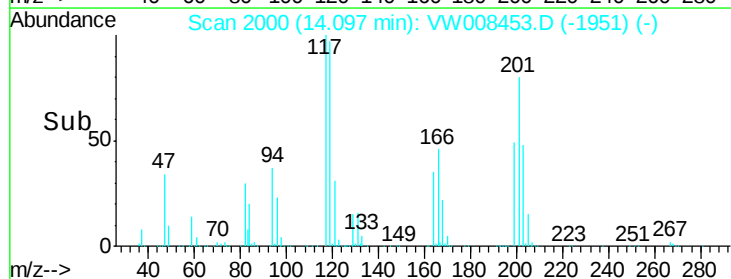
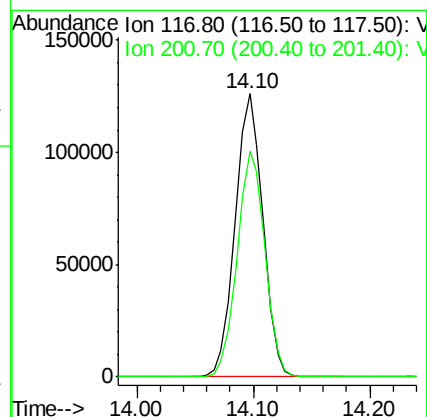
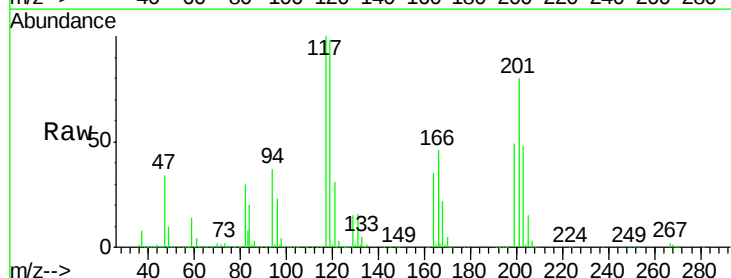
Acq: 29 Jan 2019 16:39

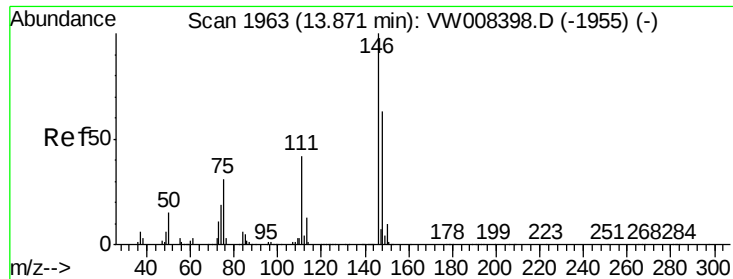
Tgt Ion: 117 Resp: 208626

Ion Ratio Lower Upper

117 100

201 80.1 39.1 117.5

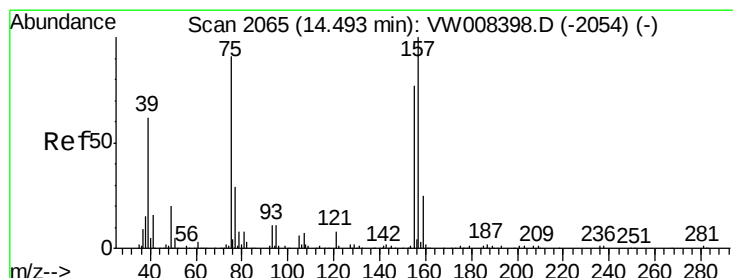
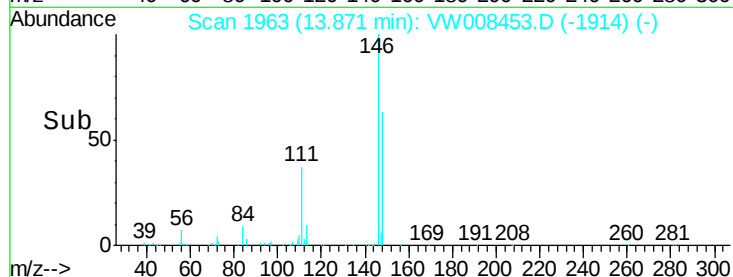
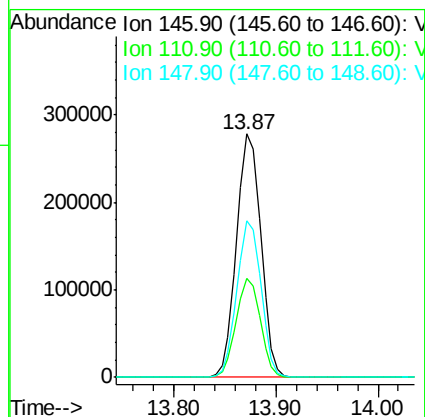
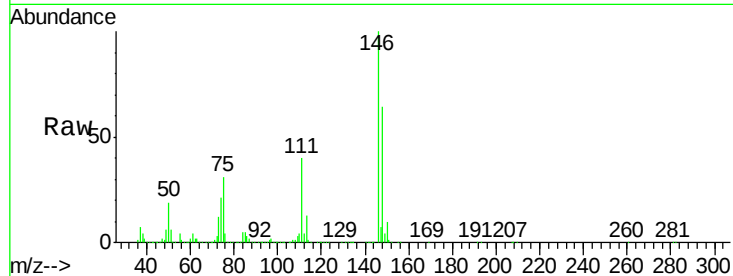




#91
 1,2-Dichlorobenzene
 Concen: 55.563 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

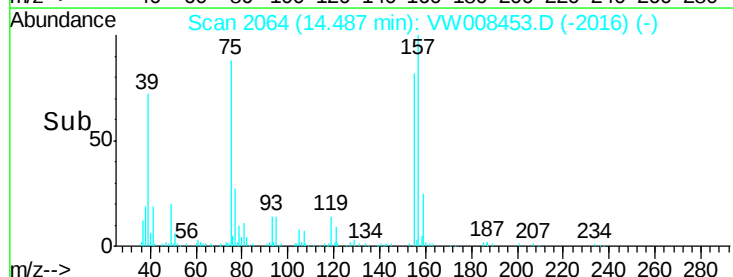
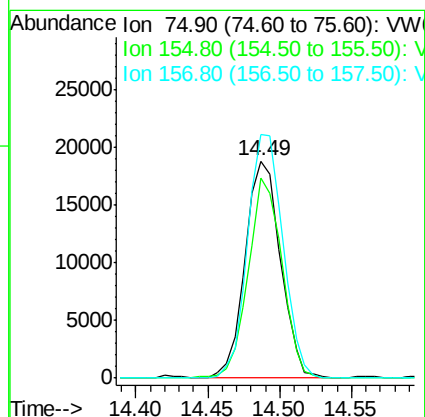
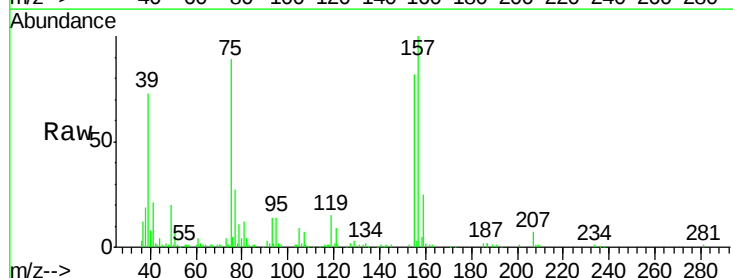
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

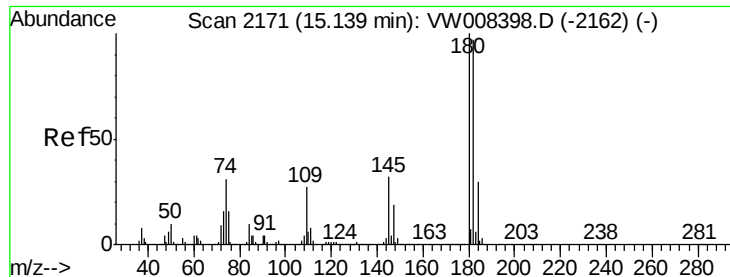
Tgt Ion:146 Resp: 458781
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.3
 148 63.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.240 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion: 75 Resp: 31931
 Ion Ratio Lower Upper
 75 100
 155 87.7 42.7 128.1
 157 111.9 55.5 166.3

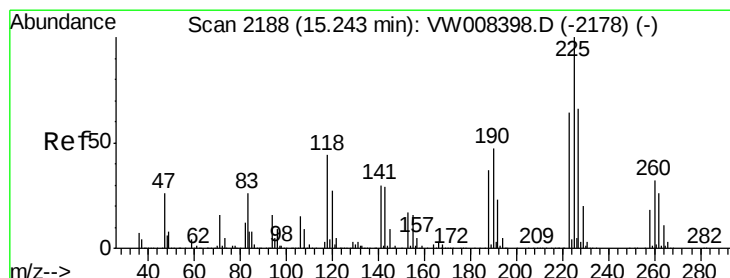
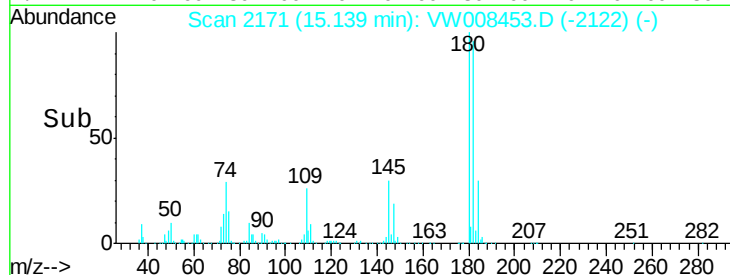
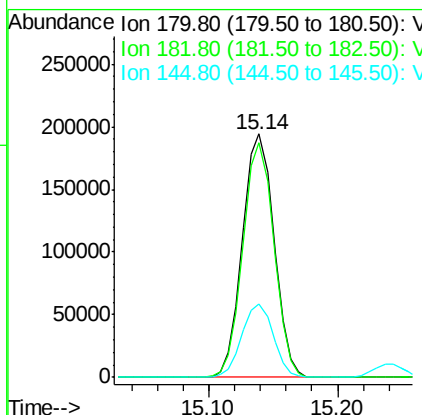
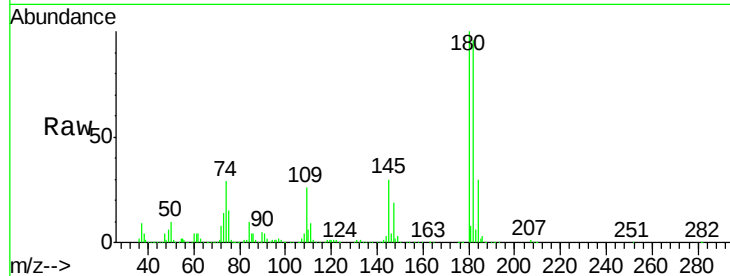




#93
 1,2,4-Trichlorobenzene
 Concen: 56.014 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

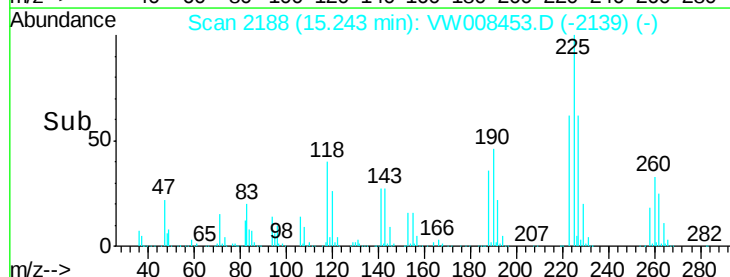
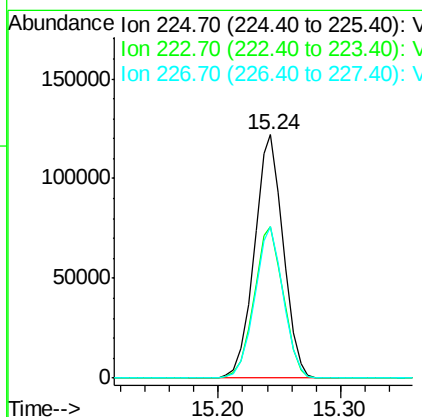
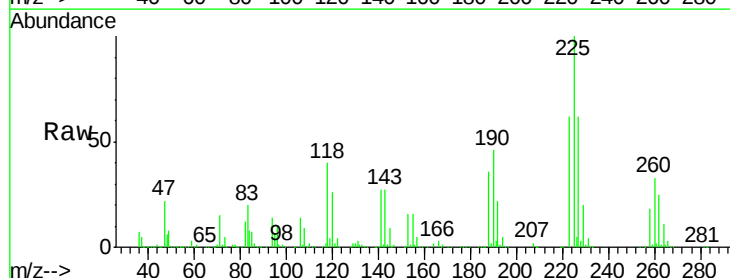
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

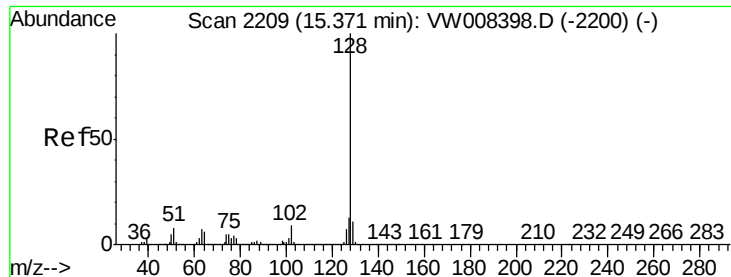
Tgt Ion:180 Resp: 330049
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.7
 145 30.1 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 56.225 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008453.D
 Acq: 29 Jan 2019 16:39

Tgt Ion:225 Resp: 199659
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.7 95.1
 227 61.8 32.1 96.3

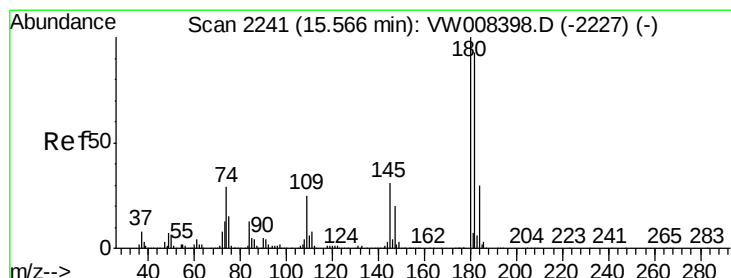
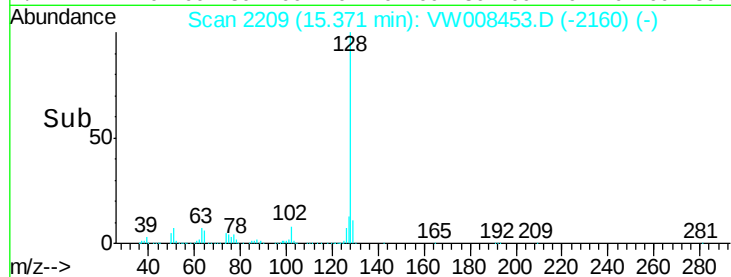
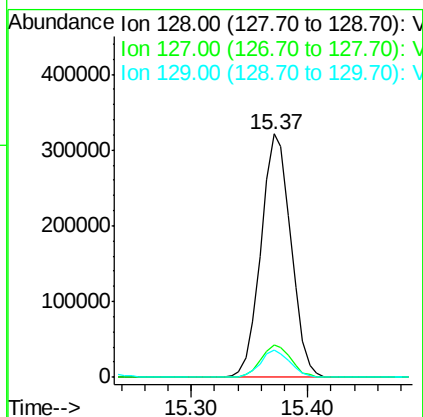
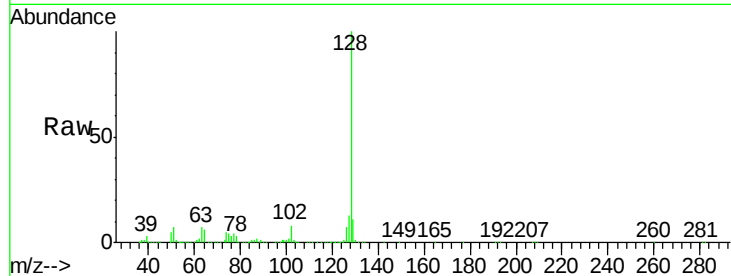




#95
Naphthalene
Concen: 55.094 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 570004
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.225 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008453.D
Acq: 29 Jan 2019 16:39

Tgt Ion:180 Resp: 276028
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.2
145 32.1 15.9 47.6

