

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003500.D
 Acq On : 24 Jun 2018 10:05
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 25 02:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	383242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	360560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	136406	55.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.72%	
35) Dibromofluoromethane	7.89	113	118324	49.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.38%	
50) Toluene-d8	10.33	98	467338	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.63	95	170174	50.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	40928	60.047	ug/l	83
3) Chloromethane	2.21	50	76462	44.399	ug/l	96
4) Vinyl Chloride	2.36	62	109336	43.551	ug/l	98
5) Bromomethane	2.78	94	74071	44.390	ug/l	98
6) Chloroethane	2.93	64	76270	43.645	ug/l	97
7) Trichlorofluoromethane	3.25	101	63823	42.435	ug/l	94
8) Diethyl Ether	3.68	74	59491	53.845	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91052	43.597	ug/l	99
10) Methyl Iodide	4.26	142	163025	51.615	ug/l	99
11) Tert butyl alcohol	5.23	59	18692	142.722	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	95976	47.026	ug/l	98
13) Acrolein	3.90	56	58993	315.051	ug/l	96
14) Allyl chloride	4.66	41	180649	51.099	ug/l	99
15) Acrylonitrile	5.37	53	130629	287.366	ug/l	100
16) Acetone	4.15	43	112641	219.931	ug/l	99
17) Carbon Disulfide	4.37	76	277884	46.055	ug/l	100
18) Methyl Acetate	4.68	43	71896	59.173	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	218786	57.235	ug/l	100
20) Methylene Chloride	4.92	84	117720	54.433	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	110104	49.570	ug/l	99
22) Diisopropyl ether	6.32	45	405082	56.934	ug/l	99
23) Vinyl Acetate	6.26	43	1119834	273.123	ug/l	99
24) 1,1-Dichloroethane	6.22	63	223942	53.018	ug/l	99
25) 2-Butanone	7.18	43	171856	269.846	ug/l	96
26) 2,2-Dichloropropane	7.17	77	117469	41.671	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	129074	52.898	ug/l	99
28) Bromochloromethane	7.51	49	107884	61.379	ug/l	99
29) Tetrahydrofuran	7.54	42	114624	294.489	ug/l	99
30) Chloroform	7.68	83	230801	53.635	ug/l	97
31) Cyclohexane	7.96	56	170822	43.289	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	175623	49.444	ug/l	99
36) 1,1-Dichloropropene	8.09	75	166259	44.921	ug/l	100
37) Ethyl Acetate	7.26	43	78377	51.117	ug/l	99
38) Carbon Tetrachloride	8.07	117	157320	43.334	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	180077	42.050	ug/l	97
40) Benzene	8.32	78	498241	48.838	ug/l	99
41) Methacrylonitrile	7.49	41	49415	52.519	ug/l	99
42) 1,2-Dichloroethane	8.40	62	163543	51.166	ug/l	99
43) Isopropyl Acetate	8.43	43	156456	51.389	ug/l	99
44) Trichloroethene	9.10	130	126027	46.620	ug/l	99
45) 1,2-Dichloropropane	9.37	63	132082	50.849	ug/l	97
46) Dibromomethane	9.46	93	67701	50.907	ug/l	97
47) Bromodichloromethane	9.65	83	172354	50.560	ug/l	99
48) Methyl methacrylate	9.44	41	77611	54.244	ug/l	97
49) 1,4-Dioxane	9.48	88	22406	1115.847	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	417190	268.920	ug/l	99
52) Toluene	10.39	92	320034	48.919	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	171338	49.204	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	193934	48.932	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	95815	51.129	ug/l	99
56) Ethyl methacrylate	10.65	69	123357	54.208	ug/l	97
57) 1,3-Dichloropropane	10.94	76	167461	51.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	280144	274.616	ug/l	99
59) 2-Hexanone	10.98	43	286062	263.954	ug/l	99
60) Dibromochloromethane	11.13	129	111748	50.143	ug/l	99
61) 1,2-Dibromoethane	11.24	107	91206	51.452	ug/l	98
64) Tetrachloroethene	10.87	164	118912	49.308	ug/l	98
65) Chlorobenzene	11.66	112	356722	47.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	126742	48.034	ug/l	99
67) Ethyl Benzene	11.74	91	626480	47.070	ug/l	100
68) m/p-Xylenes	11.85	106	473935	93.674	ug/l	99
69) o-Xylene	12.17	106	227484	48.515	ug/l	98
70) Styrene	12.19	104	391090	50.109	ug/l	99
71) Bromoform	12.35	173	67360	49.258	ug/l #	100
73) Isopropylbenzene	12.47	105	619114	46.716	ug/l	99
74) N-amyl acetate	12.28	43	159679	52.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	113867	50.786	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	150702	92.518	ug/l #	100
77) Bromobenzene	12.76	156	147754	47.872	ug/l	96
78) n-propylbenzene	12.81	91	751178	46.290	ug/l	99
79) 2-Chlorotoluene	12.90	91	440252	48.007	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	529835	47.630	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31572	44.600	ug/l	95
82) 4-Chlorotoluene	13.00	91	462873	47.579	ug/l	99
83) tert-Butylbenzene	13.21	119	448545	47.314	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	554355	48.445	ug/l	100
85) sec-Butylbenzene	13.39	105	648405	46.015	ug/l	100
86) p-Isopropyltoluene	13.51	119	571379	45.973	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	299404	47.221	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	297124	47.138	ug/l	100
89) n-Butylbenzene	13.83	91	536582	44.292	ug/l	100
90) Hexachloroethane	14.10	117	105614	46.975	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	273090	49.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19578	51.888	ug/l	96

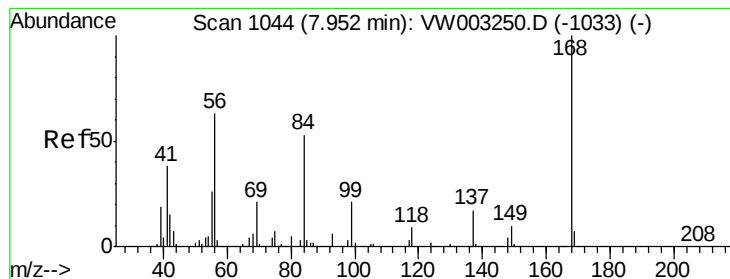
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	185431	47.559	ug/l	100
94) Hexachlorobutadiene	15.25	225	103545	44.149	ug/l	99
95) Naphthalene	15.38	128	351552	53.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	167540	48.818	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

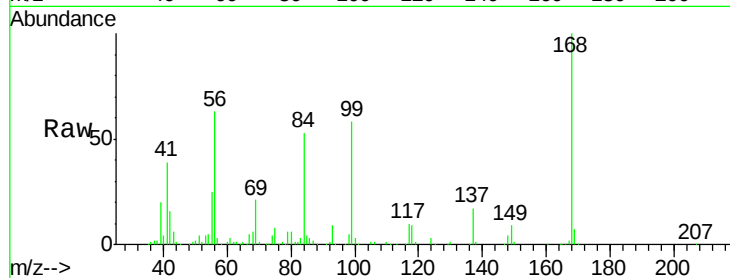
VSTDCCC050EC

Tgt Ion:168 Resp: 225455

Ion Ratio Lower Upper

168 100

99 58.3 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

100000

80000

60000

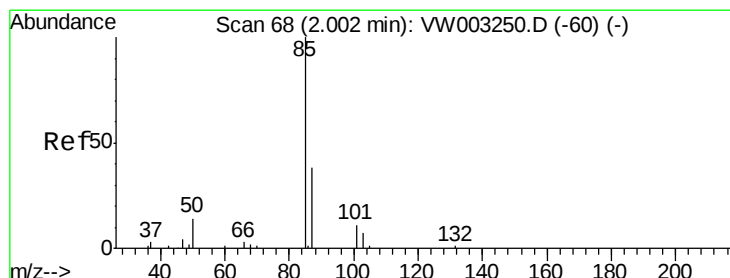
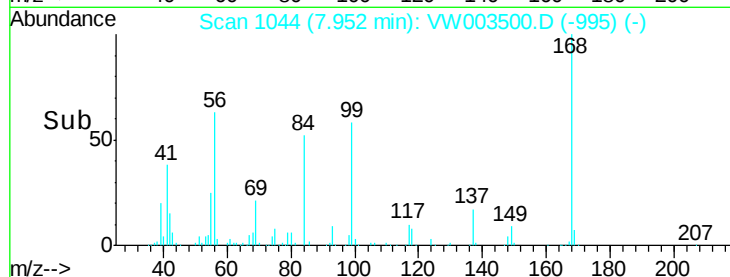
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 60.047 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003500.D

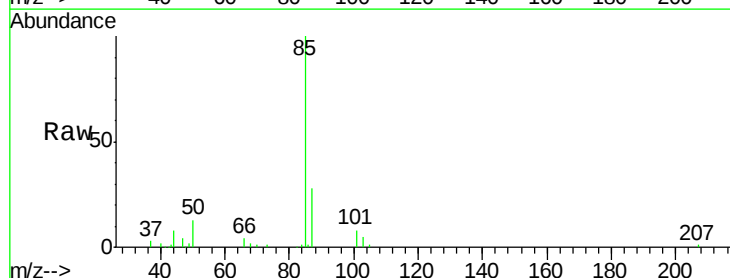
Acq: 24 Jun 2018 10:05

Tgt Ion: 85 Resp: 40928

Ion Ratio Lower Upper

85 100

87 27.5 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

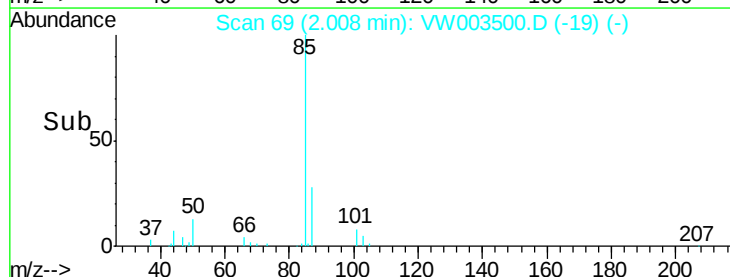
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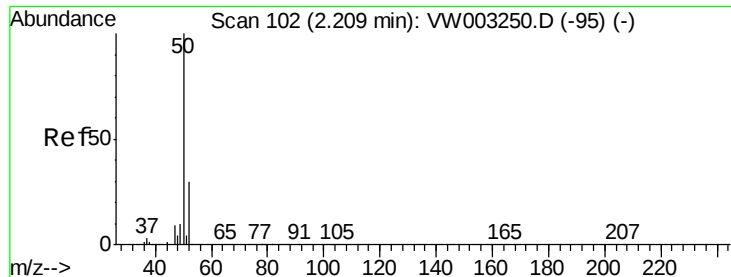
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 44.399 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

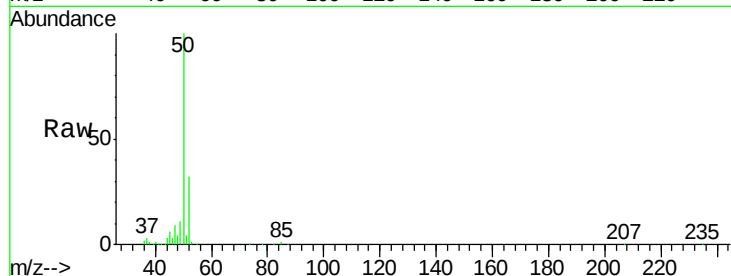
VSTDCCC050EC

Tgt Ion: 50 Resp: 76462

Ion Ratio Lower Upper

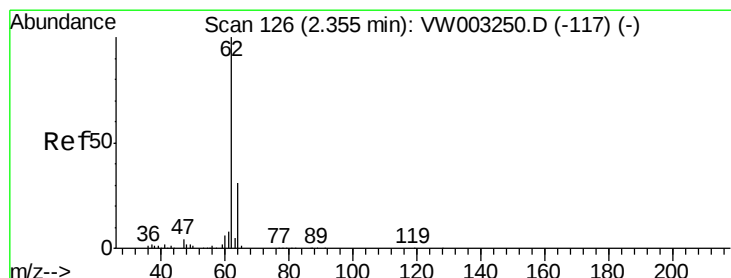
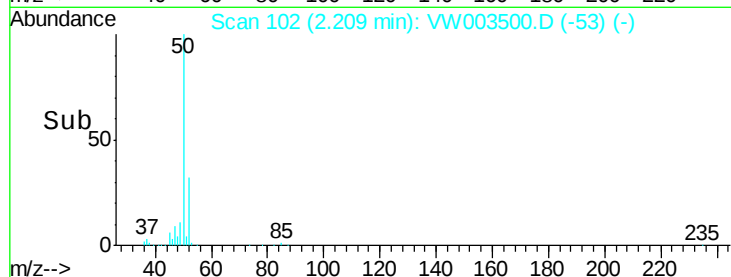
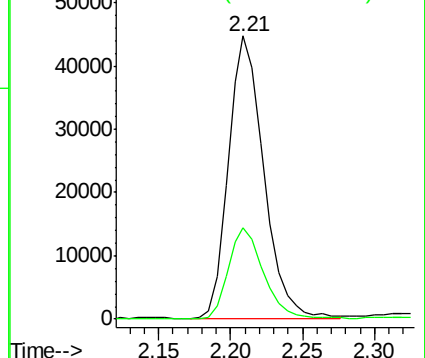
50 100

52 32.2 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 43.551 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003500.D

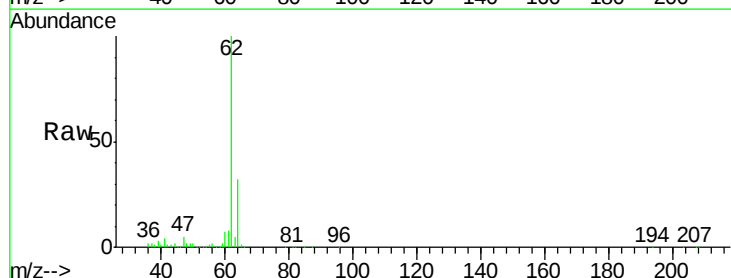
Acq: 24 Jun 2018 10:05

Tgt Ion: 62 Resp: 109336

Ion Ratio Lower Upper

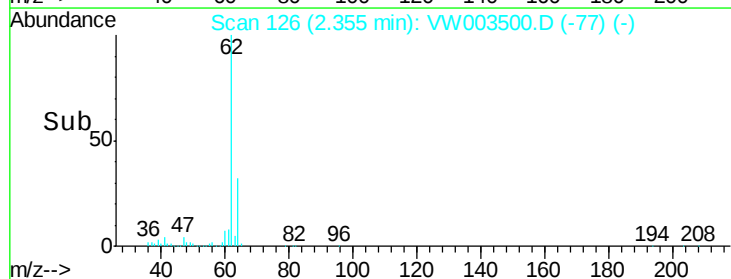
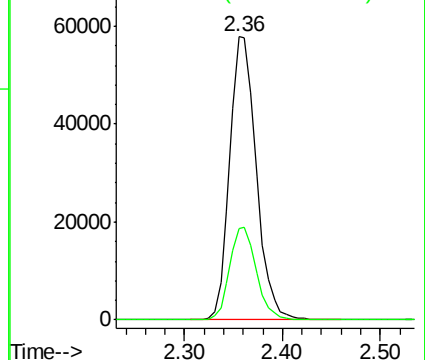
62 100

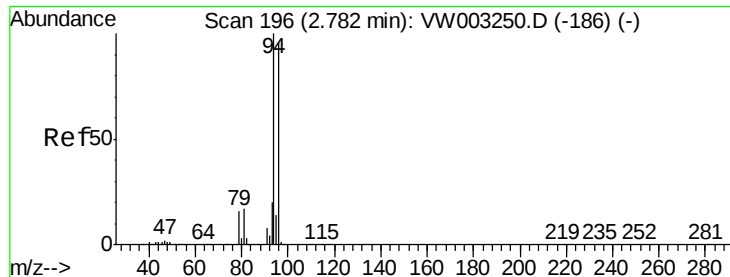
64 32.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 44.390 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

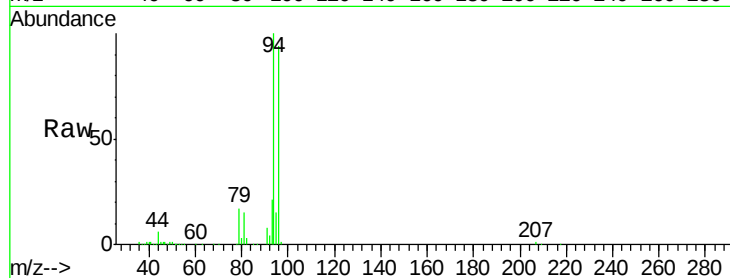
VSTDCCC050EC

Tgt Ion: 94 Resp: 74071

Ion Ratio Lower Upper

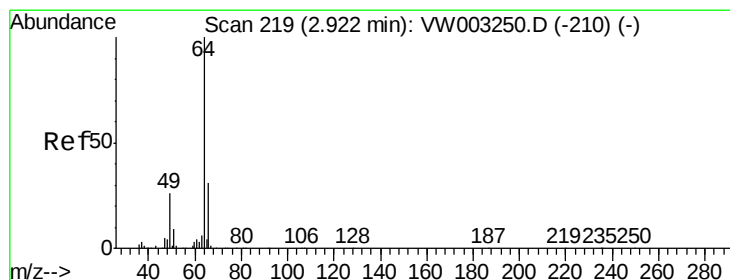
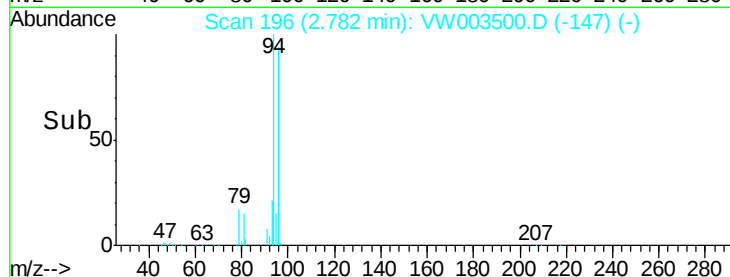
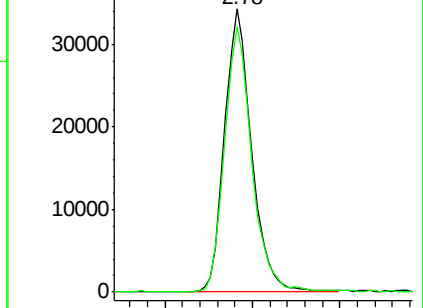
94 100

96 93.8 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 43.645 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003500.D

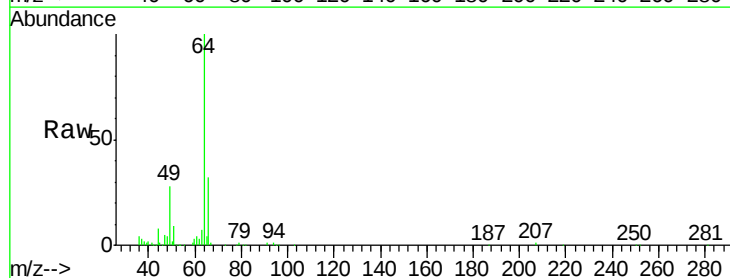
Acq: 24 Jun 2018 10:05

Tgt Ion: 64 Resp: 76270

Ion Ratio Lower Upper

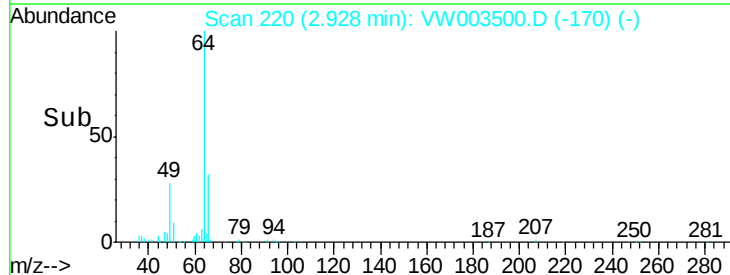
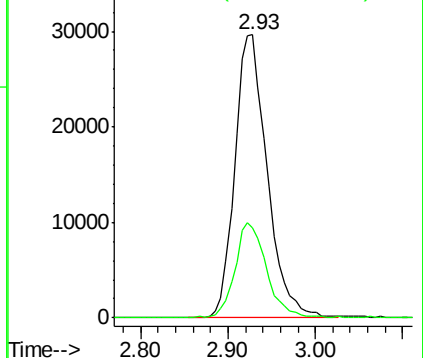
64 100

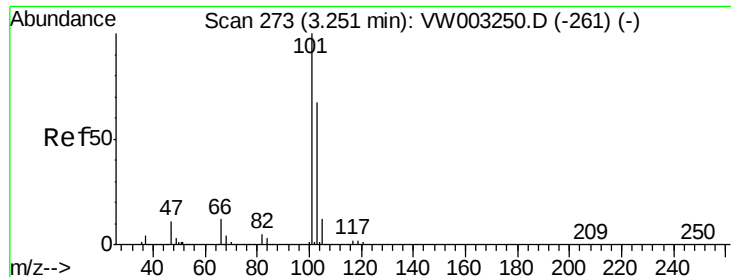
66 31.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



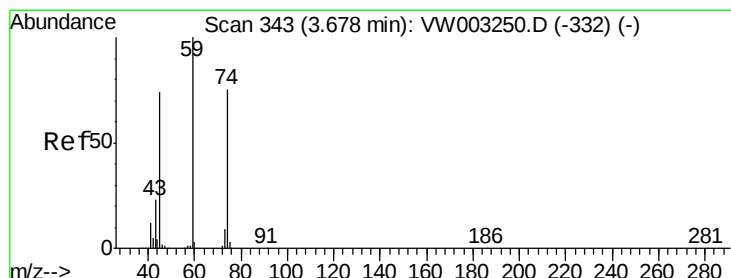
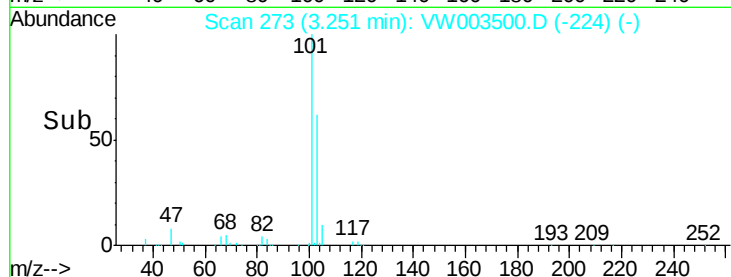
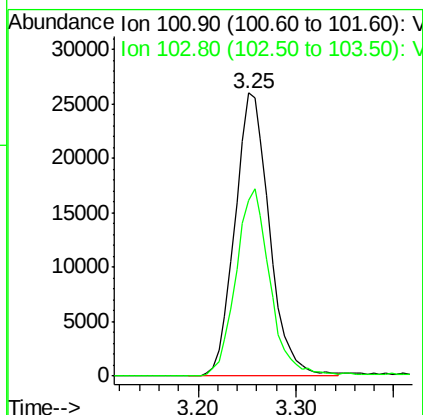
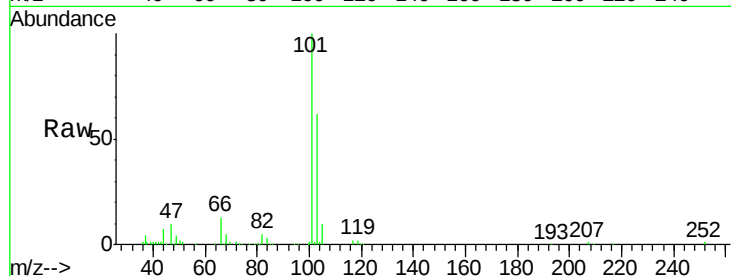


#7

Trichlorofluoromethane
Concen: 42.435 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Instrument :
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VSTDCCC050EC

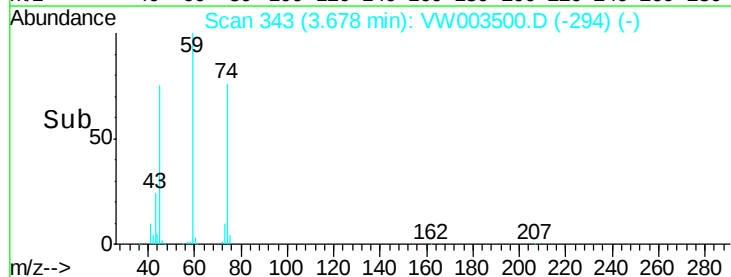
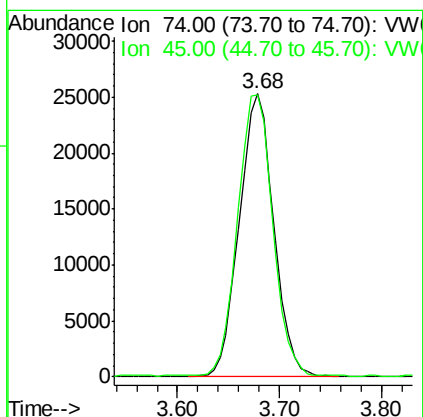
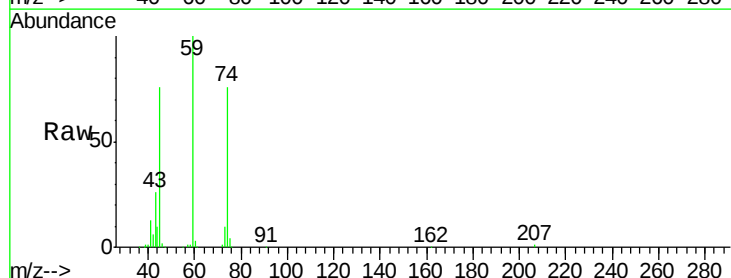
Tgt Ion:101 Resp: 63823
Ion Ratio Lower Upper
101 100
103 62.3 53.4 80.0

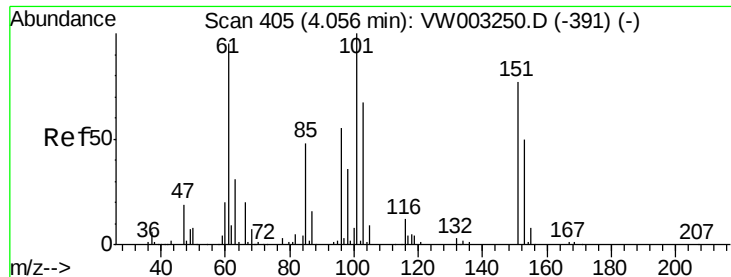


#8

Diethyl Ether
Concen: 53.845 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 74 Resp: 59491
Ion Ratio Lower Upper
74 100
45 100.6 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.597 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

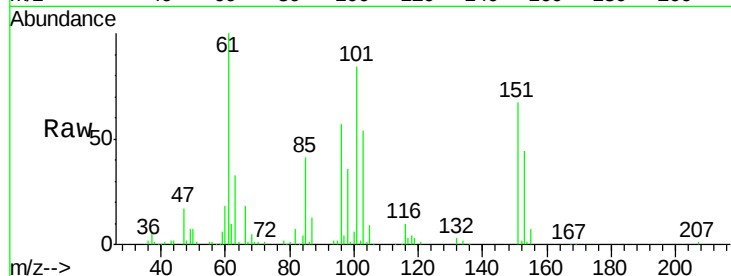
Tgt Ion:101 Resp: 91052

Ion Ratio Lower Upper

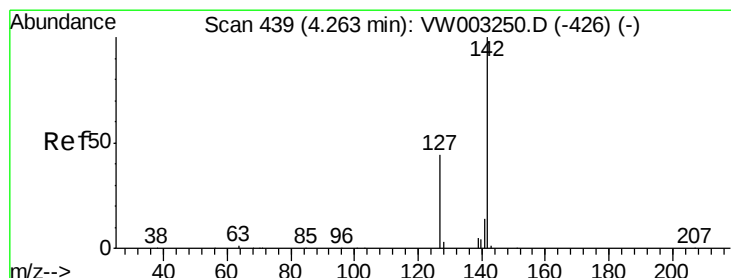
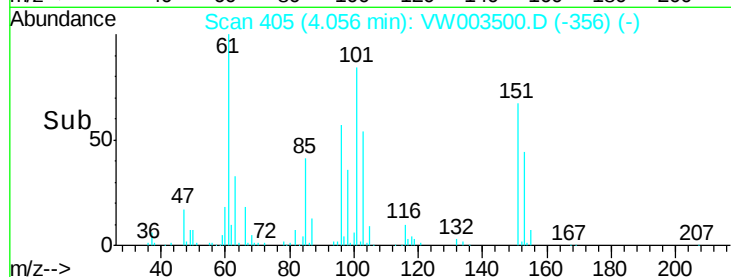
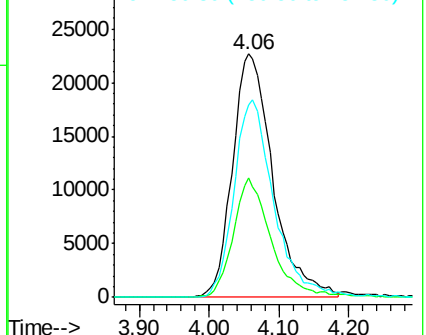
101 100

85 46.1 37.0 55.6

151 80.2 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.615 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

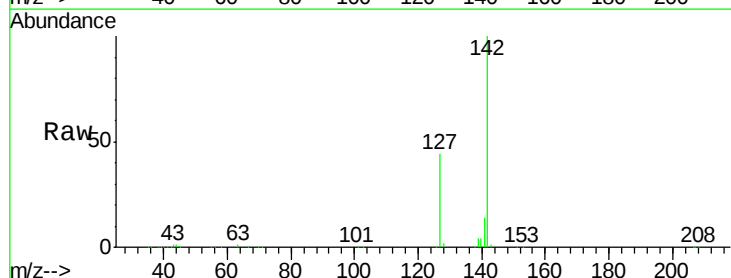
Tgt Ion:142 Resp: 163025

Ion Ratio Lower Upper

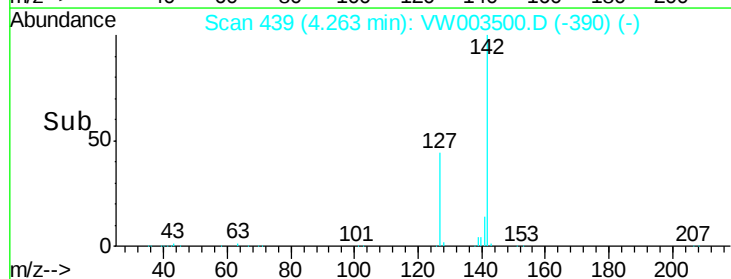
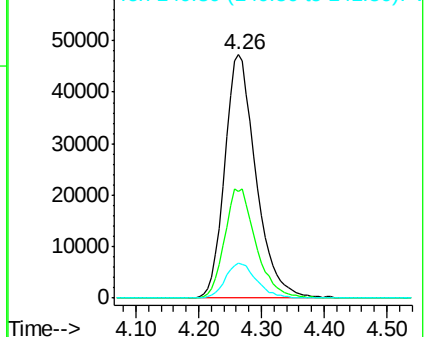
142 100

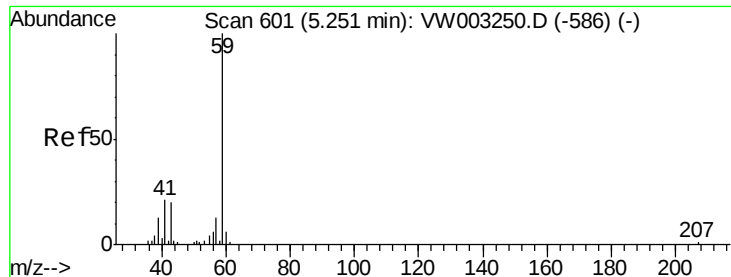
127 45.1 36.5 54.7

141 14.5 12.1 18.1



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

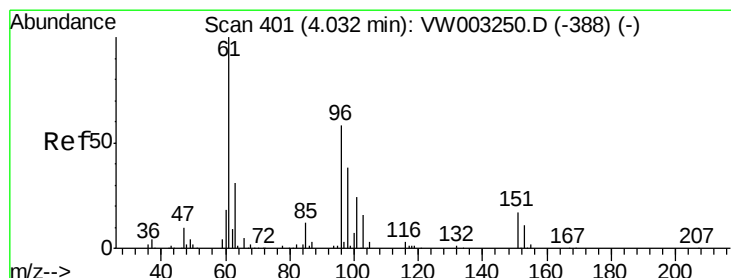
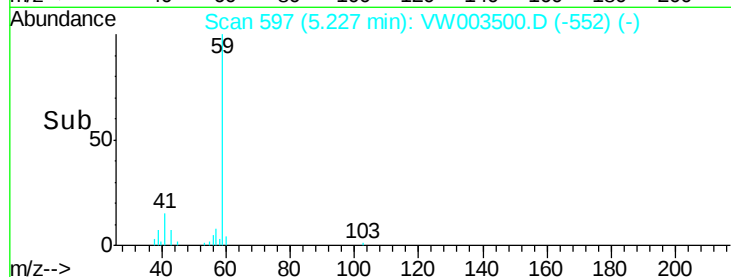
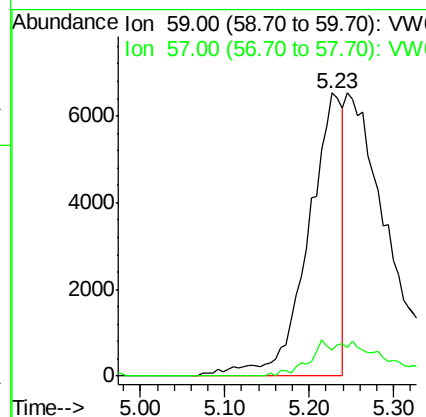
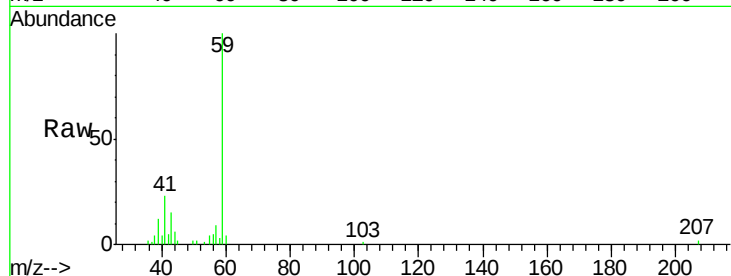




#11
Tert butyl alcohol
Concen: 142.722 ug/l
RT: 5.23 min Scan# 597
Delta R.T. -0.02 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

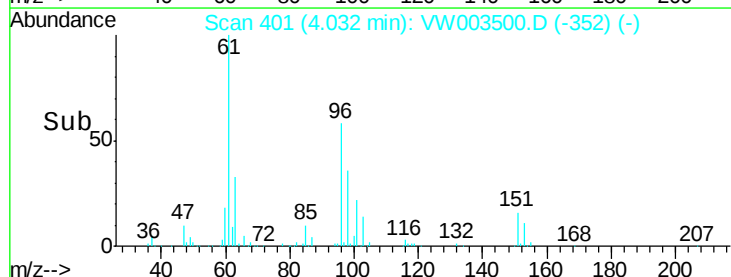
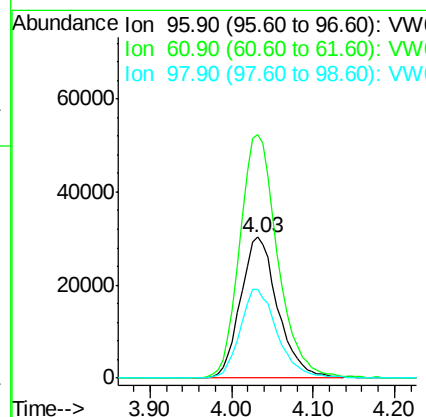
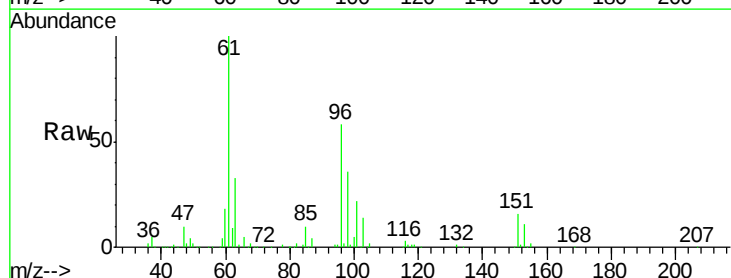
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

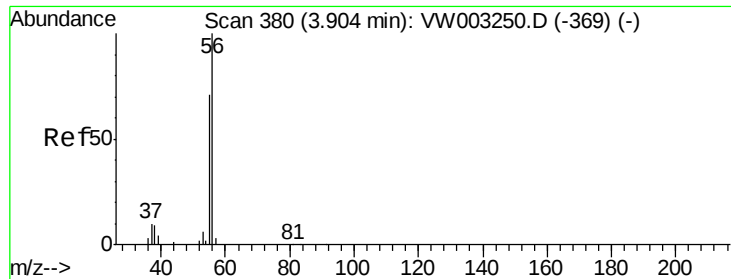
Tgt Ion: 59 Resp: 18692
Ion Ratio Lower Upper
59 100
57 8.2 4.2 6.2#



#12
1,1-Dichloroethene
Concen: 47.026 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 96 Resp: 95976
Ion Ratio Lower Upper
96 100
61 172.9 139.0 208.4
98 63.1 53.3 79.9





#13

Acrolein

Concen: 315.051 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

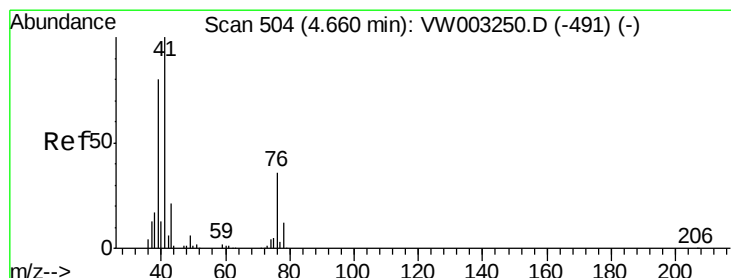
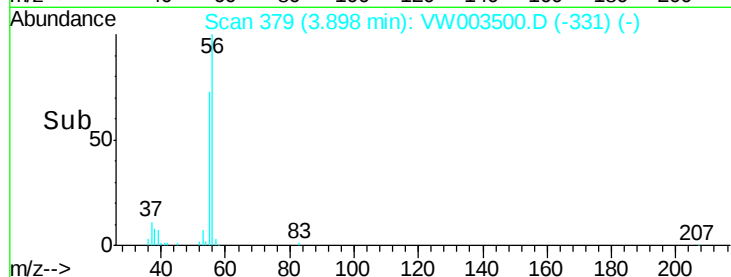
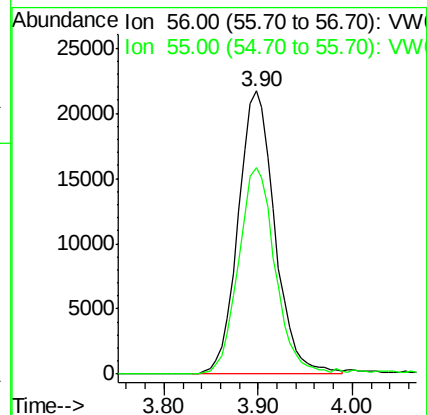
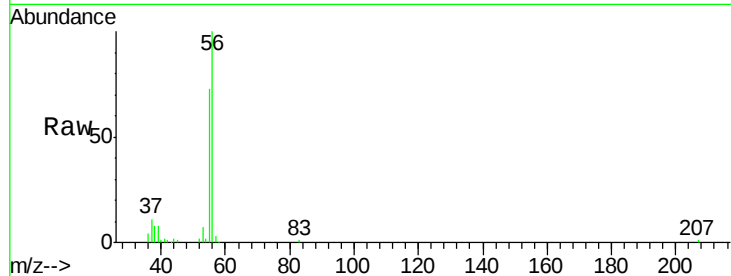
VSTDCCC050EC

Tgt Ion: 56 Resp: 58993

Ion Ratio Lower Upper

56 100

55 72.9 55.4 83.2



#14

Allyl chloride

Concen: 51.099 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

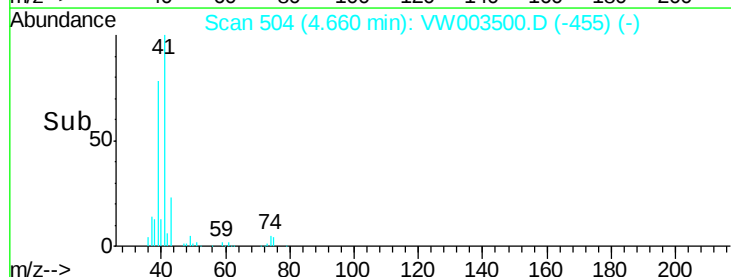
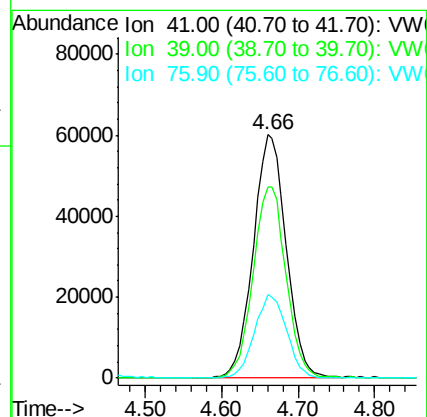
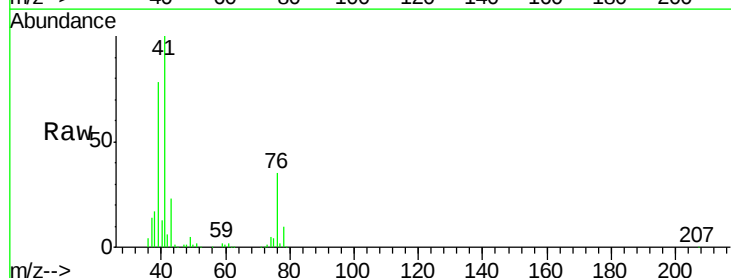
Tgt Ion: 41 Resp: 180649

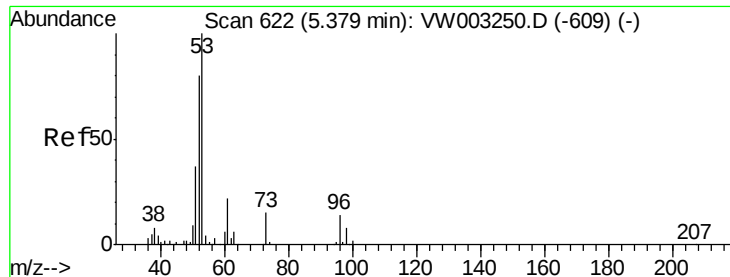
Ion Ratio Lower Upper

41 100

39 78.2 63.2 94.8

76 33.6 28.0 42.0





#15

Acrylonitrile

Concen: 287.366 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

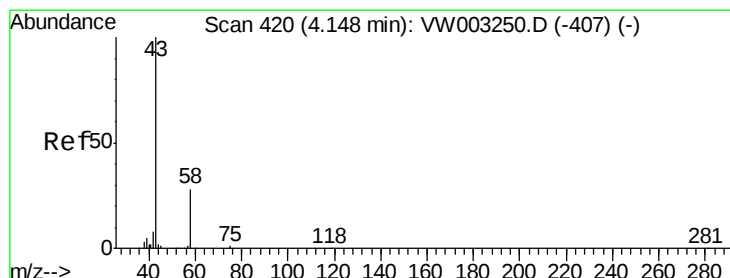
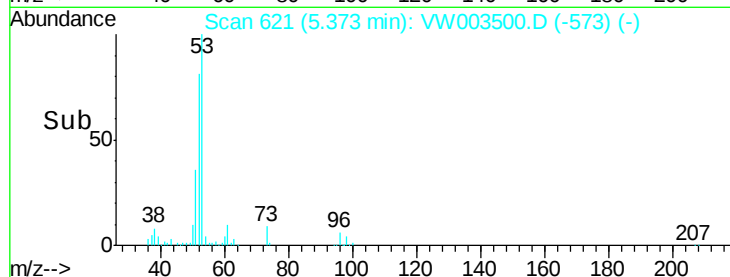
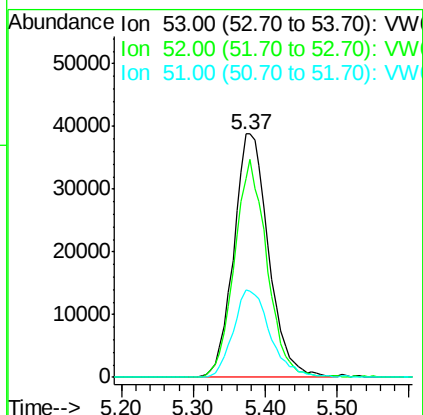
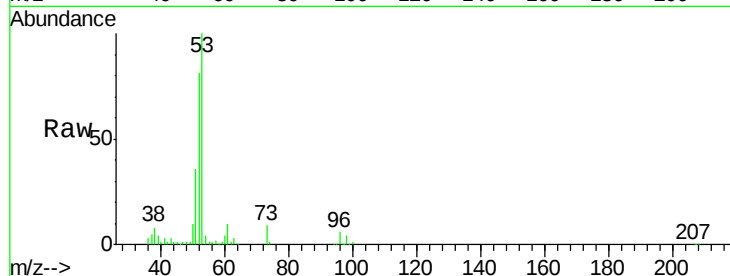
Tgt Ion: 53 Resp: 130629

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 38.0 30.6 46.0



#16

Acetone

Concen: 219.931 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003500.D

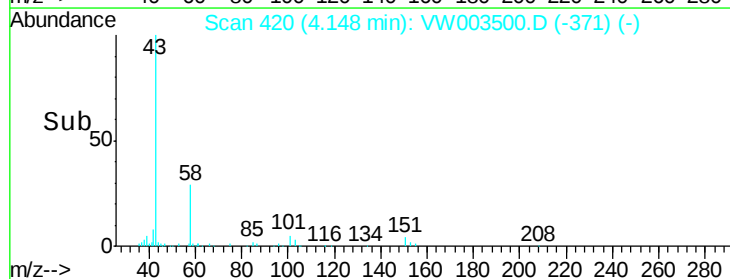
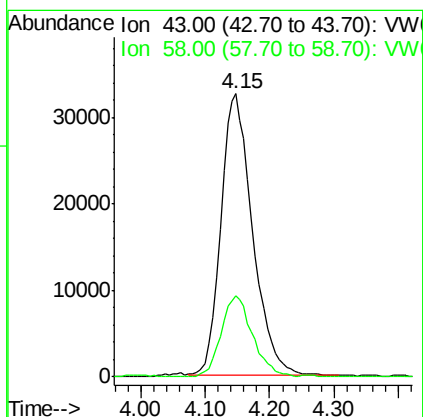
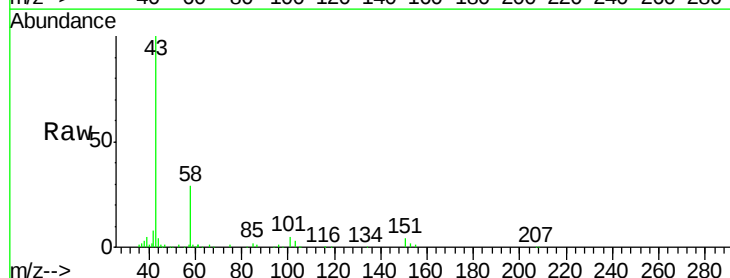
Acq: 24 Jun 2018 10:05

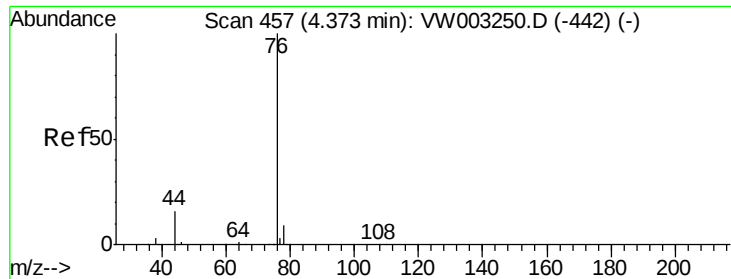
Tgt Ion: 43 Resp: 112641

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0





#17

Carbon Disulfide

Concen: 46.055 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

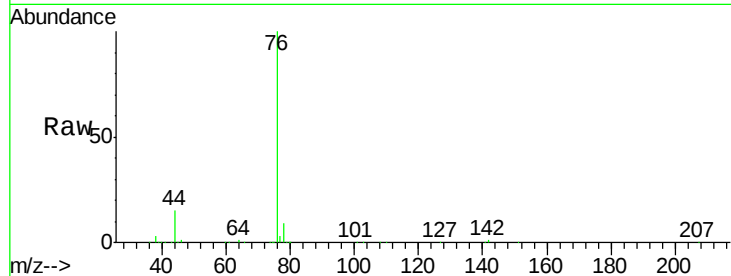
VSTDCCC050EC

Tgt Ion: 76 Resp: 277884

Ion Ratio Lower Upper

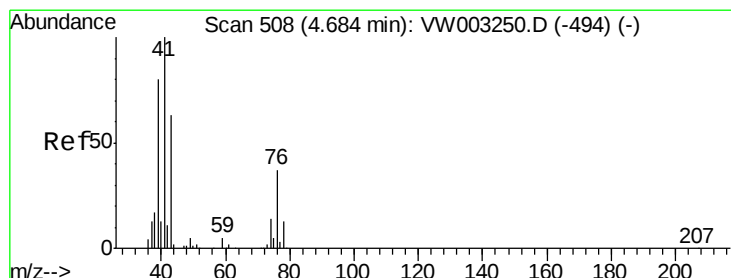
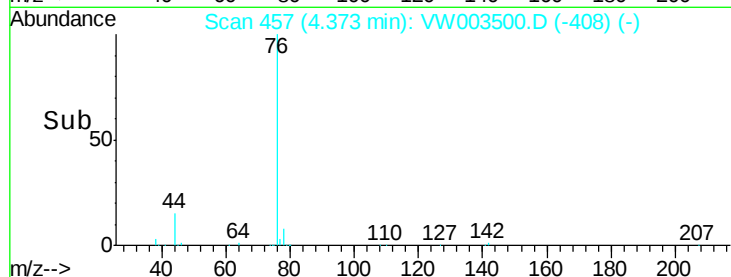
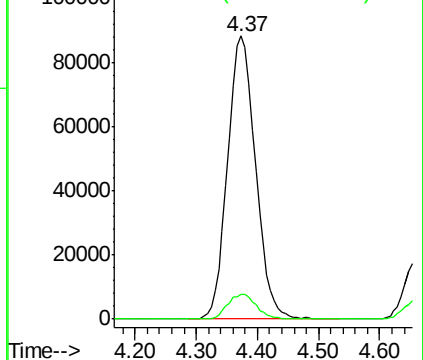
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 59.173 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003500.D

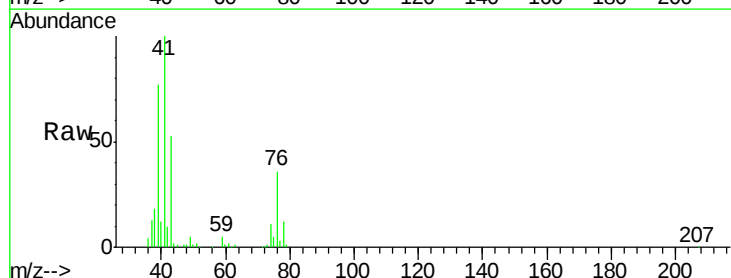
Acq: 24 Jun 2018 10:05

Tgt Ion: 43 Resp: 71896

Ion Ratio Lower Upper

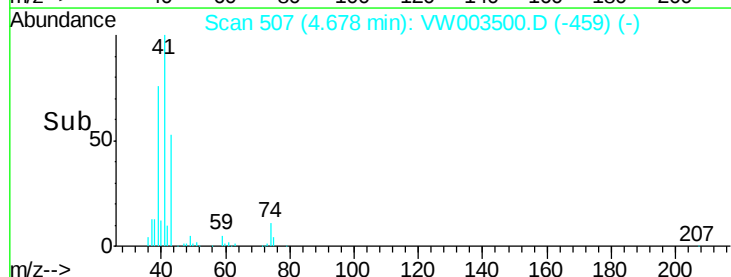
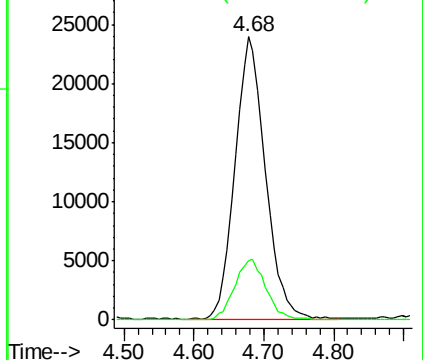
43 100

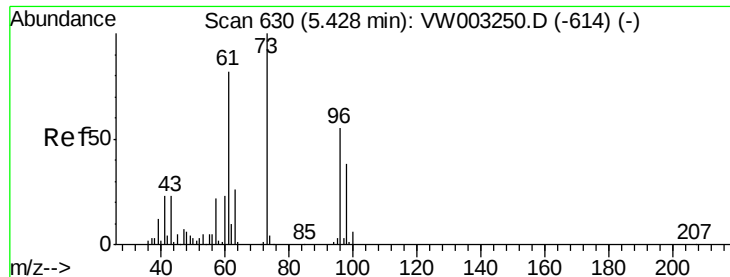
74 22.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

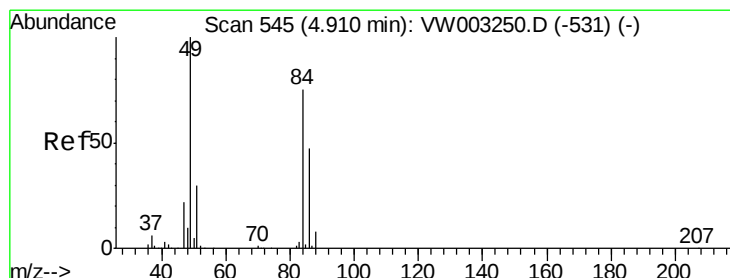
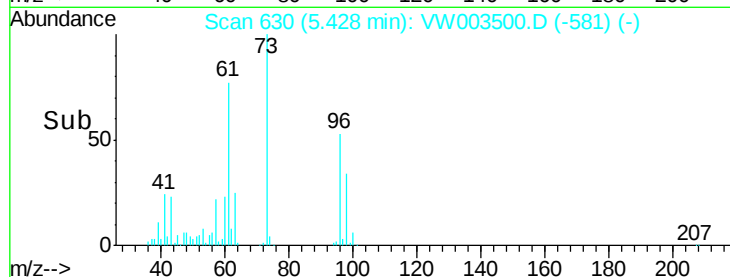
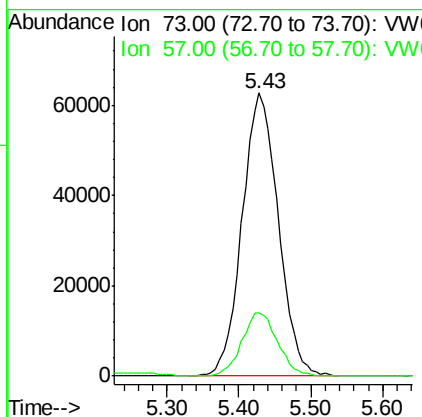
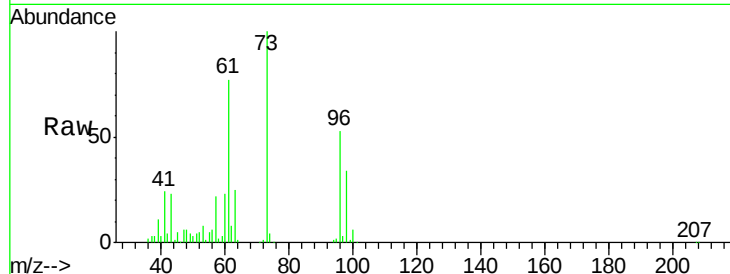




#19
Methyl tert-butyl Ether
Concen: 57.235 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

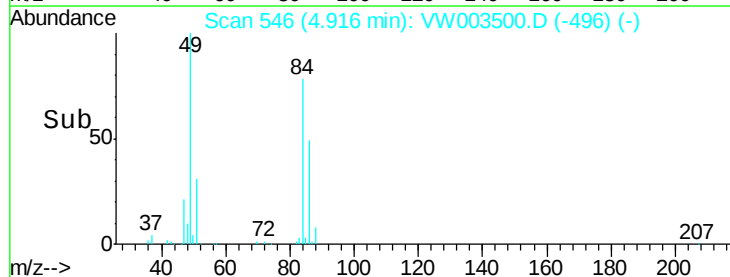
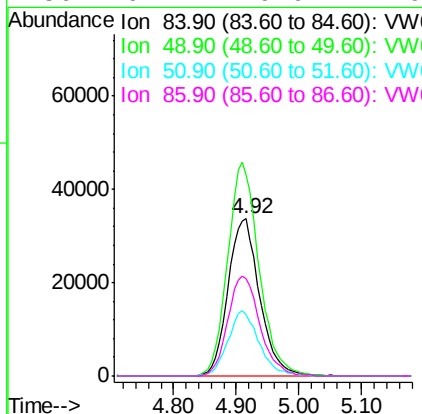
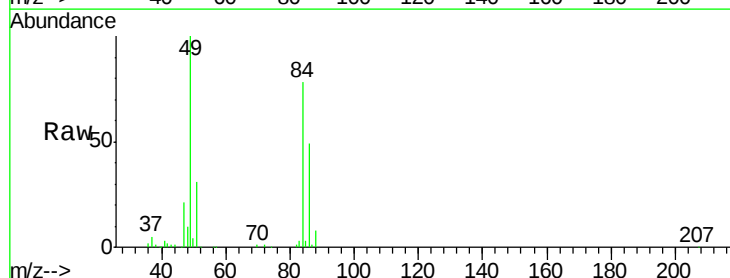
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

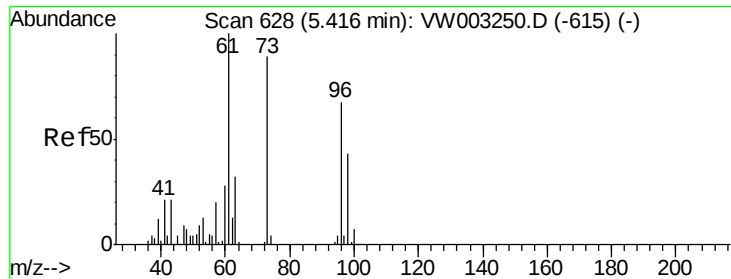
Tgt Ion: 73 Resp: 218786
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



#20
Methylene Chloride
Concen: 54.433 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 84 Resp: 117720
Ion Ratio Lower Upper
84 100
49 127.9 106.3 159.5
51 39.1 32.0 48.0
86 62.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.570 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

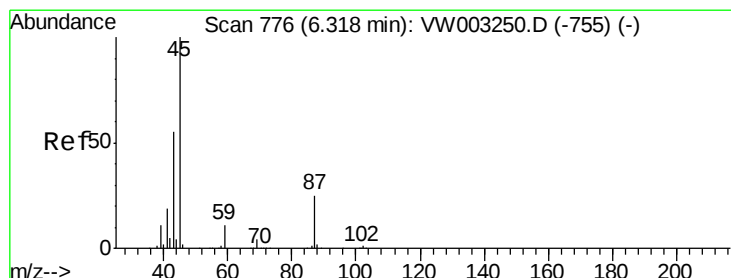
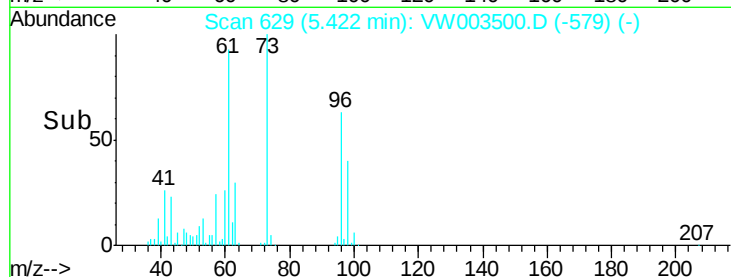
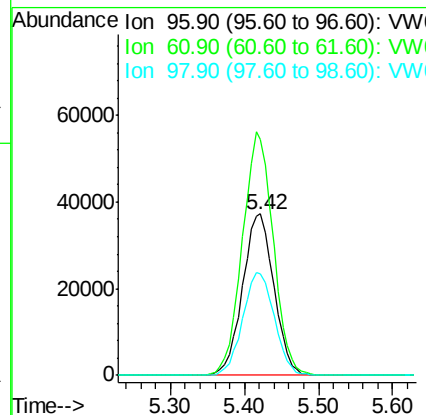
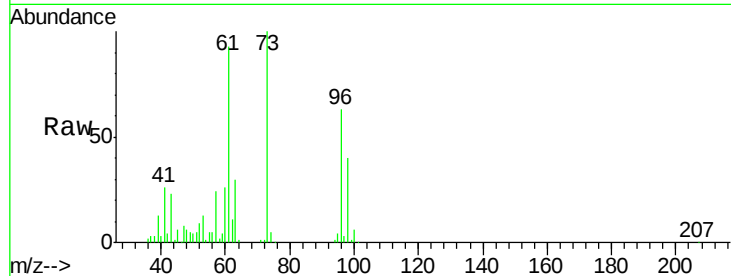
Tgt Ion: 96 Resp: 110104

Ion Ratio Lower Upper

96 100

61 146.5 118.7 178.1

98 62.7 51.0 76.6



#22

Diisopropyl ether

Concen: 56.934 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Tgt Ion: 45 Resp: 405082

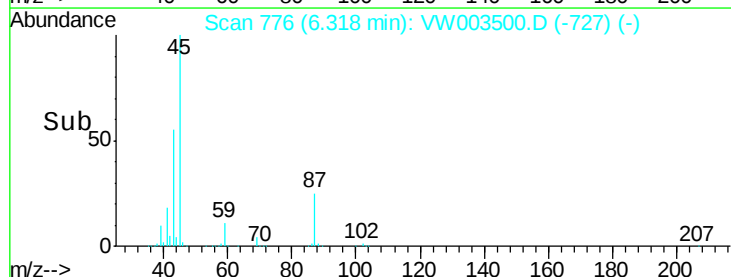
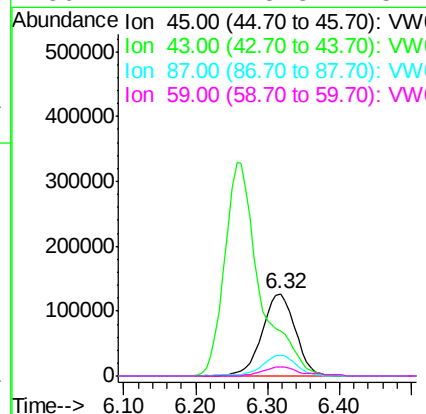
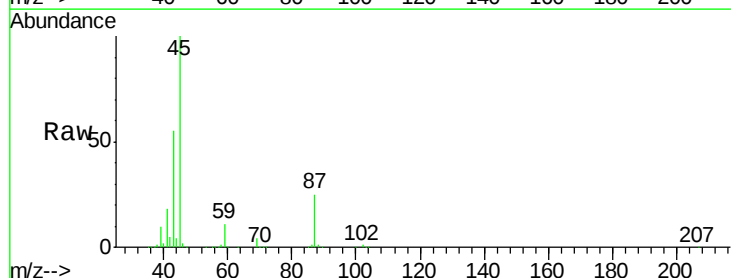
Ion Ratio Lower Upper

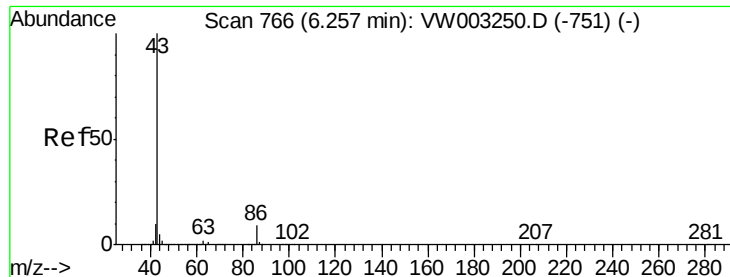
45 100

43 54.4 44.0 66.0

87 24.7 20.6 31.0

59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 273.123 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

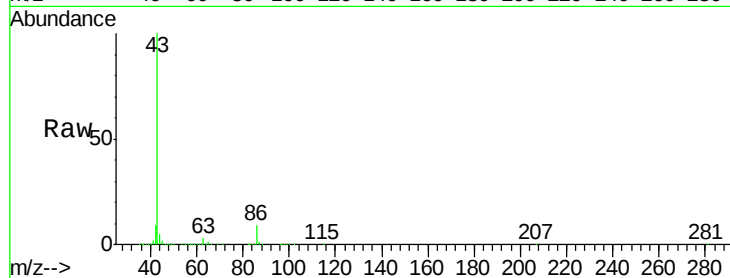
VSTDCCC050EC

Tgt Ion: 43 Resp: 1119834

Ion Ratio Lower Upper

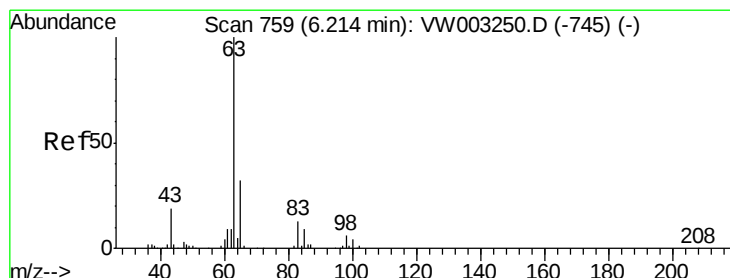
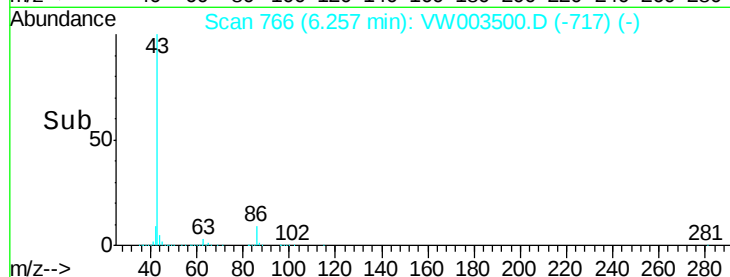
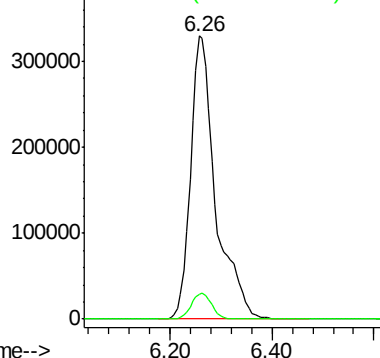
43 100

86 8.9 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.018 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

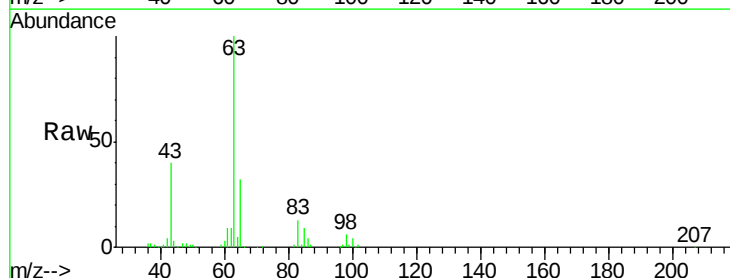
Tgt Ion: 63 Resp: 223942

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

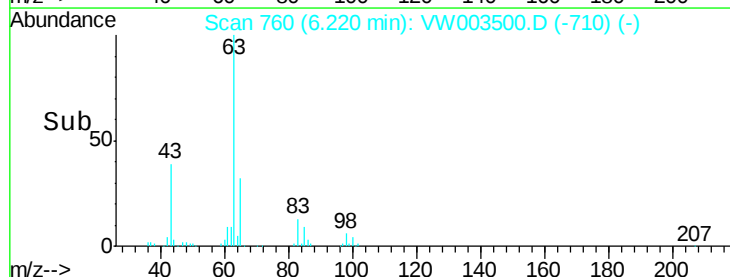
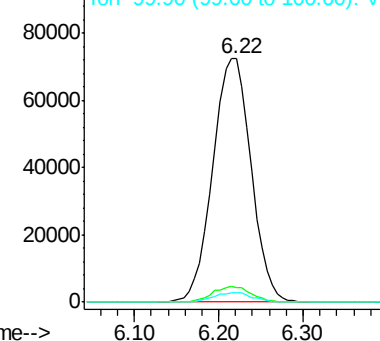
100 3.9 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 269.846 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

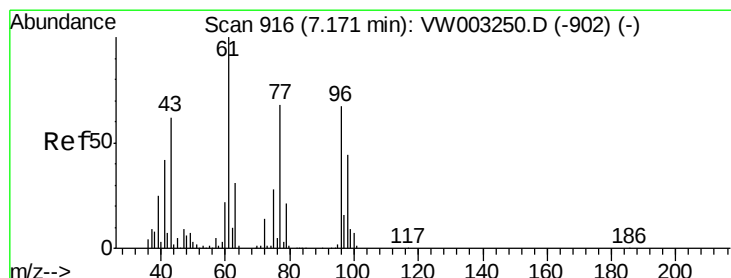
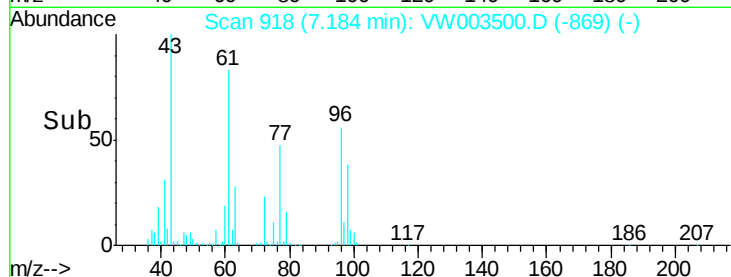
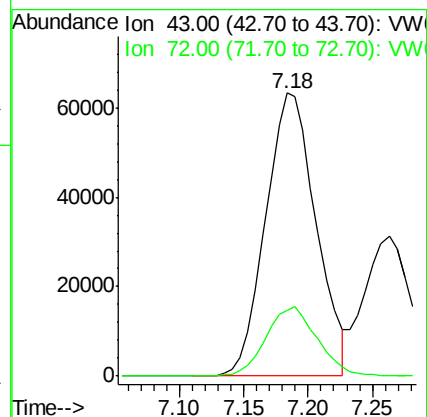
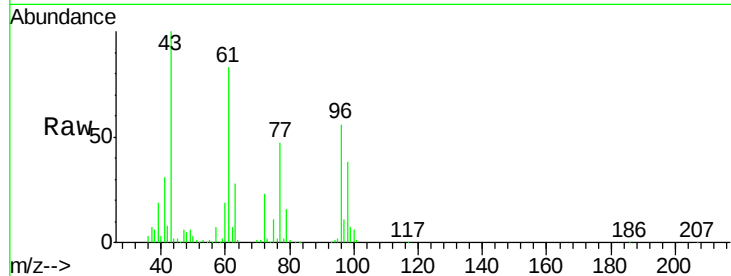
VSTDCCC050EC

Tgt Ion: 43 Resp: 171856

Ion Ratio Lower Upper

43 100

72 23.4 20.3 30.5



#26

2,2-Dichloropropane

Concen: 41.671 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003500.D

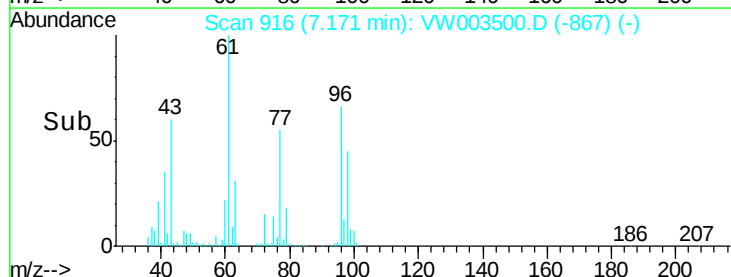
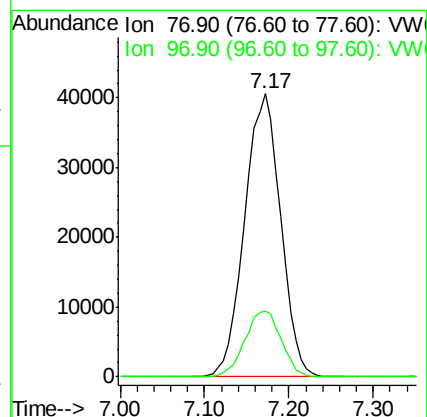
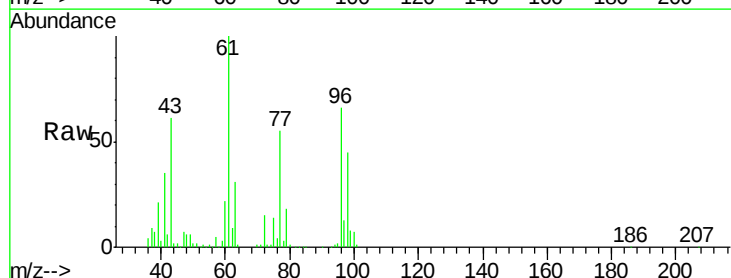
Acq: 24 Jun 2018 10:05

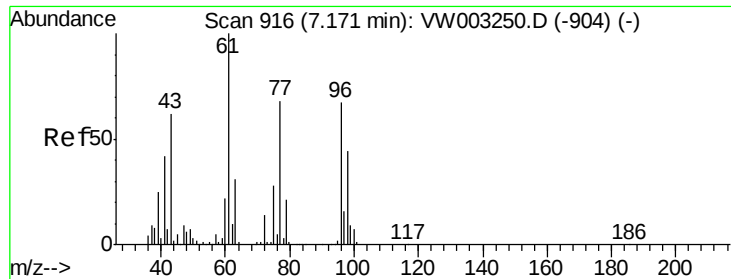
Tgt Ion: 77 Resp: 117469

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 52.898 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

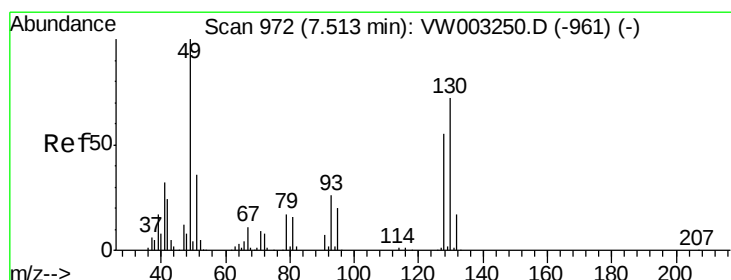
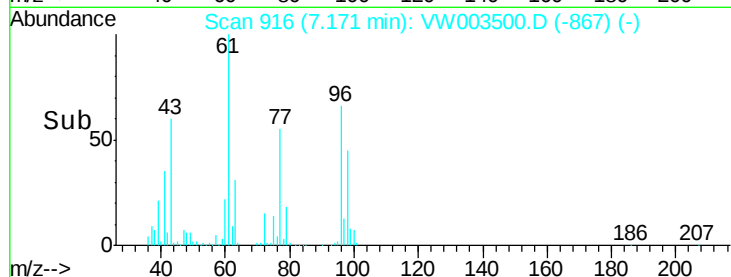
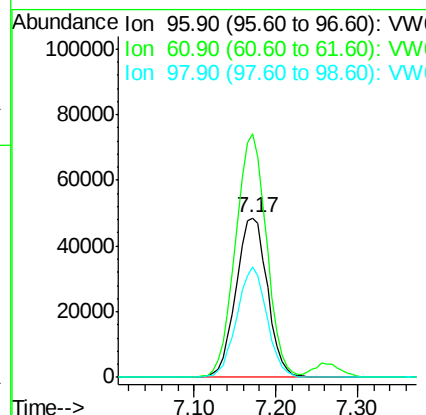
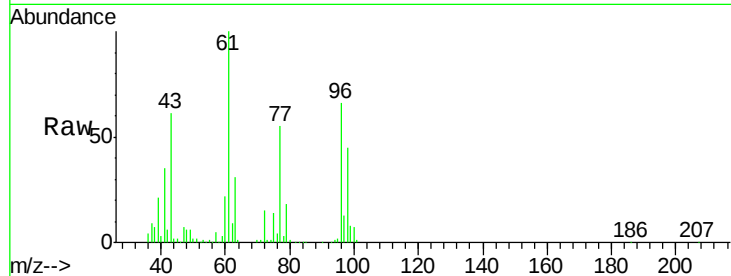
Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 129074

Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	298.8
98	66.2	0.0	130.4



#28

Bromochloromethane

Concen: 61.379 ug/l

RT: 7.51 min Scan# 972

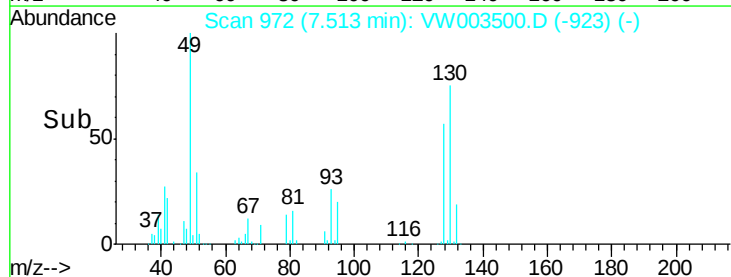
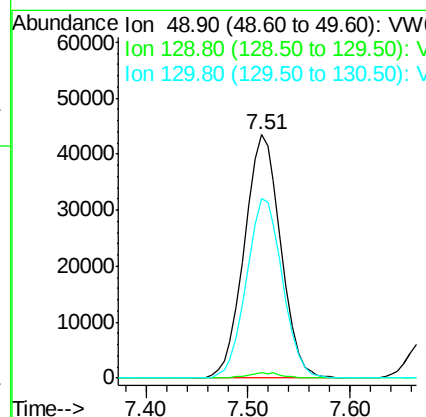
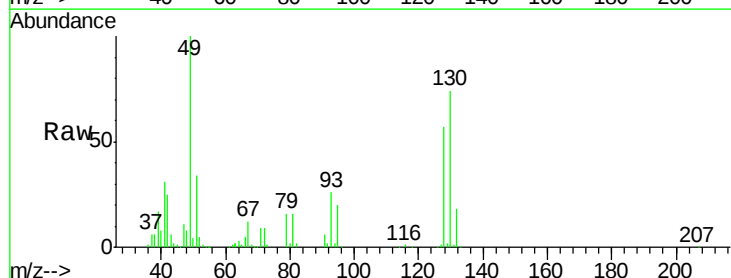
Delta R.T. 0.00 min

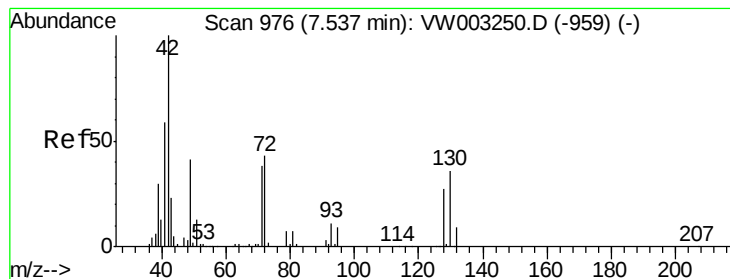
Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Tgt Ion: 49 Resp: 107884

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	73.1	59.4	89.2





#29

Tetrahydrofuran

Concen: 294.489 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

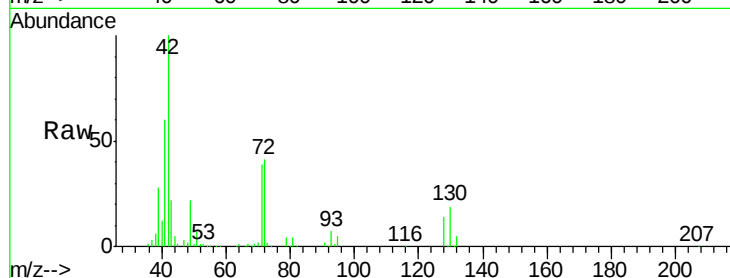
Tgt Ion: 42 Resp: 114624

Ion Ratio Lower Upper

42 100

72 40.0 32.4 48.6

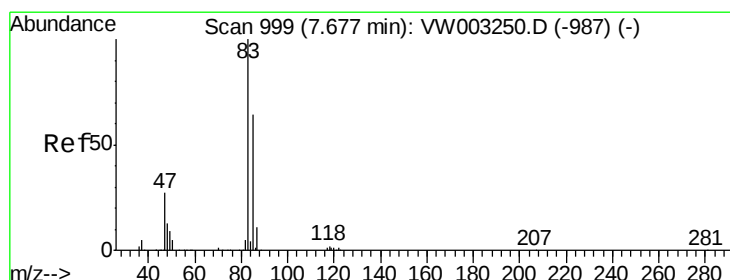
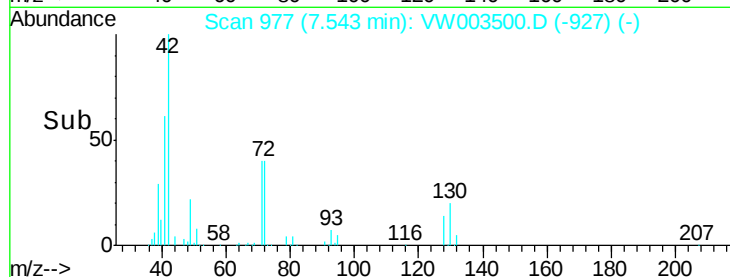
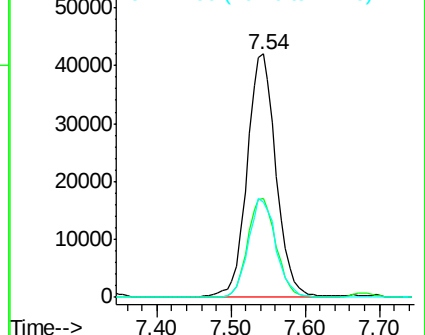
71 38.9 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 53.635 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003500.D

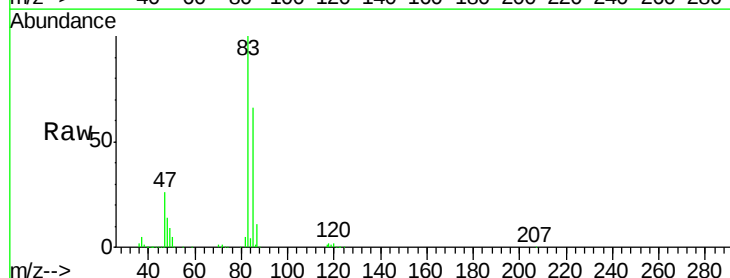
Acq: 24 Jun 2018 10:05

Tgt Ion: 83 Resp: 230801

Ion Ratio Lower Upper

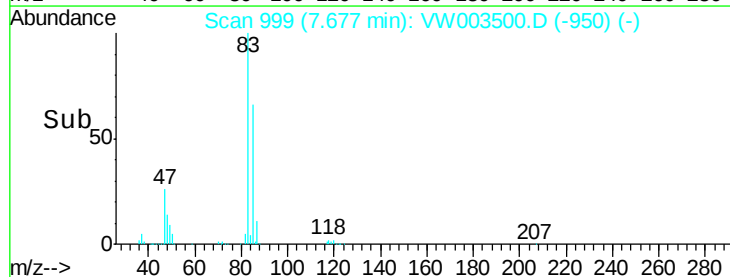
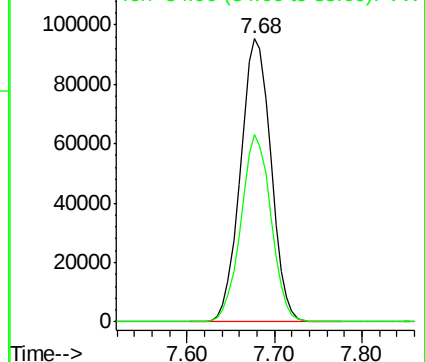
83 100

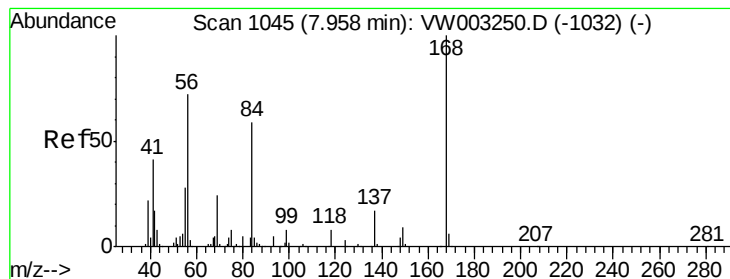
85 66.1 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 43.289 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

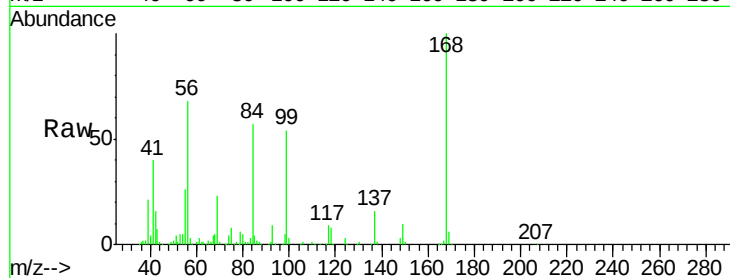
Tgt Ion: 56 Resp: 170822

Ion Ratio Lower Upper

56 100

69 33.3 26.3 39.5

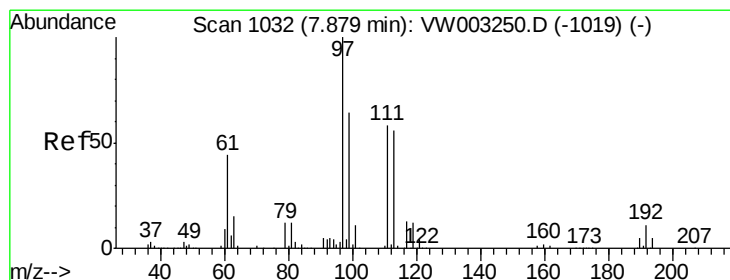
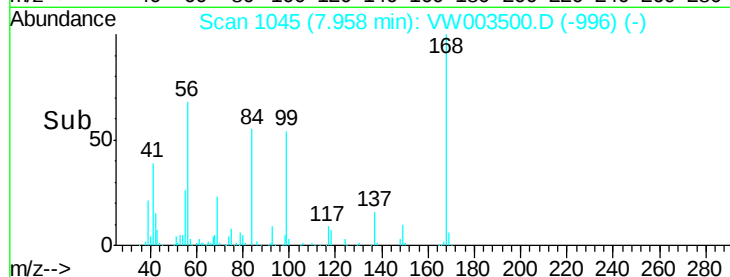
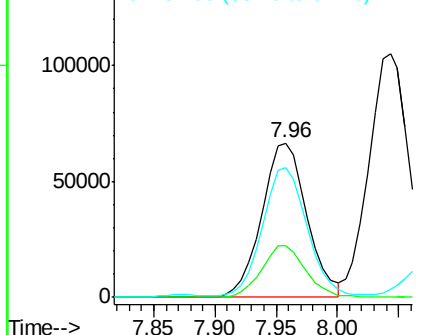
84 82.5 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.444 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

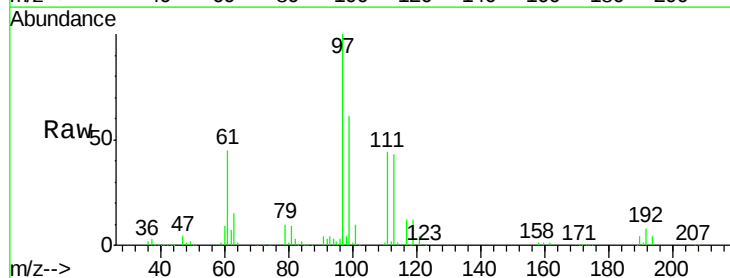
Tgt Ion: 97 Resp: 175623

Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

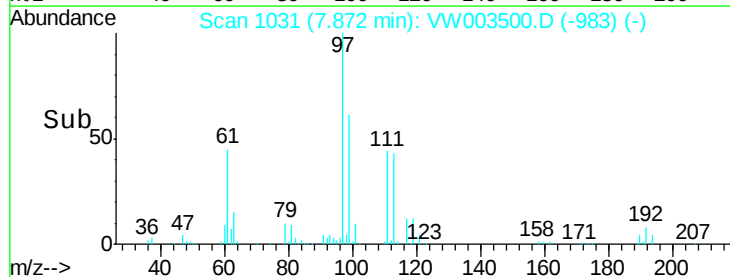
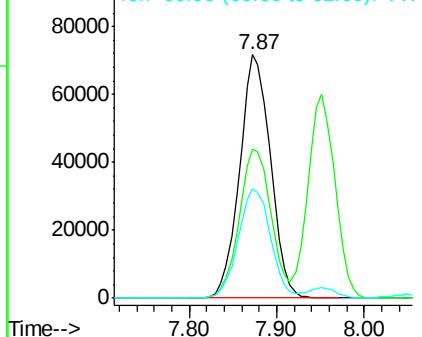
61 46.8 37.6 56.4

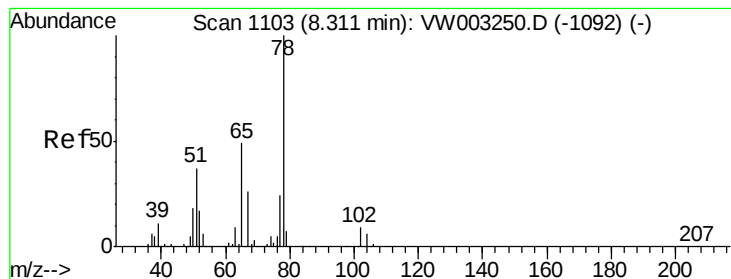


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 55.858 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

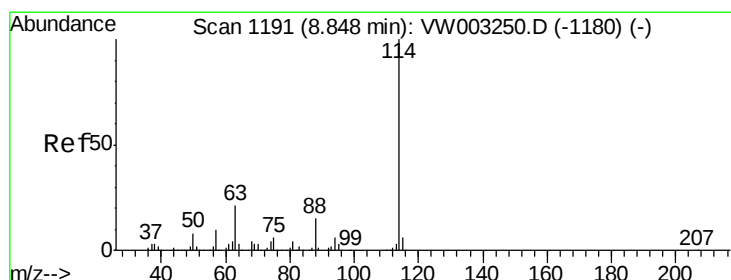
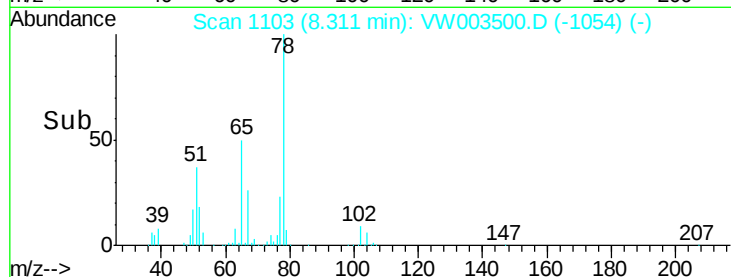
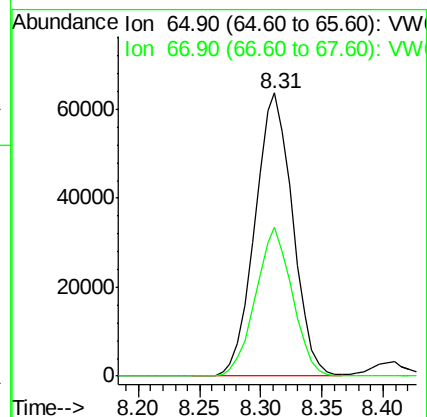
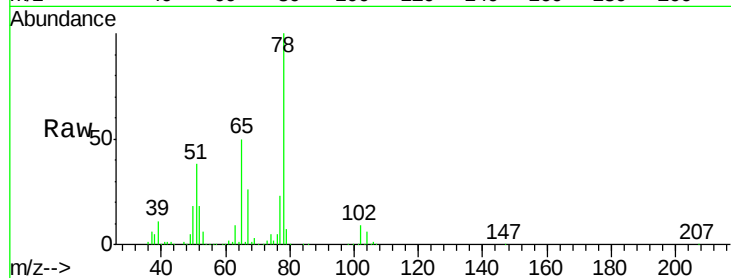
VSTDCCC050EC

Tgt Ion: 65 Resp: 136406

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

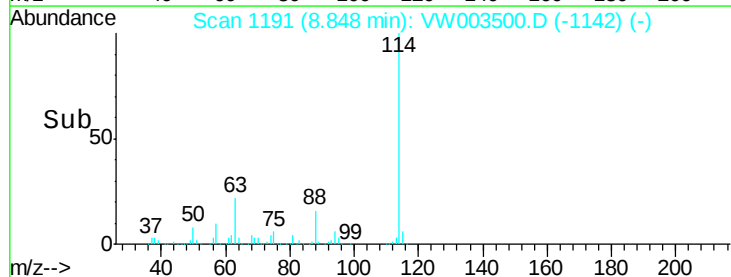
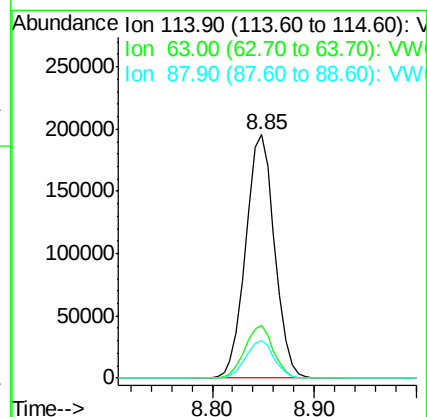
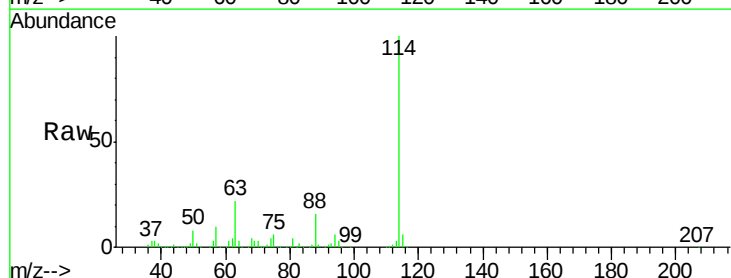
Tgt Ion: 114 Resp: 383242

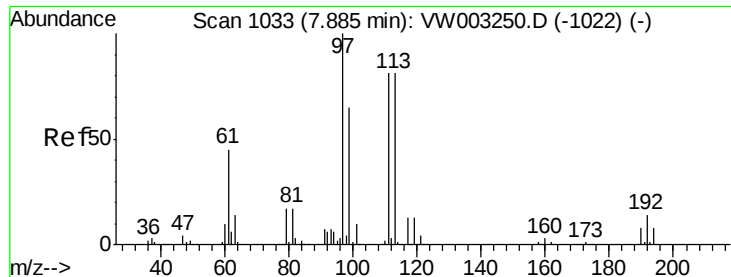
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.0

88 15.7 0.0 29.6

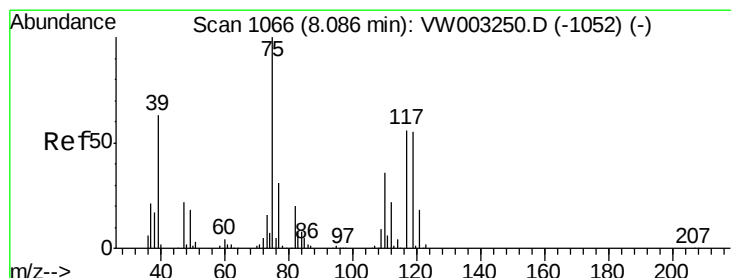
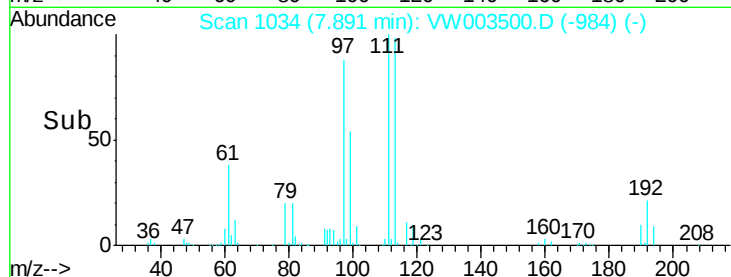
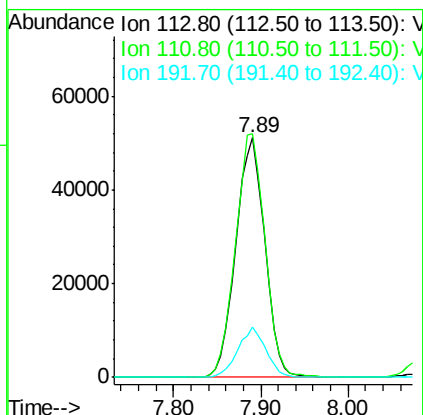
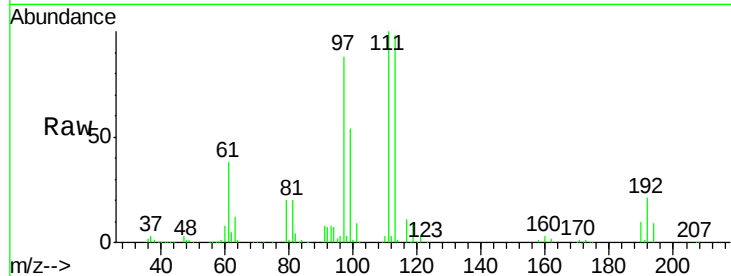




#35
 Dibromofluoromethane
 Concen: 49.688 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

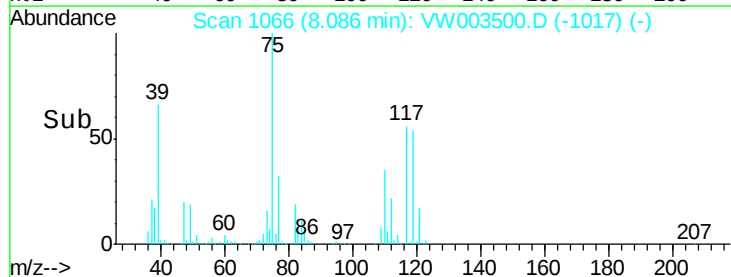
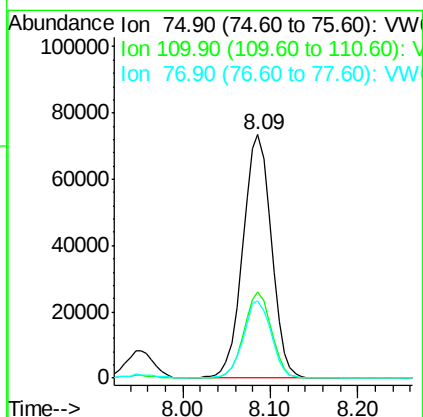
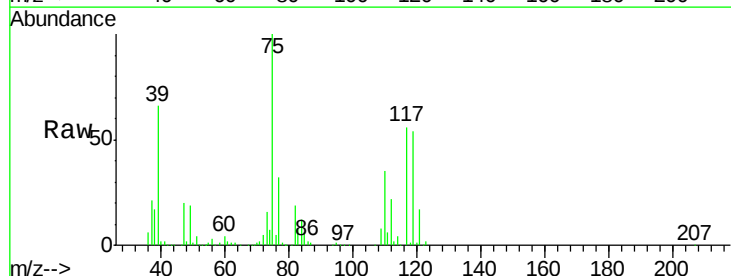
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

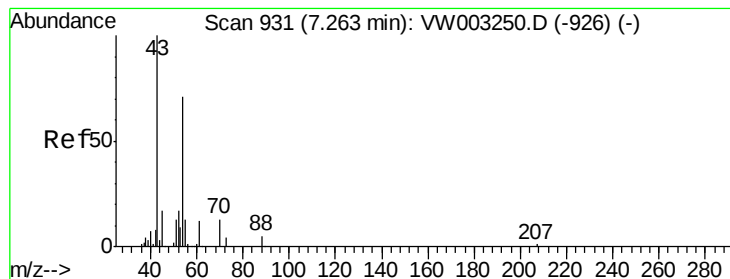
Tgt Ion:113 Resp: 118324
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 20.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 44.921 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 75 Resp: 166259
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.1 51.3
 77 31.4 24.9 37.3





#37

Ethyl Acetate

Concen: 51.117 ug/l

RT: 7.26 min Scan# 931

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

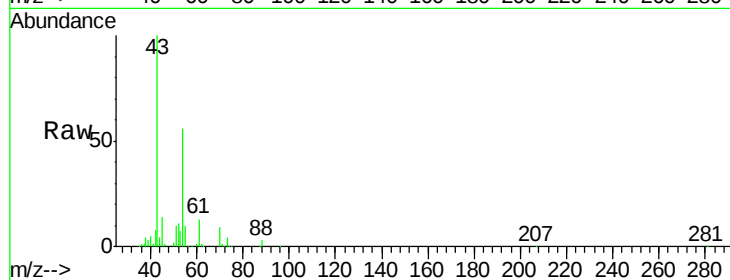
Tgt Ion: 43 Resp: 78377

Ion Ratio Lower Upper

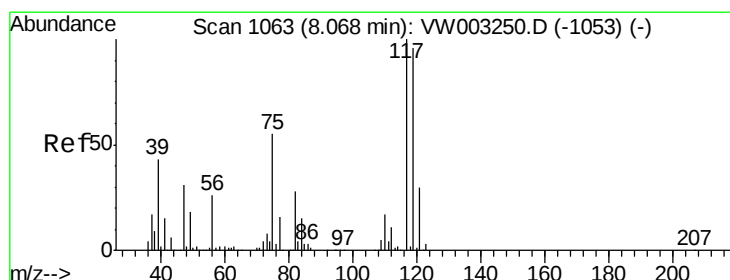
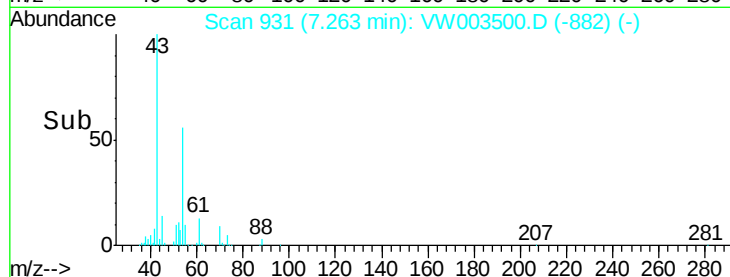
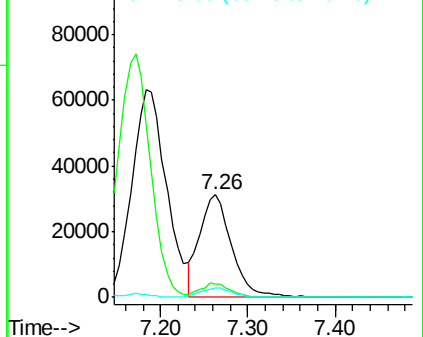
43 100

61 13.6 10.8 16.2

70 9.2 7.8 11.6



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



#38

Carbon Tetrachloride

Concen: 43.334 ug/l

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

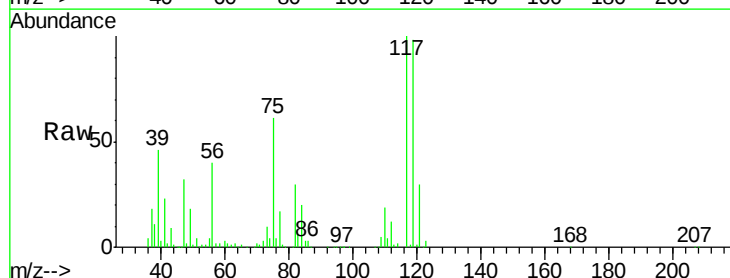
Tgt Ion: 117 Resp: 157320

Ion Ratio Lower Upper

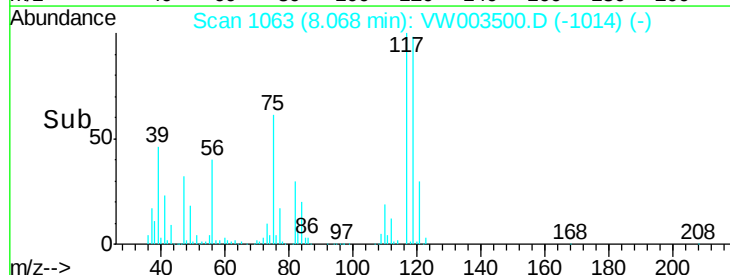
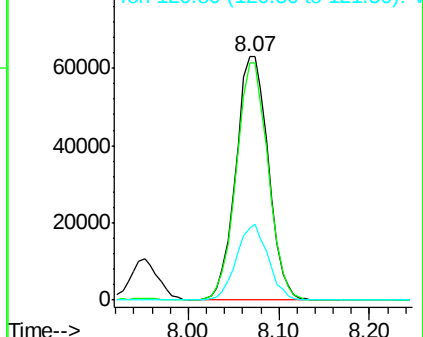
117 100

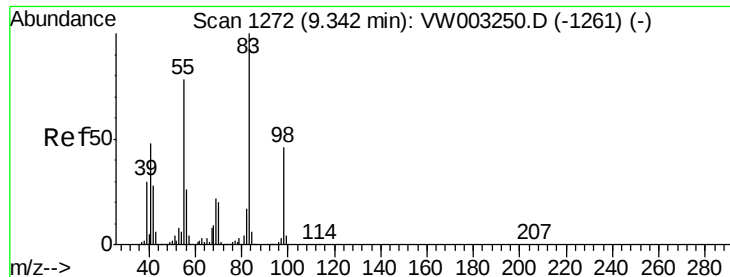
119 97.6 76.6 115.0

121 29.8 23.9 35.9



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

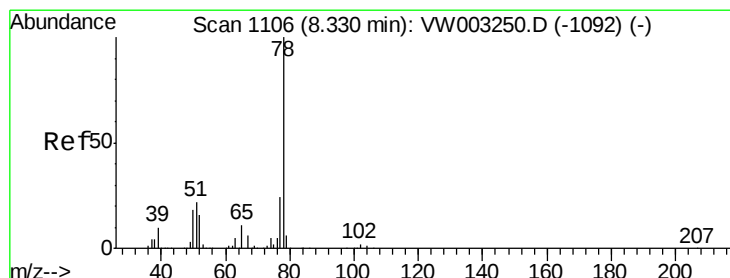
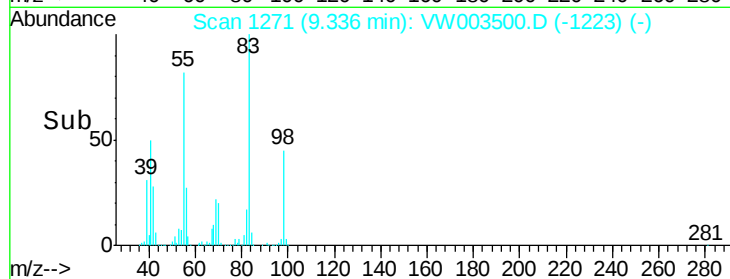
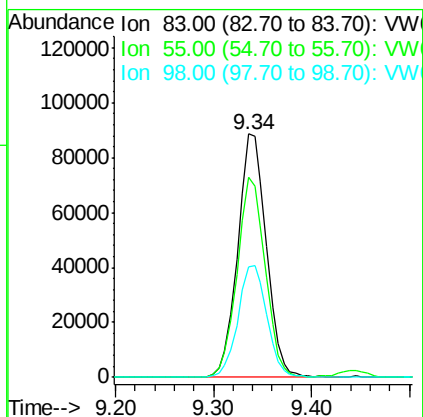
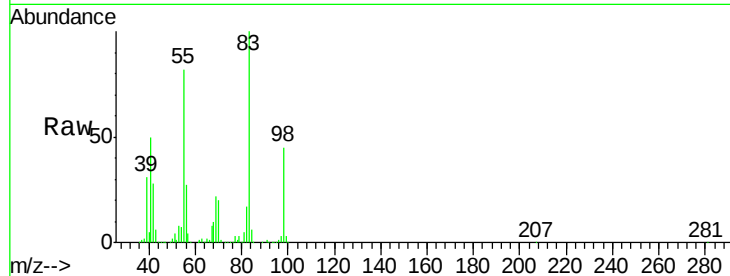




#39
Methylcyclohexane
Concen: 42.050 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

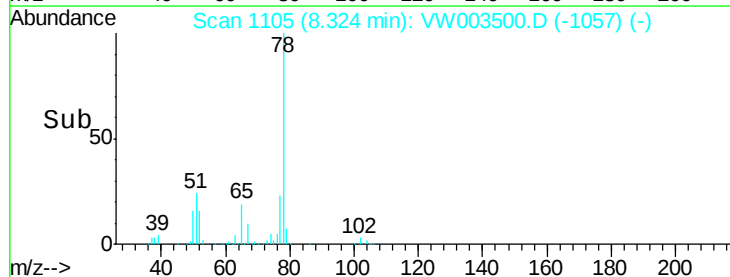
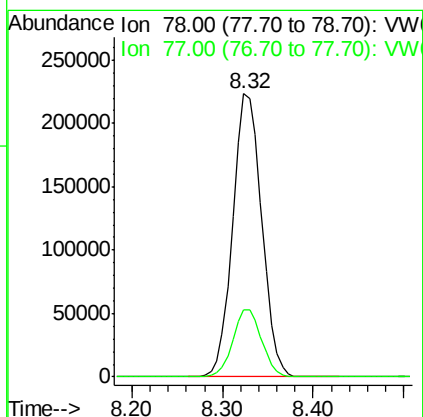
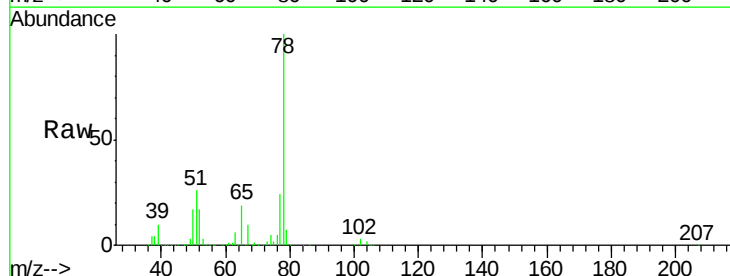
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 180077
Ion Ratio Lower Upper
83 100
55 82.0 62.6 93.8
98 45.3 37.0 55.4



#40
Benzene
Concen: 48.838 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 78 Resp: 498241
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

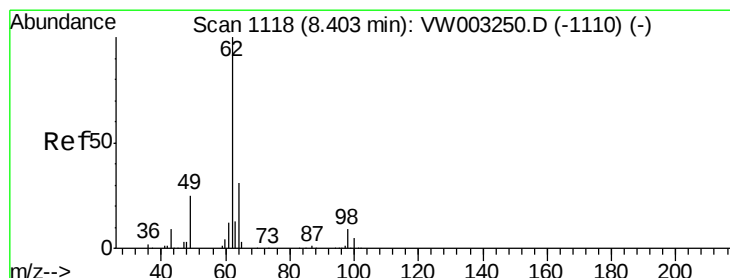
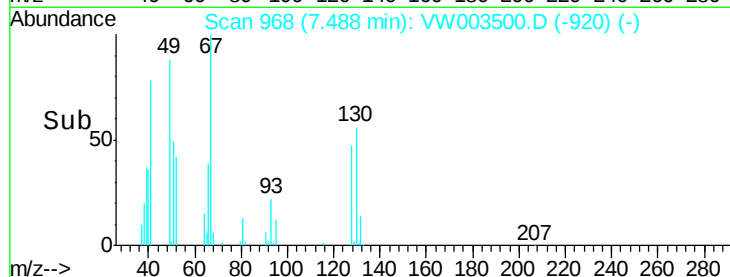
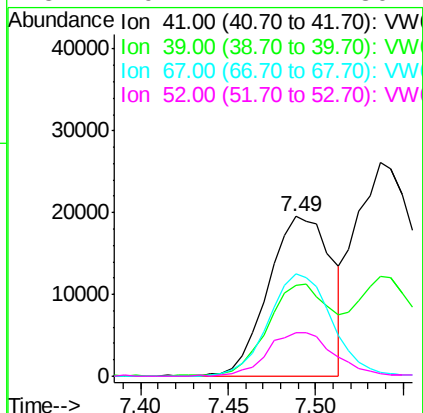
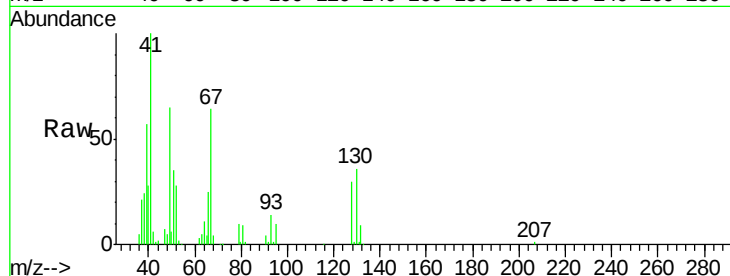




#41
Methacrylonitrile
Concen: 52.519 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

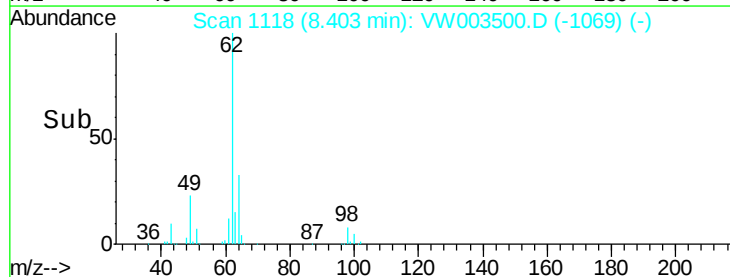
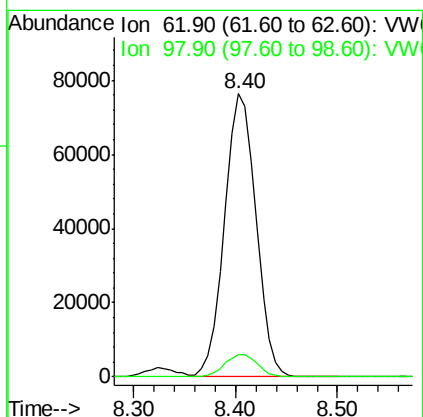
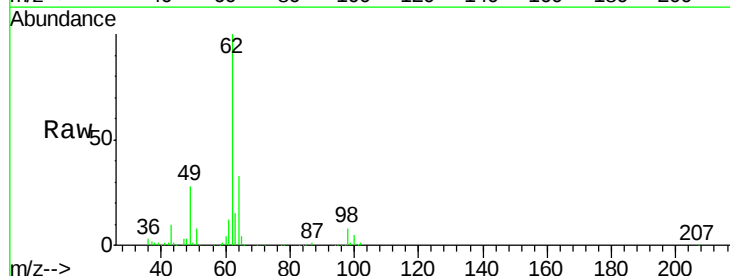
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	49415
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.8	68.8
67	64.5	52.3	78.5
52	29.2	24.1	36.1



#42
1,2-Dichloroethane
Concen: 51.166 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion:	62	Resp:	163543
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 51.389 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

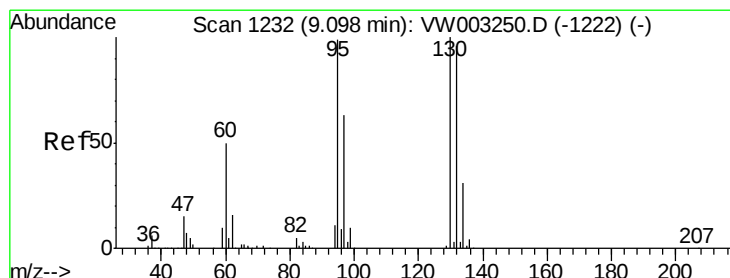
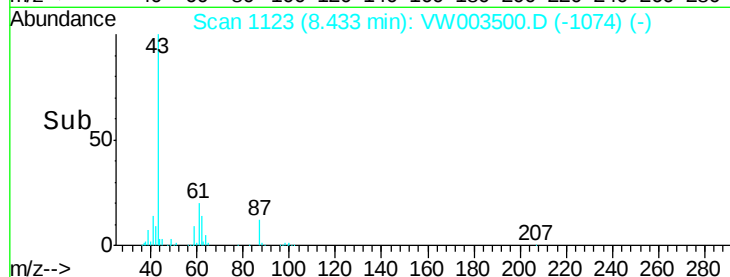
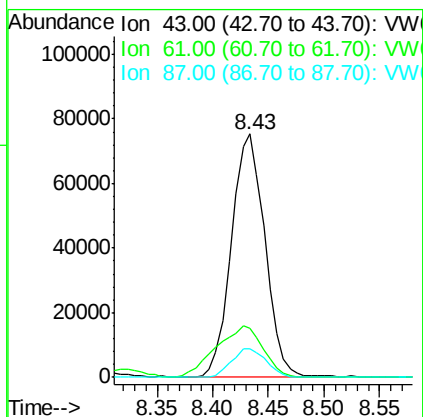
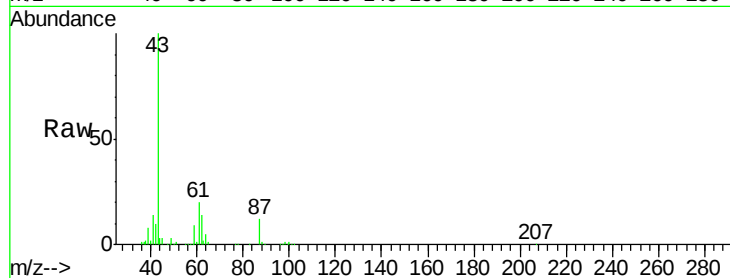
Tgt Ion: 43 Resp: 156456

Ion Ratio Lower Upper

43 100

61 29.7 23.1 34.7

87 12.2 9.8 14.6



#44

Trichloroethene

Concen: 46.620 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003500.D

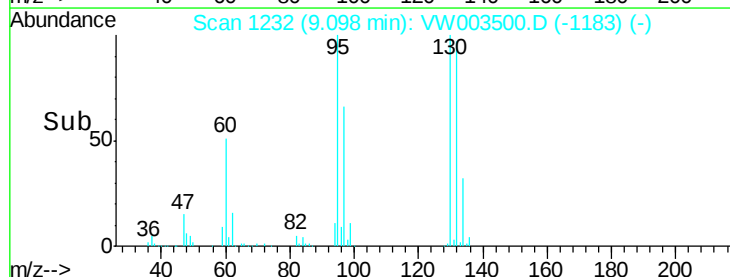
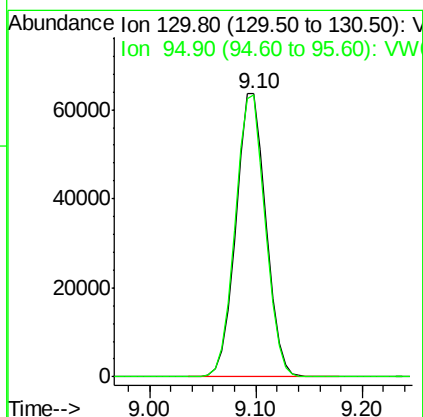
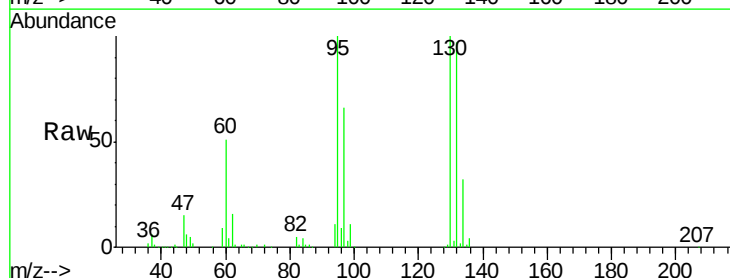
Acq: 24 Jun 2018 10:05

Tgt Ion: 130 Resp: 126027

Ion Ratio Lower Upper

130 100

95 99.8 0.0 198.0

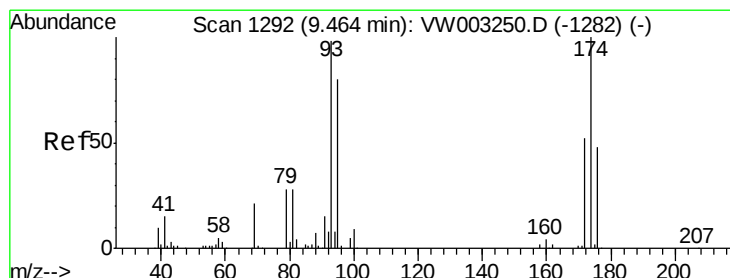
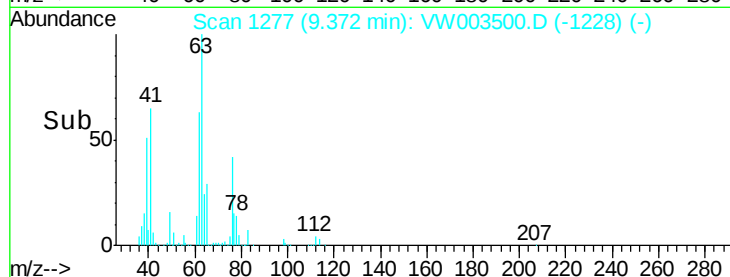
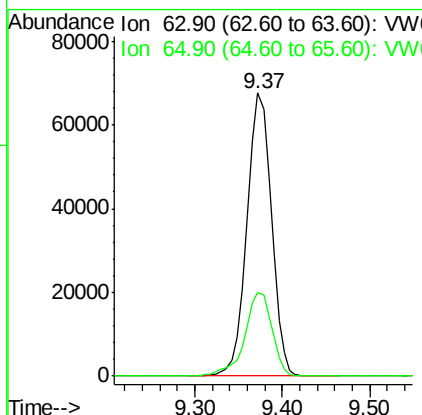
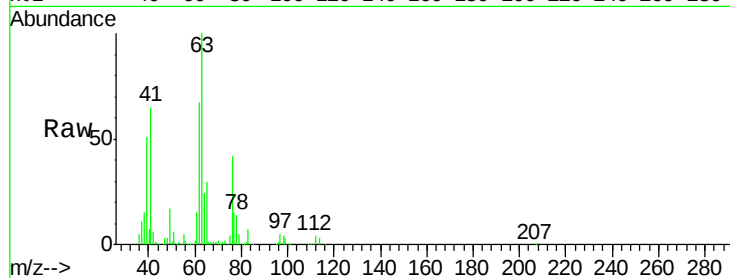




#45
 1,2-Dichloropropane
 Concen: 50.849 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

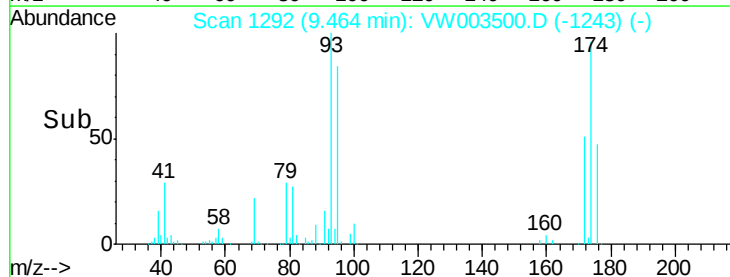
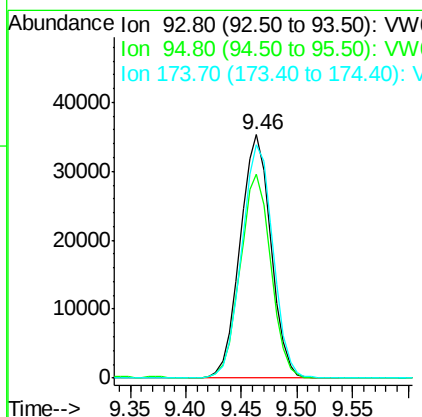
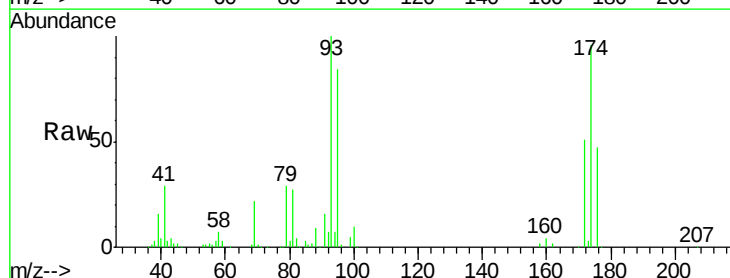
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

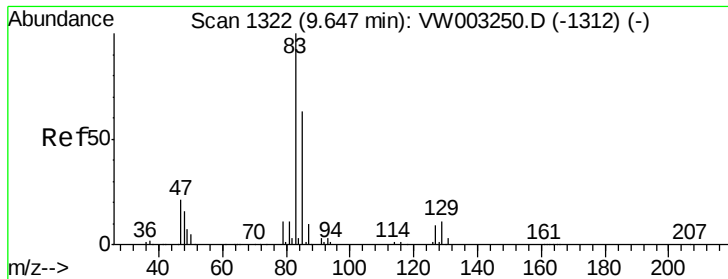
Tgt Ion: 63 Resp: 132082
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.1 37.7



#46
 Dibromomethane
 Concen: 50.907 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 93 Resp: 67701
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.8 98.8
 174 97.5 81.4 122.0

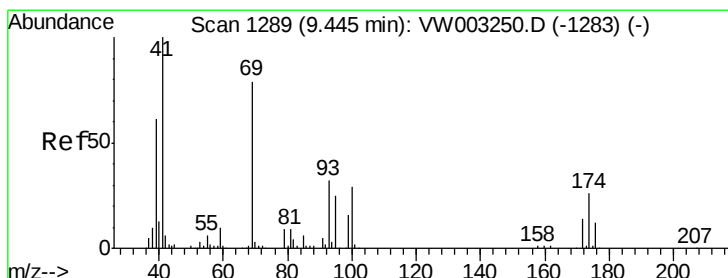
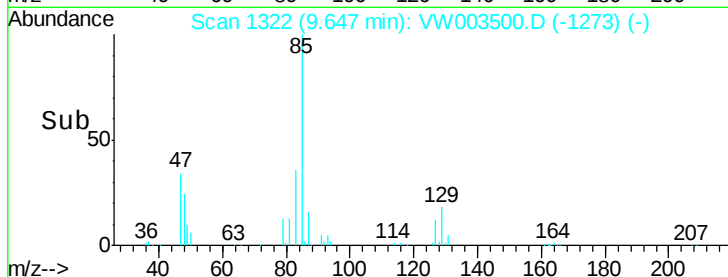
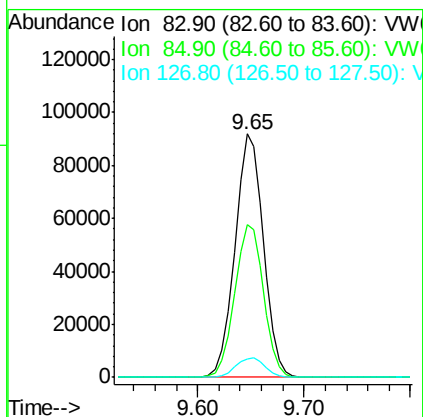
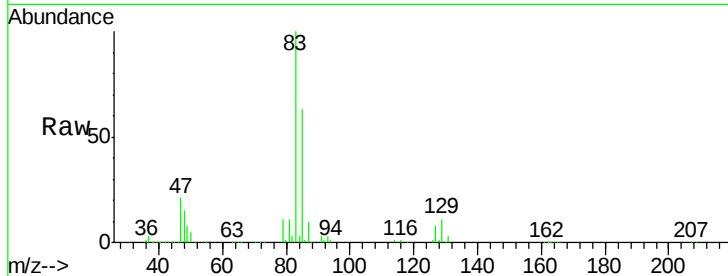




#47
Bromodichloromethane
Concen: 50.560 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

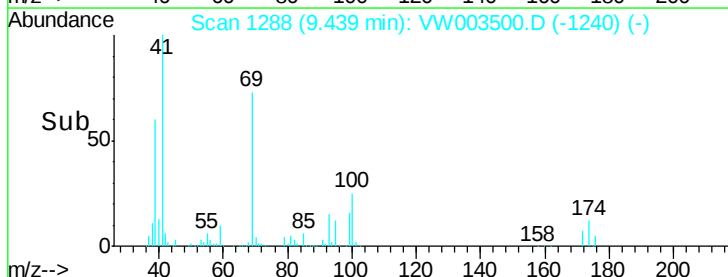
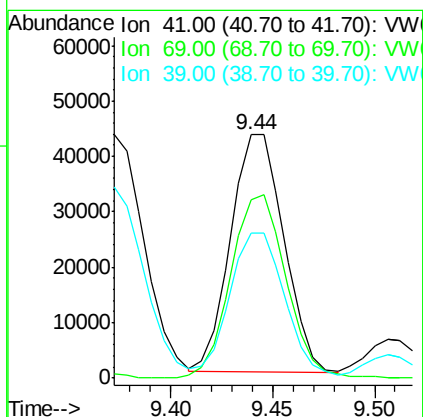
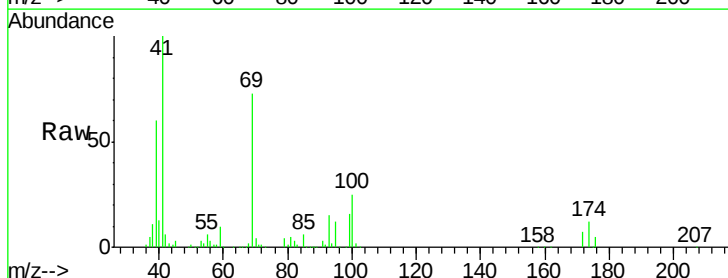
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

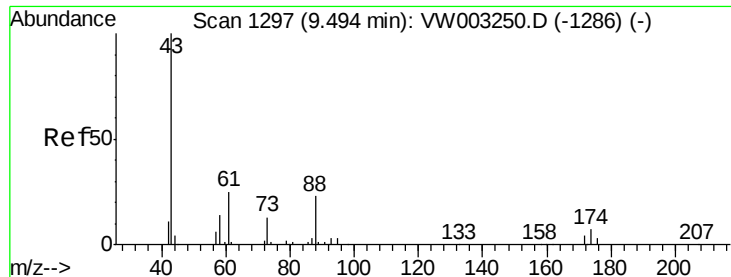
Tgt Ion: 83 Resp: 172354
Ion Ratio Lower Upper
83 100
85 62.7 50.6 75.8
127 7.7 6.8 10.2



#48
Methyl methacrylate
Concen: 54.244 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 41 Resp: 77611
Ion Ratio Lower Upper
41 100
69 80.2 65.4 98.2
39 63.8 54.2 81.2

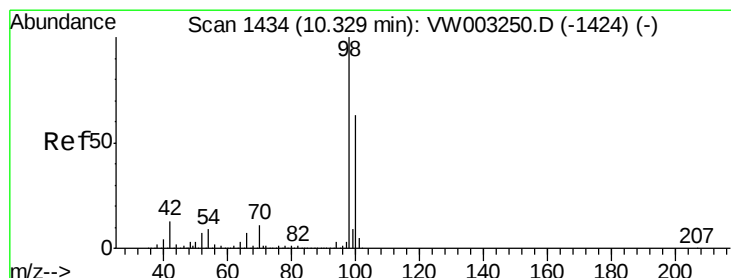
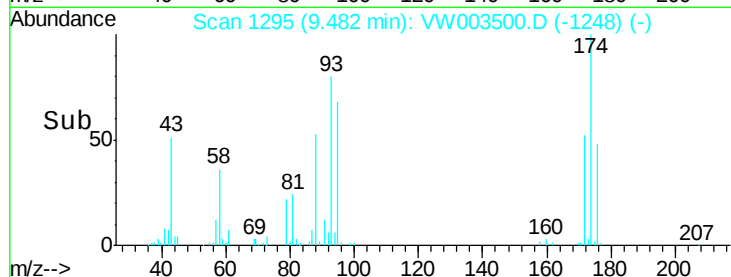
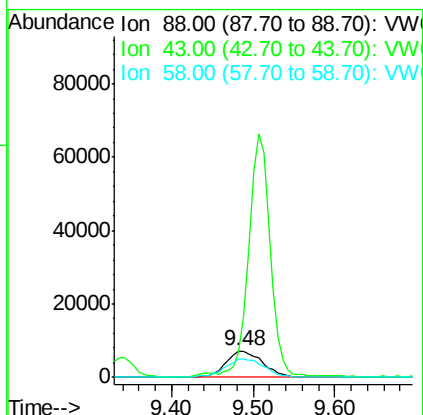
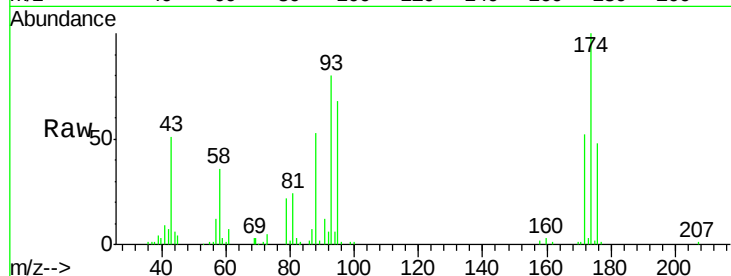




#49
 1,4-Dioxane
 Concen: 1115.847 ug/l
 RT: 9.48 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

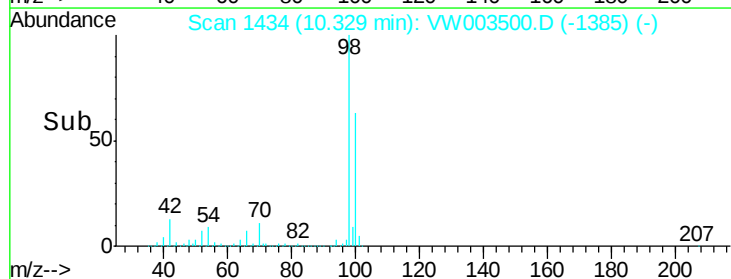
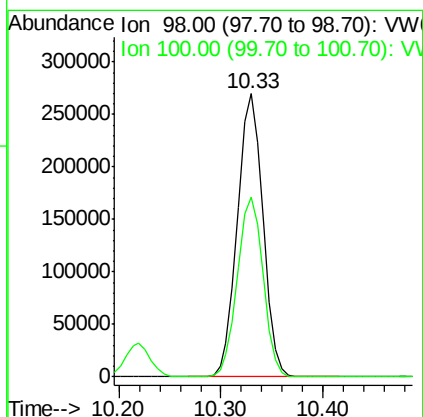
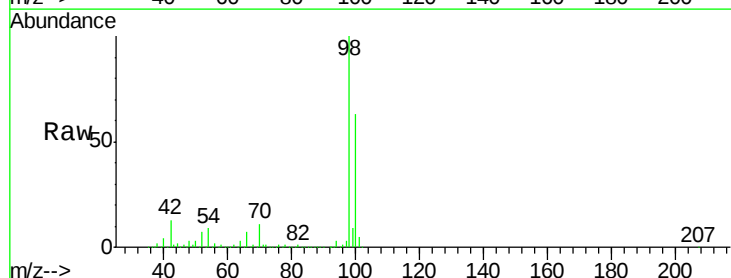
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

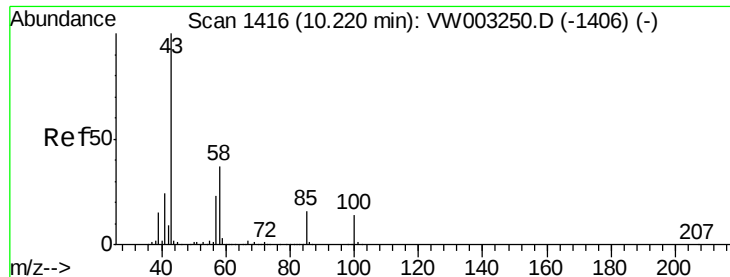
Tgt Ion: 88 Resp: 22406
 Ion Ratio Lower Upper
 88 100
 43 0.0 454.7 682.1#
 58 74.4 58.6 88.0



#50
 Toluene-d8
 Concen: 49.493 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 98 Resp: 467338
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.8 76.2

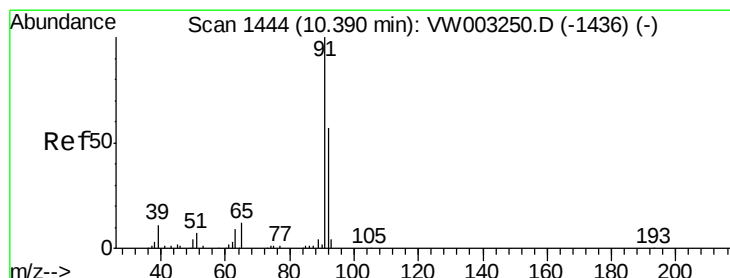
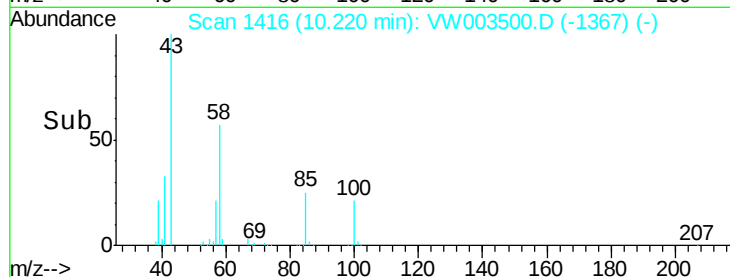
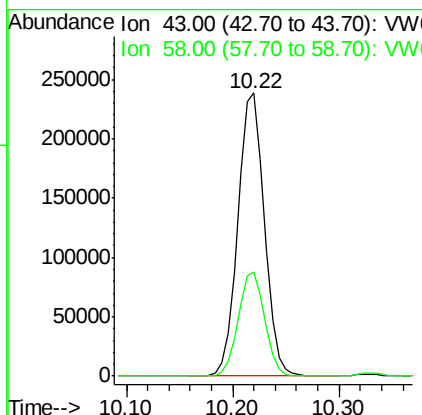
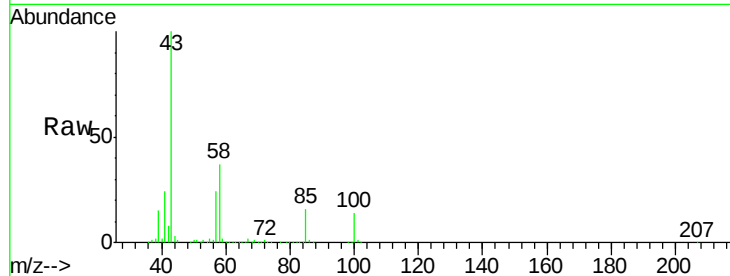




#51
 4-Methyl-2-Pentanone
 Concen: 268.920 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

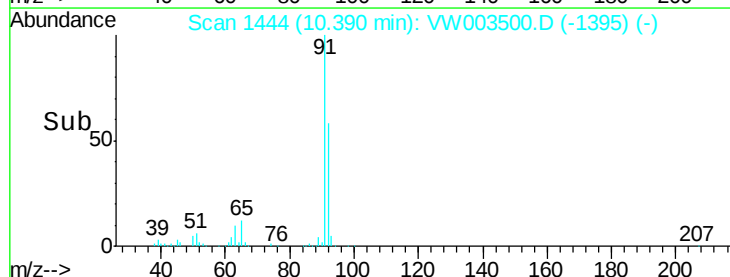
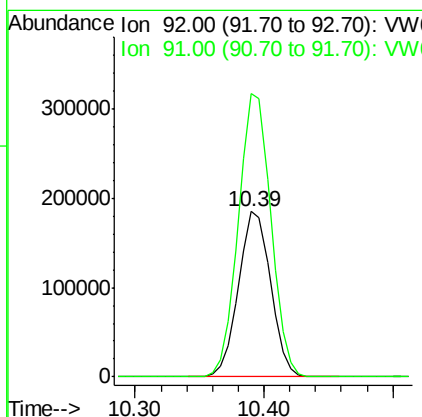
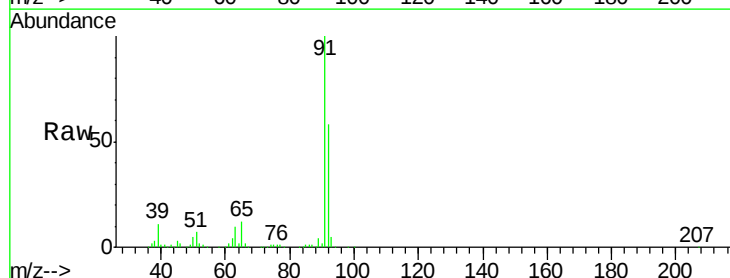
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

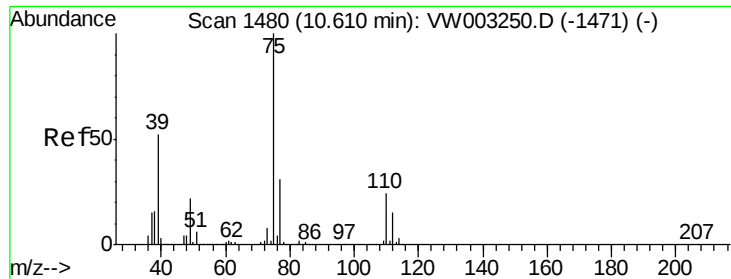
Tgt Ion: 43 Resp: 417190
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.0 43.4



#52
 Toluene
 Concen: 48.919 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 92 Resp: 320034
 Ion Ratio Lower Upper
 92 100
 91 173.0 141.1 211.7

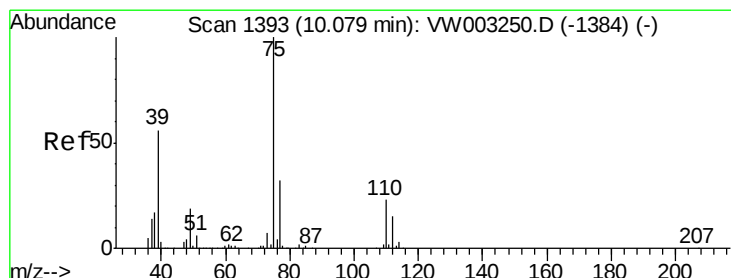
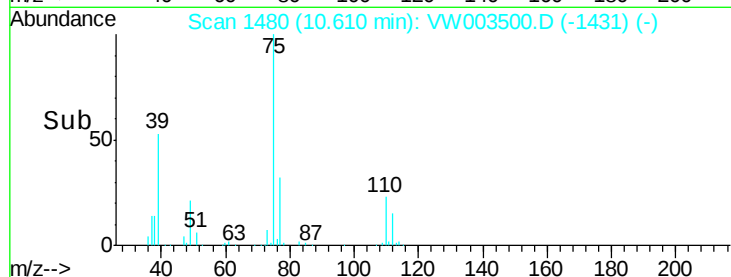
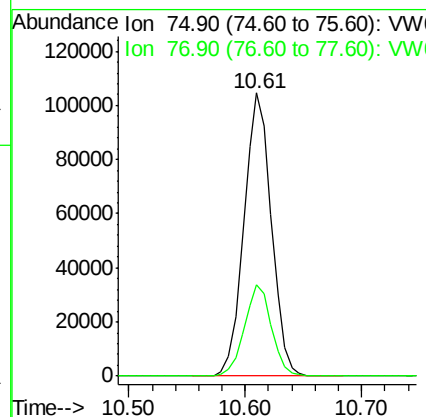
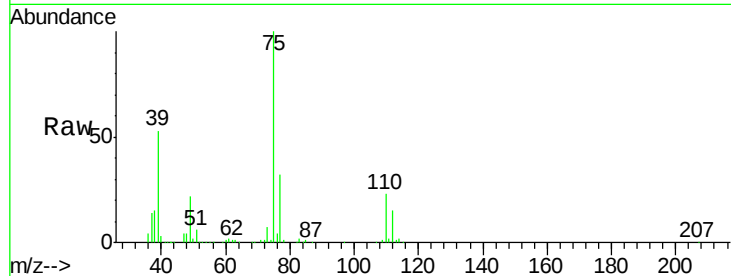




#53
 t-1,3-Dichloropropene
 Concen: 49.204 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

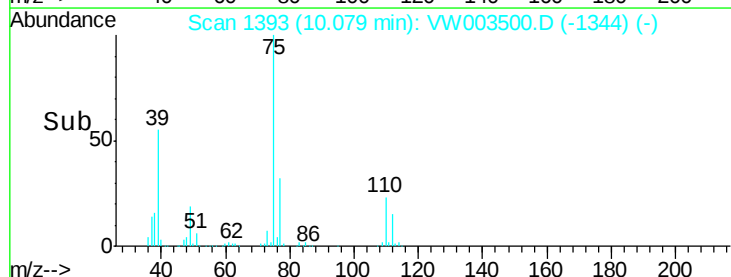
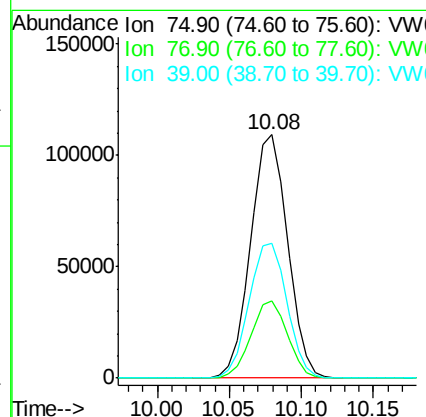
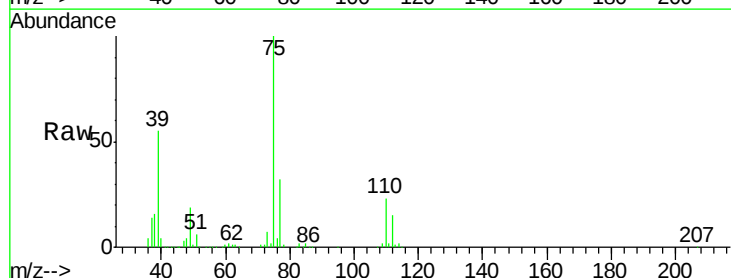
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

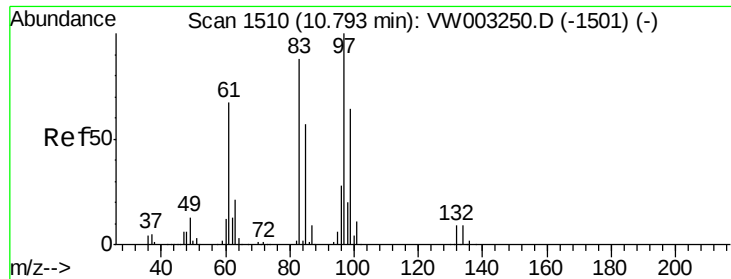
Tgt Ion: 75 Resp: 171338
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 48.932 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 75 Resp: 193934
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6
 39 55.4 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 51.129 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 95815

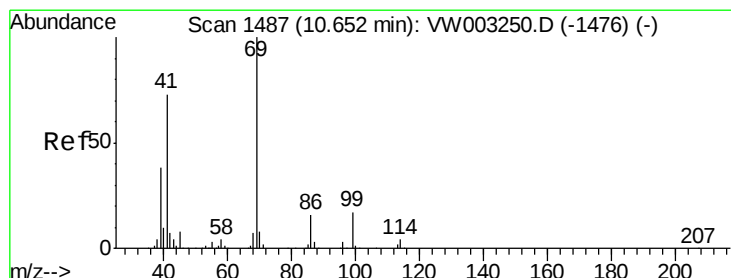
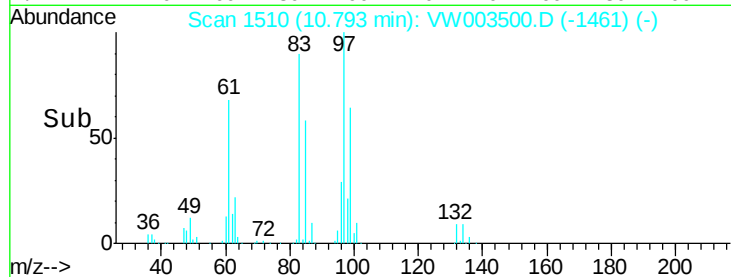
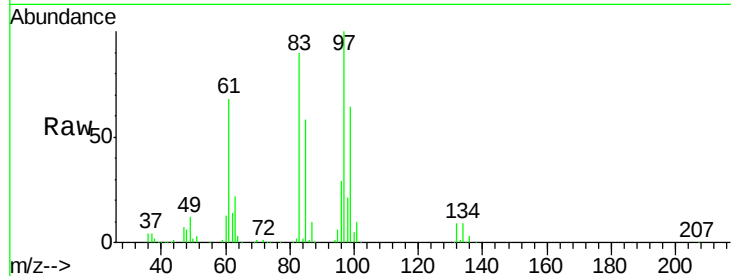
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.2	105.2
85	57.7	45.6	68.4
99	64.1	51.2	76.8

Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 54.208 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

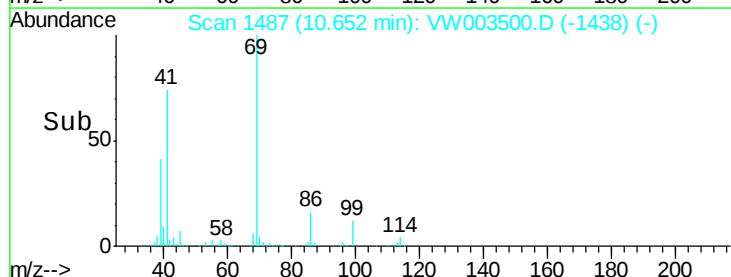
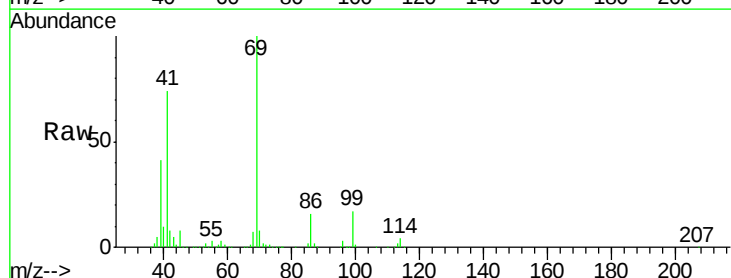
Tgt Ion: 69 Resp: 123357

Ion	Ratio	Lower	Upper
69	100		
41	75.1	57.8	86.6
39	39.4	32.7	49.1

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

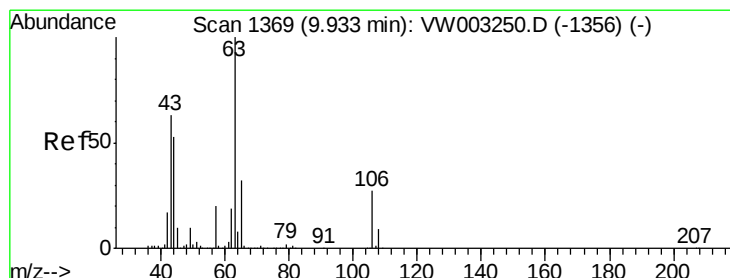
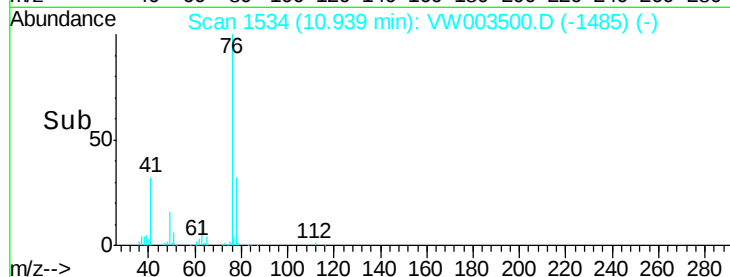
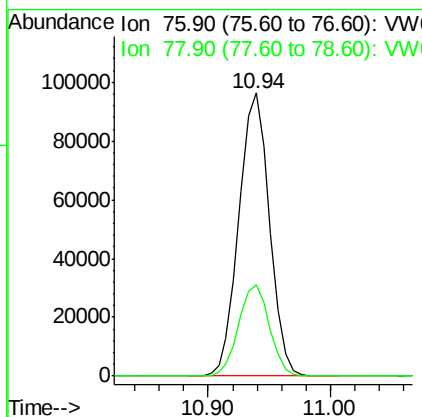
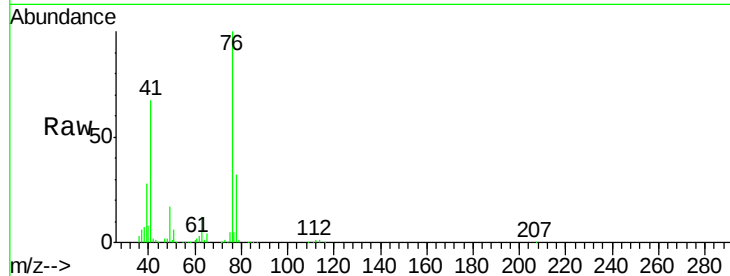




#57
 1,3-Dichloropropane
 Concen: 51.812 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

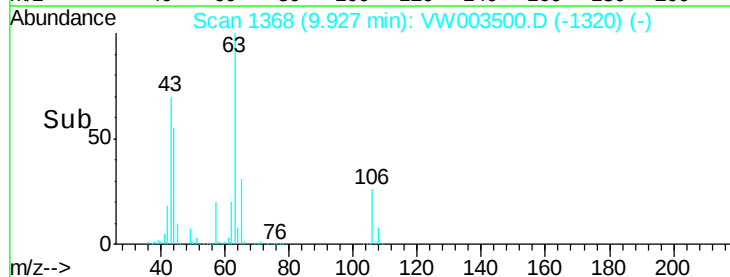
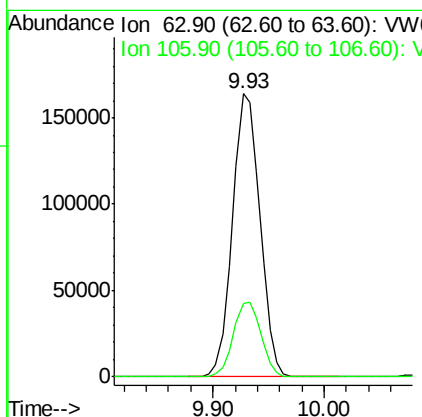
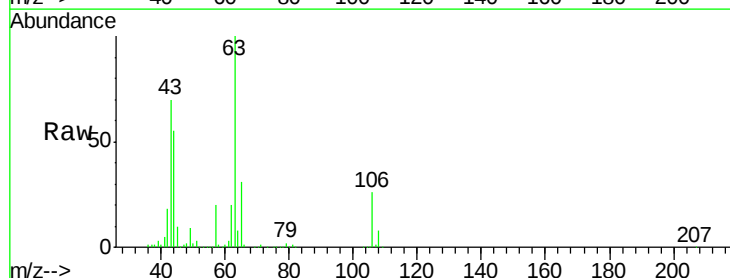
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

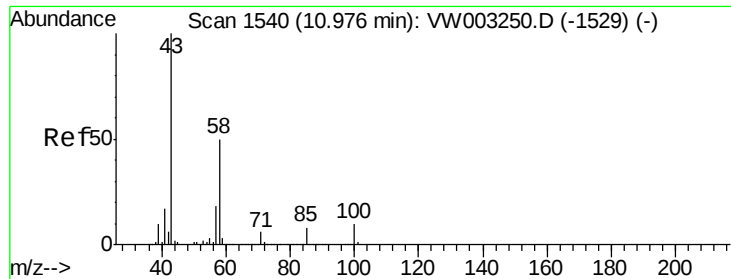
Tgt Ion: 76 Resp: 167461
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.616 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 63 Resp: 280144
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.8 32.8

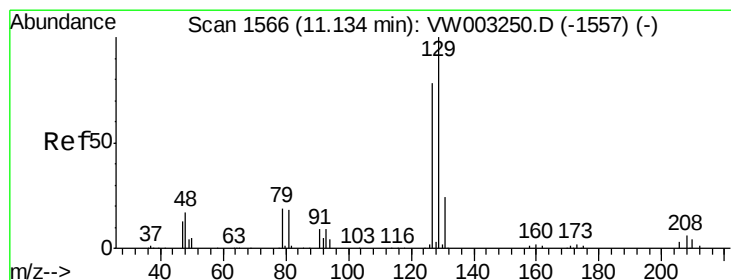
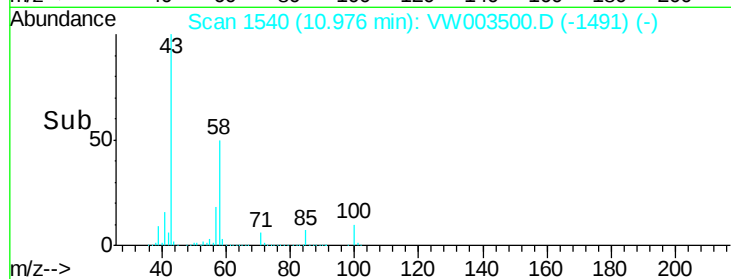
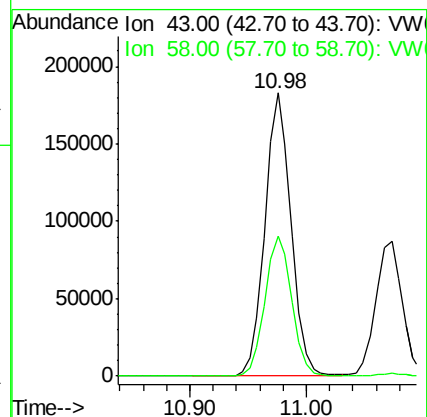
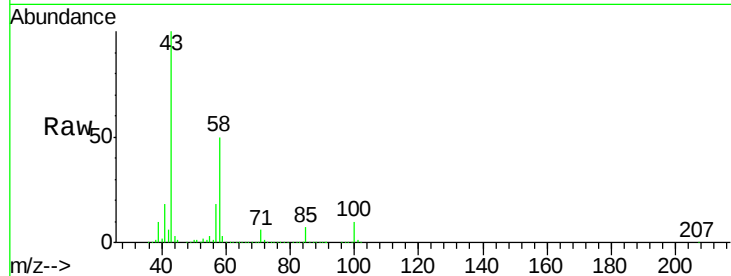




#59
2-Hexanone
Concen: 263.954 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

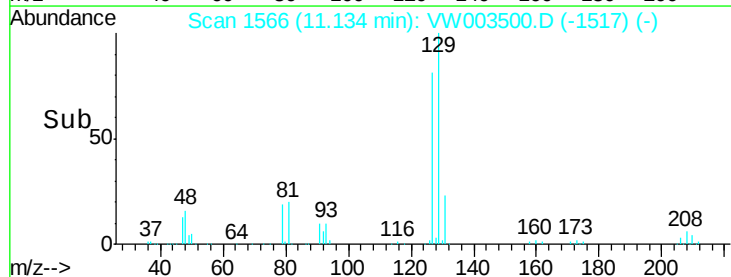
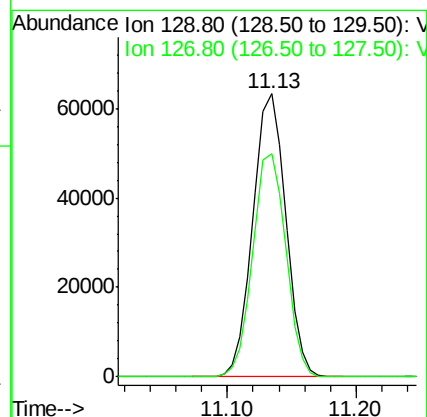
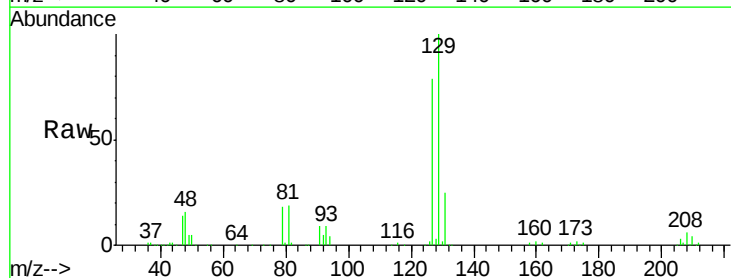
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

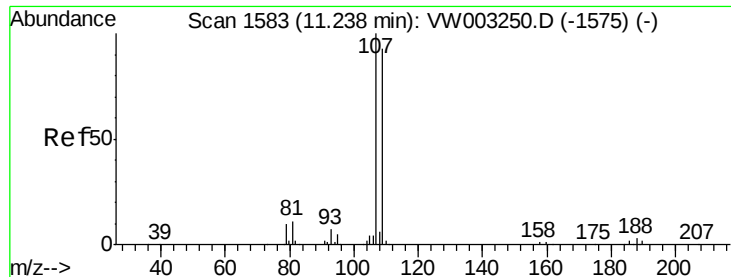
Tgt Ion: 43 Resp: 286062
Ion Ratio Lower Upper
43 100
58 50.6 25.0 75.0



#60
Dibromochloromethane
Concen: 50.143 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 129 Resp: 111748
Ion Ratio Lower Upper
129 100
127 79.3 39.1 117.5

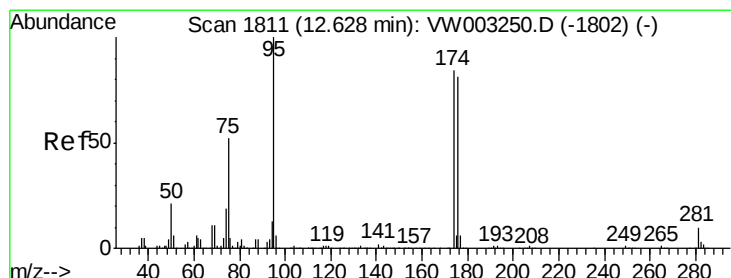
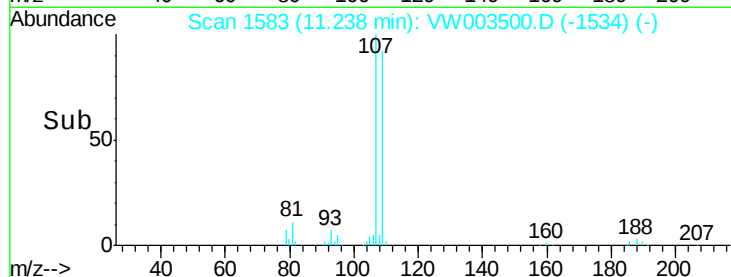
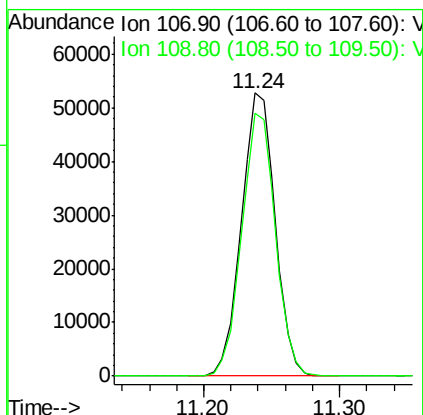
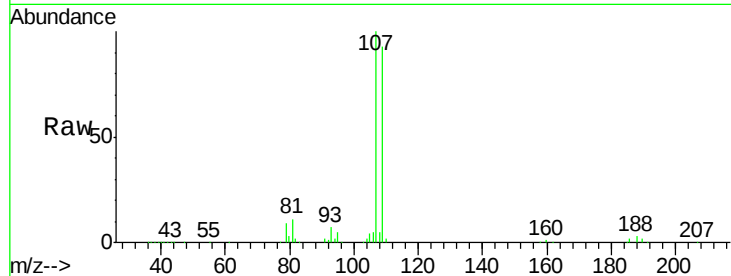




#61
 1,2-Dibromoethane
 Concen: 51.452 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

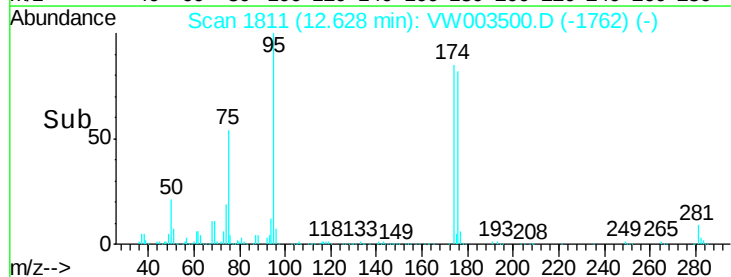
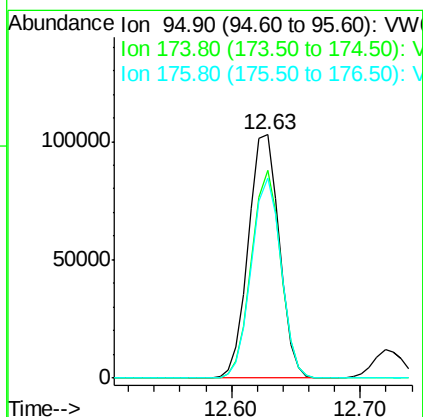
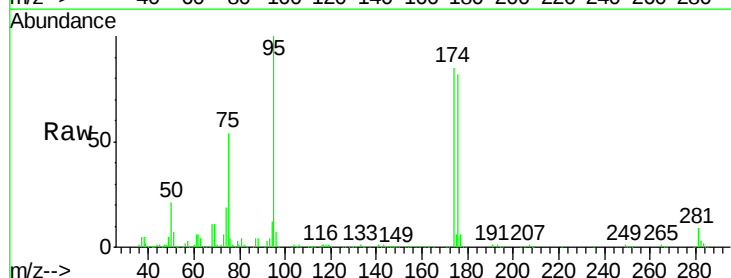
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

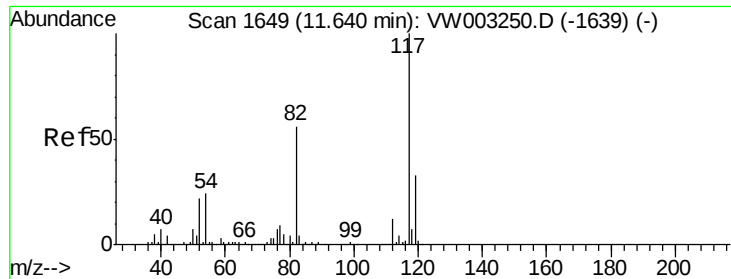
Tgt Ion: 107 Resp: 91206
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 50.925 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 95 Resp: 170174
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 166.4
 176 79.2 0.0 162.0

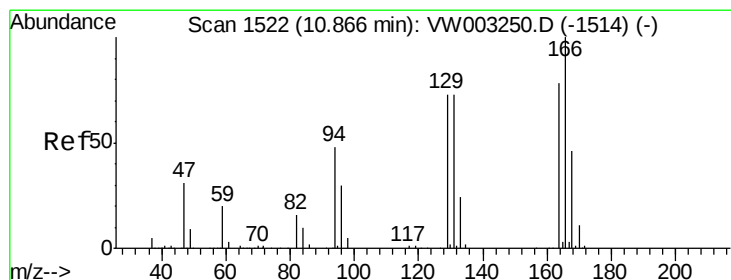
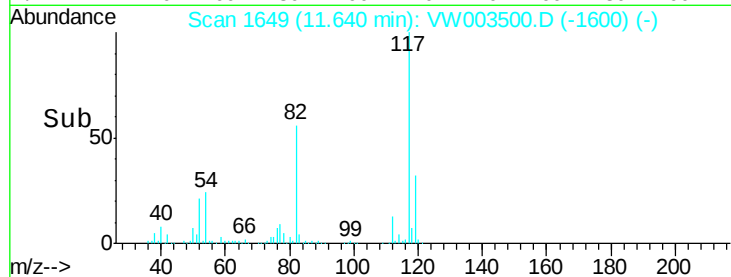
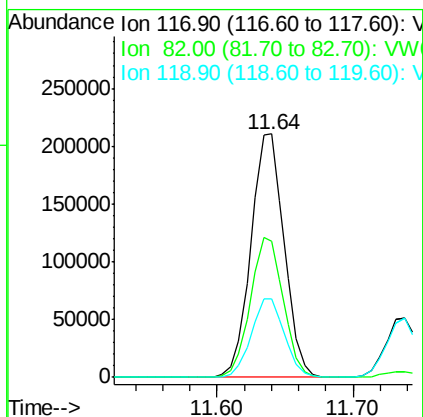
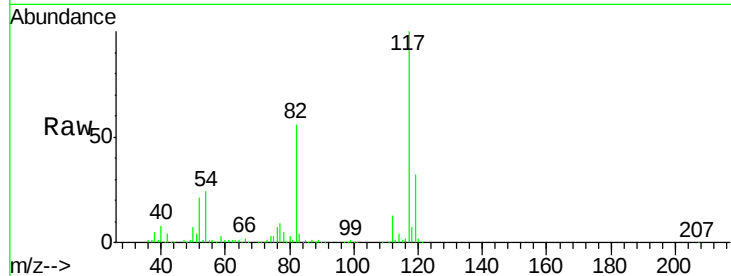




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

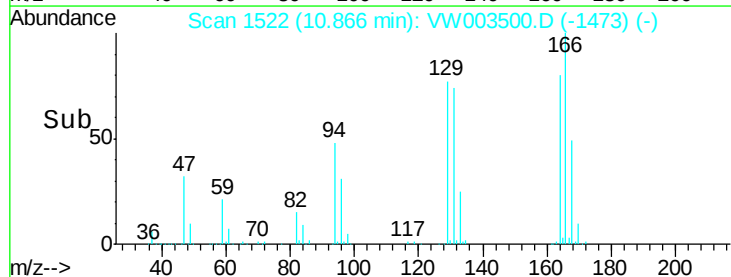
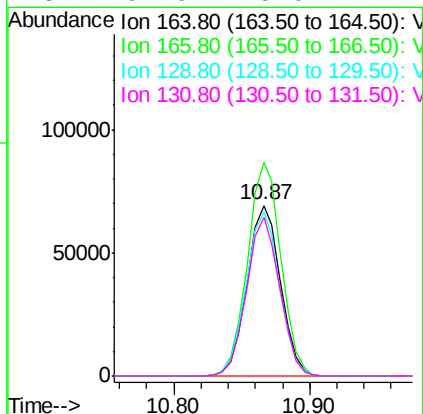
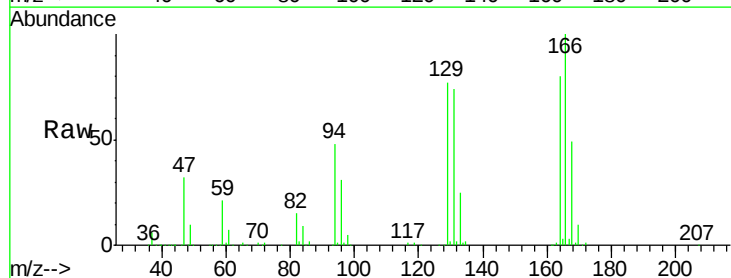
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

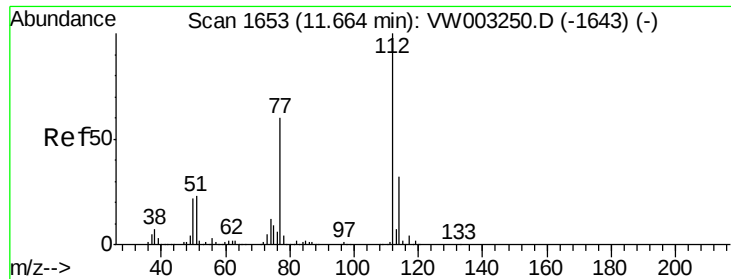
Tgt Ion:117 Resp: 360560
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.1 26.7 40.1



#64
Tetrachloroethene
Concen: 49.308 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion:164 Resp: 118912
Ion Ratio Lower Upper
164 100
166 125.1 102.6 154.0
129 96.0 75.2 112.8
131 92.9 75.0 112.4

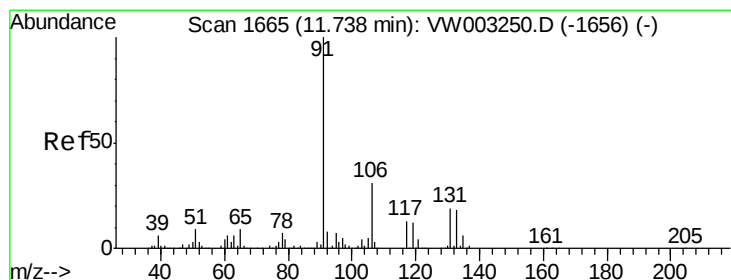
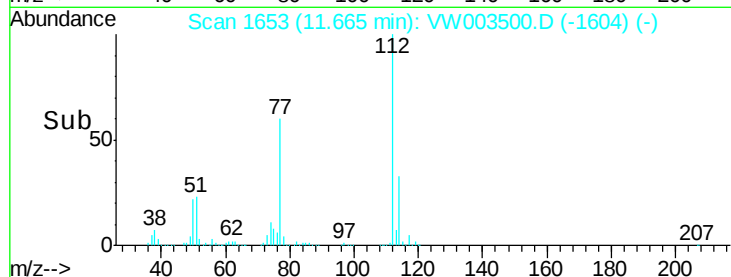
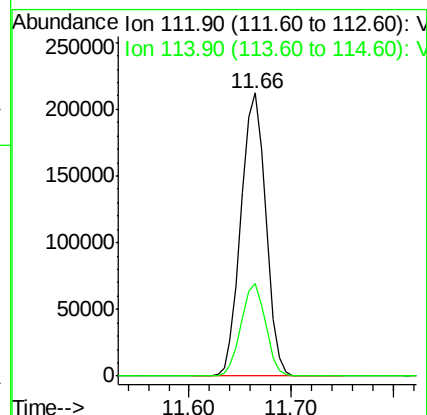
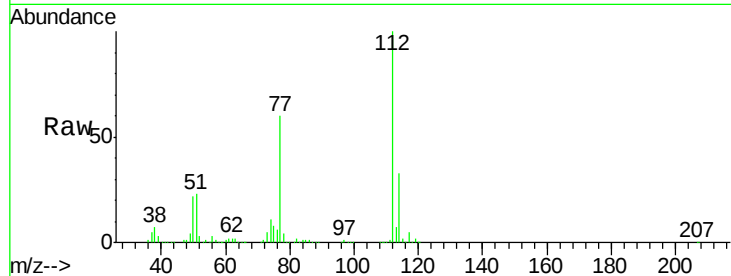




#65
Chlorobenzene
Concen: 47.510 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

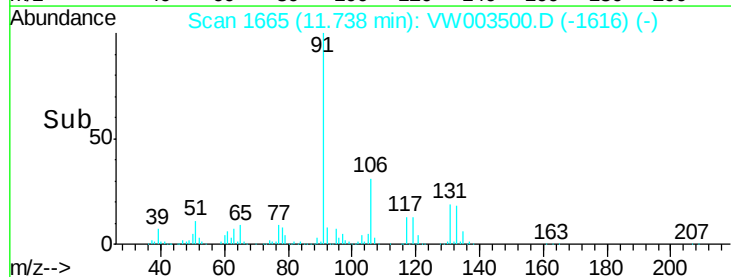
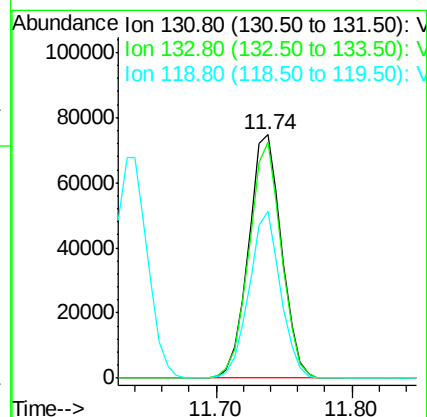
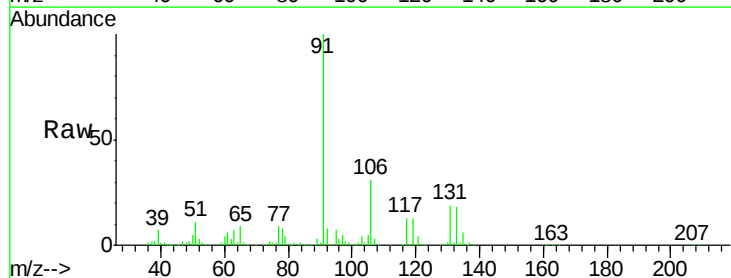
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

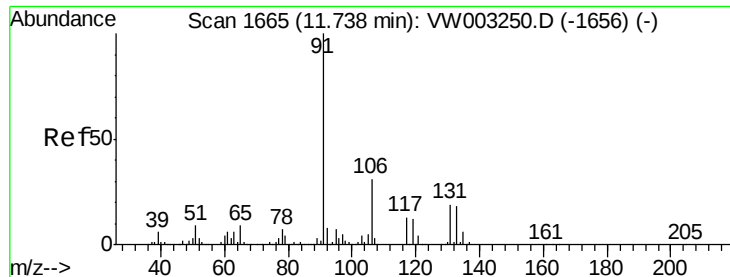
Tgt Ion:112 Resp: 356722
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.034 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion:131 Resp: 126742
Ion Ratio Lower Upper
131 100
133 95.3 47.3 142.0
119 65.3 32.5 97.4

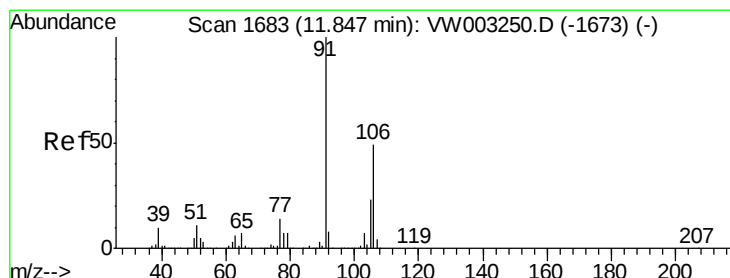
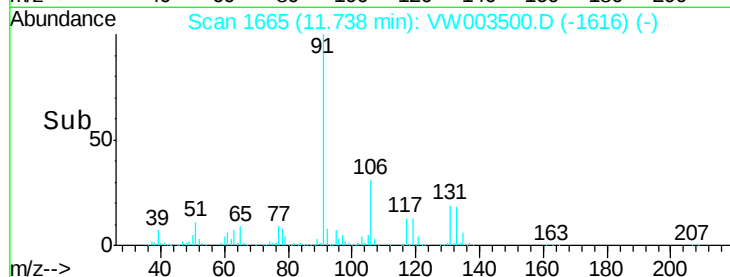
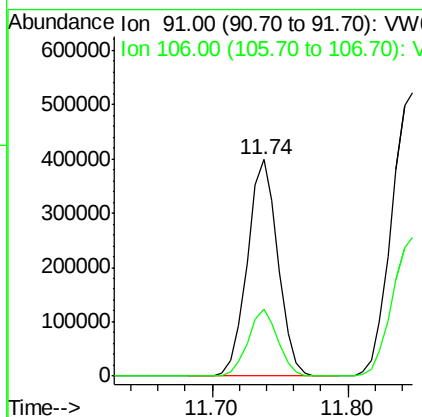
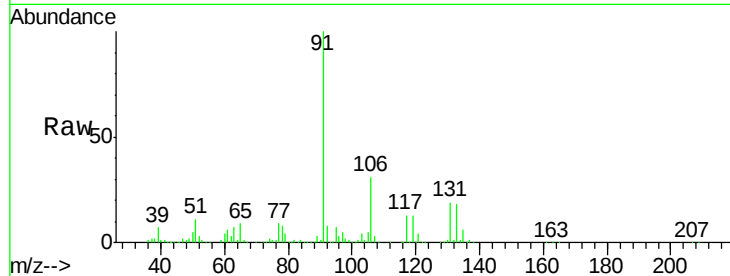




#67
Ethyl Benzene
Concen: 47.070 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

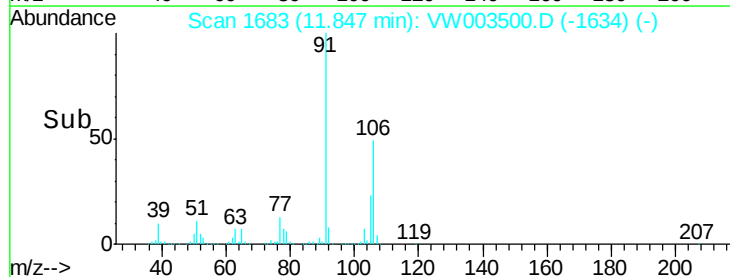
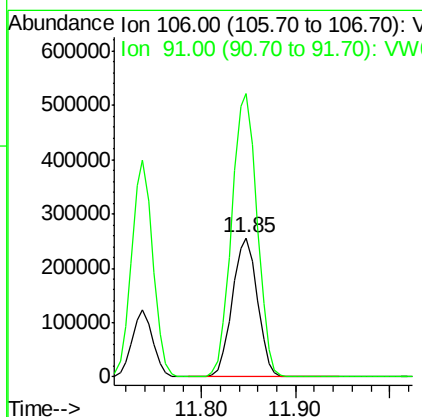
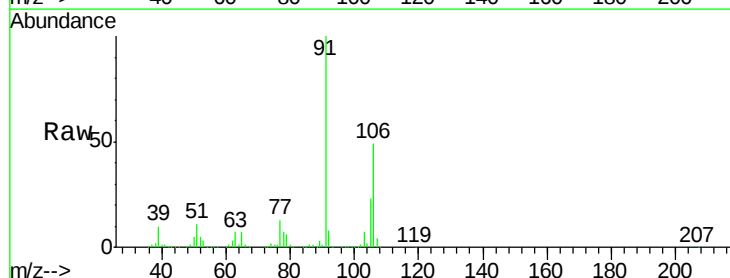
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

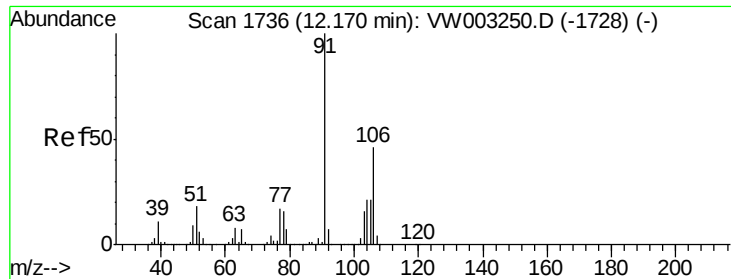
Tgt Ion: 91 Resp: 626480
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 93.674 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion: 106 Resp: 473935
Ion Ratio Lower Upper
106 100
91 205.7 165.4 248.0

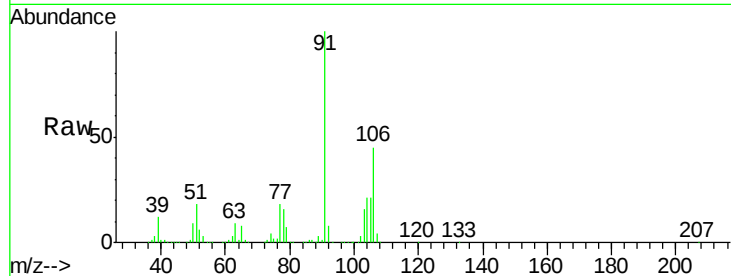




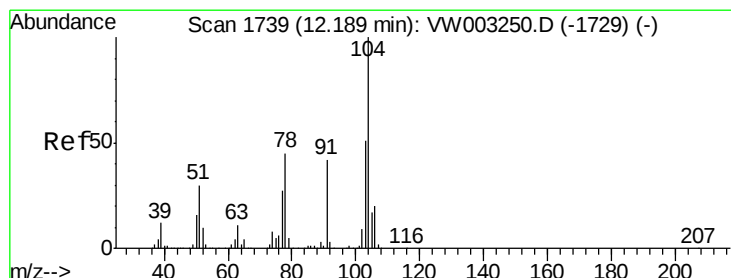
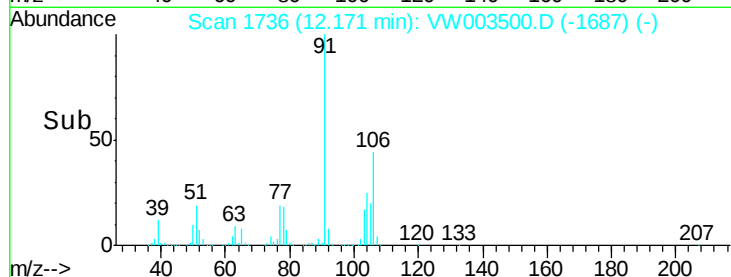
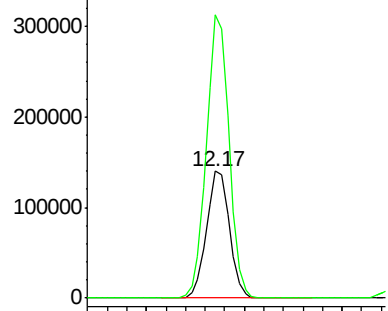
#69
o-Xylene
Concen: 48.515 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 227484
Ion Ratio Lower Upper
106 100
91 219.6 108.6 325.6

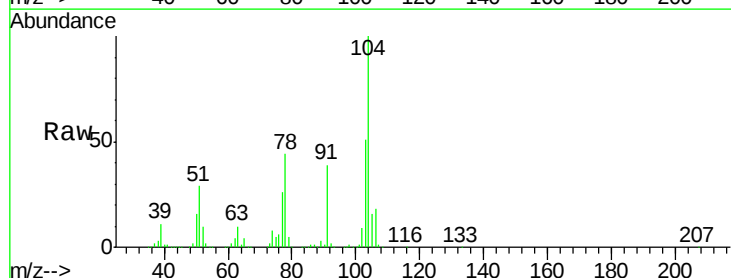


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

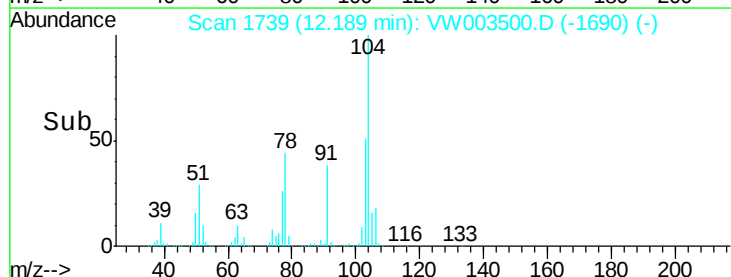
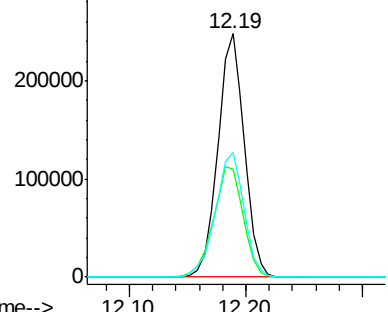


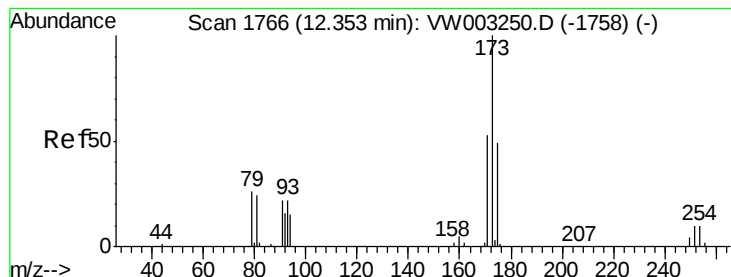
#70
Styrene
Concen: 50.109 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003500.D
Acq: 24 Jun 2018 10:05

Tgt Ion:104 Resp: 391090
Ion Ratio Lower Upper
104 100
78 51.2 41.3 61.9
103 55.5 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.258 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

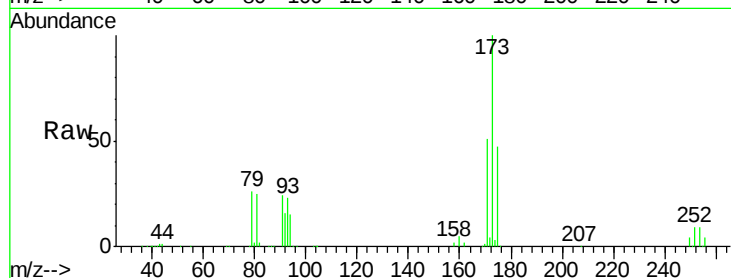
Tgt Ion:173 Resp: 67360

Ion Ratio Lower Upper

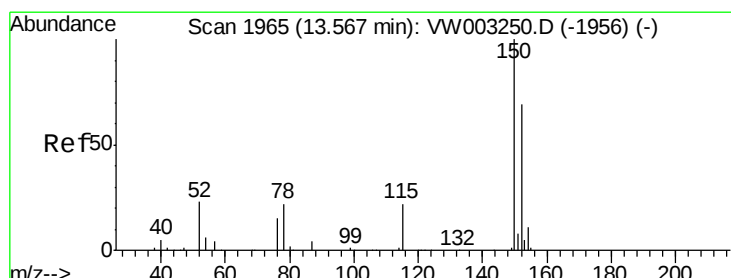
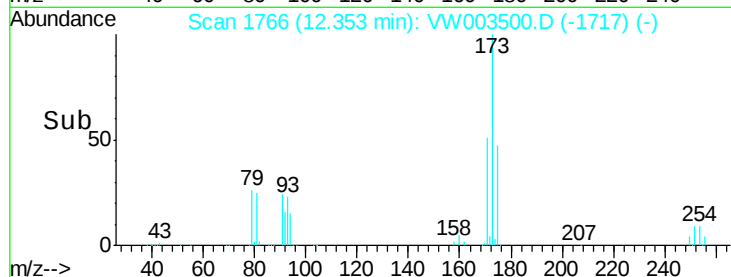
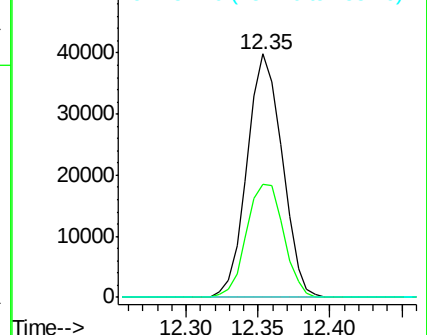
173 100

175 49.0 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

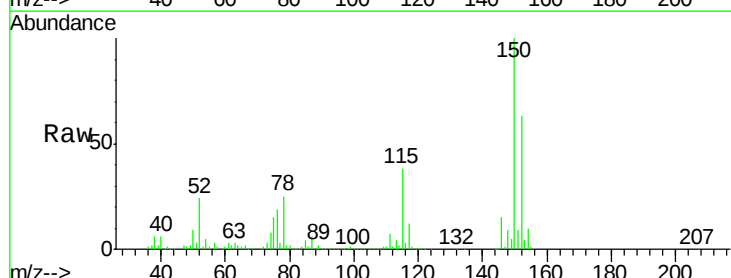
Tgt Ion:152 Resp: 190539

Ion Ratio Lower Upper

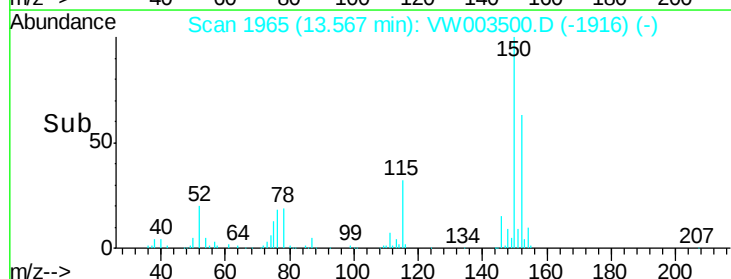
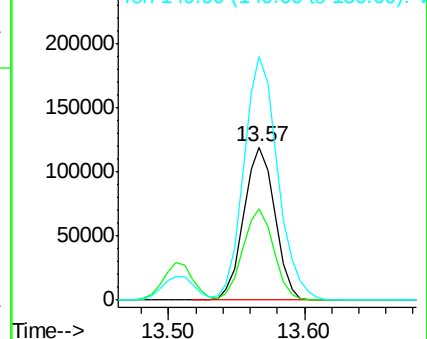
152 100

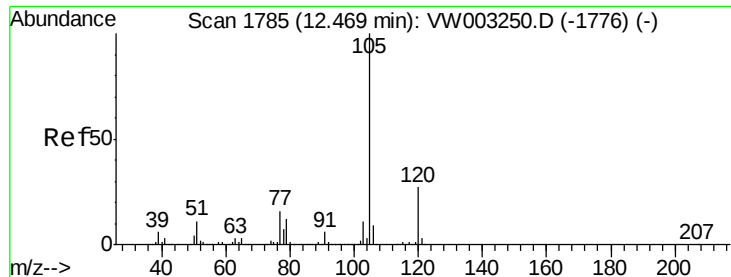
115 58.9 29.3 88.0

150 173.5 0.0 349.6



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: 46.716 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

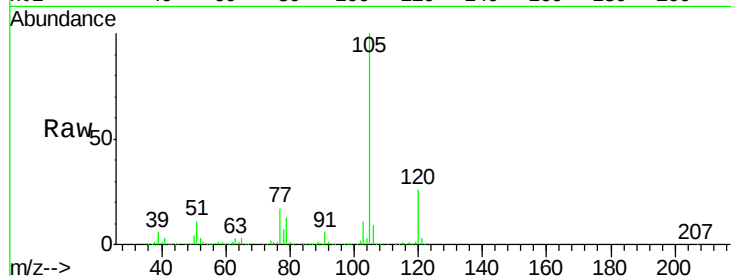
VSTDCCC050EC

Tgt Ion:105 Resp: 619114

Ion Ratio Lower Upper

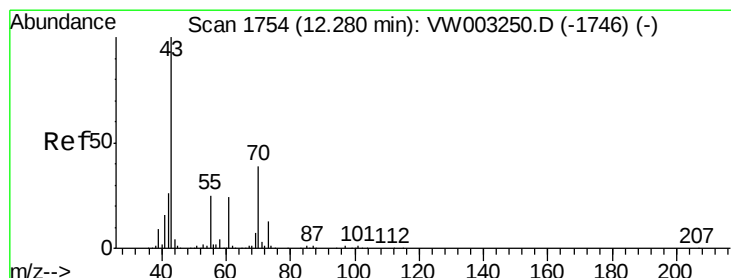
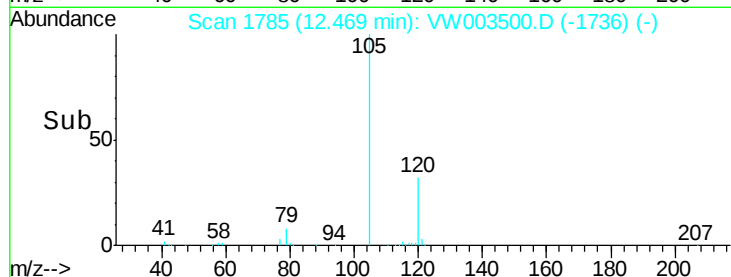
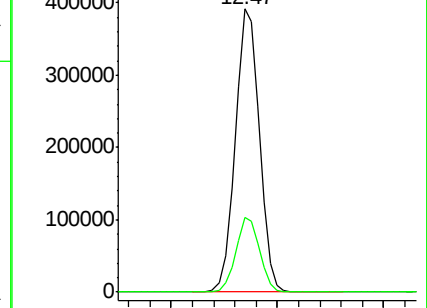
105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.935 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Tgt Ion: 43 Resp: 159679

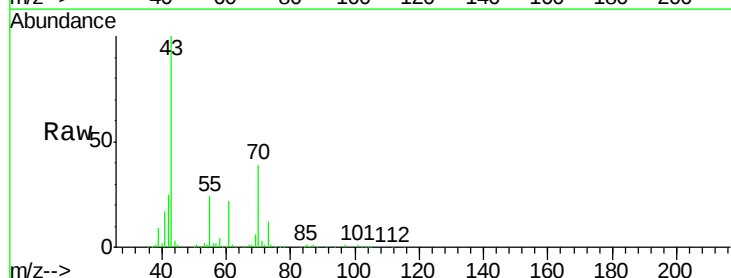
Ion Ratio Lower Upper

43 100

70 38.0 31.0 46.6

55 23.9 19.7 29.5

61 22.1 18.1 27.1

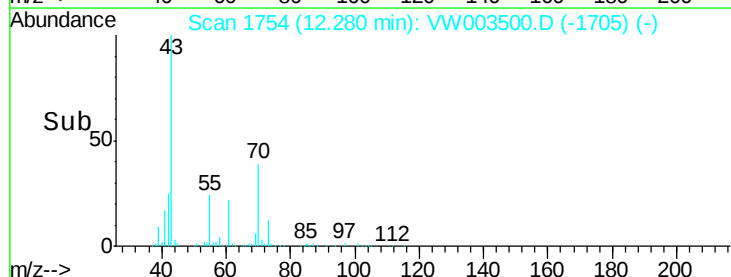
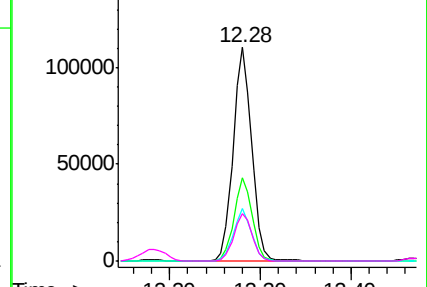


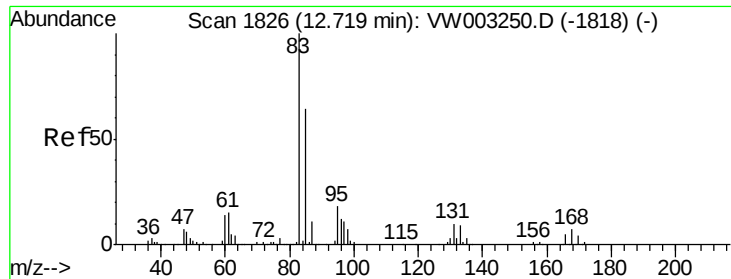
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.786 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

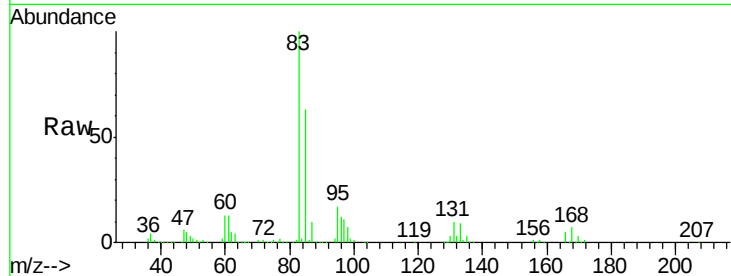
Tgt Ion: 83 Resp: 113867

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

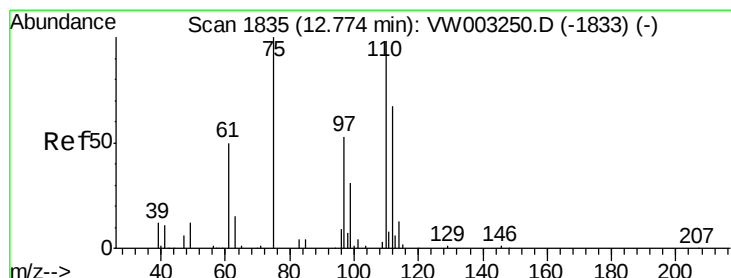
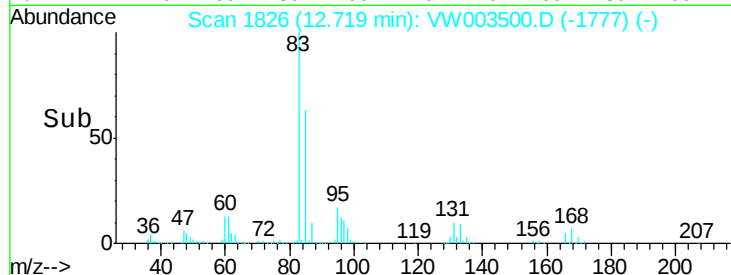
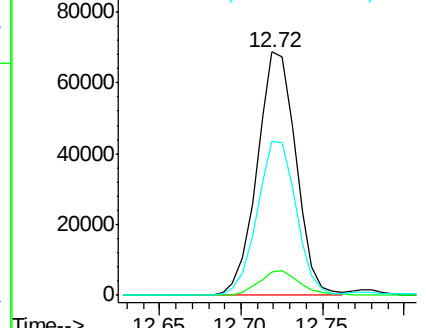
85 63.8 31.9 95.7



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: 92.518 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003500.D

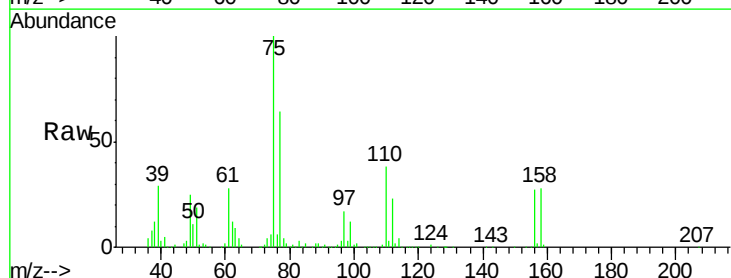
Acq: 24 Jun 2018 10:05

Tgt Ion: 75 Resp: 150702

Ion Ratio Lower Upper

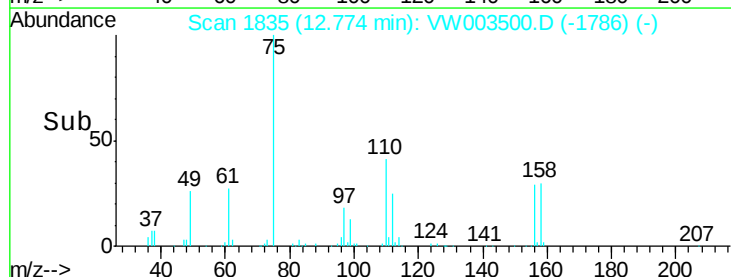
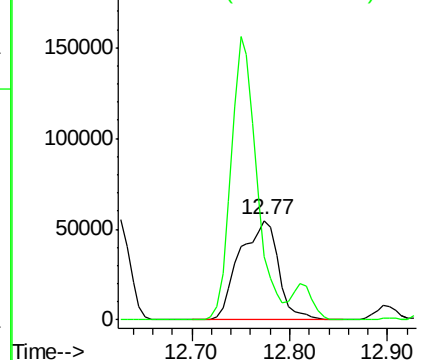
75 100

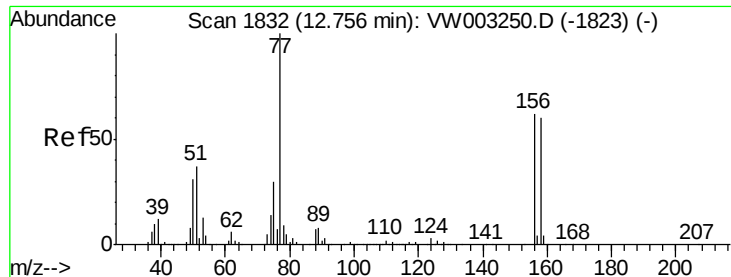
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.872 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

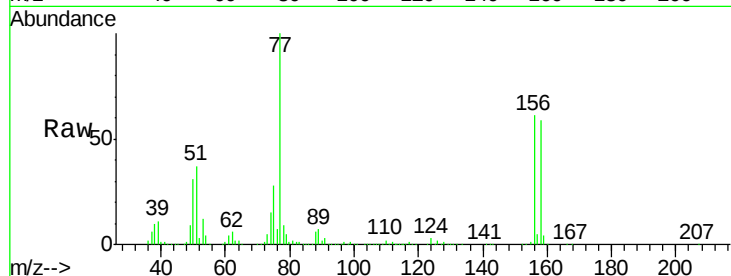
Tgt Ion:156 Resp: 147754

Ion Ratio Lower Upper

156 100

77 191.5 92.3 276.9

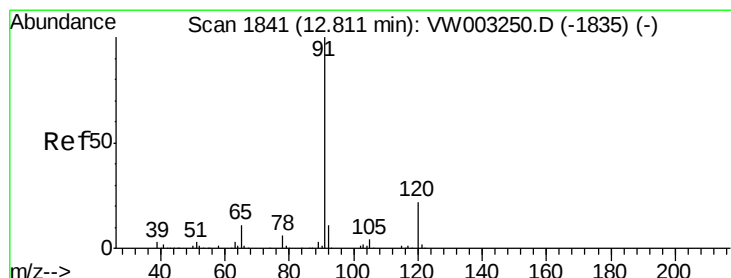
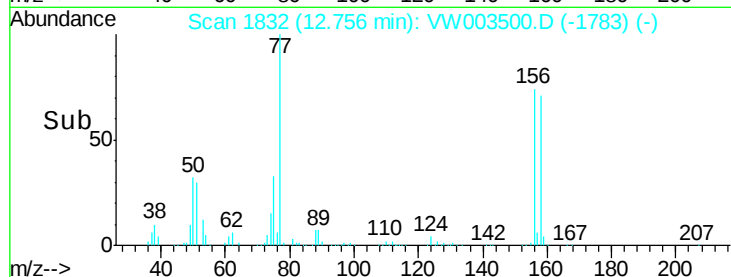
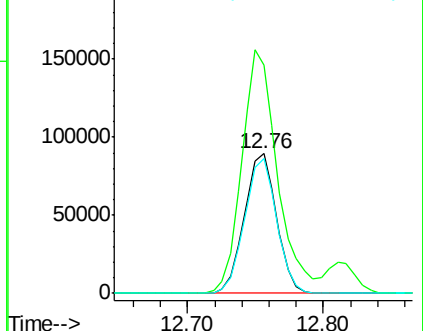
158 96.2 47.5 142.6



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: 46.290 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003500.D

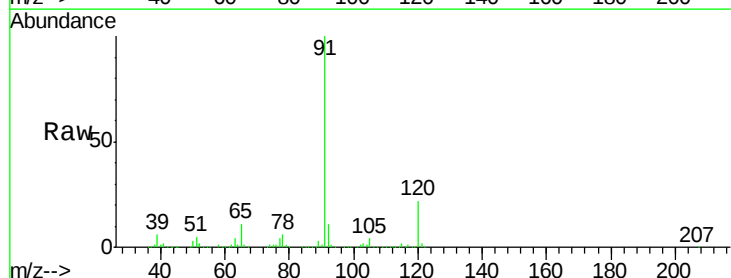
Acq: 24 Jun 2018 10:05

Tgt Ion: 91 Resp: 751178

Ion Ratio Lower Upper

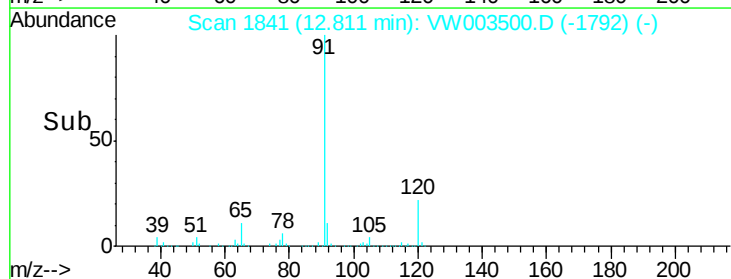
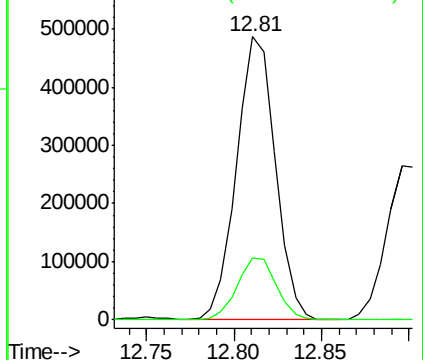
91 100

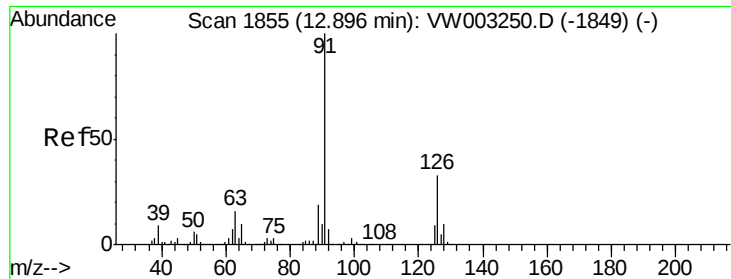
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

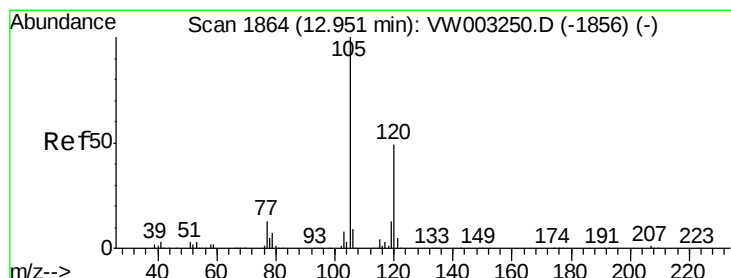
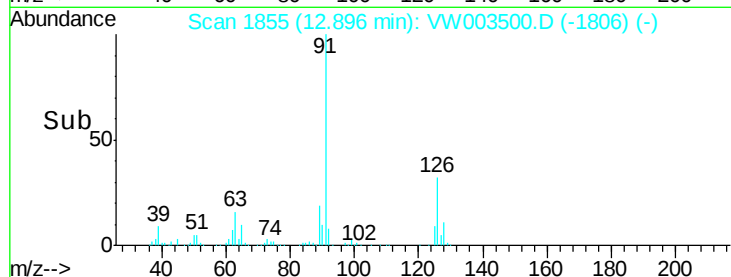
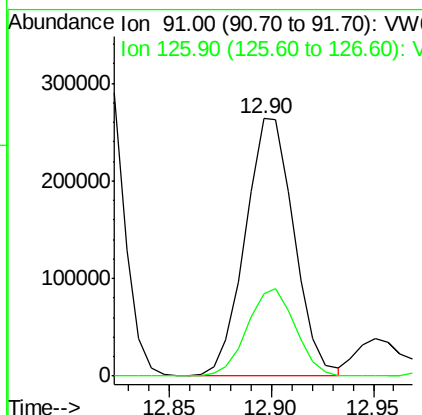
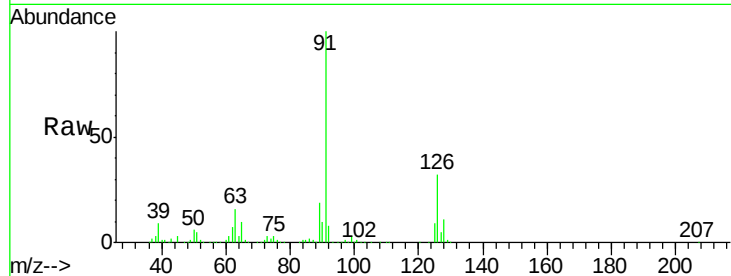




#79
 2-Chlorotoluene
 Concen: 48.007 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

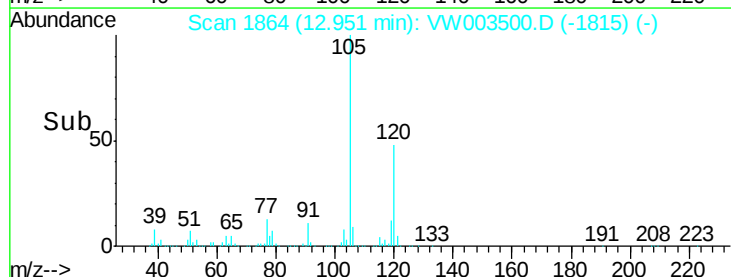
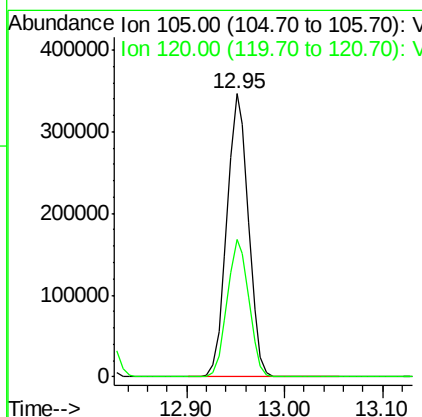
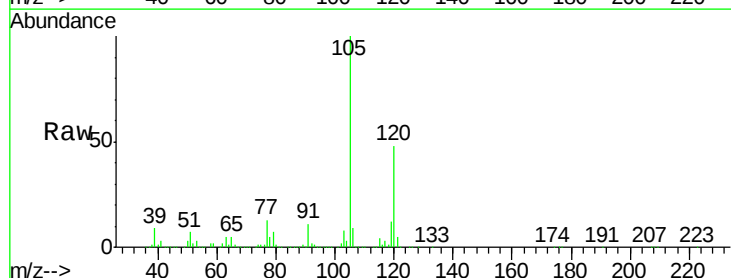
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

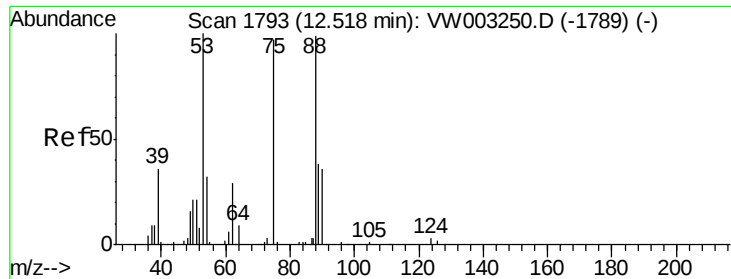
Tgt Ion: 91 Resp: 440252
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 47.630 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion: 105 Resp: 529835
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 44.600 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

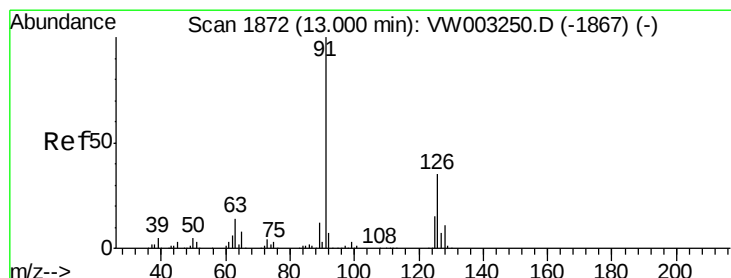
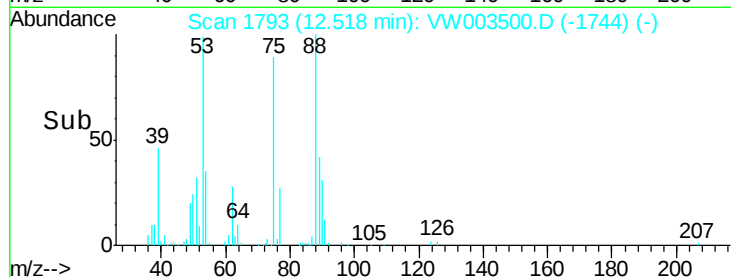
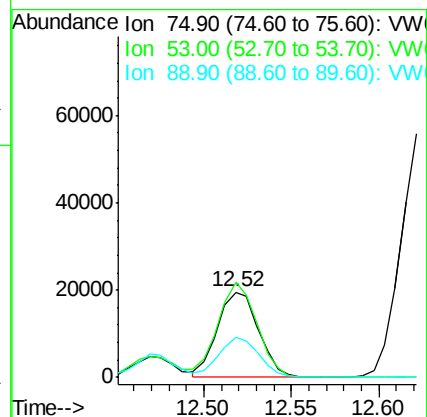
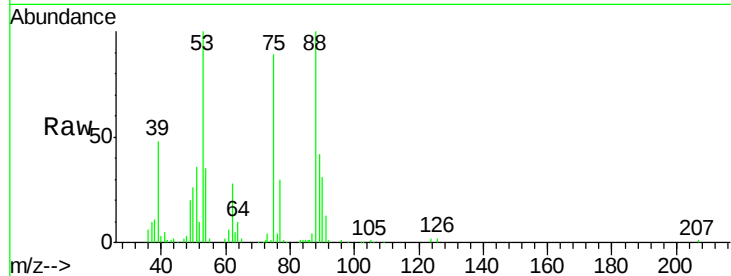
Tgt Ion: 75 Resp: 31572

Ion Ratio Lower Upper

75 100

53 110.3 82.9 124.3

89 46.1 36.7 55.1



#82

4-Chlorotoluene

Concen: 47.579 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW003500.D

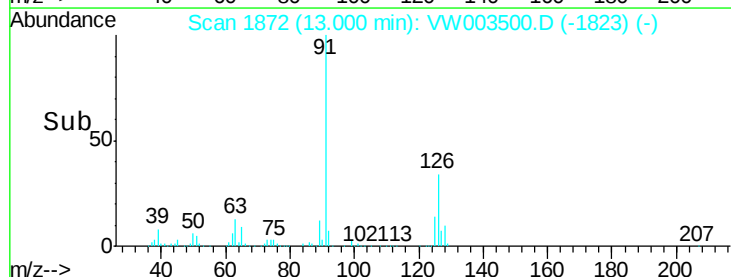
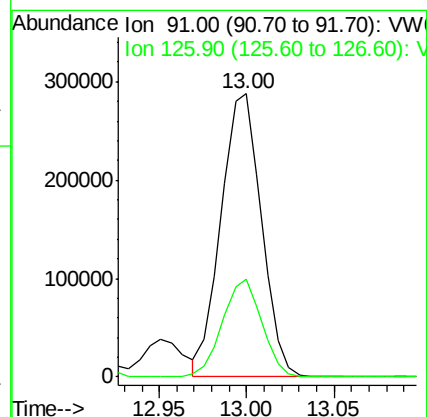
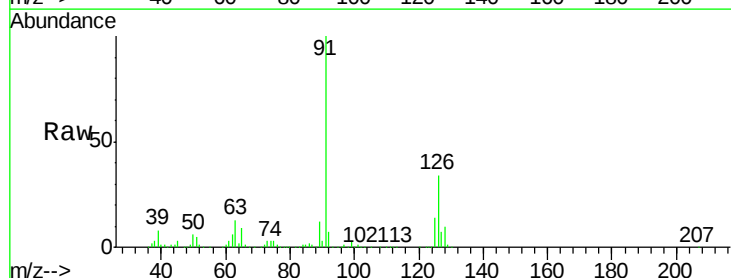
Acq: 24 Jun 2018 10:05

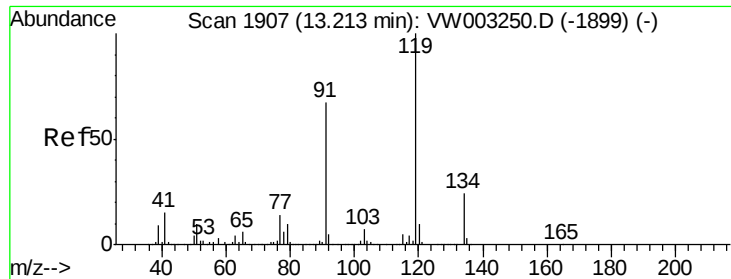
Tgt Ion: 91 Resp: 462873

Ion Ratio Lower Upper

91 100

126 33.9 16.8 50.3

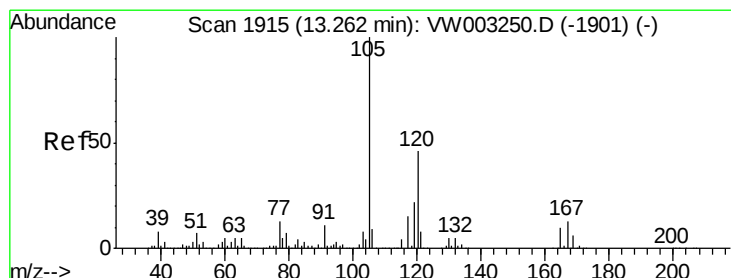
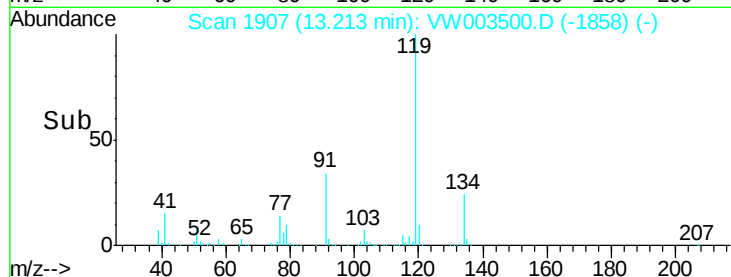
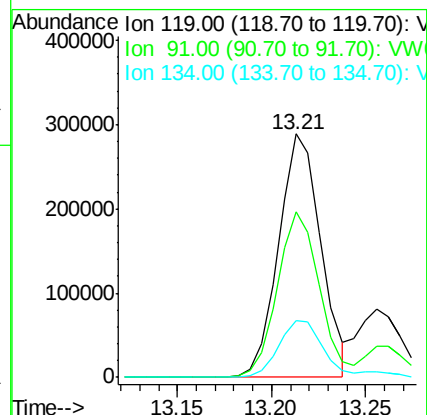
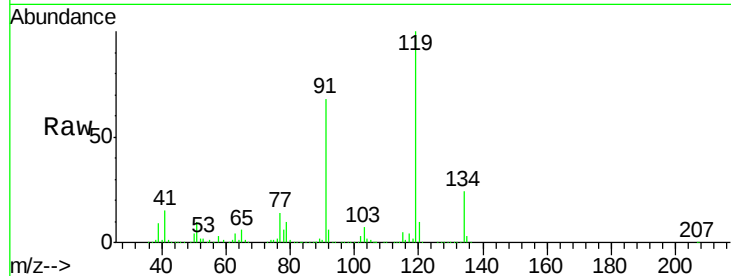




#83
 tert-Butylbenzene
 Concen: 47.314 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

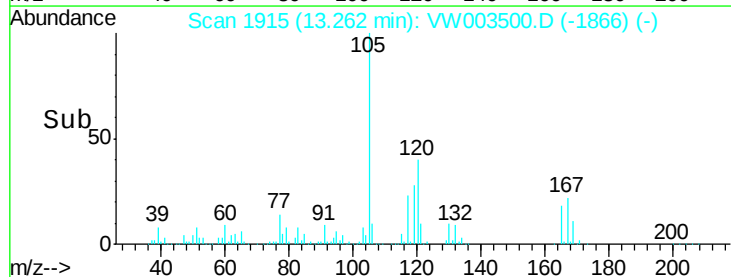
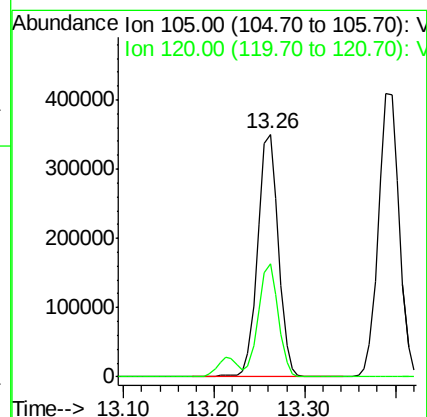
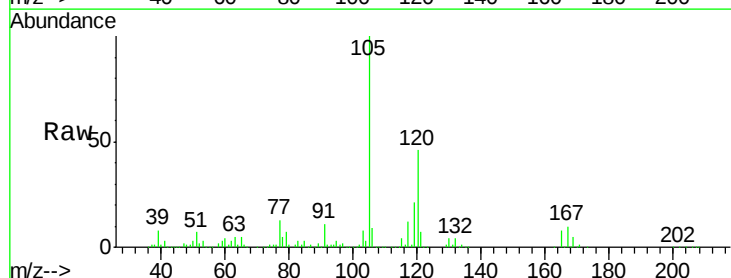
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

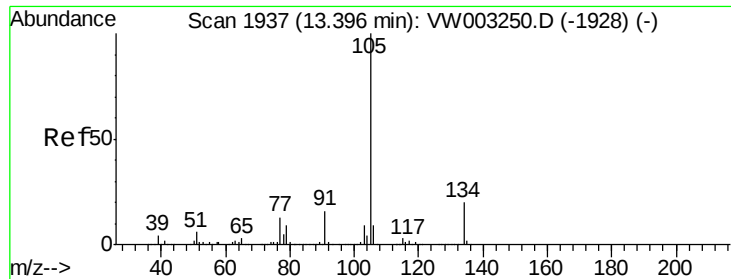
Tgt Ion:119 Resp: 448545
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.9 101.7
 134 26.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.445 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion:105 Resp: 554355
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5

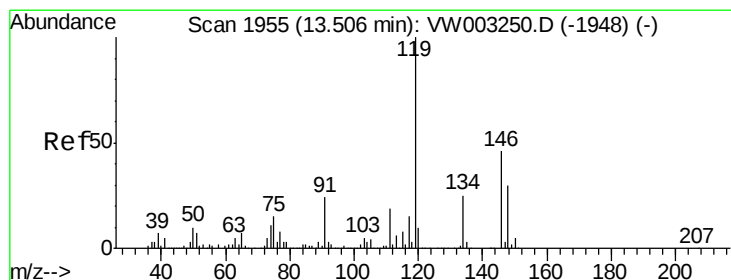
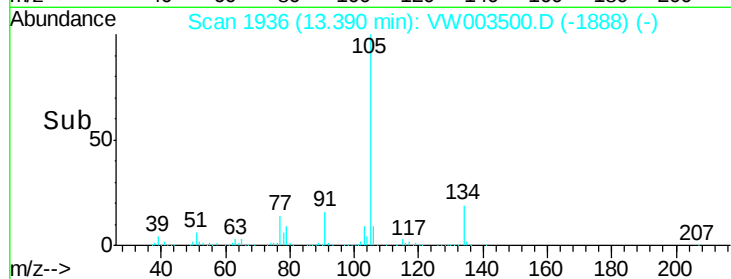
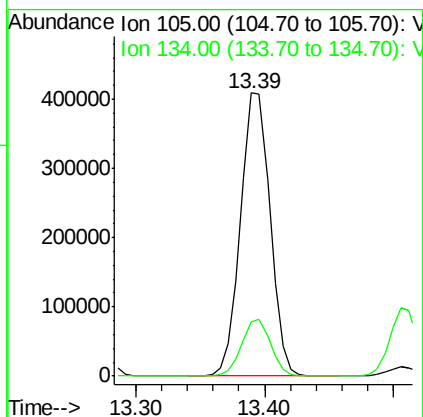
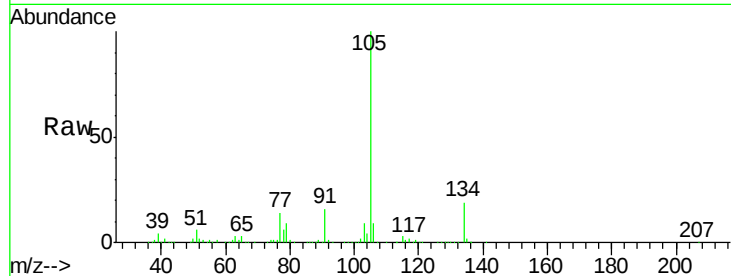




#85
 sec-Butylbenzene
 Concen: 46.015 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

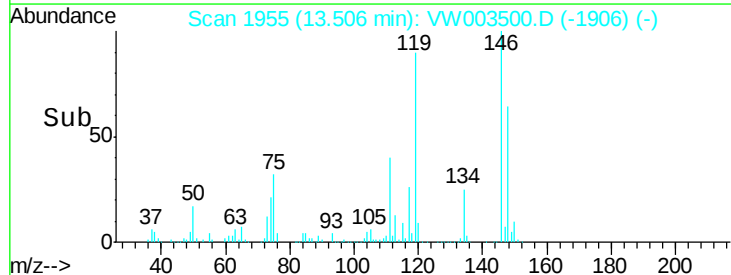
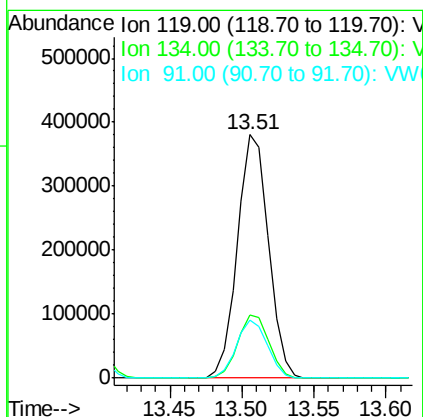
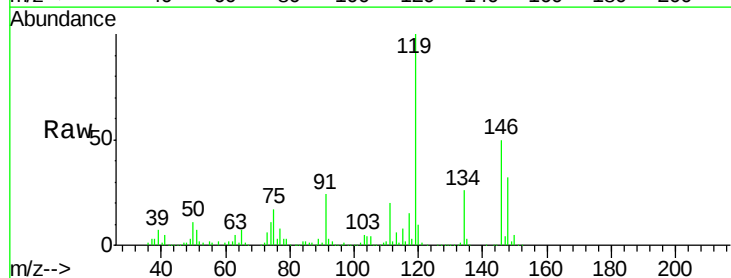
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

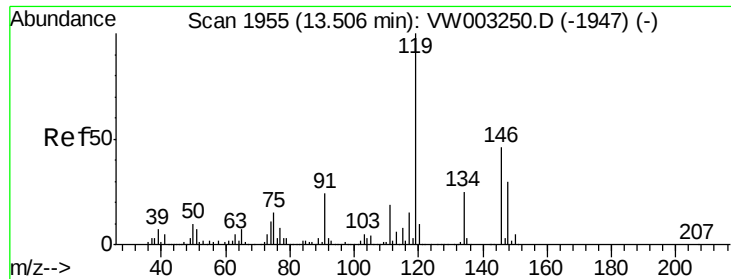
Tgt Ion:105 Resp: 648405
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 45.973 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion:119 Resp: 571379
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 23.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 47.221 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

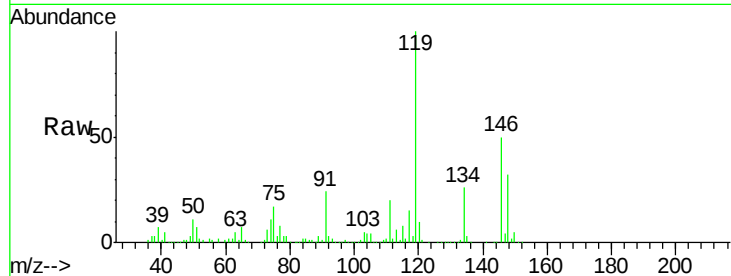
Tgt Ion:146 Resp: 299404

Ion Ratio Lower Upper

146 100

111 40.0 19.8 59.4

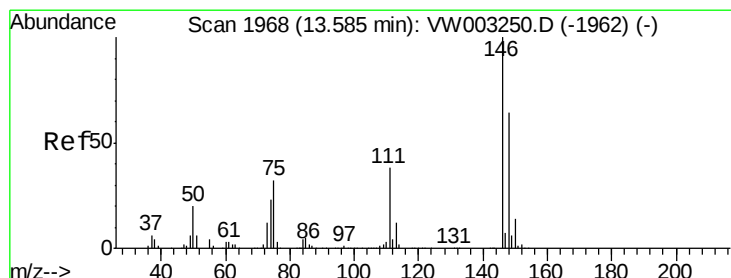
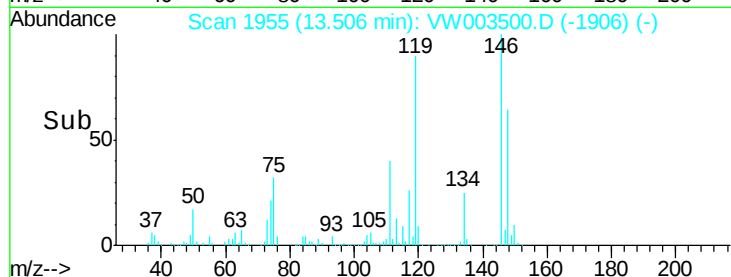
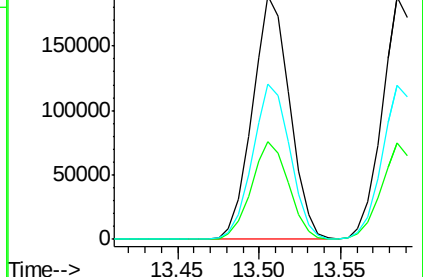
148 64.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.138 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

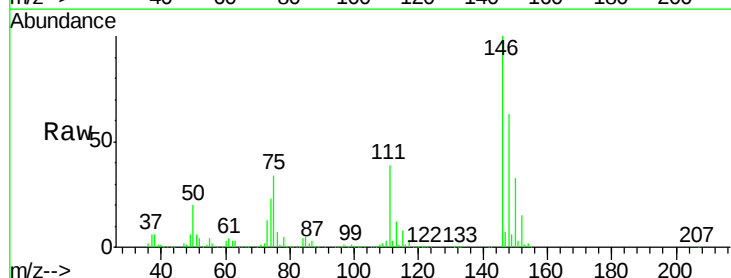
Tgt Ion:146 Resp: 297124

Ion Ratio Lower Upper

146 100

111 38.9 19.2 57.6

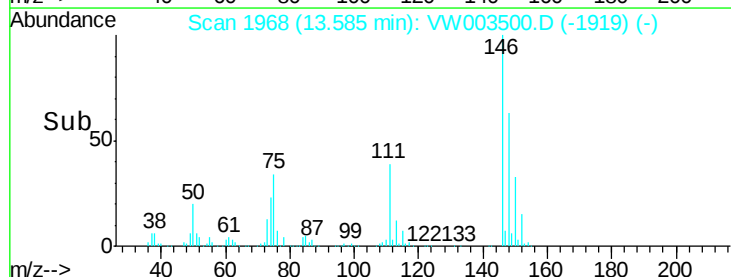
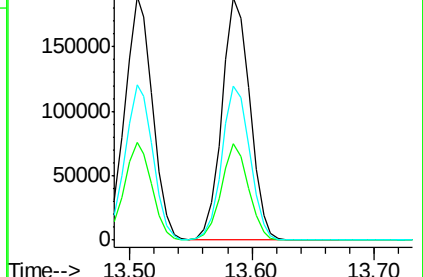
148 63.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 44.292 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

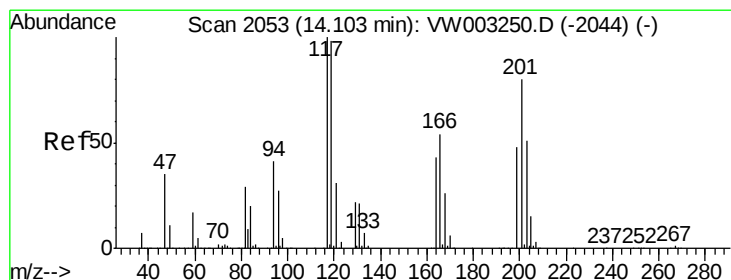
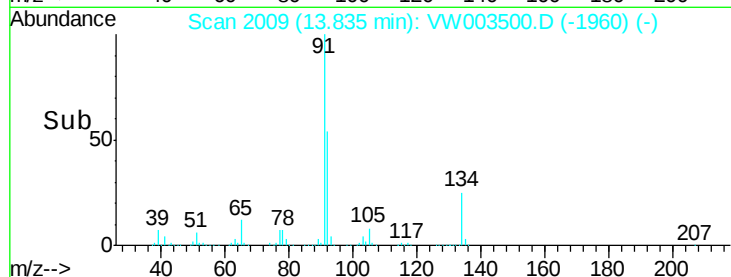
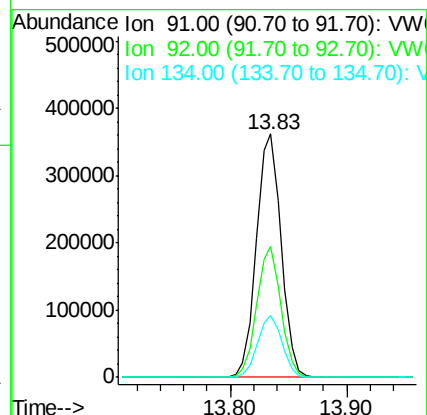
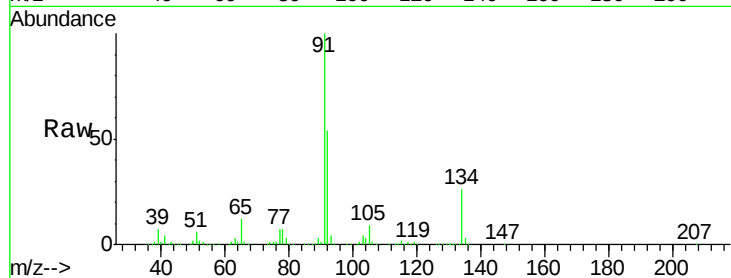
Tgt Ion: 91 Resp: 536582

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

134 25.1 12.7 38.0



#90

Hexachloroethane

Concen: 46.975 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003500.D

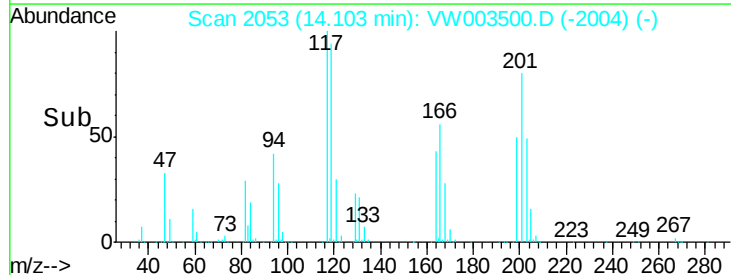
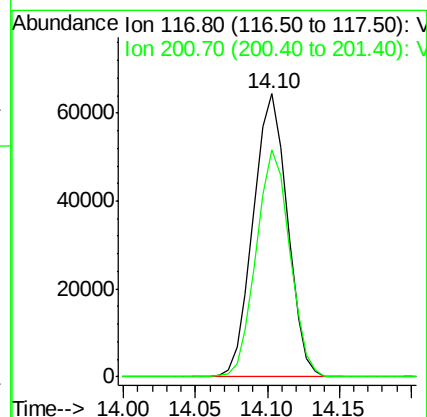
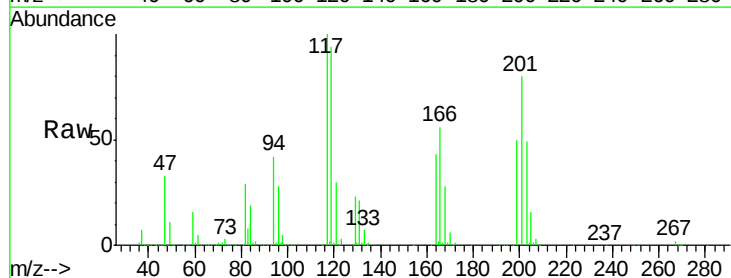
Acq: 24 Jun 2018 10:05

Tgt Ion: 117 Resp: 105614

Ion Ratio Lower Upper

117 100

201 78.8 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 49.170 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

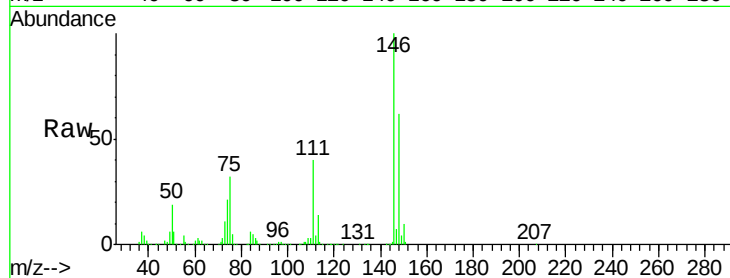
Tgt Ion:146 Resp: 273090

Ion Ratio Lower Upper

146 100

111 40.8 20.3 61.0

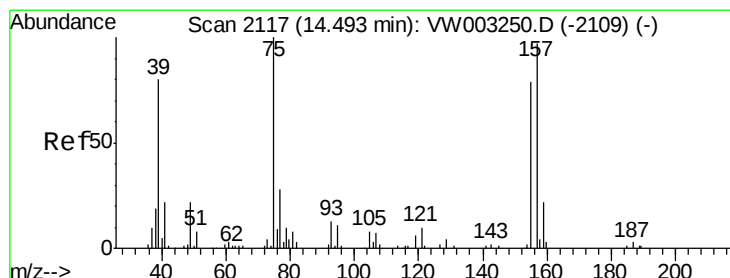
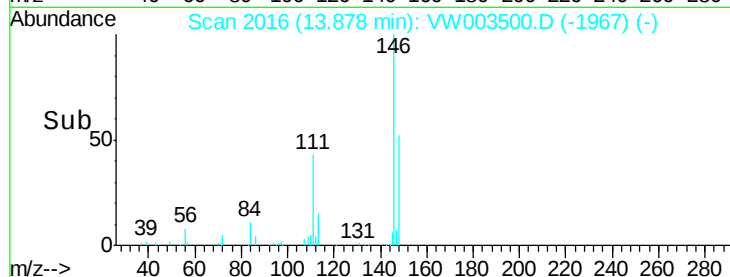
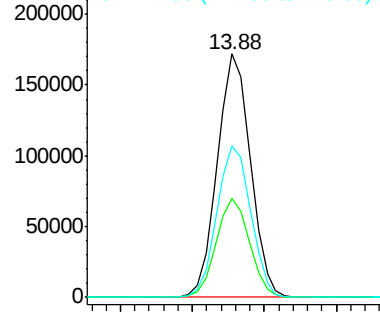
148 63.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.888 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

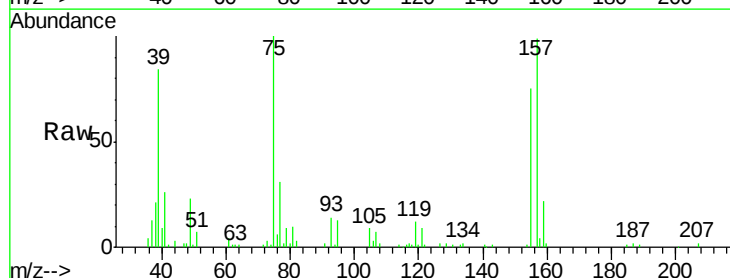
Tgt Ion: 75 Resp: 19578

Ion Ratio Lower Upper

75 100

155 76.6 39.4 118.2

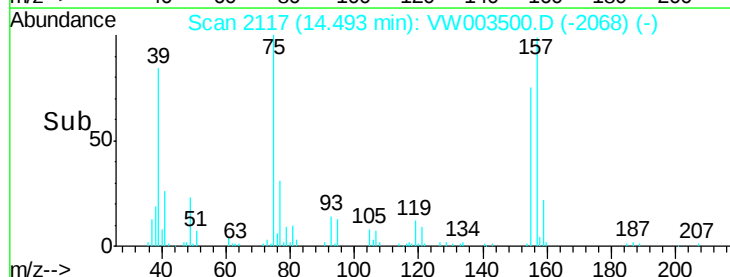
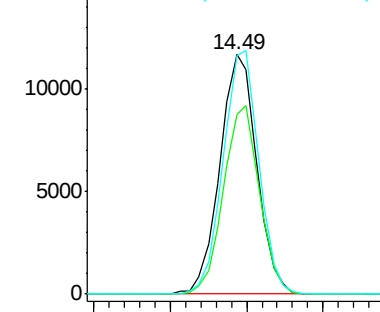
157 98.7 51.5 154.5

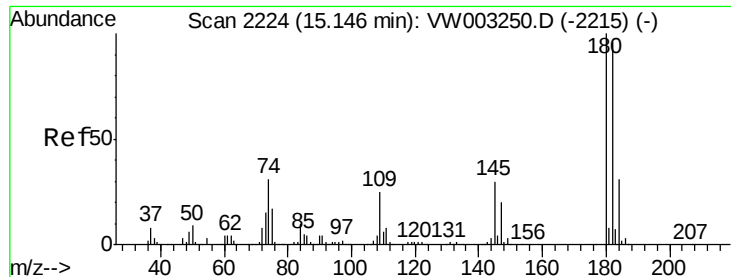


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

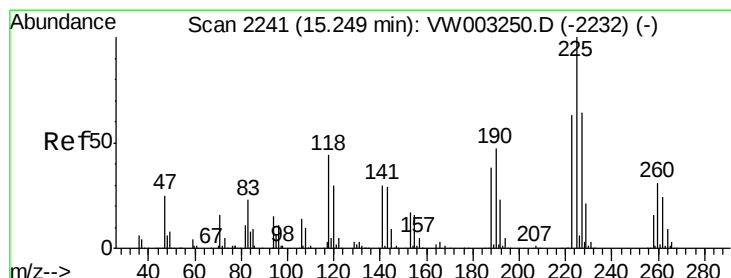
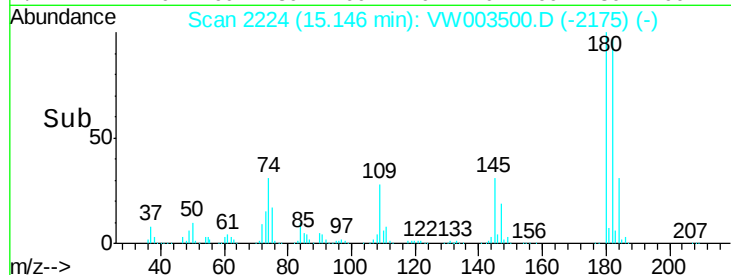
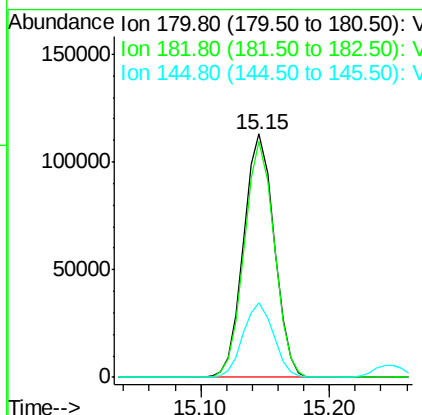
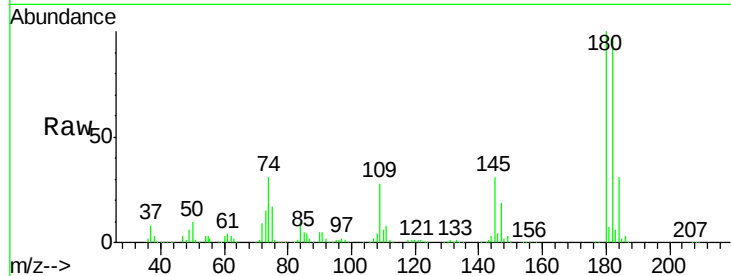




#93
 1,2,4-Trichlorobenzene
 Concen: 47.559 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

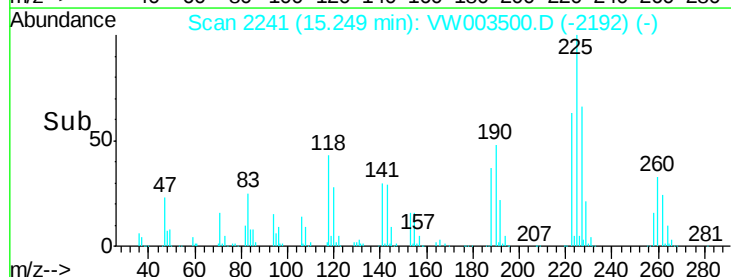
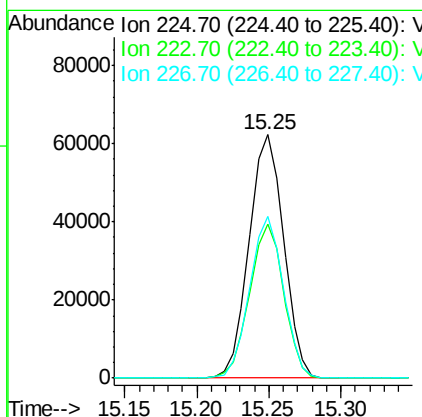
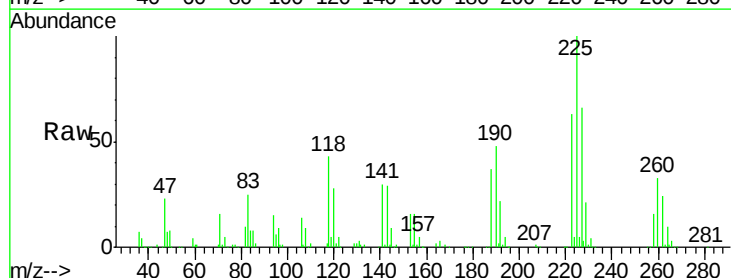
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

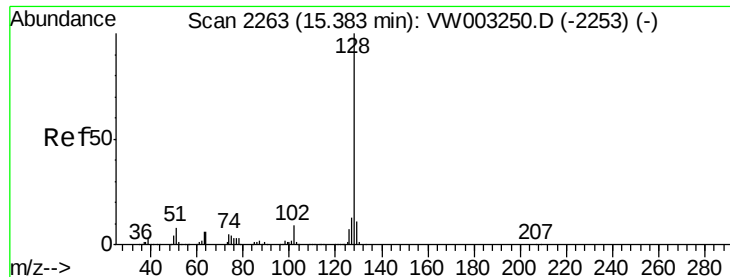
Tgt Ion:180 Resp: 185431
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 30.4 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 44.149 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003500.D
 Acq: 24 Jun 2018 10:05

Tgt Ion:225 Resp: 103545
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.6 92.0
 227 64.4 31.7 95.1





#95

Naphthalene

Concen: 53.154 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

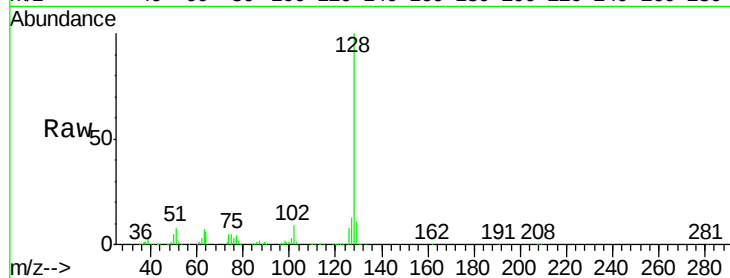
Tgt Ion:128 Resp: 351552

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

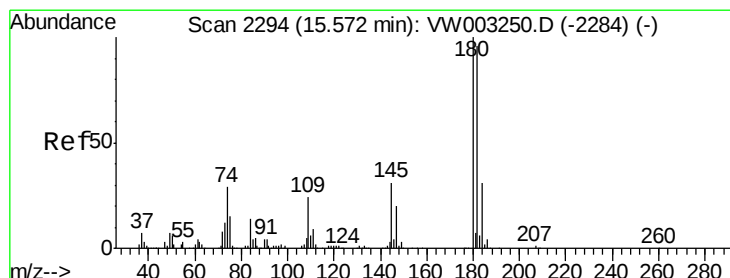
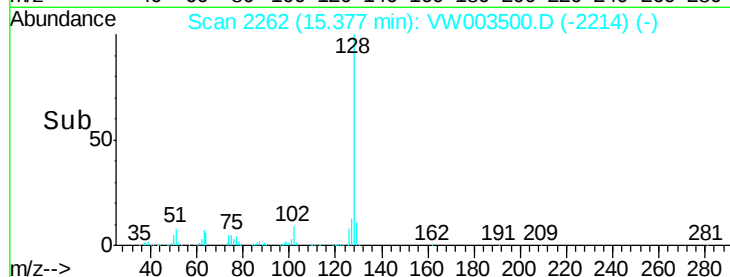
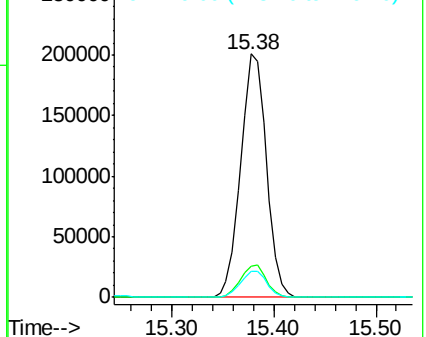
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.818 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003500.D

Acq: 24 Jun 2018 10:05

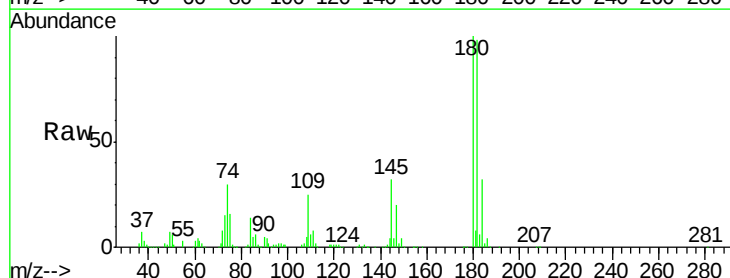
Tgt Ion:180 Resp: 167540

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.6

145 31.9 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

