

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006194.D
 Acq On : 18 Oct 2018 23:37
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 6.28G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 19 06:05:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	392333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	363765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	205183	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	112325	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.89	113	115124	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.33	98	429375	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.62	95	165197	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	69491	52.343	ug/l	95
3) Chloromethane	2.22	50	81874	47.909	ug/l	99
4) Vinyl Chloride	2.37	62	123530	50.616	ug/l	100
5) Bromomethane	2.79	94	105466	47.512	ug/l	99
6) Chloroethane	2.93	64	90706	51.863	ug/l	99
7) Trichlorofluoromethane	3.26	101	108400	47.679	ug/l	99
8) Diethyl Ether	3.68	74	60746	50.275	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	120934	50.757	ug/l	99
10) Methyl Iodide	4.27	142	216454	54.582	ug/l	99
11) Tert butyl alcohol	5.26	59	35794	239.286	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	115697	51.614	ug/l	93
13) Acrolein	3.90	56	27558	190.389	ug/l	95
14) Allyl chloride	4.67	41	164746	51.401	ug/l	100
15) Acrylonitrile	5.38	53	114524	264.256	ug/l	100
16) Acetone	4.15	43	99181	236.913	ug/l	97
17) Carbon Disulfide	4.38	76	324858	48.019	ug/l	99
18) Methyl Acetate	4.68	43	57905	51.733	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	185151	54.231	ug/l	99
20) Methylene Chloride	4.92	84	129945	55.390	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	133786	53.471	ug/l	100
22) Diisopropyl ether	6.32	45	344077	54.324	ug/l	99
23) Vinyl Acetate	6.26	43	974289	260.652	ug/l	99
24) 1,1-Dichloroethane	6.22	63	220234	53.887	ug/l	99
25) 2-Butanone	7.18	43	149916	249.501	ug/l	99
26) 2,2-Dichloropropane	7.17	77	135511	47.012	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	149713	54.223	ug/l	100
28) Bromochloromethane	7.52	49	88575	56.139	ug/l	96
29) Tetrahydrofuran	7.54	42	95230	257.840	ug/l	99
30) Chloroform	7.68	83	242566	54.476	ug/l	96
31) Cyclohexane	7.96	56	189113	46.465	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	210847	52.494	ug/l	100
36) 1,1-Dichloropropene	8.09	75	183601	50.772	ug/l	100
37) Ethyl Acetate	7.26	43	68636	51.085	ug/l	100
38) Carbon Tetrachloride	8.07	117	196882	49.664	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	232435	48.354	ug/l	99
40) Benzene	8.33	78	526100	53.037	ug/l	99
41) Methacrylonitrile	7.49	41	41285	50.972	ug/l	96
42) 1,2-Dichloroethane	8.41	62	156066	53.551	ug/l	99
43) Isopropyl Acetate	8.43	43	139571	50.807	ug/l	99
44) Trichloroethene	9.10	130	159592	52.440	ug/l	100
45) 1,2-Dichloropropane	9.37	63	124801	52.577	ug/l	100
46) Dibromomethane	9.46	93	72108	53.300	ug/l	99
47) Bromodichloromethane	9.65	83	171562	52.305	ug/l	99
48) Methyl methacrylate	9.44	41	67780	52.052	ug/l	94
49) 1,4-Dioxane	9.49	88	23258	1116.714	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	351154	255.124	ug/l	99
52) Toluene	10.39	92	351435	52.845	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	167367	51.215	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	194212	51.782	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102244	54.005	ug/l	98
56) Ethyl methacrylate	10.65	69	122734	52.881	ug/l	98
57) 1,3-Dichloropropane	10.94	76	167455	53.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	215391	242.872	ug/l	99
59) 2-Hexanone	10.98	43	241490	245.785	ug/l	98
60) Dibromochloromethane	11.13	129	124262	52.694	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101681	53.752	ug/l	100
64) Tetrachloroethene	10.87	164	148402	52.552	ug/l	99
65) Chlorobenzene	11.66	112	410357	52.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	145113	52.437	ug/l	99
67) Ethyl Benzene	11.74	91	699158	51.807	ug/l	99
68) m/p-Xylenes	11.85	106	552396	103.560	ug/l	100
69) o-Xylene	12.17	106	268798	52.876	ug/l	99
70) Styrene	12.19	104	442290	53.504	ug/l	99
71) Bromoform	12.35	173	75592	48.972	ug/l #	99
73) Isopropylbenzene	12.47	105	737411	50.872	ug/l	99
74) N-amyl acetate	12.28	43	139710	49.623	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	116204	52.707	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	148989	95.067	ug/l #	100
77) Bromobenzene	12.76	156	186413	52.504	ug/l	100
78) n-propylbenzene	12.81	91	851709	50.503	ug/l	100
79) 2-Chlorotoluene	12.90	91	492743	52.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	617933	50.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	29089	44.369	ug/l	94
82) 4-Chlorotoluene	12.99	91	508294	51.209	ug/l	100
83) tert-Butylbenzene	13.21	119	550269	50.330	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	636060	51.438	ug/l	100
85) sec-Butylbenzene	13.39	105	774726	50.157	ug/l	100
86) p-Isopropyltoluene	13.51	119	706828	50.593	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	369489	52.291	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	362851	51.575	ug/l	100
89) n-Butylbenzene	13.83	91	630124	49.318	ug/l	99
90) Hexachloroethane	14.10	117	112250	47.434	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	327503	51.961	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19483	49.357	ug/l	98

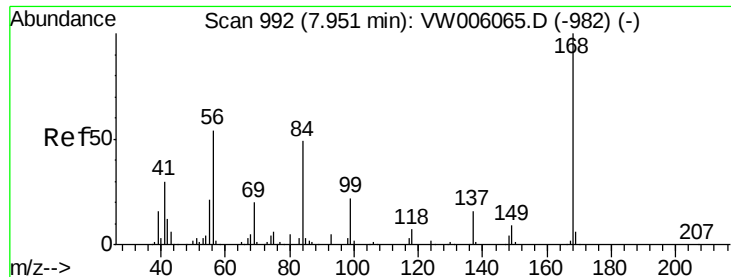
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	246403	50.808	ug/l	100
94) Hexachlorobutadiene	15.24	225	148243	48.660	ug/l	99
95) Naphthalene	15.38	128	430330	53.342	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	217357	51.817	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

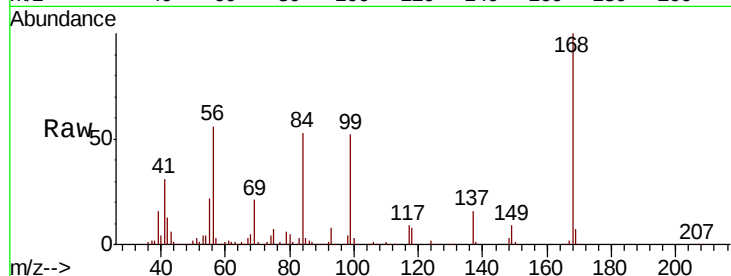
VSTDCCC050EC

Tot Ion:168 Resp: 268281

Ion Ratio Lower Upper

168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

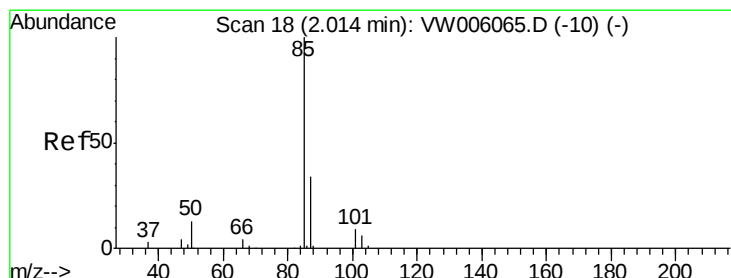
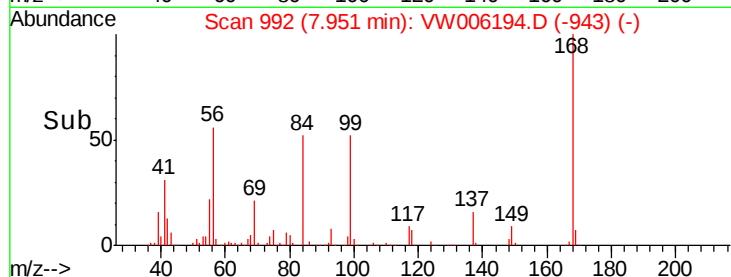
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.343 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006194.D

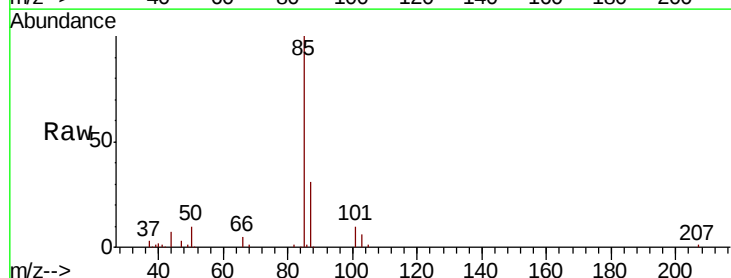
Acq: 18 Oct 2018 23:37

Tgt Ion: 85 Resp: 69491

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

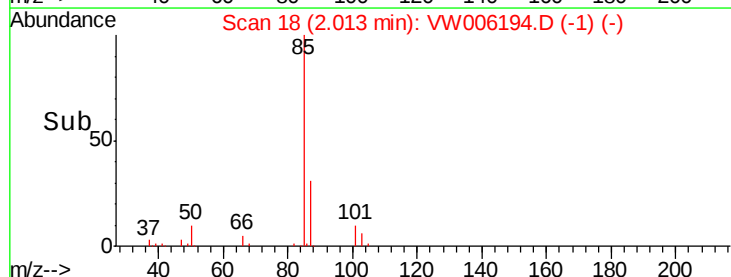
10000

5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 47.909 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

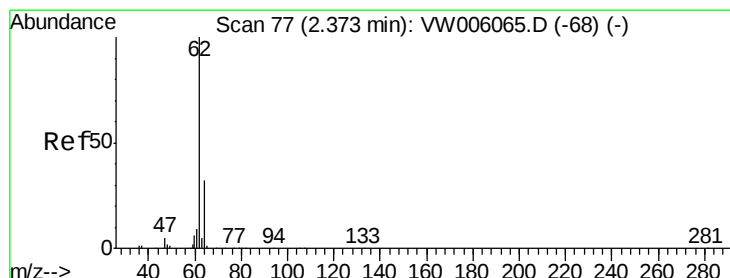
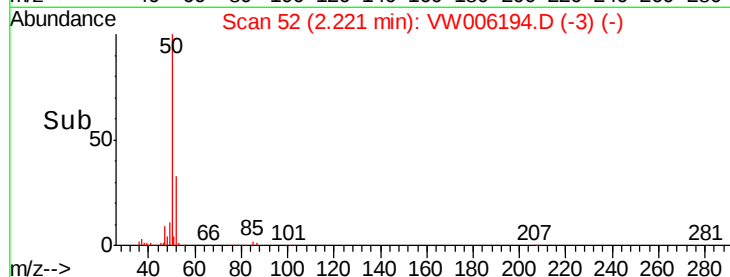
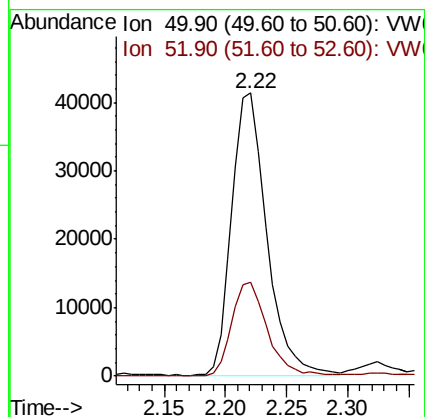
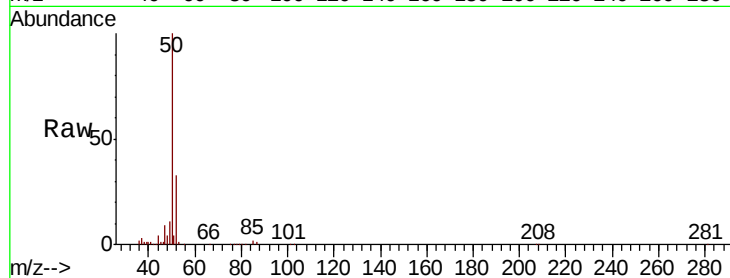
VSTDCCC050EC

Tot Ion: 50 Resp: 81874

Ion Ratio Lower Upper

50 100

52 33.2 26.8 40.2



#4

Vinyl Chloride

Concen: 50.616 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006194.D

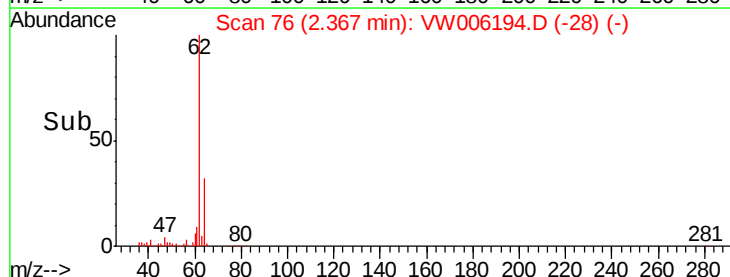
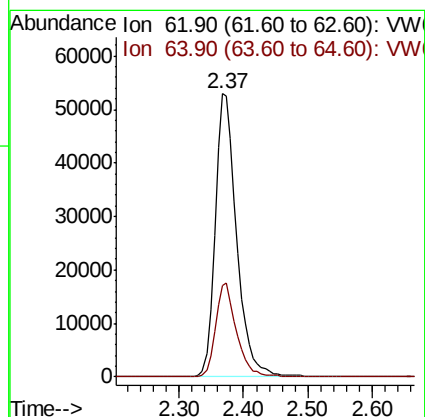
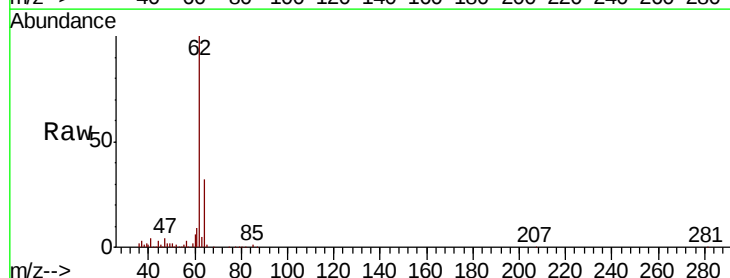
Acq: 18 Oct 2018 23:37

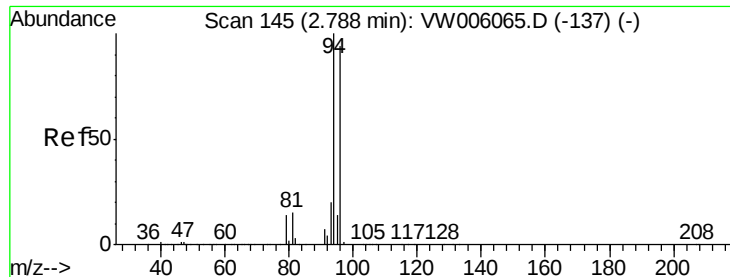
Tgt Ion: 62 Resp: 123530

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 47.512 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

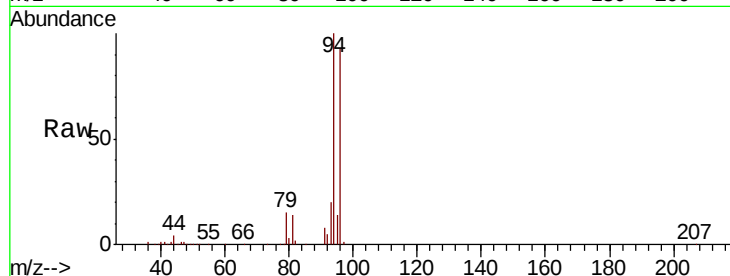
VSTDCCC050EC

Tot Ion: 94 Resp: 105466

Ion Ratio Lower Upper

94 100

96 92.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

50000

40000

30000

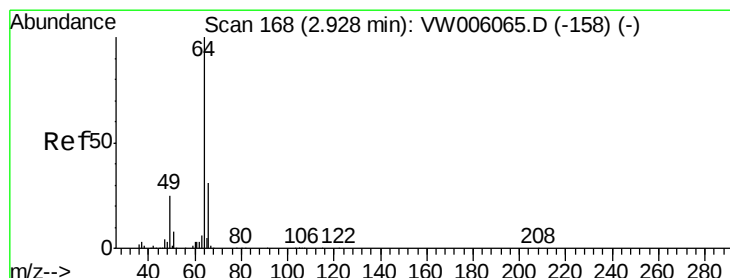
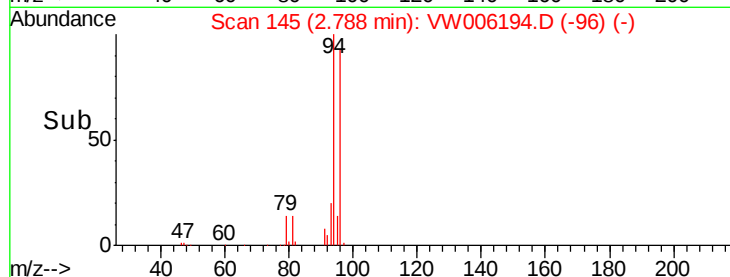
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10000

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Time-->

2.60 2.70 2.80 2.90 3.00



#6

Chloroethane

Concen: 51.863 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006194.D

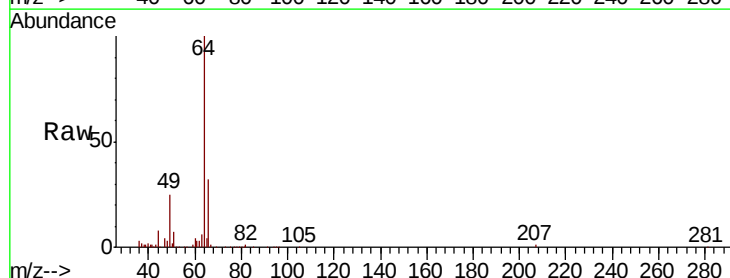
Acq: 18 Oct 2018 23:37

Tgt Ion: 64 Resp: 90706

Ion Ratio Lower Upper

64 100

66 31.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

30000

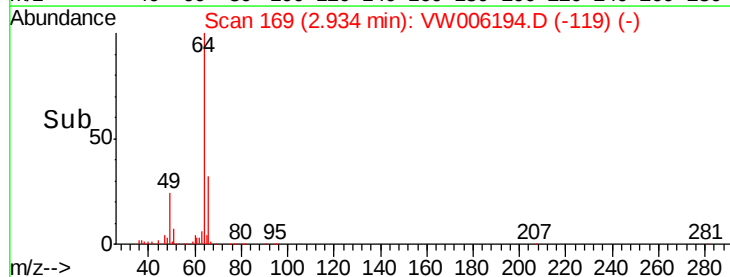
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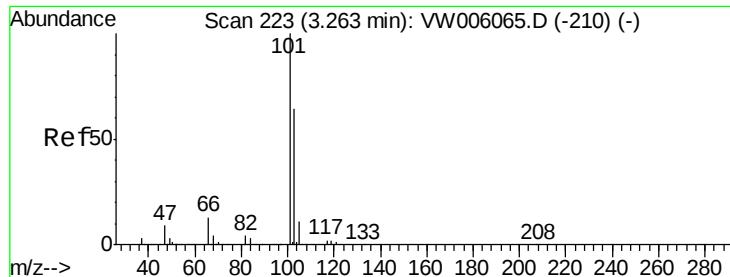
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Time-->

2.80 2.90 3.00 3.10 3.20



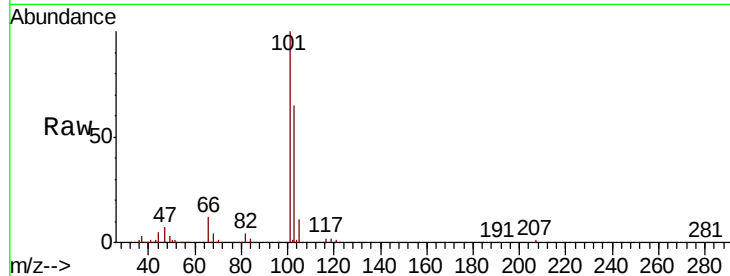


#7

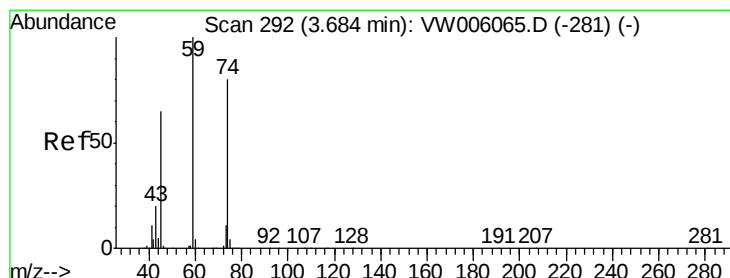
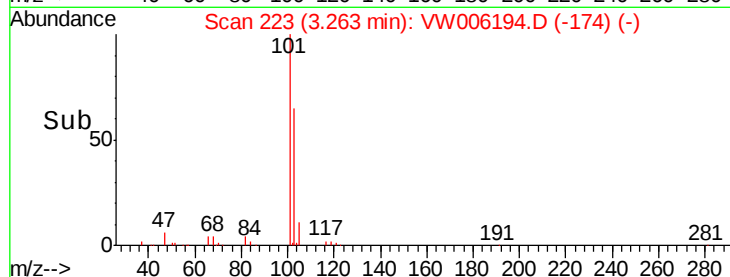
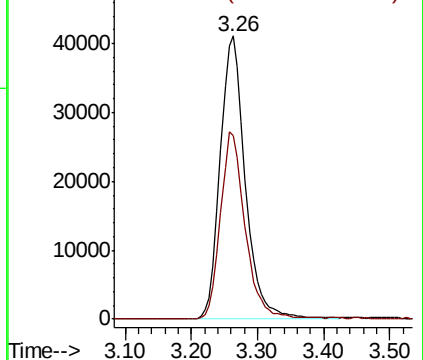
Trichlorofluoromethane
 Concen: 47.679 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Instrument :
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Tot Ion:101 Resp: 108400
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8



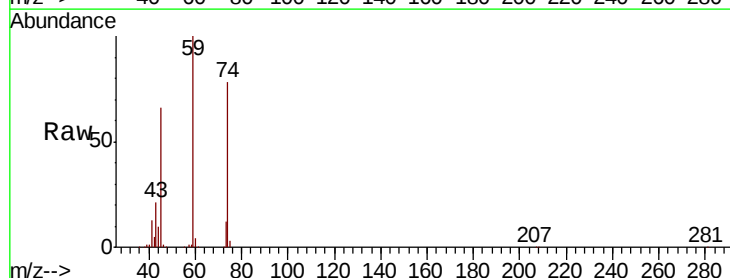
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



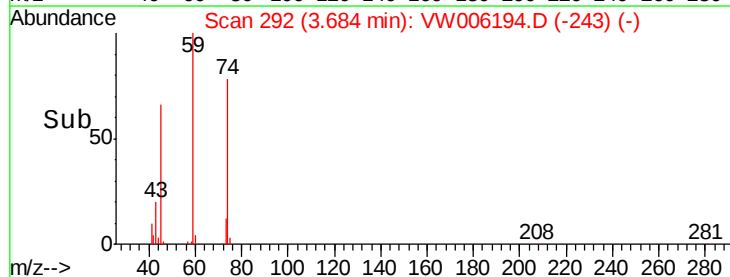
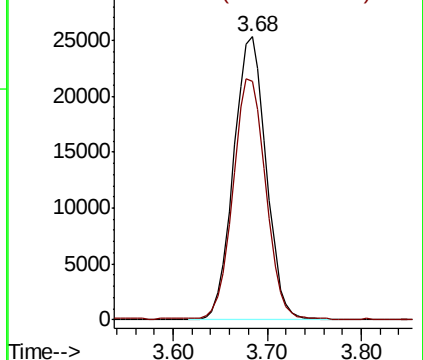
#8

Diethyl Ether
 Concen: 50.275 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 74 Resp: 60746
 Ion Ratio Lower Upper
 74 100
 45 85.0 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.757 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

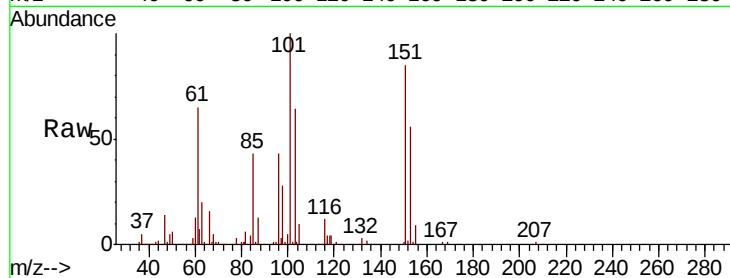
Tot Ion:101 Resp: 120934

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

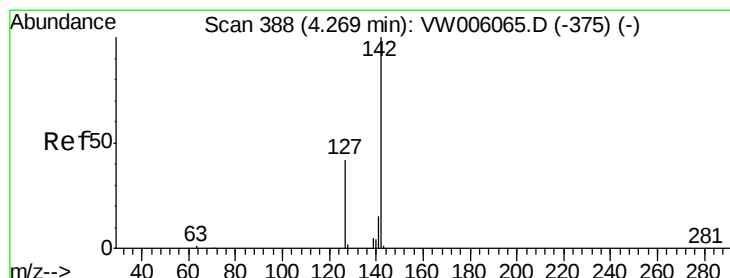
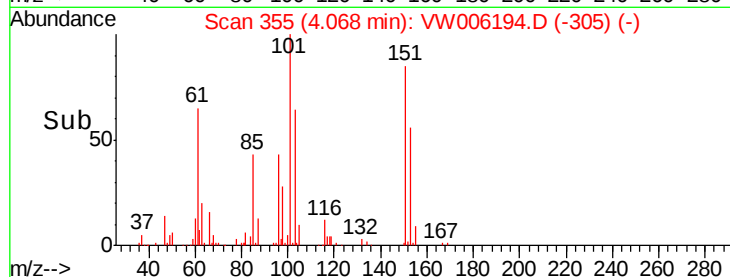
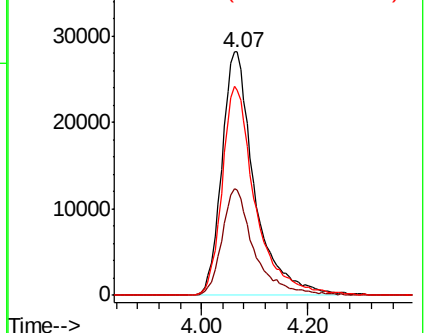
151 86.8 70.4 105.6



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: 54.582 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

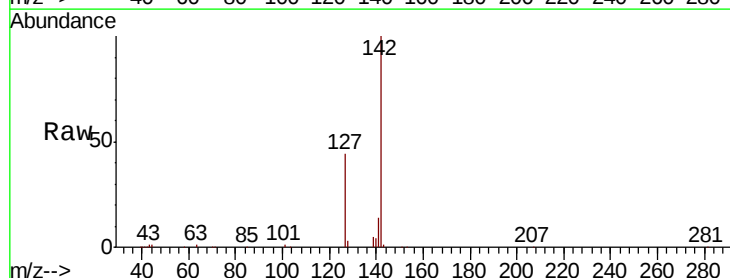
Tgt Ion:142 Resp: 216454

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

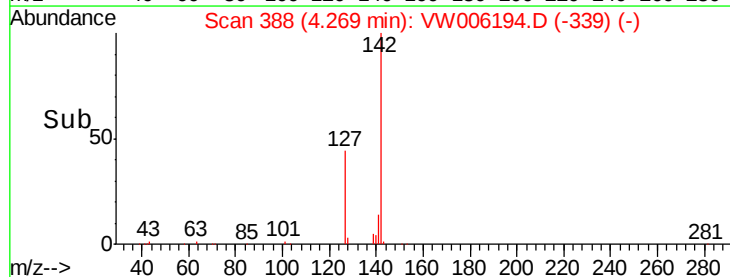
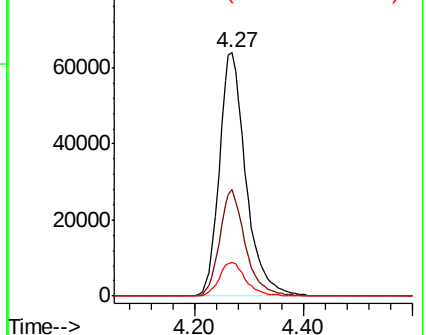
141 14.0 11.6 17.4

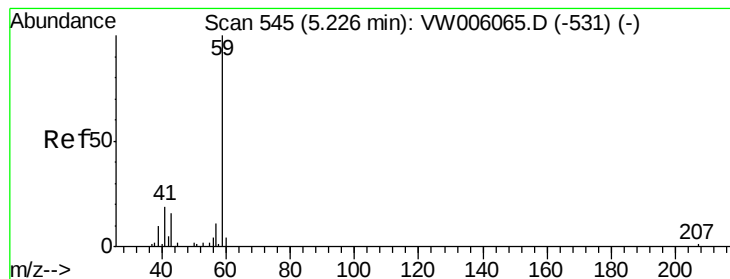


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



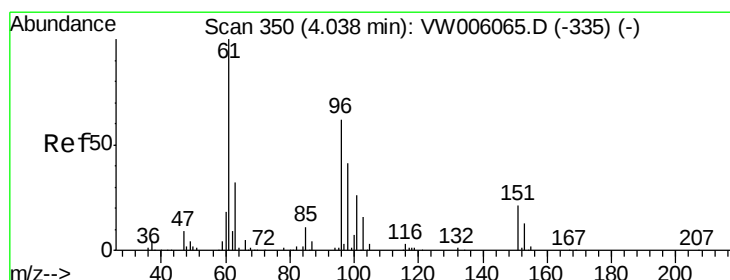
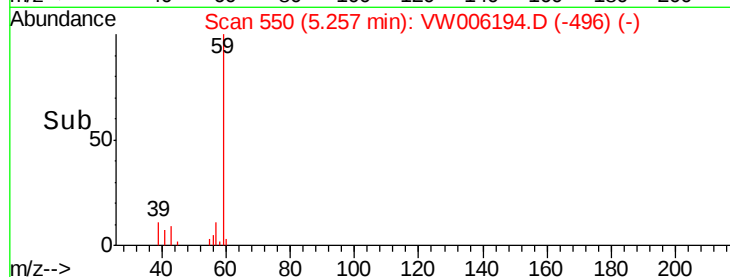
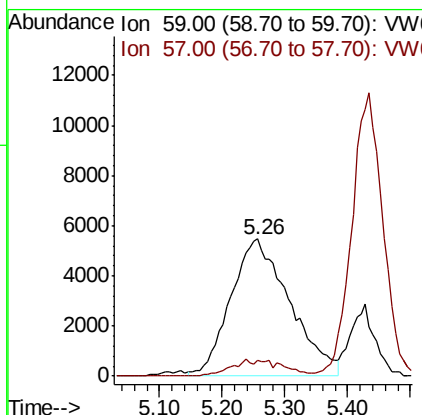
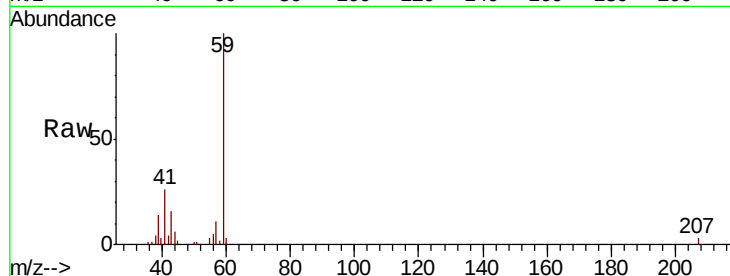


#11

Tert butyl alcohol
 Concen: 239.286 ug/l
 RT: 5.26 min Scan# 550
 Delta R.T. 0.03 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

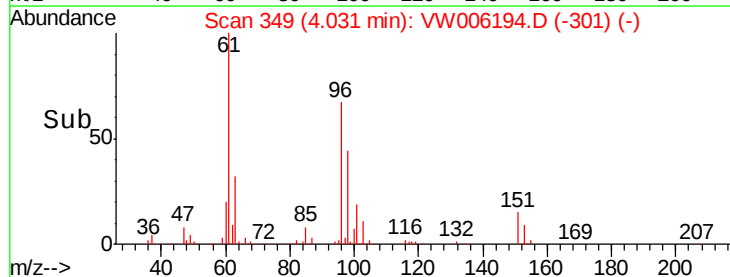
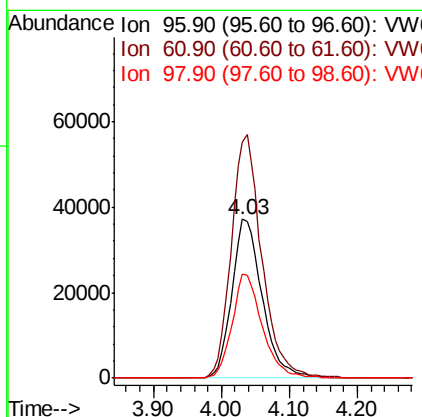
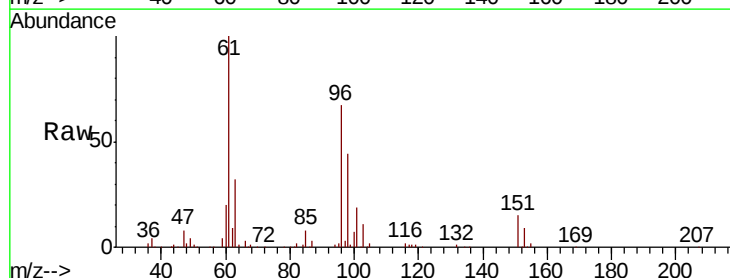
Tot Ion: 59 Resp: 35794
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.7 13.1#

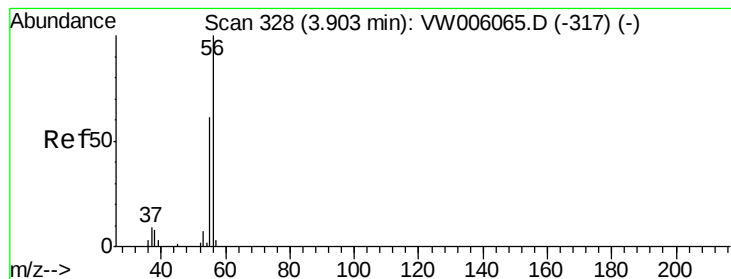


#12

1,1-Dichloroethene
 Concen: 51.614 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 96 Resp: 115697
 Ion Ratio Lower Upper
 96 100
 61 148.4 129.3 193.9
 98 65.7 53.1 79.7





#13

Acrolein

Concen: 190.389 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

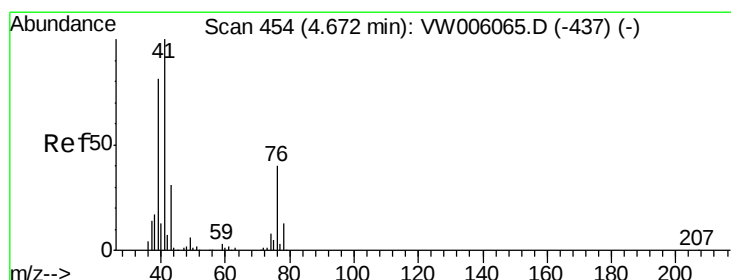
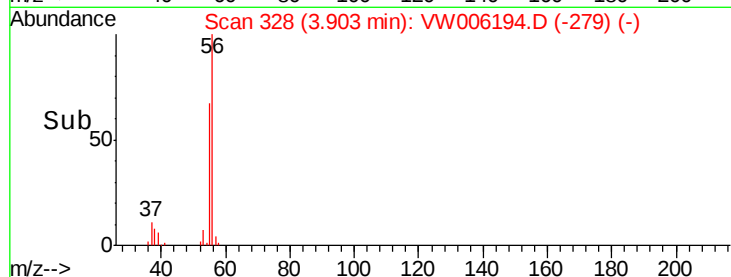
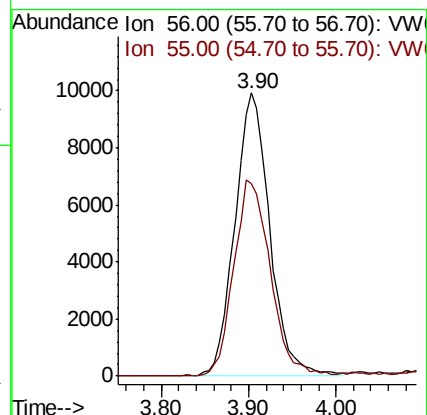
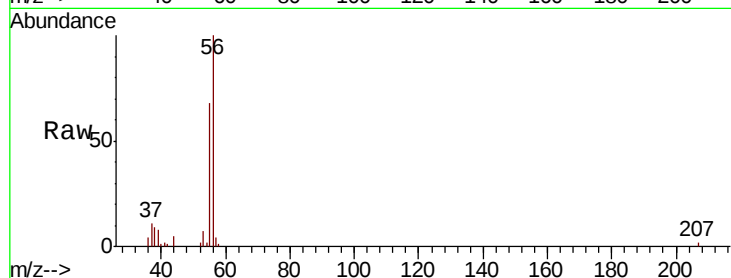
VSTDCCC050EC

Tot Ion: 56 Resp: 27558

Ion Ratio Lower Upper

56 100

55 72.5 54.5 81.7



#14

Allyl chloride

Concen: 51.401 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

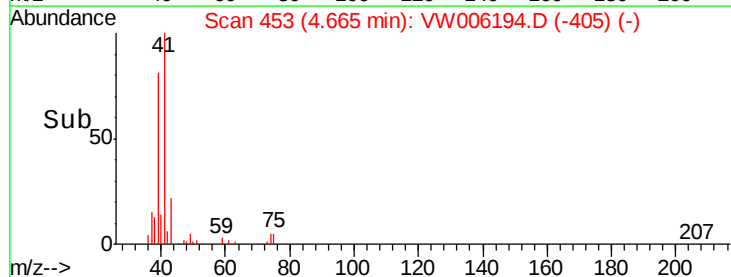
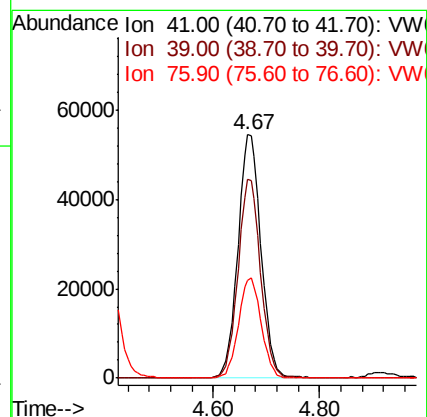
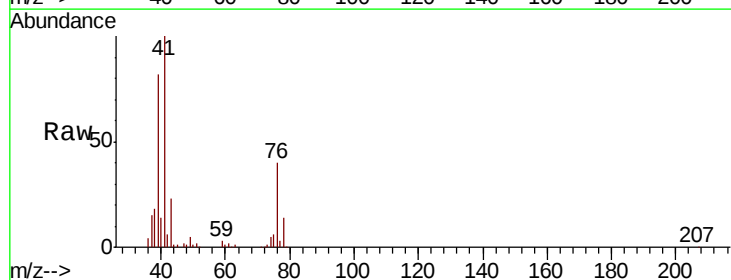
Tgt Ion: 41 Resp: 164746

Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 40.3 32.2 48.4





#15

Acrylonitrile

Concen: 264.256 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

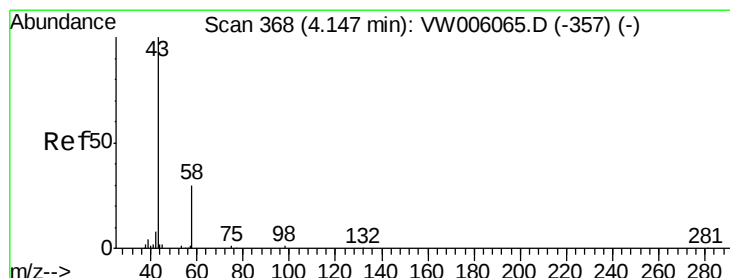
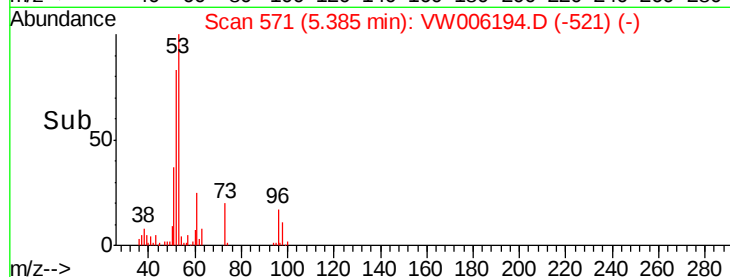
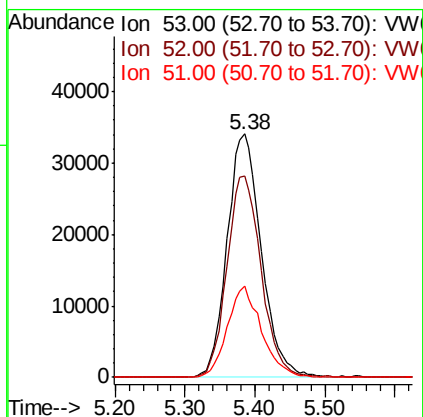
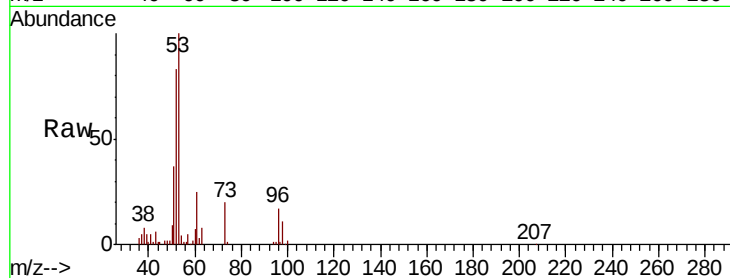
Tot Ion: 53 Resp: 114524

Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

51 37.7 30.1 45.1



#16

Acetone

Concen: 236.913 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006194.D

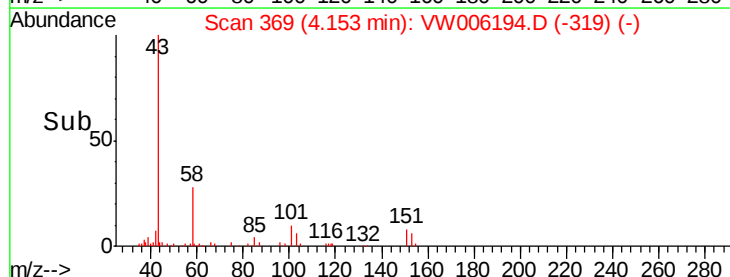
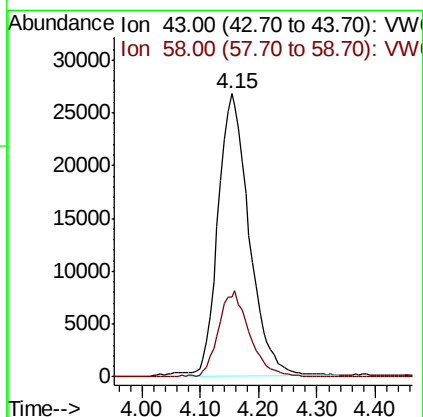
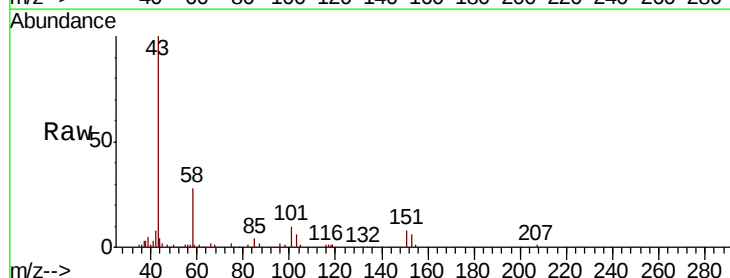
Acq: 18 Oct 2018 23:37

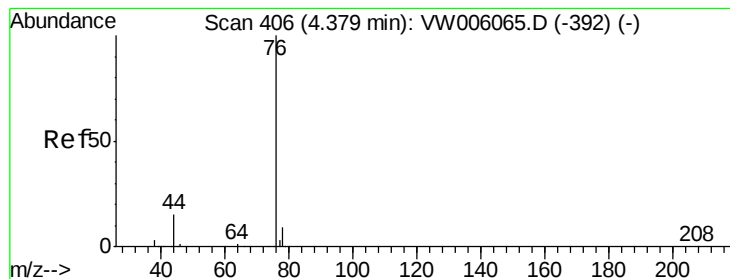
Tgt Ion: 43 Resp: 99181

Ion Ratio Lower Upper

43 100

58 28.2 24.0 36.0





#17

Carbon Disulfide

Concen: 48.019 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

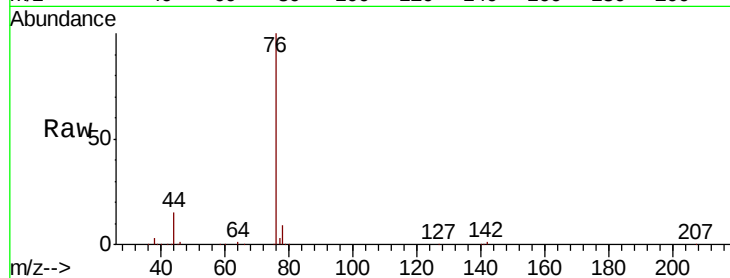
VSTDCCC050EC

Tot Ion: 76 Resp: 324858

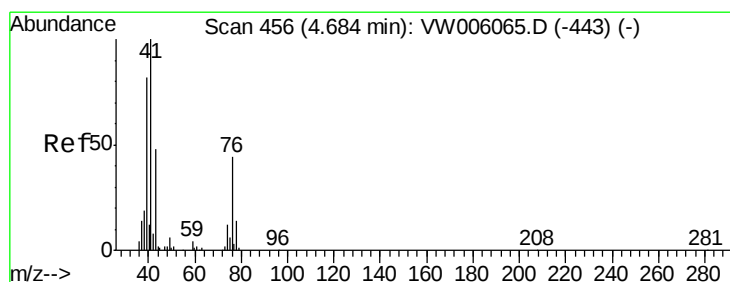
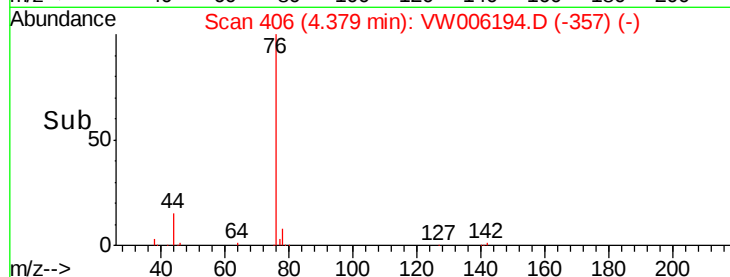
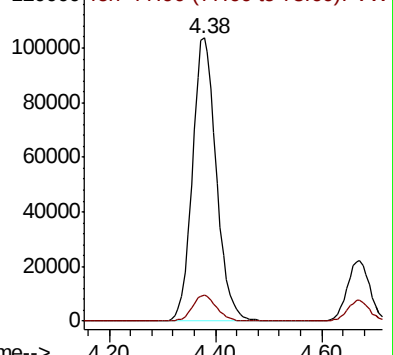
Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



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



#18

Methyl Acetate

Concen: 51.733 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW006194.D

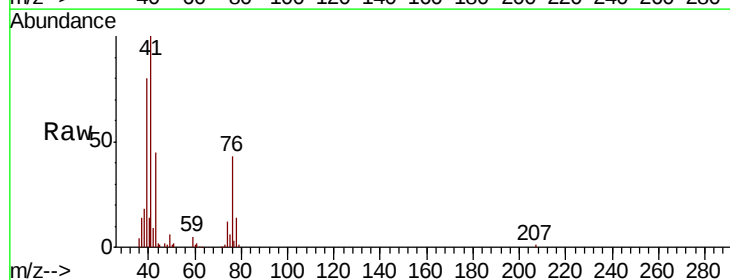
Acq: 18 Oct 2018 23:37

Tgt Ion: 43 Resp: 57905

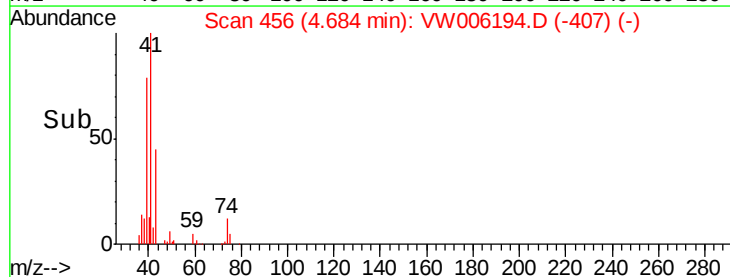
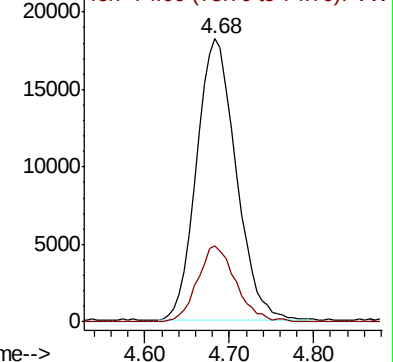
Ion Ratio Lower Upper

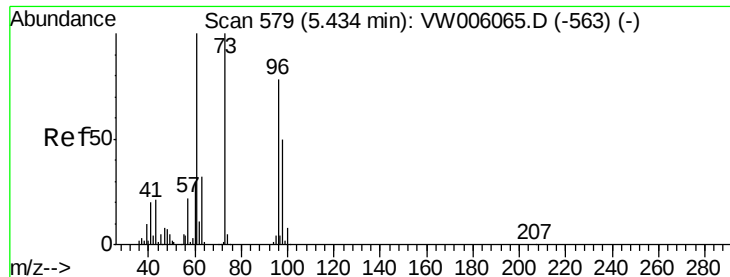
43 100

74 26.3 20.5 30.7



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



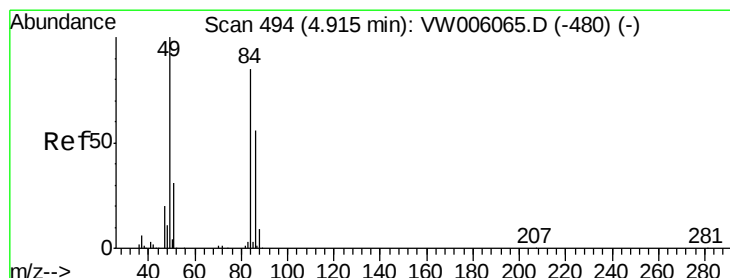
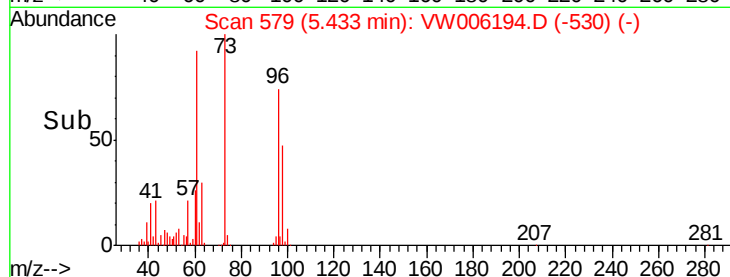
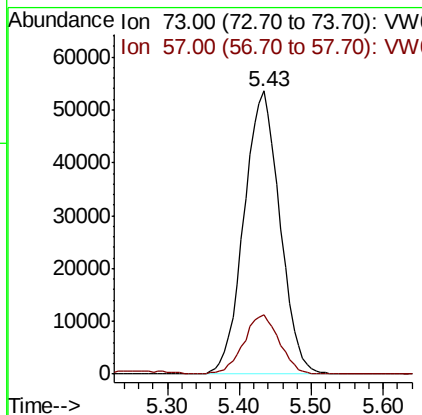
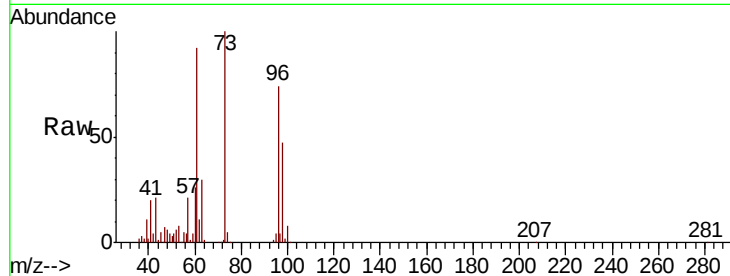


#19

Methyl tert-butyl Ether
 Concen: 54.231 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

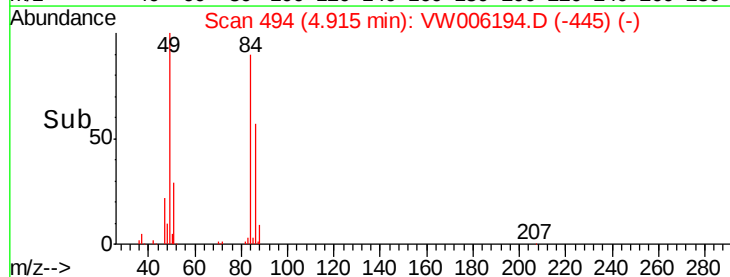
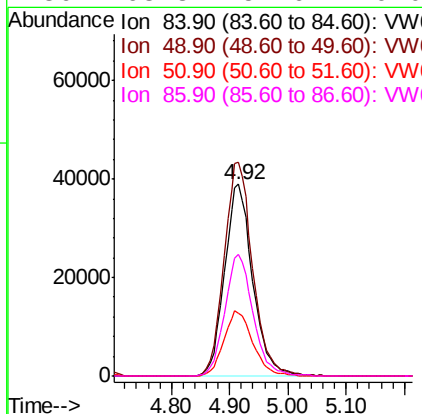
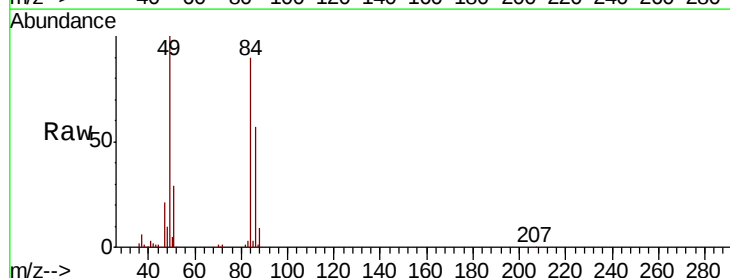
Tot Ion: 73 Resp: 185151
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.4 26.2

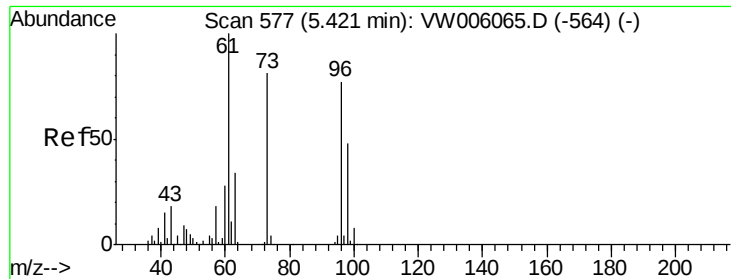


#20

Methylene Chloride
 Concen: 55.390 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 84 Resp: 129945
 Ion Ratio Lower Upper
 84 100
 49 111.6 93.6 140.4
 51 32.7 29.0 43.4
 86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 53.471 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

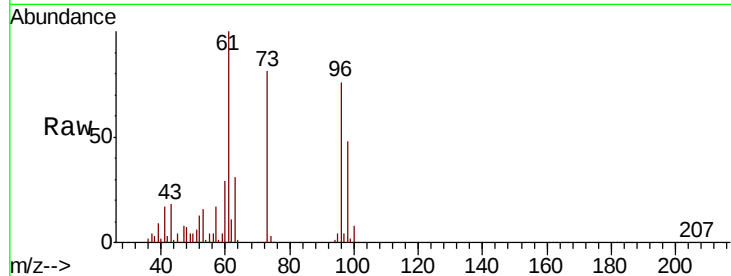
Tot Ion: 96 Resp: 133786

Ion Ratio Lower Upper

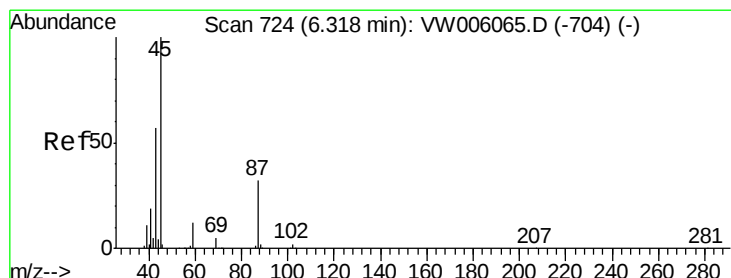
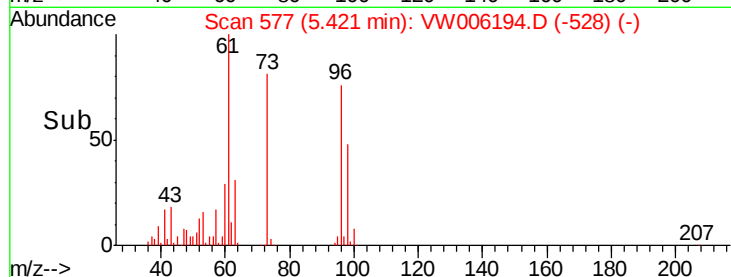
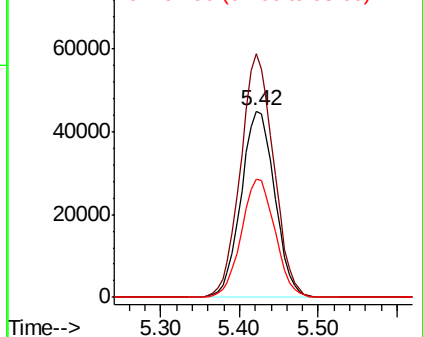
96 100

61 130.8 104.5 156.7

98 63.3 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.324 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Tgt Ion: 45 Resp: 344077

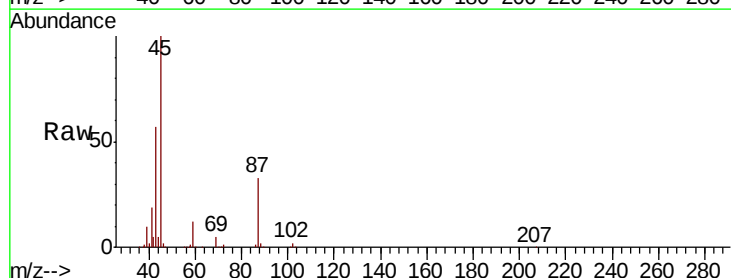
Ion Ratio Lower Upper

45 100

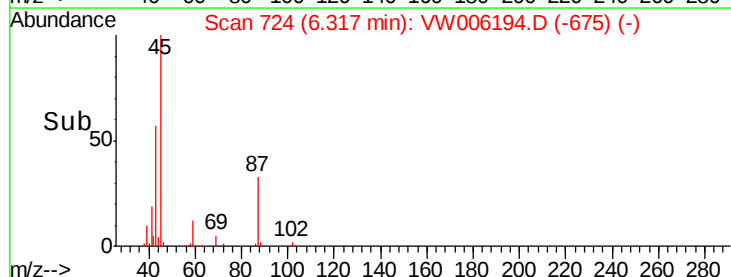
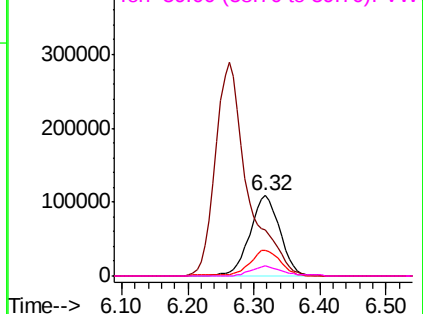
43 56.2 45.7 68.5

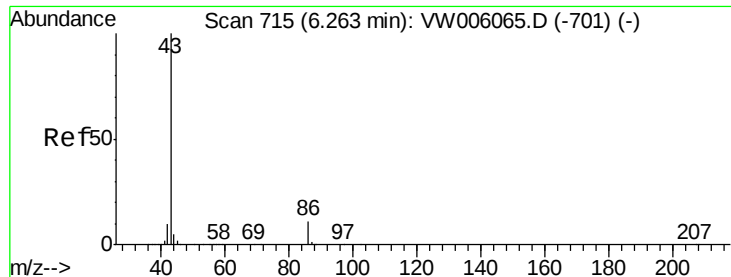
87 32.5 25.9 38.9

59 12.0 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

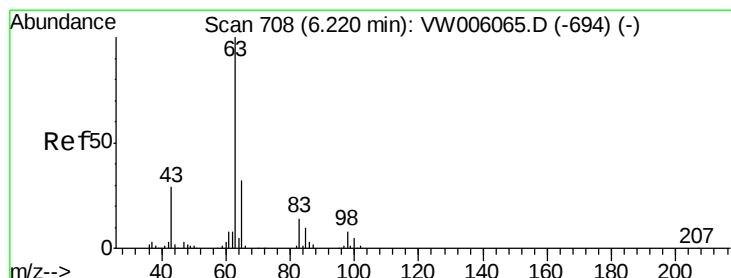
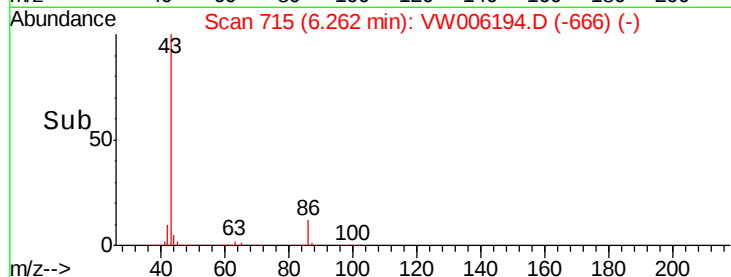
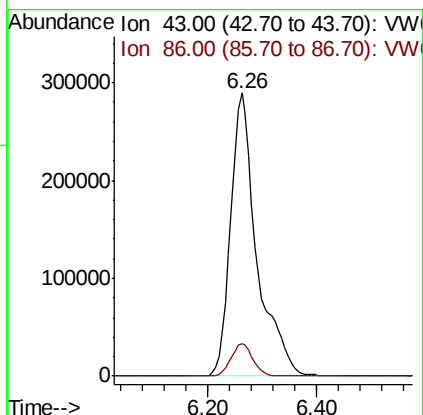
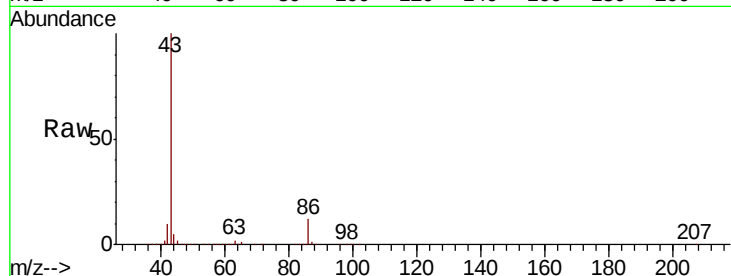




#23
 Vinyl Acetate
 Concen: 260.652 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

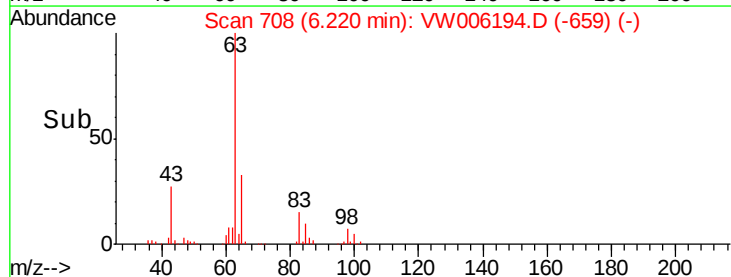
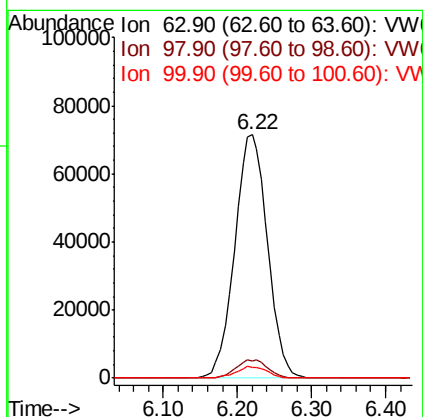
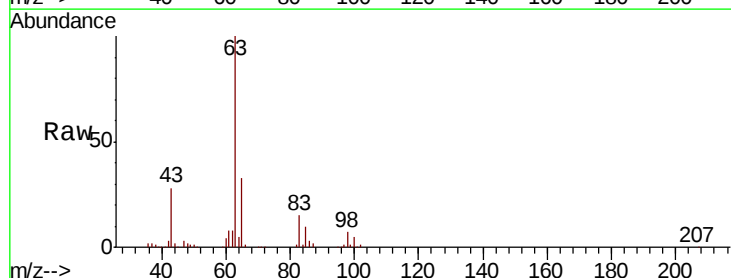
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 974289
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 53.887 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 63 Resp: 220234
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.2
 100 4.6 2.5 7.5





#25

2-Butanone

Concen: 249.501 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

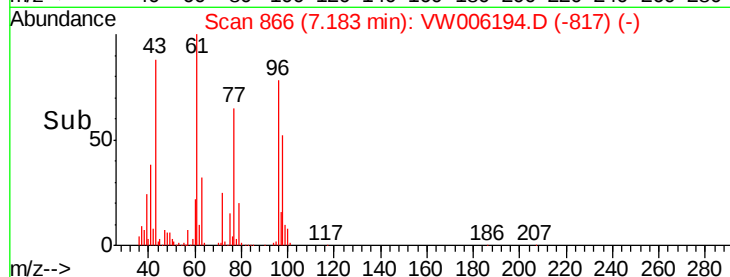
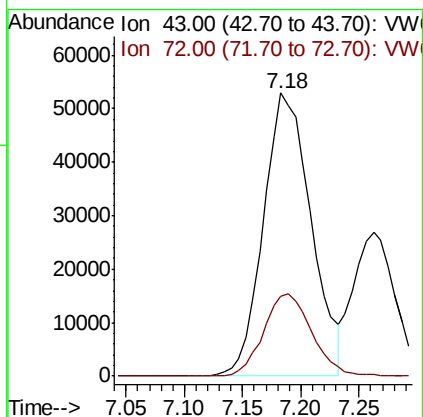
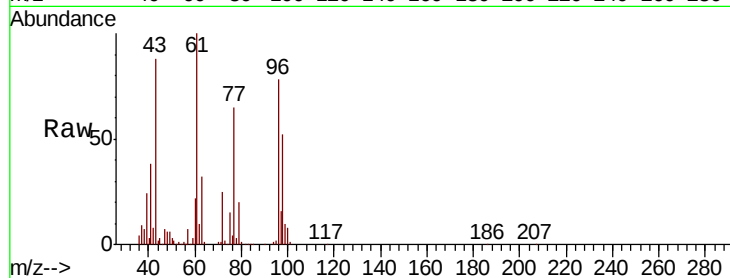
VSTDCCC050EC

Tot Ion: 43 Resp: 149916

Ion Ratio Lower Upper

43 100

72 28.2 22.8 34.2



#26

2,2-Dichloropropane

Concen: 47.012 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006194.D

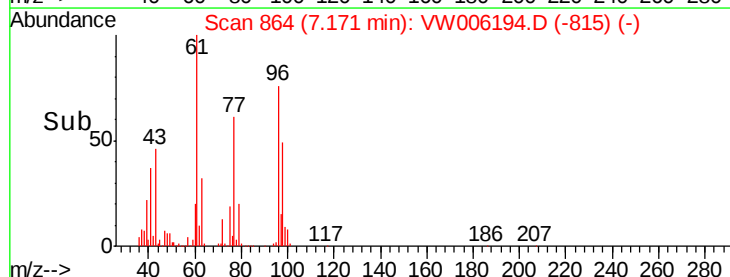
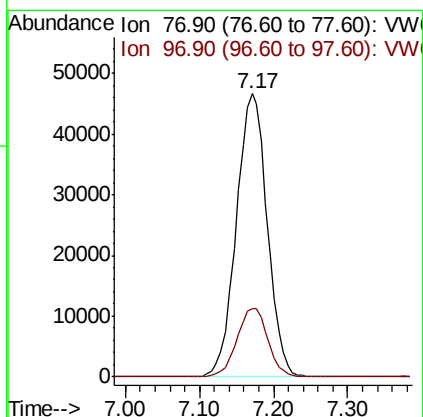
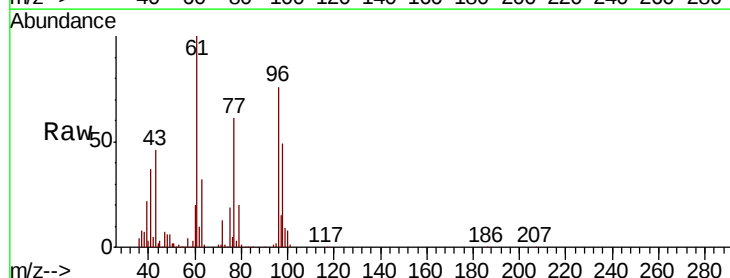
Acq: 18 Oct 2018 23:37

Tgt Ion: 77 Resp: 135511

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4



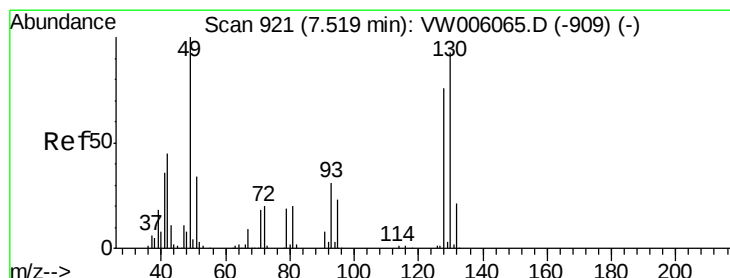
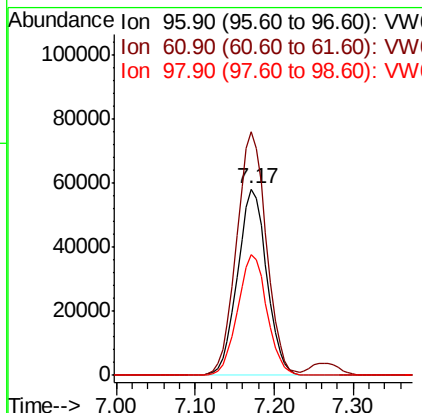
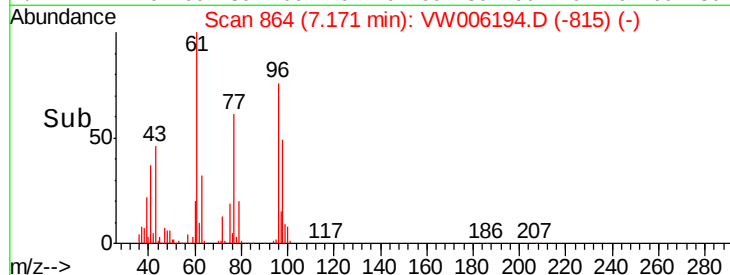
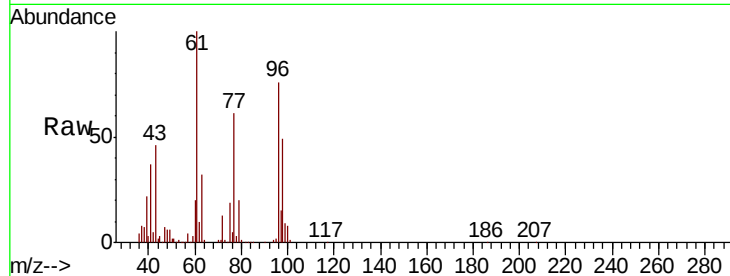


#27

cis-1,2-Dichloroethene
Concen: 54.223 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

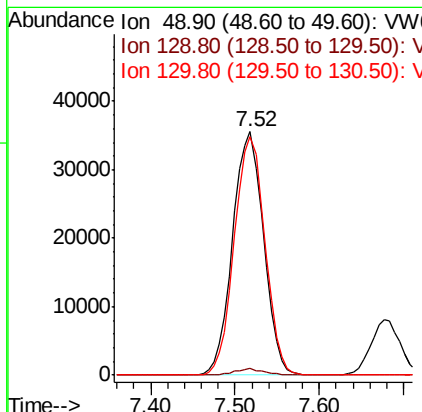
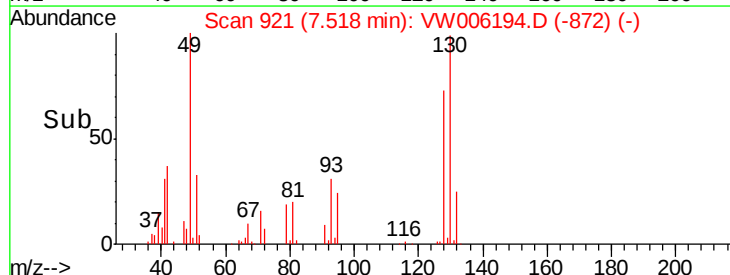
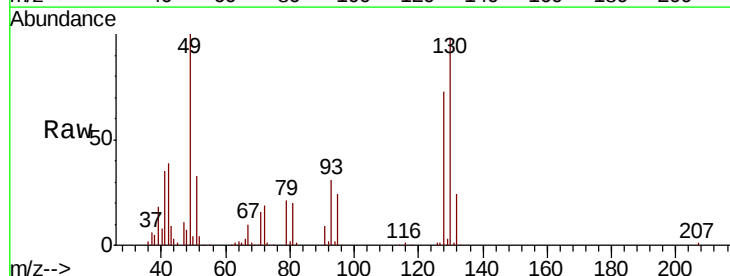
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	267.2
98	64.7	0.0	128.6



#28

Bromochloromethane
Concen: 56.139 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.6	73.8	110.8

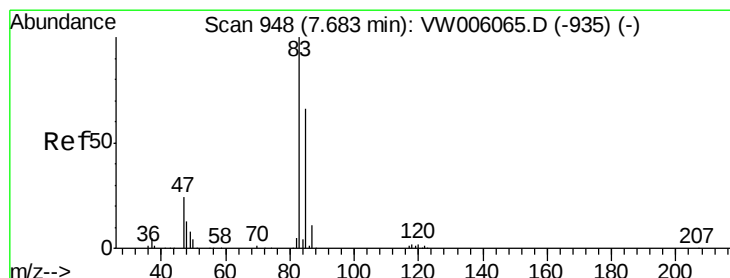
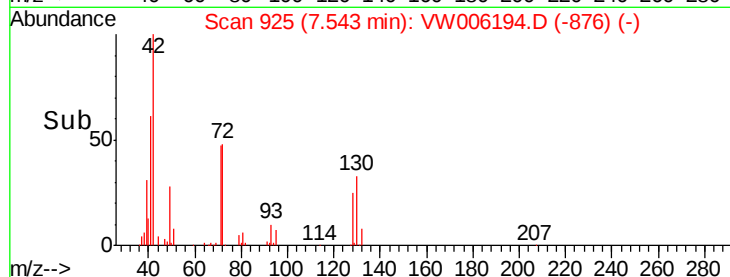
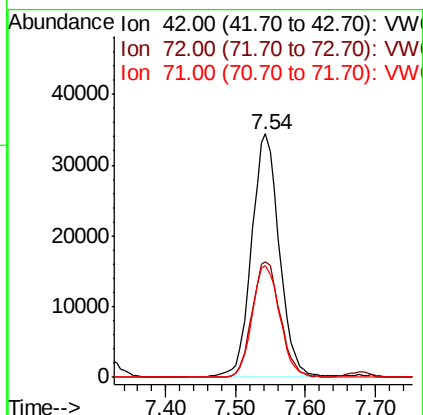
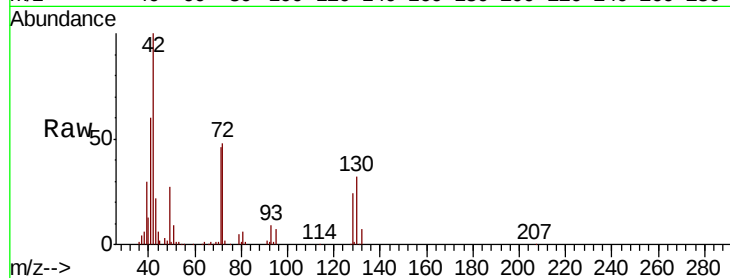




#29
Tetrahydrofuran
Concen: 257.840 ug/l
RT: 7.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

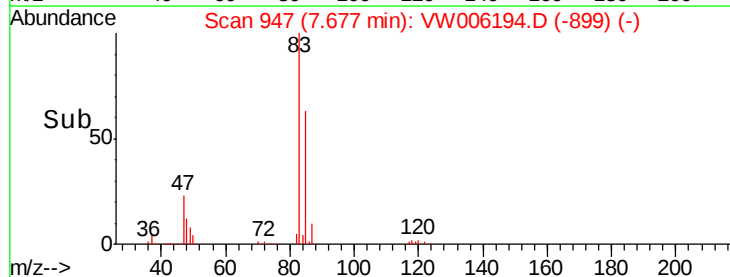
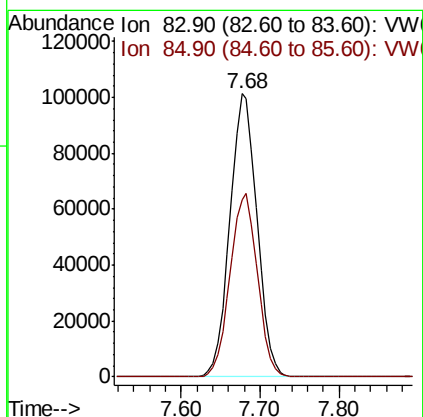
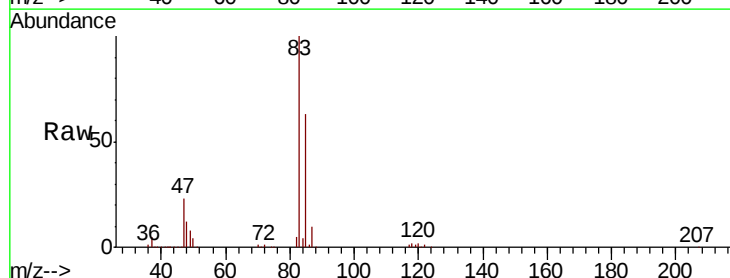
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

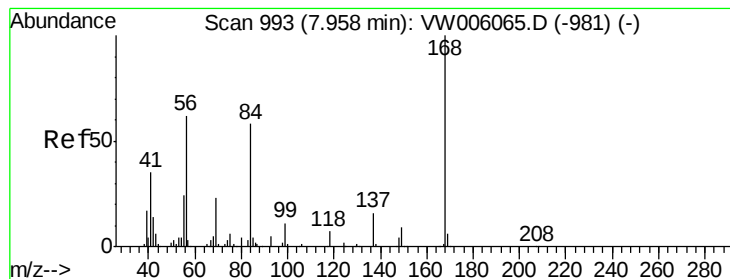
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.0	57.0
71	45.4	35.3	52.9



#30
Chloroform
Concen: 54.476 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.6	79.0





#31

Cvclohexane

Concen: 46.465 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

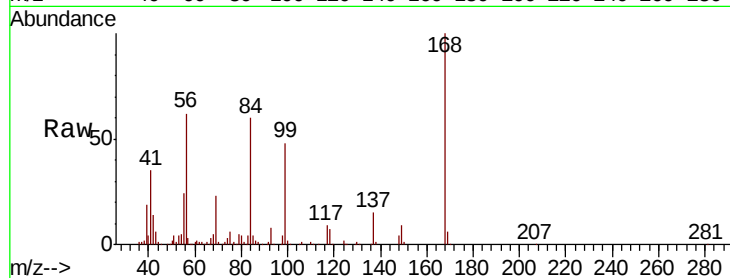
Tot Ion: 56 Resp: 189113

Ion Ratio Lower Upper

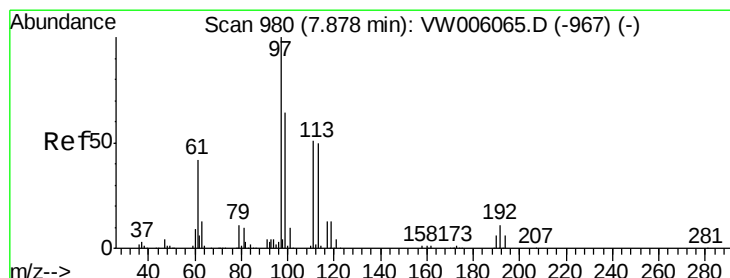
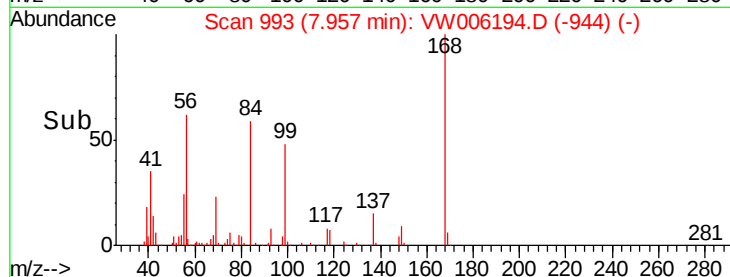
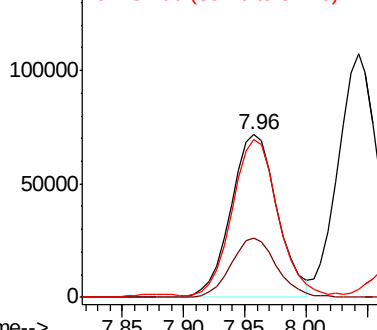
56 100

69 36.5 29.4 44.0

84 94.7 74.0 111.0



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: 52.494 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

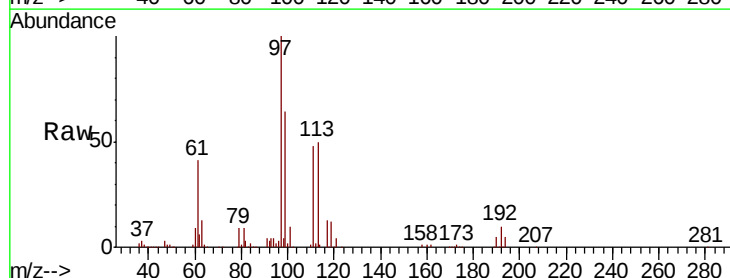
Tgt Ion: 97 Resp: 210847

Ion Ratio Lower Upper

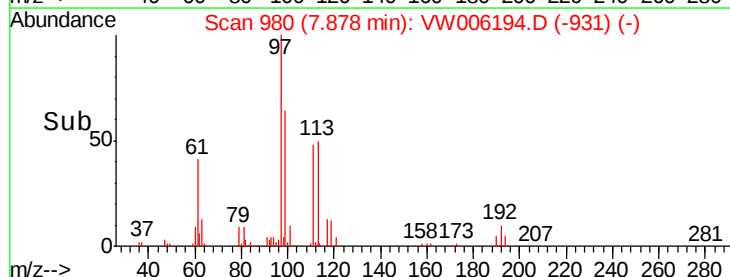
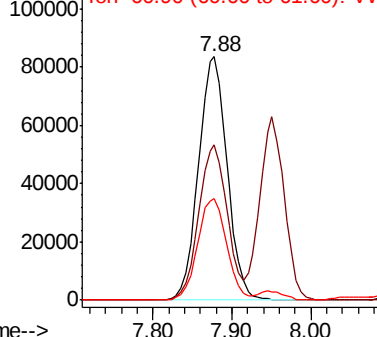
97 100

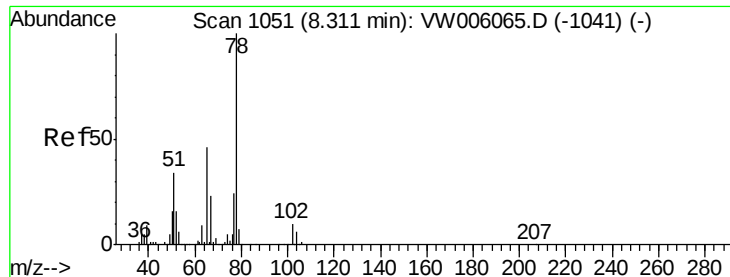
99 63.8 50.9 76.3

61 42.4 33.7 50.5



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: 50.501 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

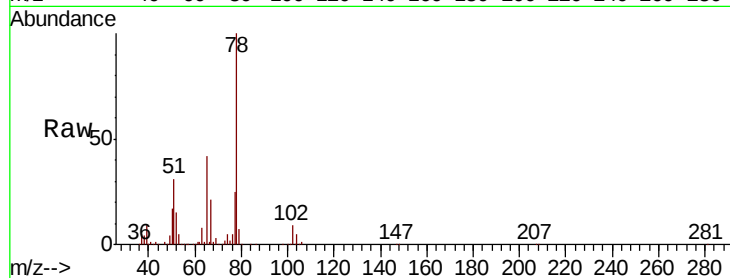
VSTDCCC050EC

Tot Ion: 65 Resp: 112325

Ion Ratio Lower Upper

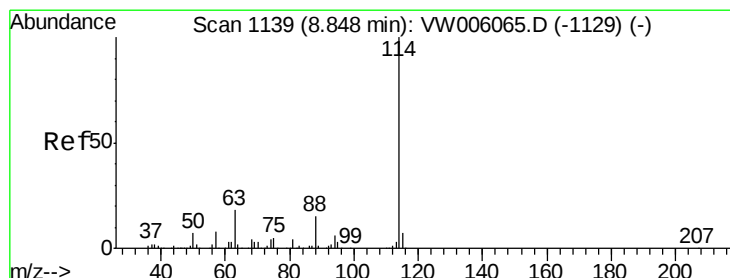
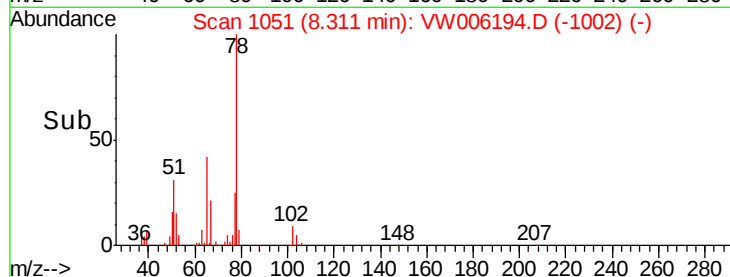
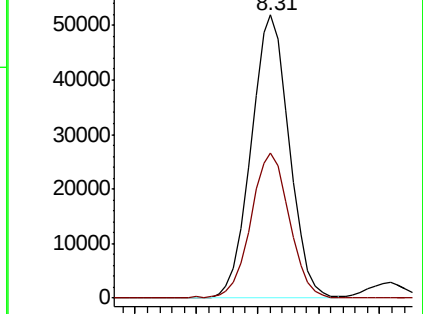
65 100

67 51.8 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

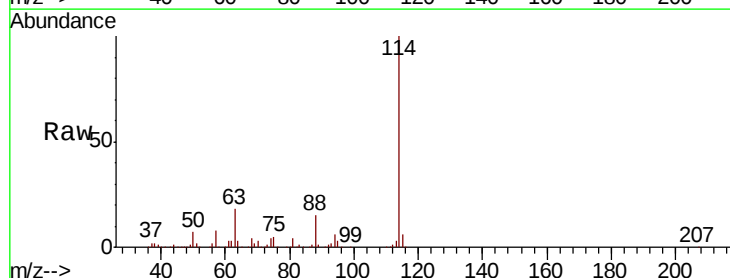
Tgt Ion: 114 Resp: 392333

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

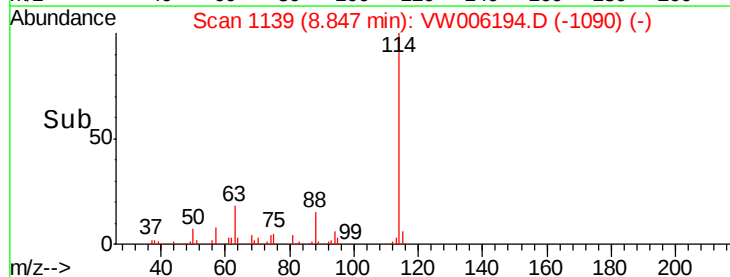
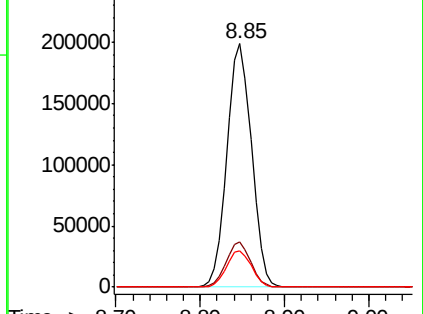
88 14.8 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

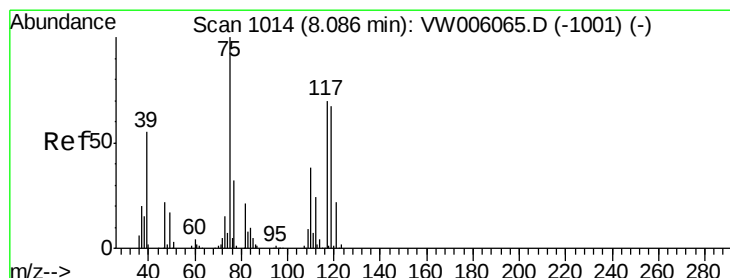
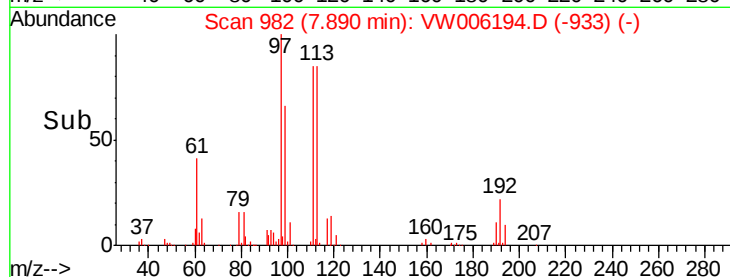
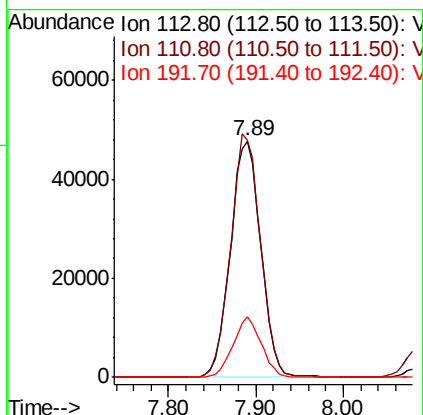
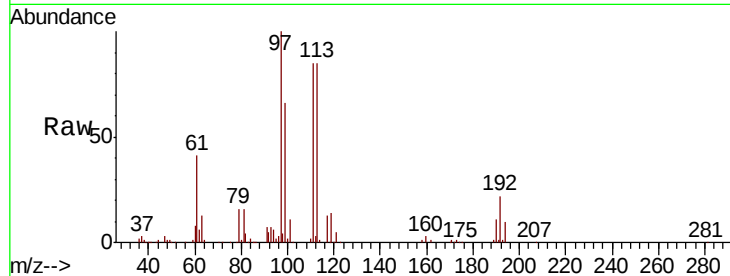




#35
 Dibromofluoromethane
 Concen: 49.659 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

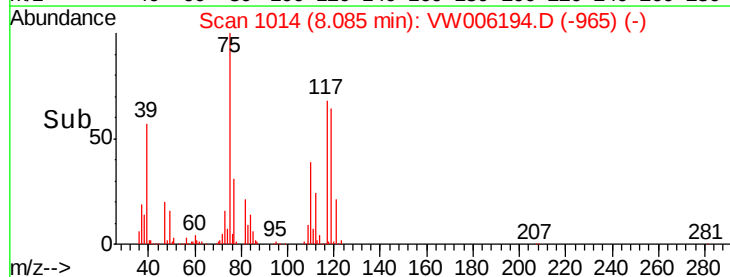
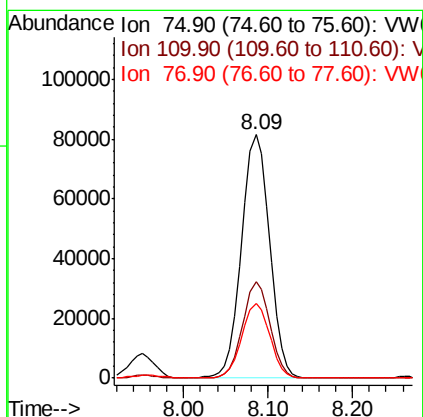
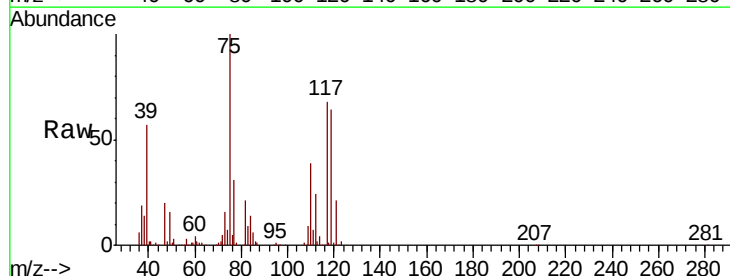
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

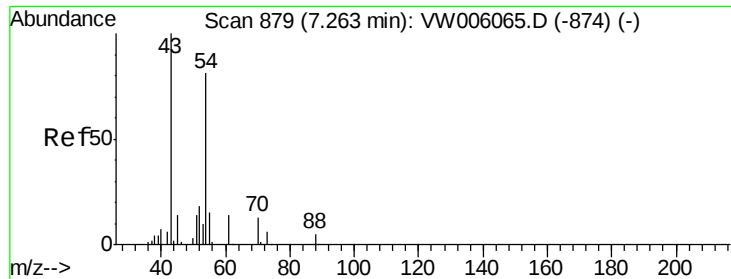
Tot Ion:113 Resp: 115124
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 23.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 50.772 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 75 Resp: 183601
 Ion Ratio Lower Upper
 75 100
 110 38.2 19.1 57.1
 77 30.8 25.0 37.4

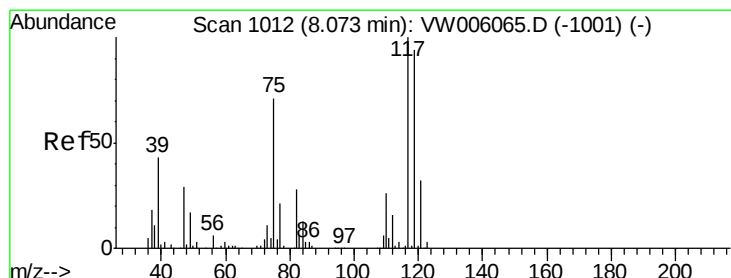
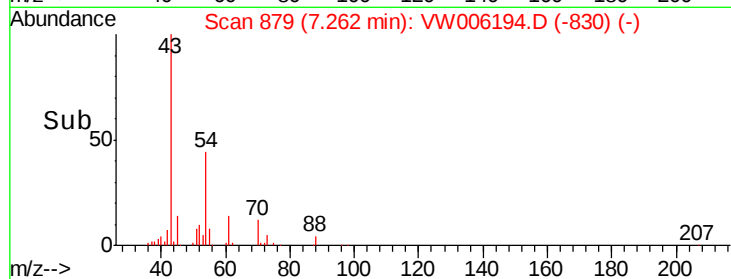
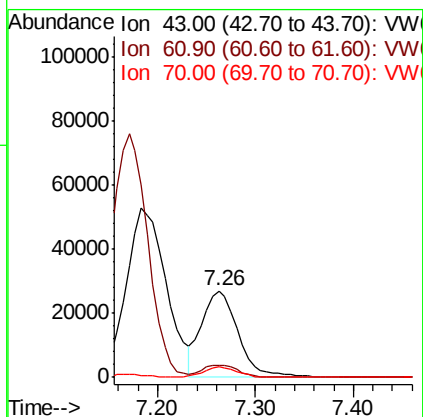
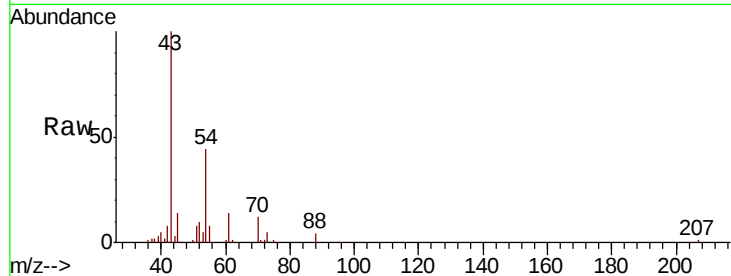




#37
Ethyl Acetate
Concen: 51.085 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

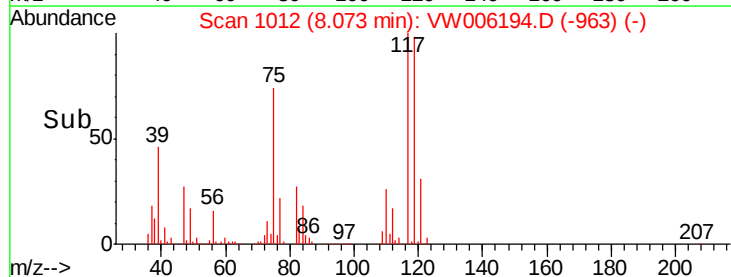
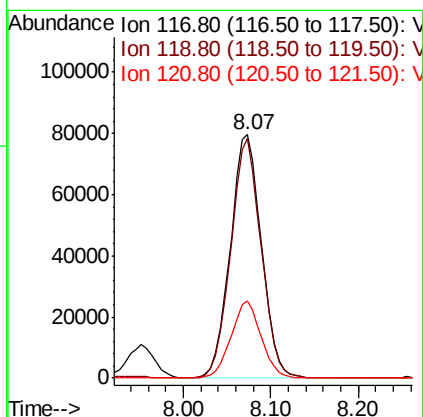
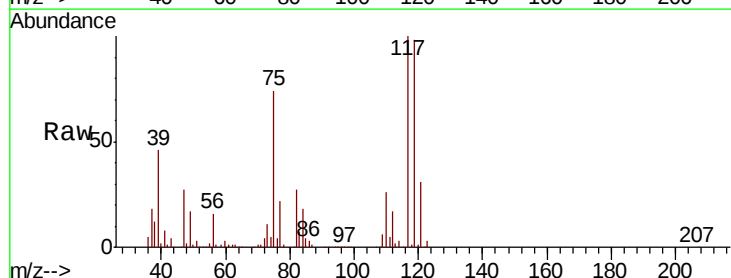
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

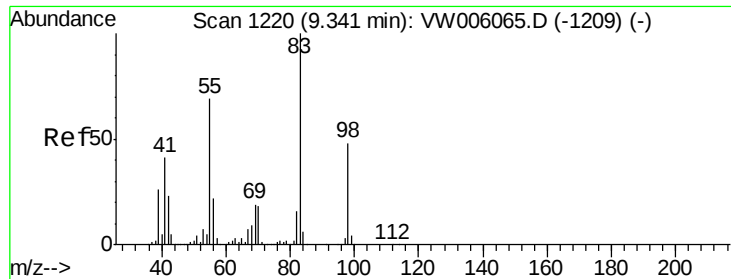
Tot Ion: 43 Resp: 68636
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 49.664 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion: 117 Resp: 196882
Ion Ratio Lower Upper
117 100
119 98.4 75.2 112.8
121 31.5 25.3 37.9

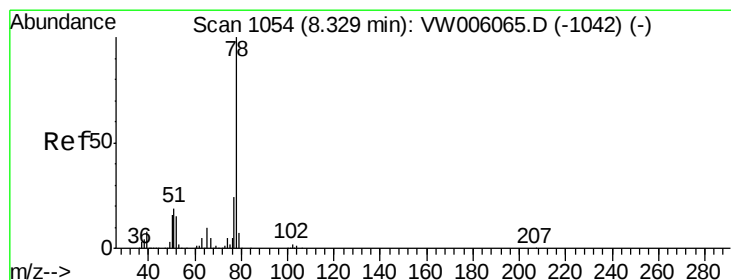
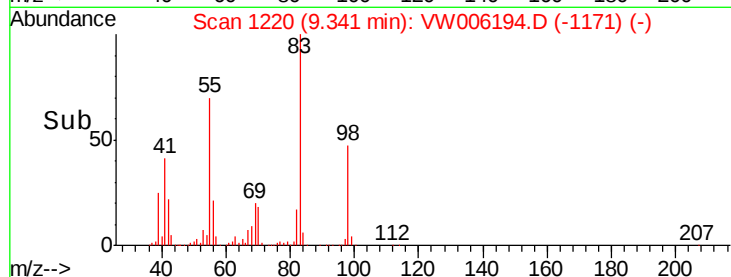
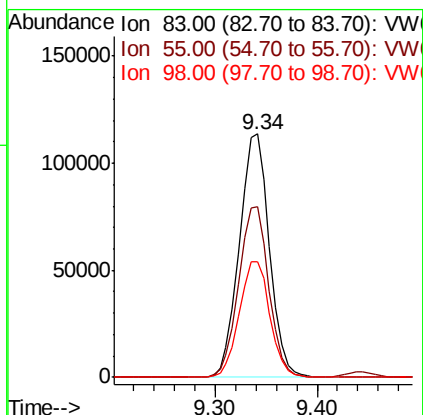
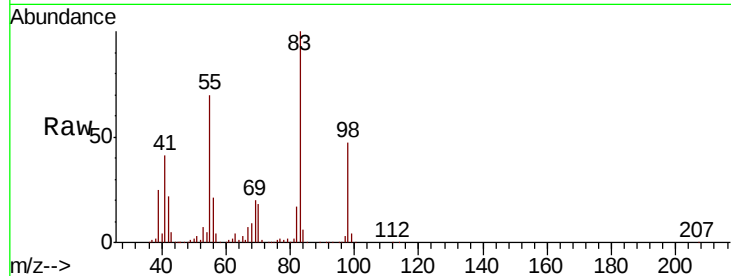




#39
Methvlcvclohexane
Concen: 48.354 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

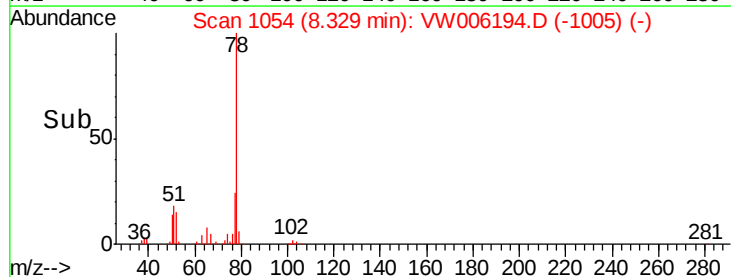
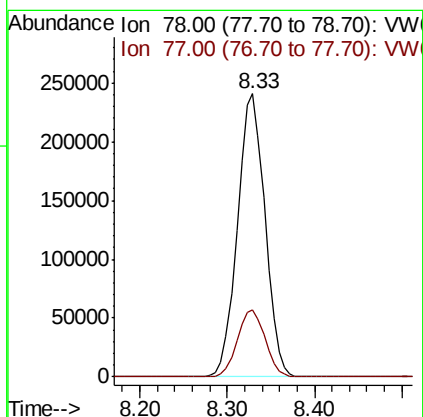
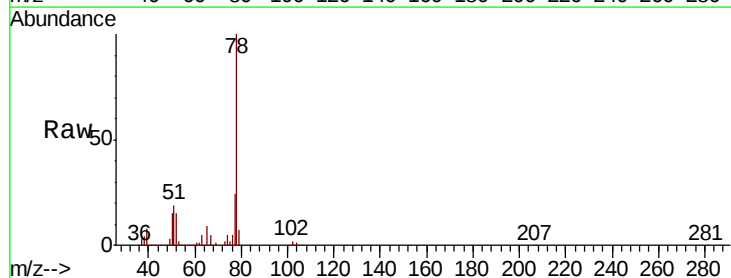
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

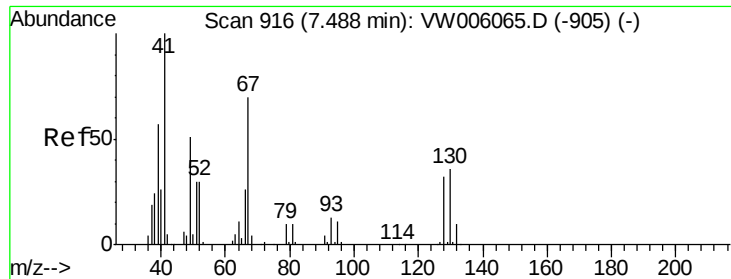
Tot Ion: 83 Resp: 232435
Ion Ratio Lower Upper
83 100
55 69.9 55.0 82.6
98 47.5 38.6 57.8



#40
Benzene
Concen: 53.037 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion: 78 Resp: 526100
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0





#41

Methacrylonitrile

Concen: 50.972 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 41285

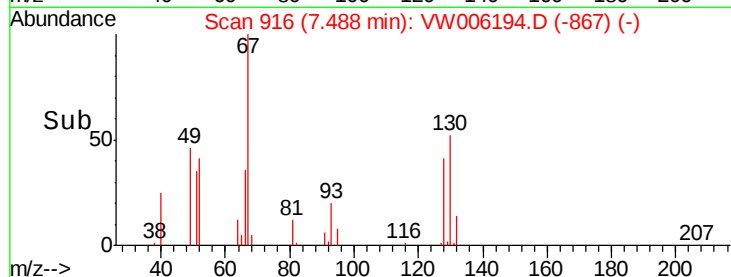
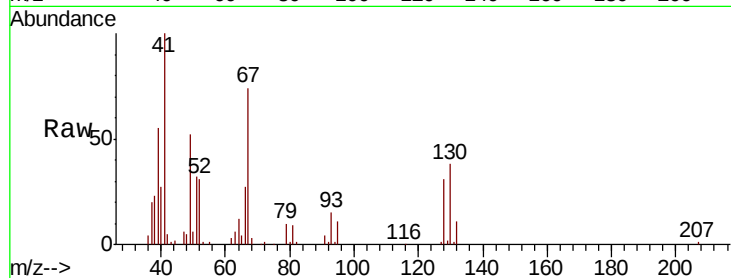
Ion Ratio Lower Upper

41 100

39 56.3 46.2 69.4

67 77.6 57.7 86.5

52 32.6 24.7 37.1

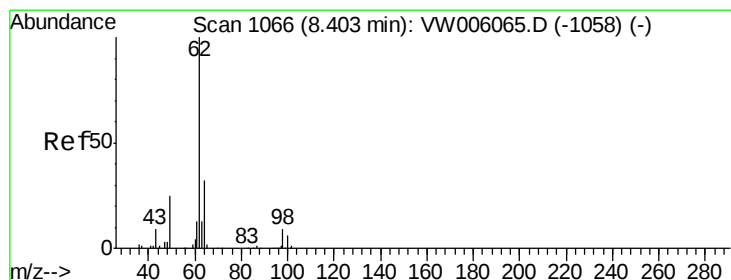
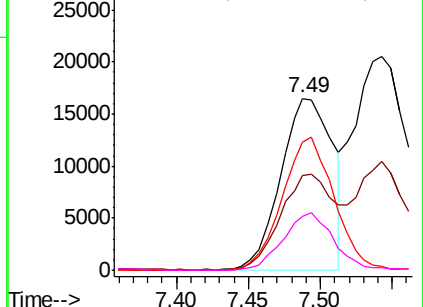


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 53.551 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW006194.D

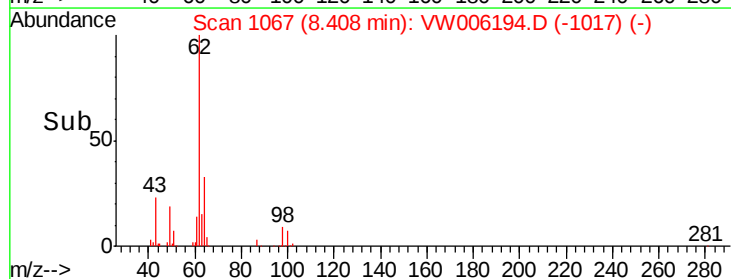
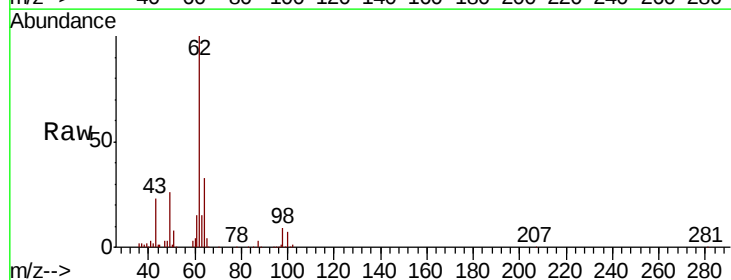
Acq: 18 Oct 2018 23:37

Tgt Ion: 62 Resp: 156066

Ion Ratio Lower Upper

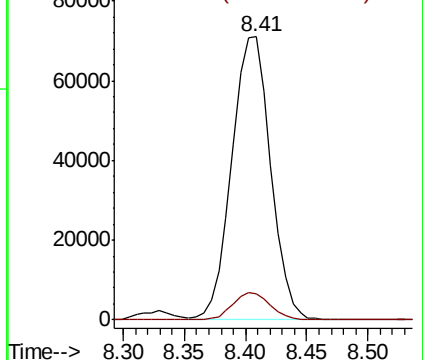
62 100

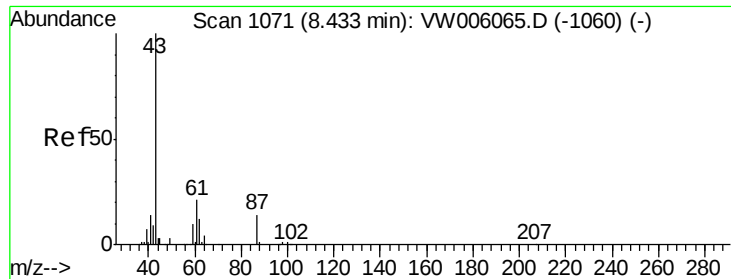
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.807 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

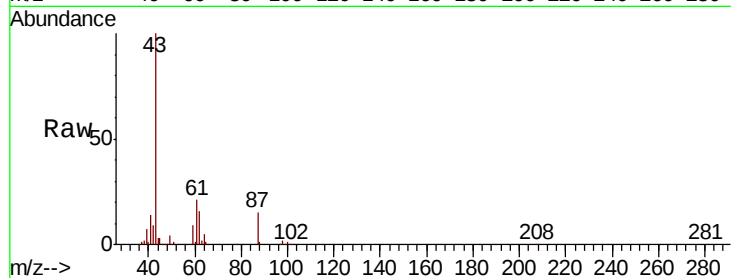
Tot Ion: 43 Resp: 139571

Ion Ratio Lower Upper

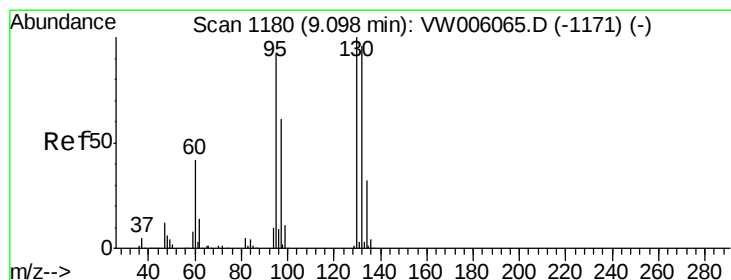
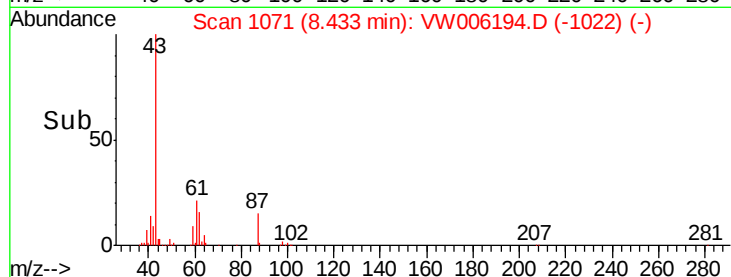
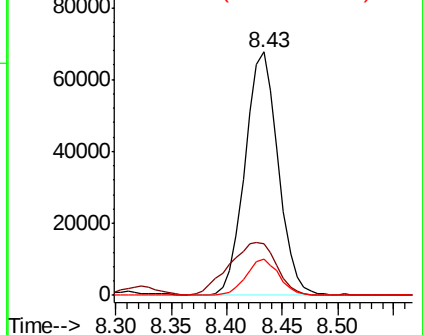
43 100

61 31.2 25.5 38.3

87 14.8 11.7 17.5



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



#44

Trichloroethene

Concen: 52.440 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006194.D

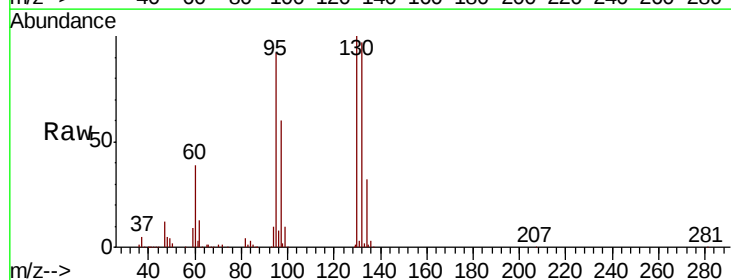
Acq: 18 Oct 2018 23:37

Tgt Ion:130 Resp: 159592

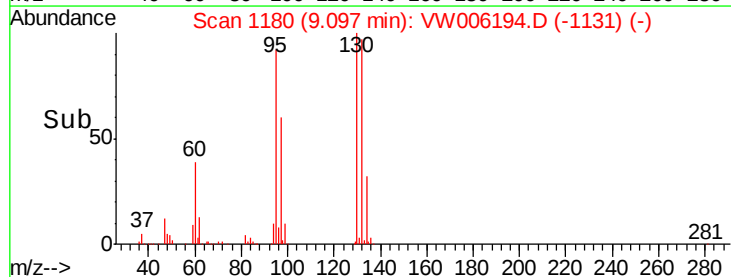
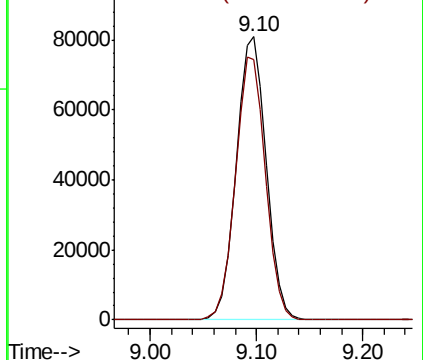
Ion Ratio Lower Upper

130 100

95 92.0 0.0 183.2



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

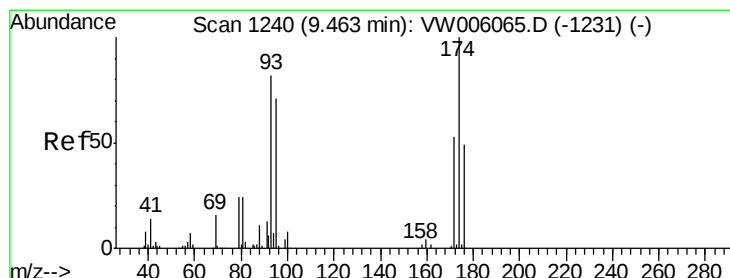
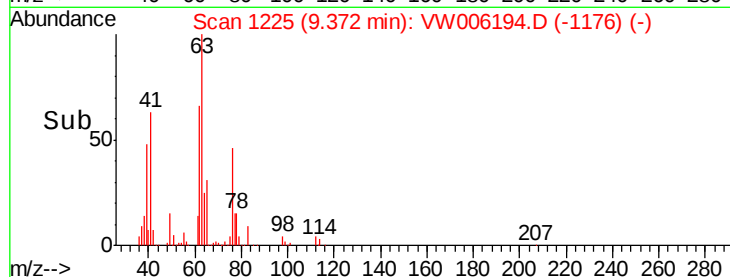
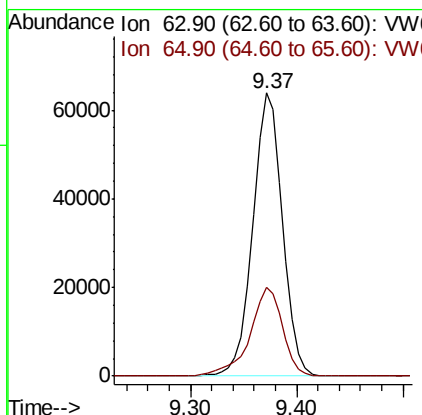
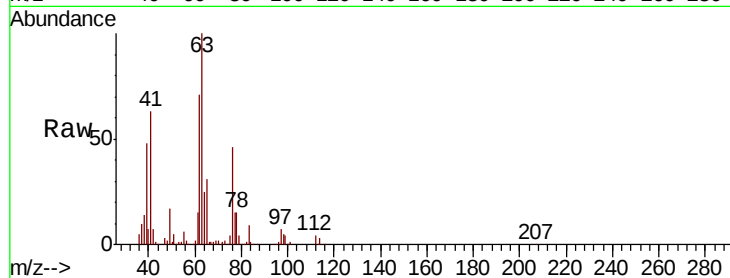




#45
 1,2-Dichloropropane
 Concen: 52.577 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

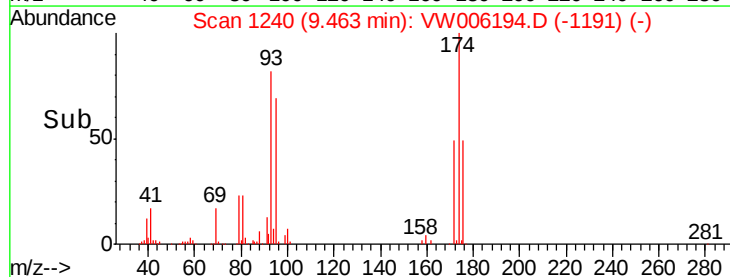
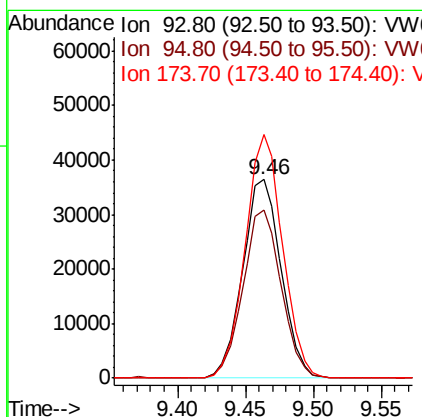
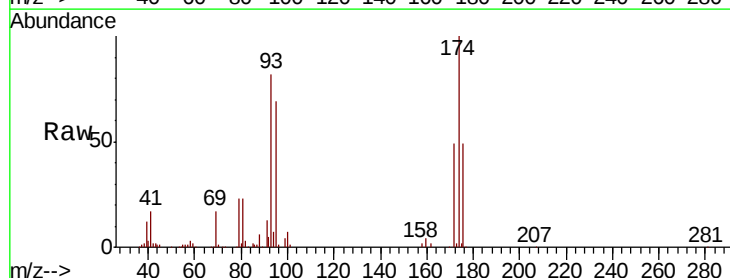
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 124801
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.4 38.0



#46
 Dibromomethane
 Concen: 53.300 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 93 Resp: 72108
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.7 101.5
 174 119.3 93.7 140.5





#47

Bromodichloromethane

Concen: 52.305 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

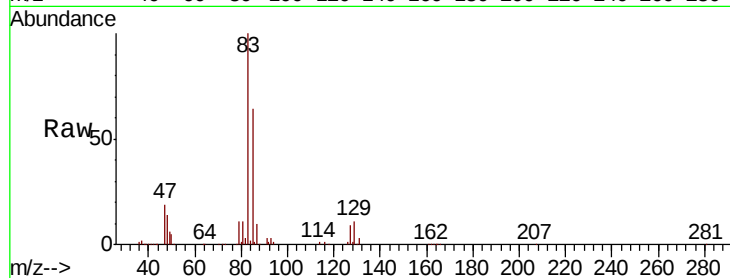
Tot Ion: 83 Resp: 171562

Ion Ratio Lower Upper

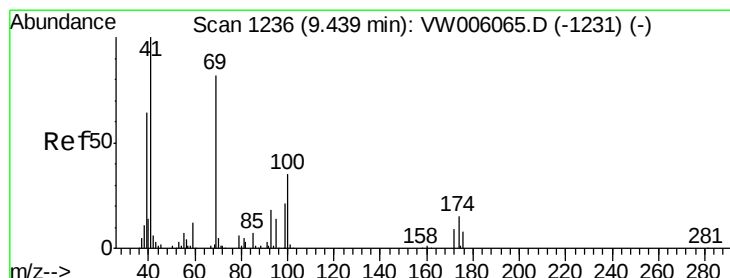
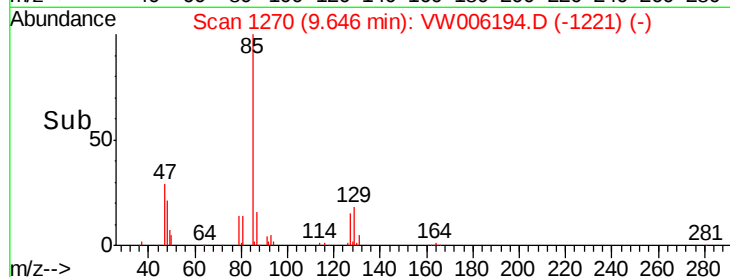
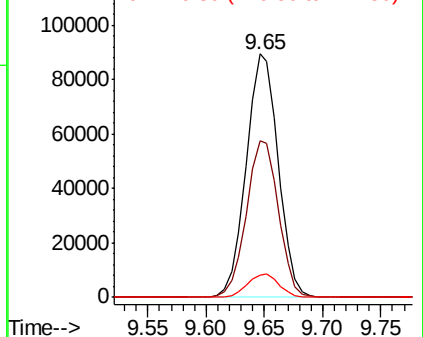
83 100

85 64.5 51.8 77.8

127 9.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.052 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

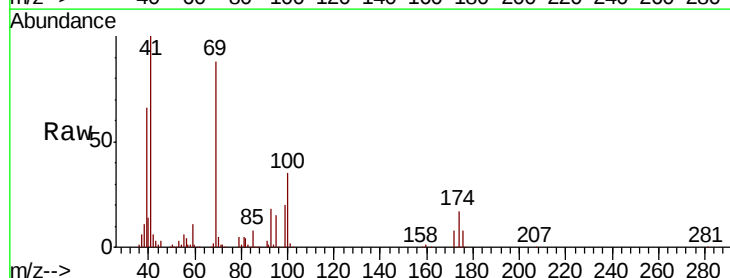
Tgt Ion: 41 Resp: 67780

Ion Ratio Lower Upper

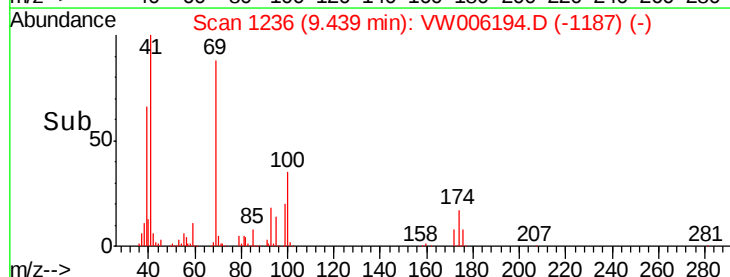
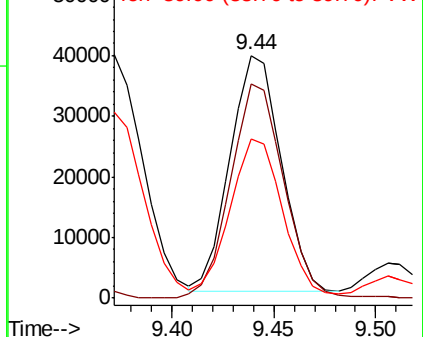
41 100

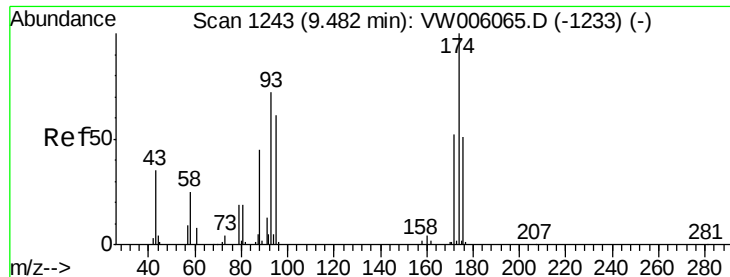
69 95.1 71.8 107.8

39 70.3 52.5 78.7



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





#49

1,4-Dioxane

Concen: 1116.714 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

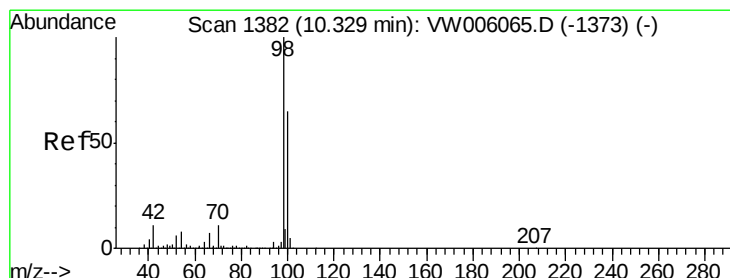
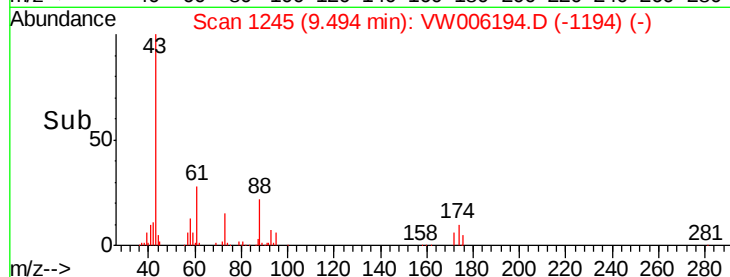
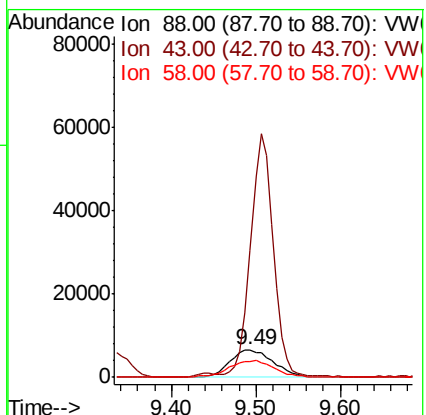
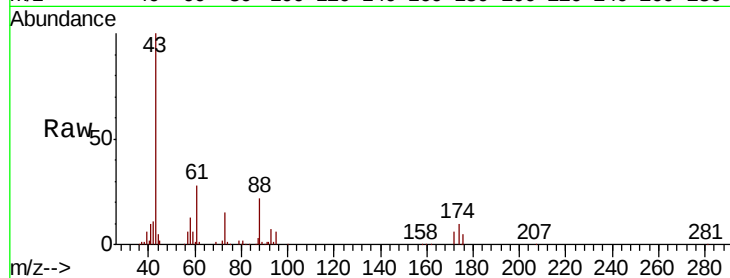
Tot Ion: 88 Resp: 23258

Ion Ratio Lower Upper

88 100

43 457.0 0.0 0.0#

58 64.0 51.2 76.8



#50

Toluene-d8

Concen: 48.682 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006194.D

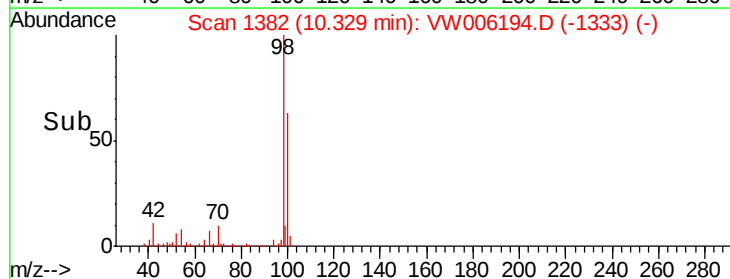
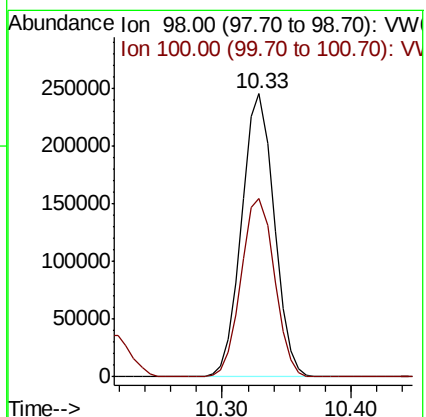
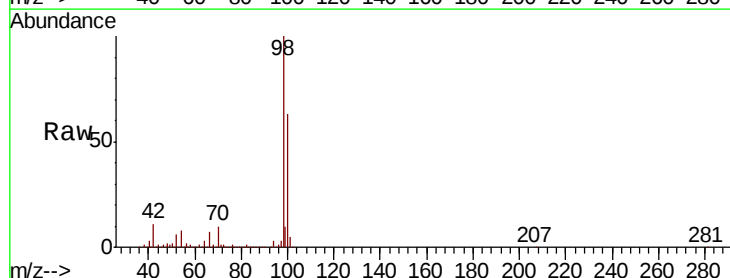
Acq: 18 Oct 2018 23:37

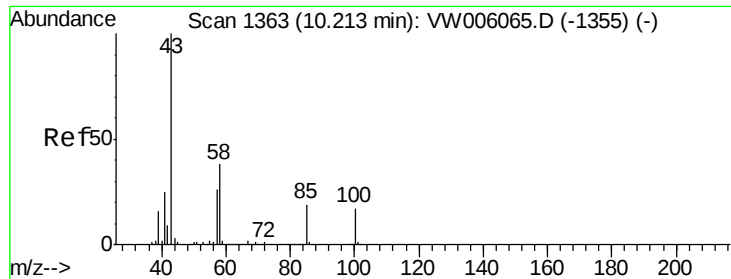
Tgt Ion: 98 Resp: 429375

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 255.124 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

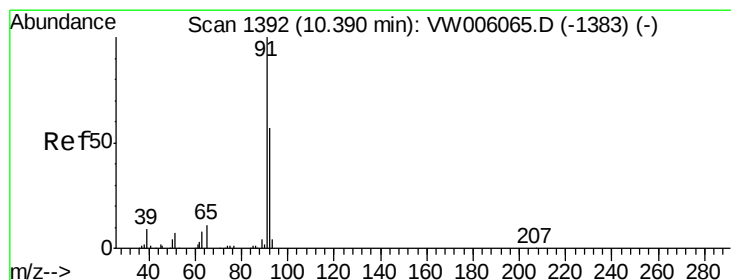
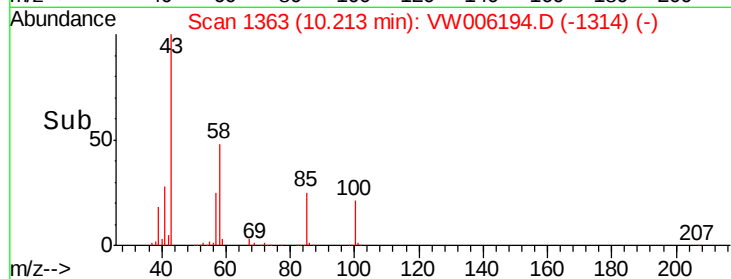
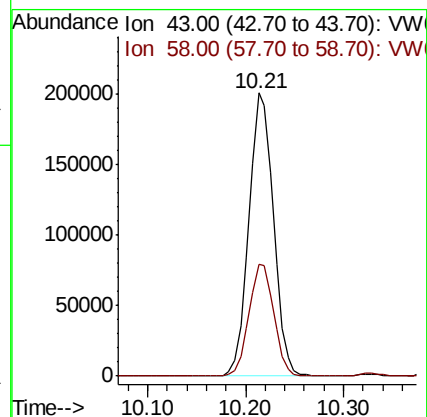
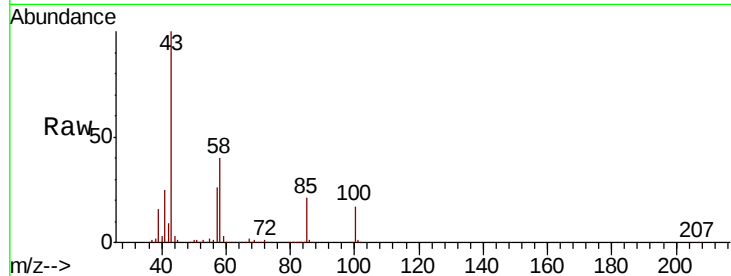
VSTDCCC050EC

Tot Ion: 43 Resp: 351154

Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3



#52

Toluene

Concen: 52.845 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006194.D

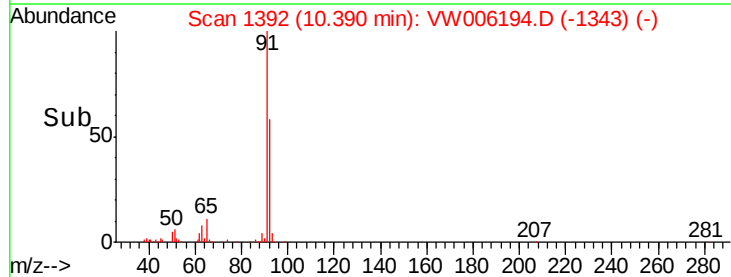
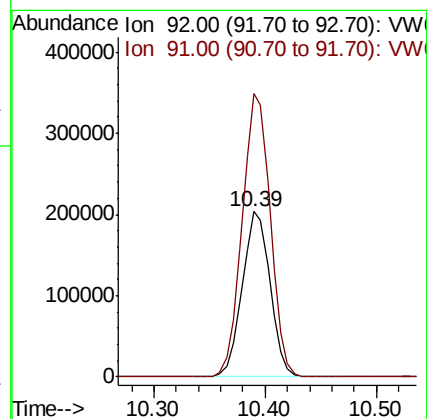
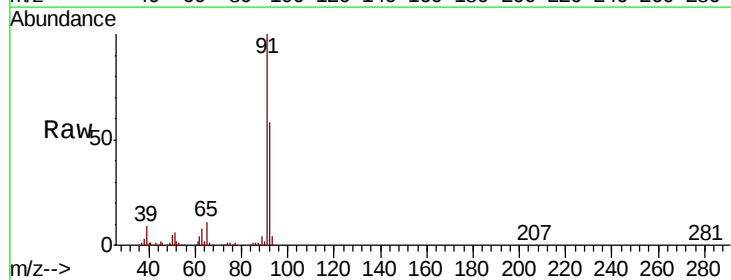
Acq: 18 Oct 2018 23:37

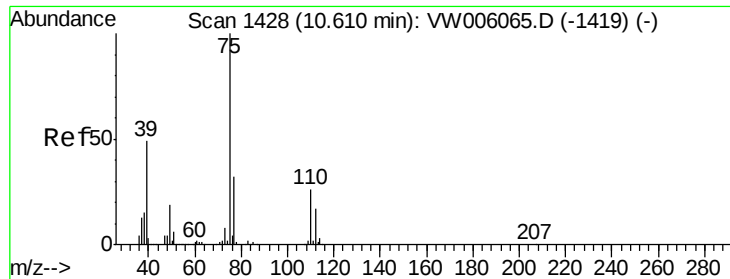
Tgt Ion: 92 Resp: 351435

Ion Ratio Lower Upper

92 100

91 173.5 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 51.215 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

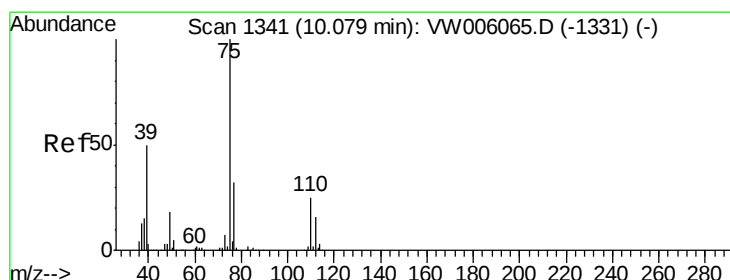
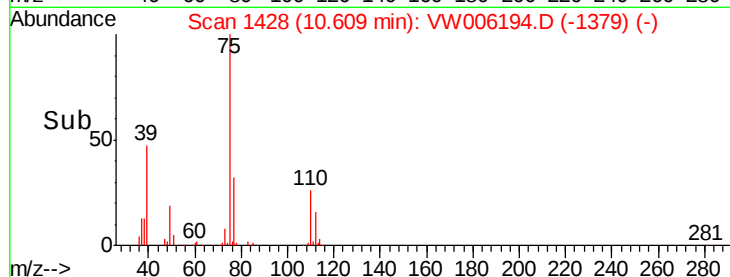
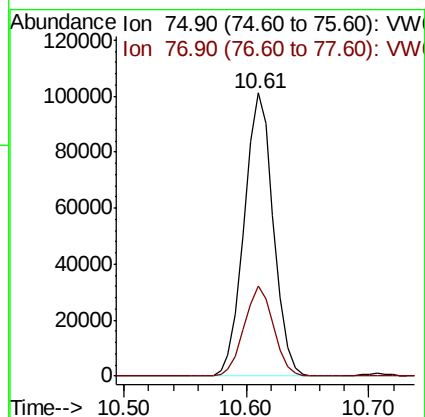
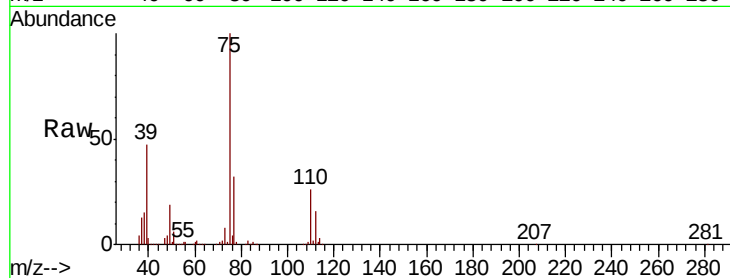
VSTDCCC050EC

Tot Ion: 75 Resp: 167367

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 51.782 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

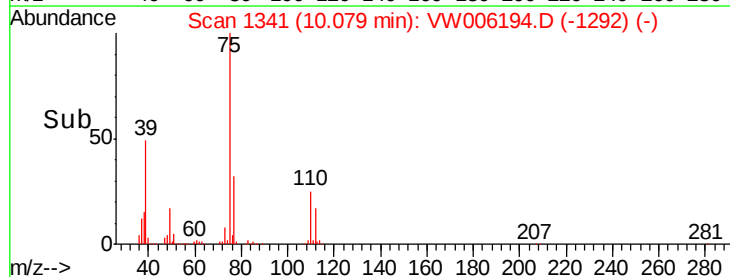
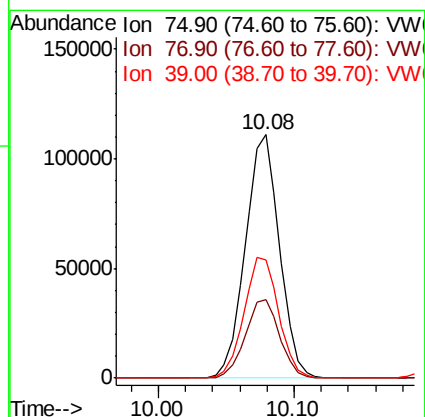
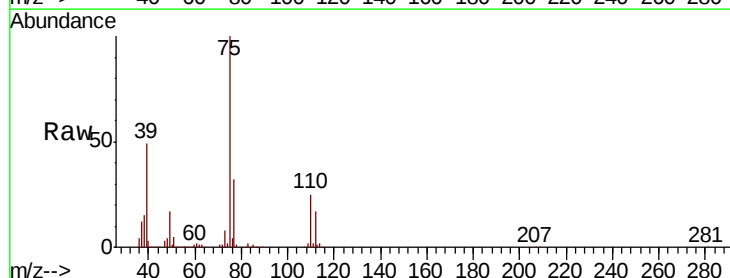
Tgt Ion: 75 Resp: 194212

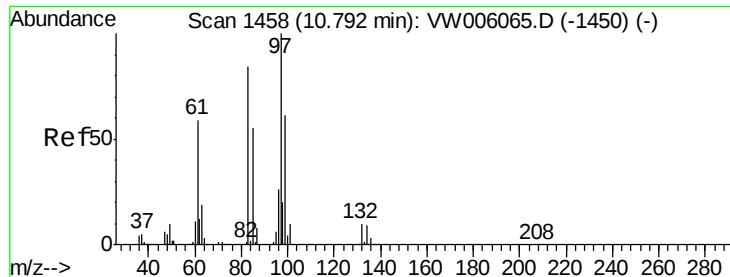
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 48.7 39.9 59.9

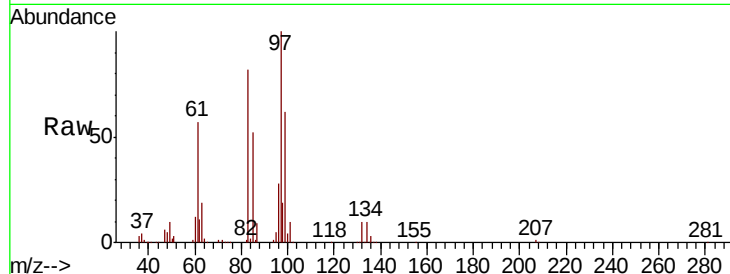




#55
 1,1,2-Trichloroethane
 Concen: 54.005 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.2	100.8
85	51.9	43.7	65.5
99	62.2	48.5	72.7



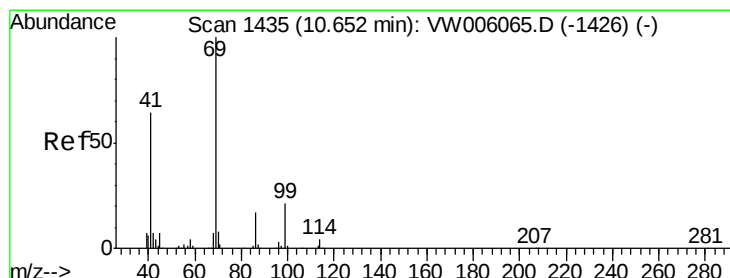
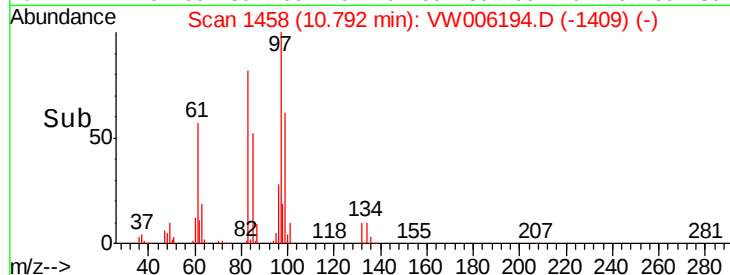
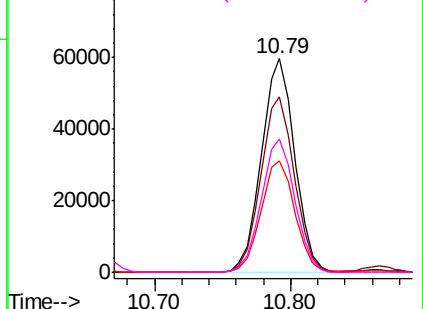
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

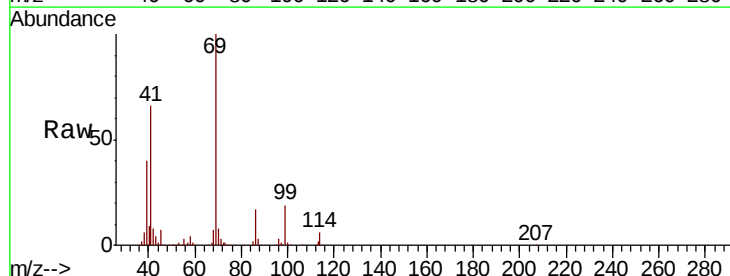
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 52.881 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.8	79.2
39	36.6	30.6	45.8

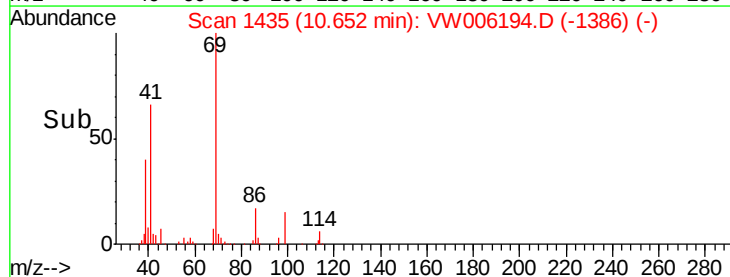
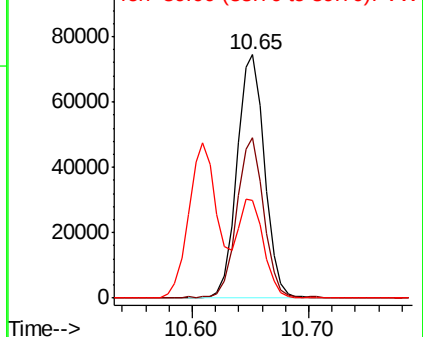


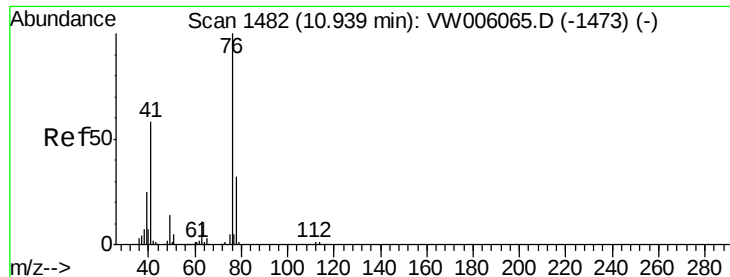
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

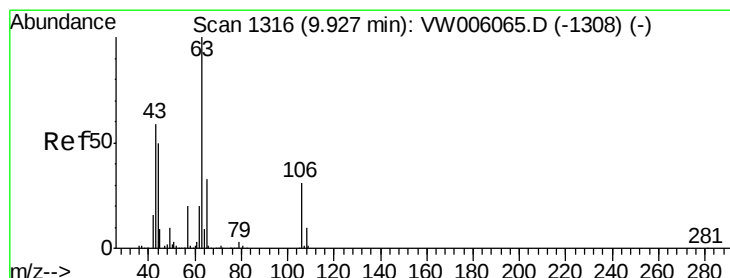
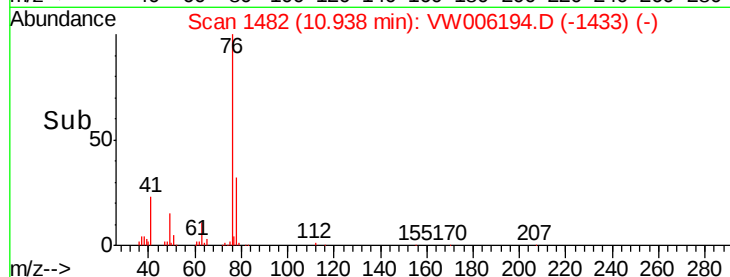
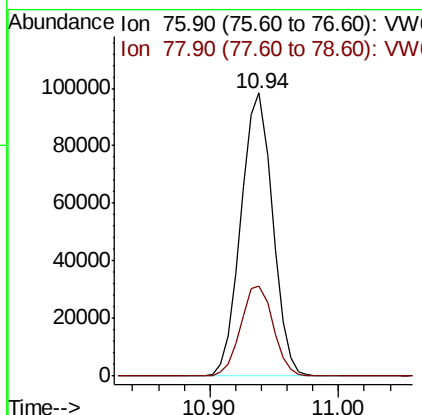
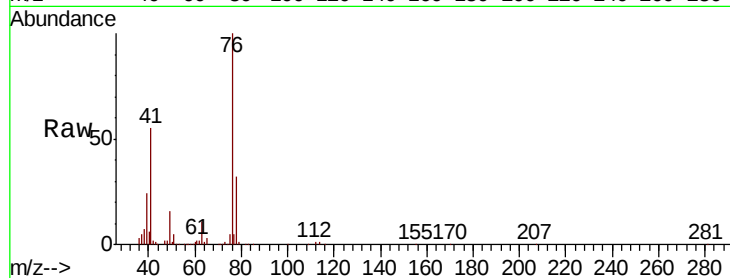




#57
 1,3-Dichloropropane
 Concen: 53.431 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

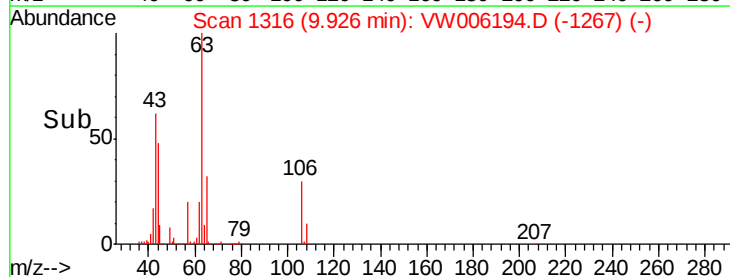
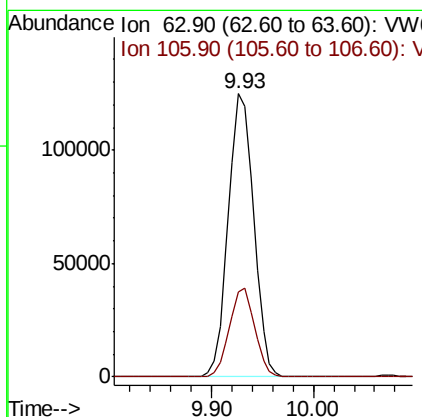
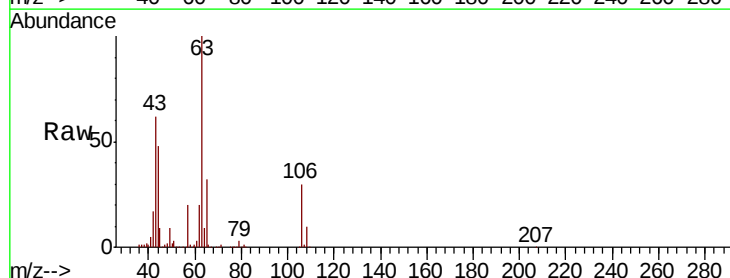
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

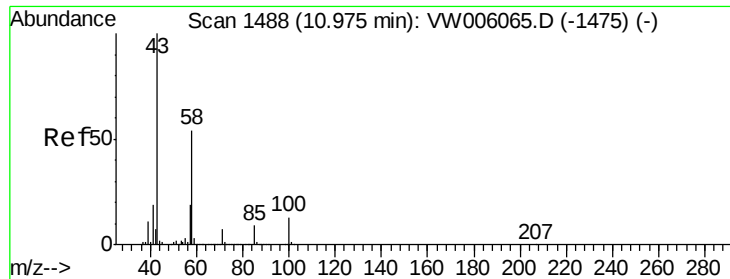
Tot Ion: 76 Resp: 167455
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.872 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 63 Resp: 215391
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.5 36.7

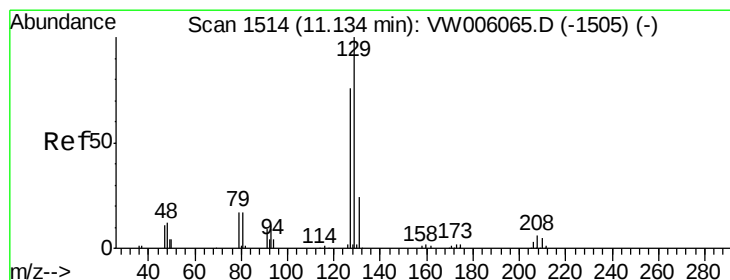
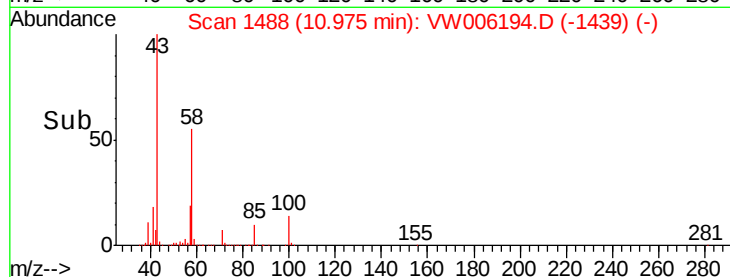
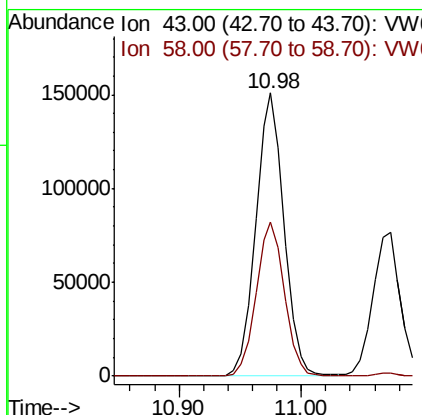
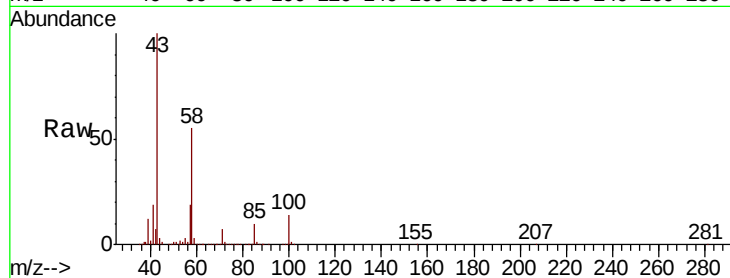




#59
2-Hexanone
Concen: 245.785 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

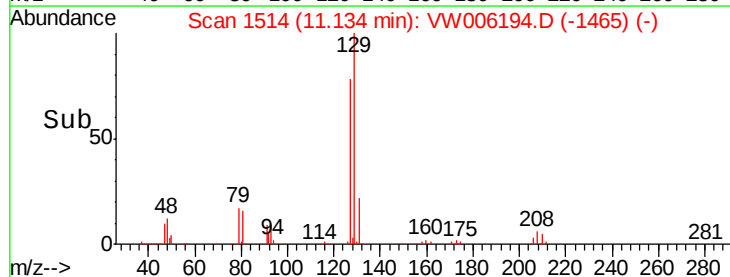
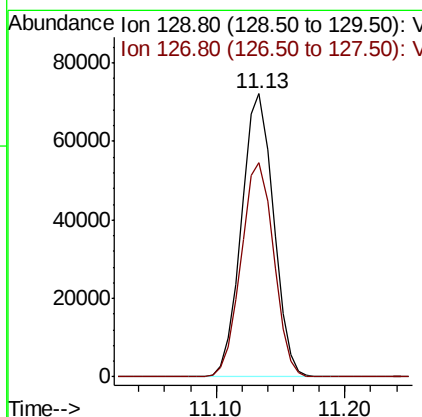
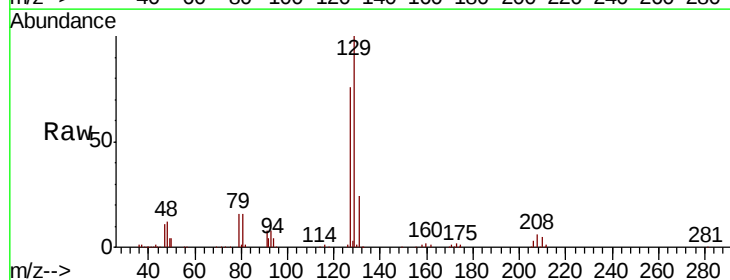
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

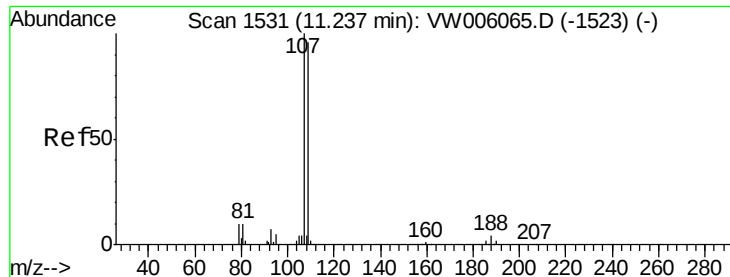
Tot Ion: 43 Resp: 241490
Ion Ratio Lower Upper
43 100
58 54.8 26.9 80.6



#60
Dibromochloromethane
Concen: 52.694 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion: 129 Resp: 124262
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 53.752 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

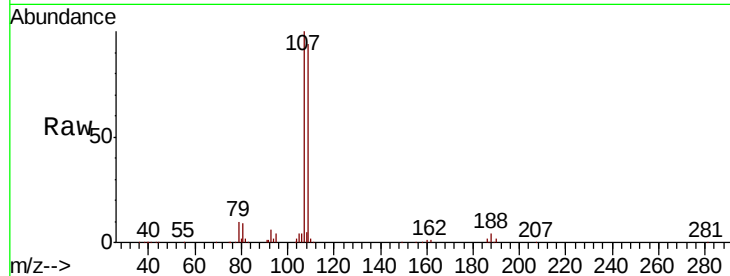
VSTDCCC050EC

Tot Ion:107 Resp: 101681

Ion Ratio Lower Upper

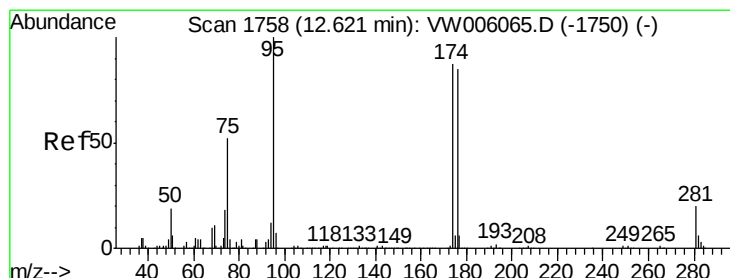
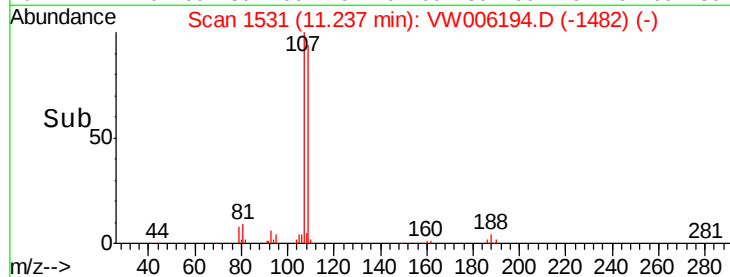
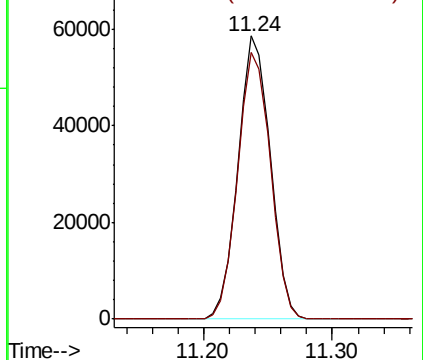
107 100

109 95.5 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.869 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

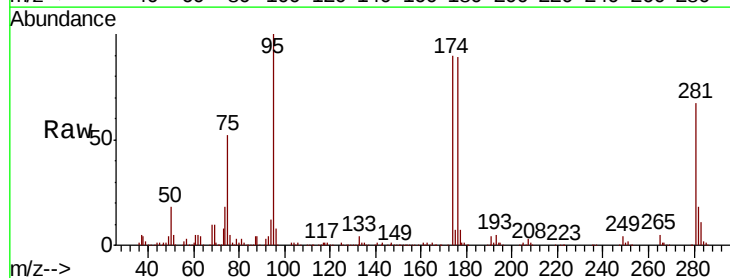
Tgt Ion: 95 Resp: 165197

Ion Ratio Lower Upper

95 100

174 93.6 0.0 186.0

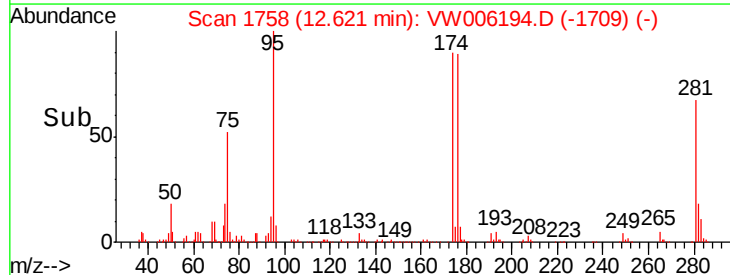
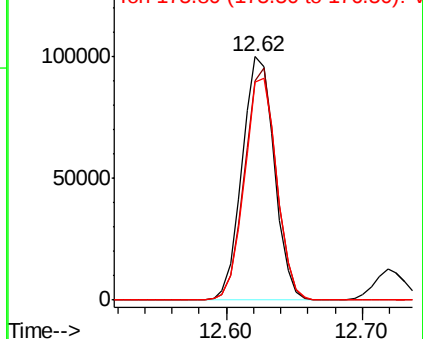
176 91.6 0.0 181.6

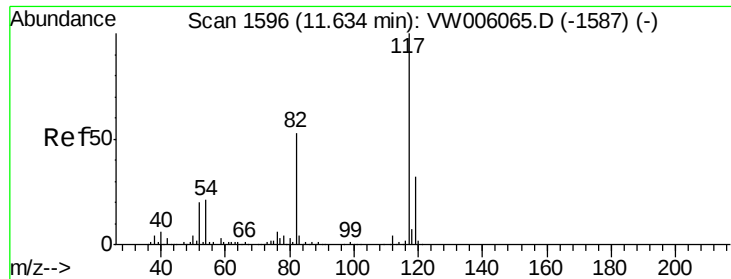


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

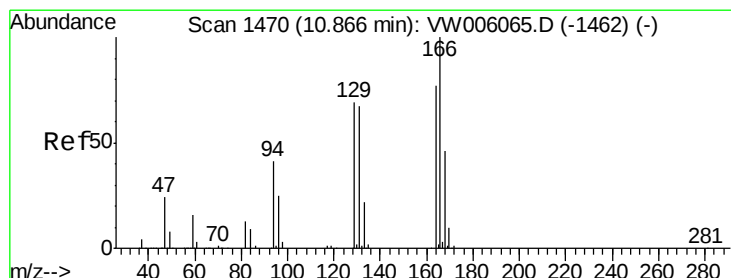
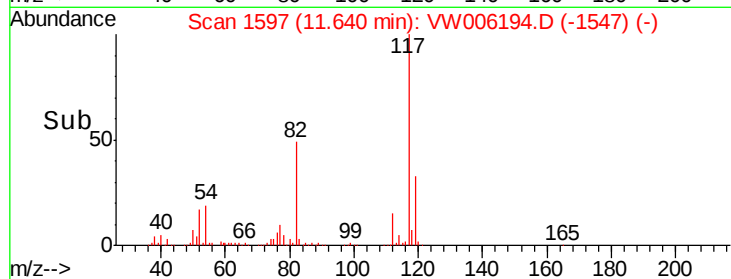
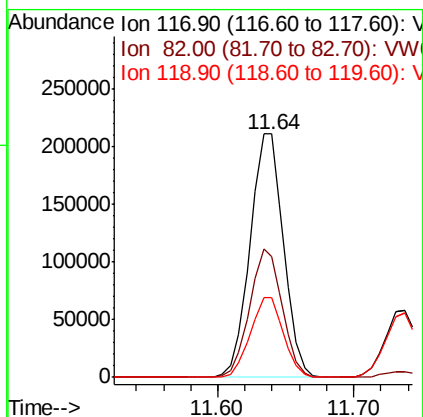
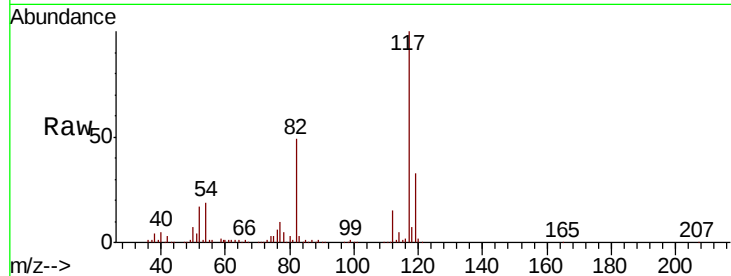




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

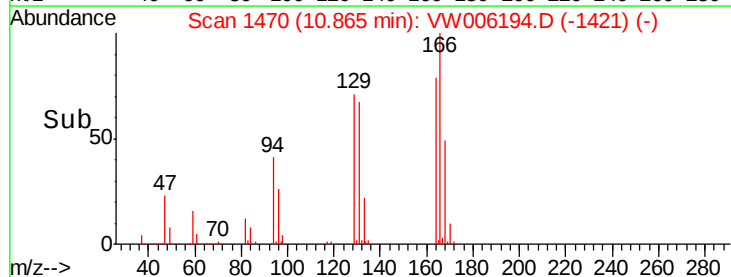
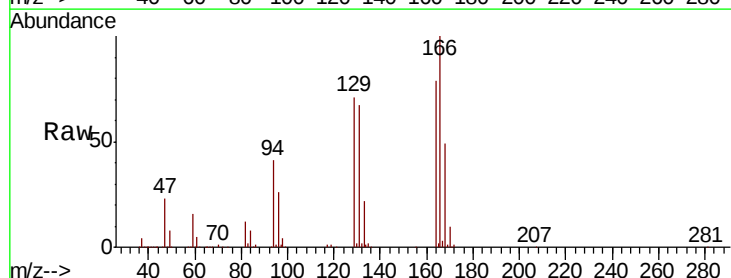
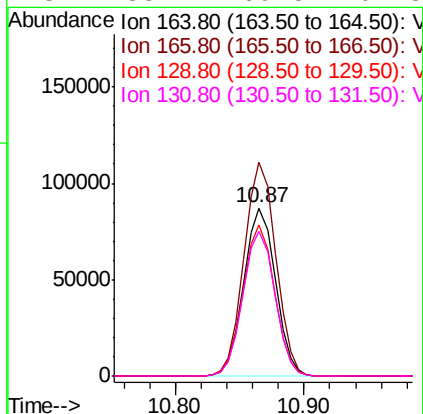
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

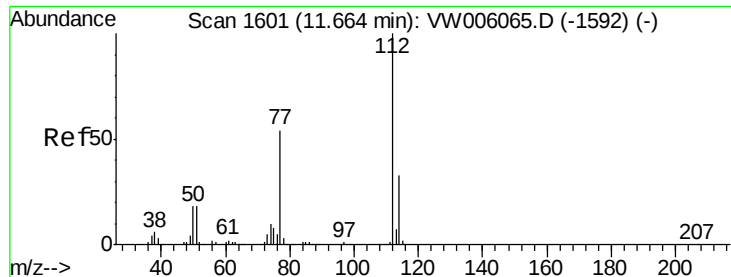
Tot Ion:117 Resp: 363765
Ion Ratio Lower Upper
117 100
82 49.4 42.1 63.1
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 52.552 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion:164 Resp: 148402
Ion Ratio Lower Upper
164 100
166 127.1 103.4 155.0
129 89.6 71.8 107.8
131 85.7 69.5 104.3

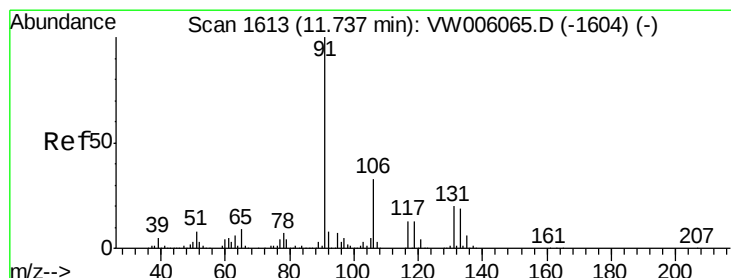
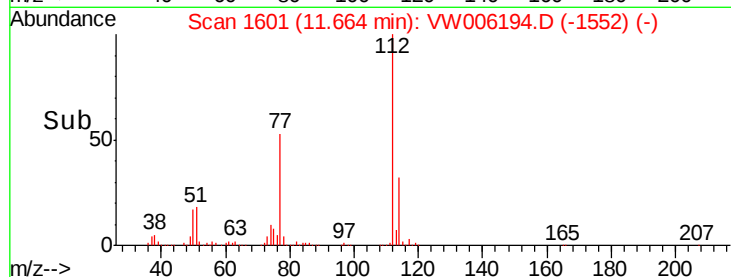
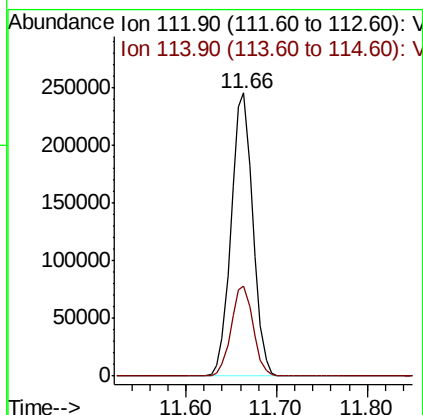
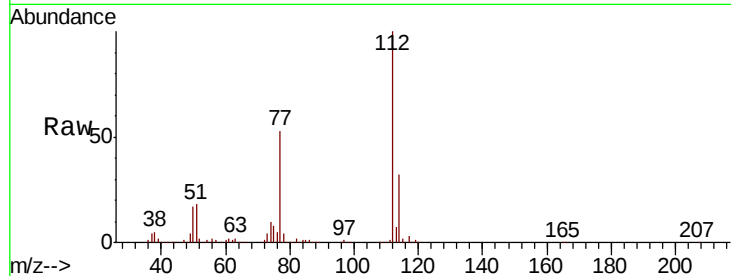




#65
Chlorobenzene
Concen: 52.697 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

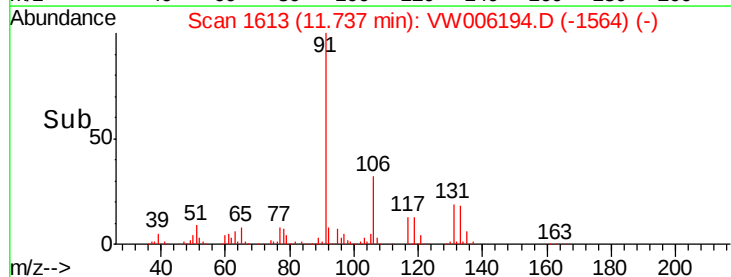
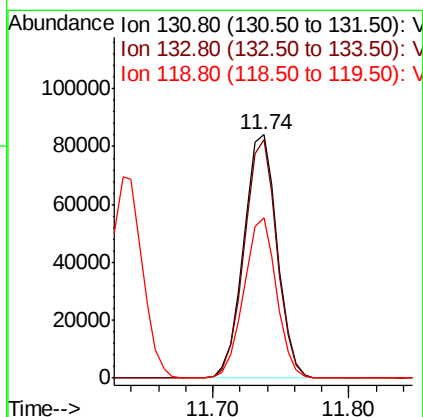
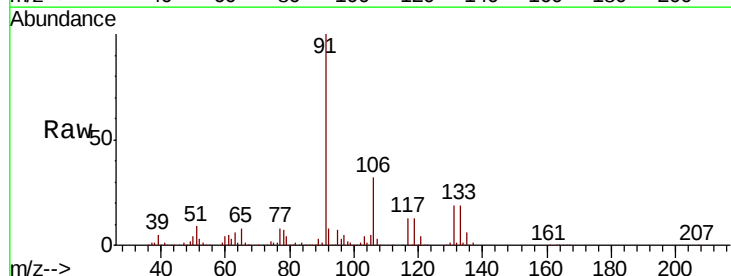
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

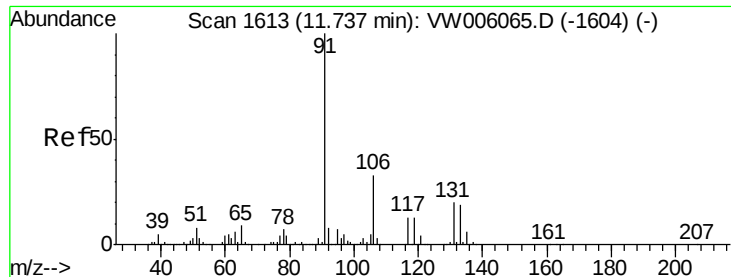
Tot Ion:112 Resp: 410357
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.437 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion:131 Resp: 145113
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.3
119 64.1 31.6 94.7

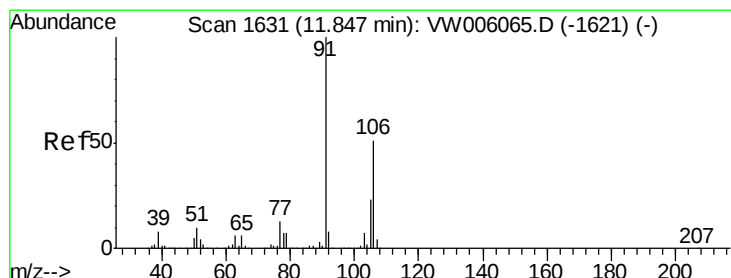
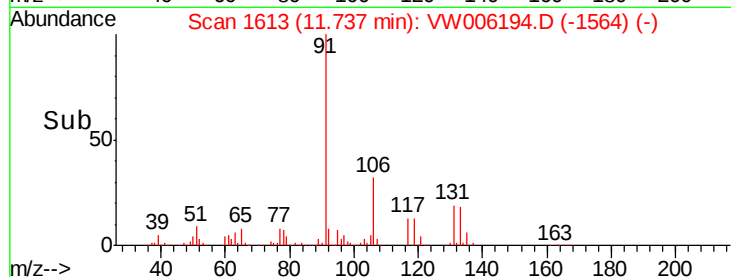
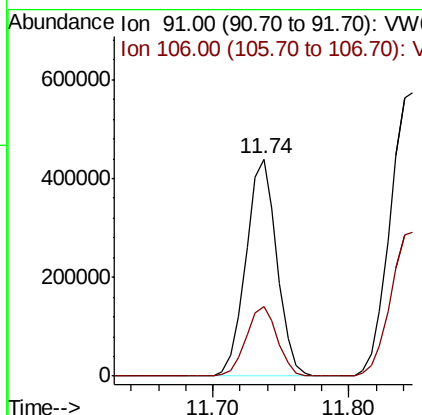
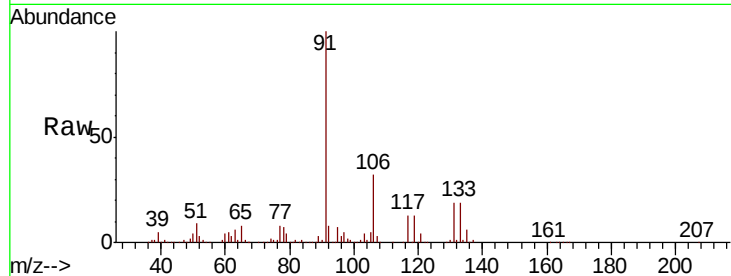




#67
Ethyl Benzene
Concen: 51.807 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

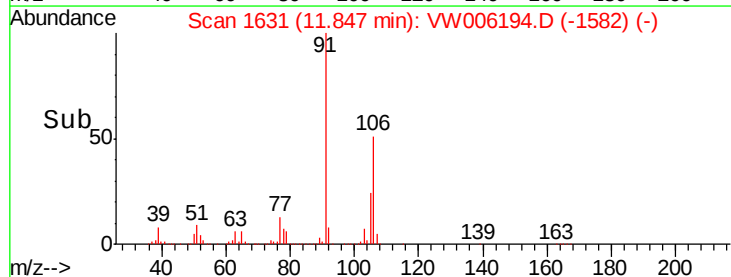
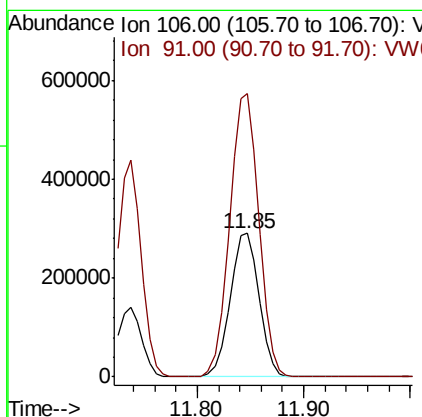
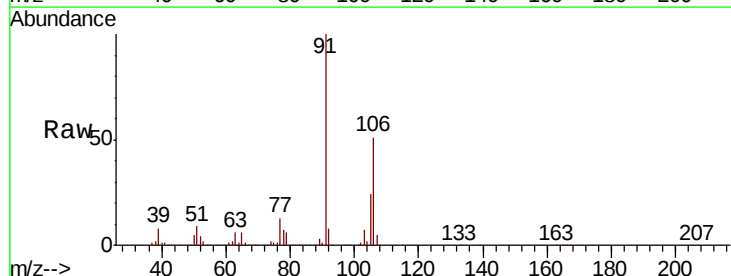
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 699158
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1



#68
m/p-Xylenes
Concen: 103.560 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion: 106 Resp: 552396
Ion Ratio Lower Upper
106 100
91 198.2 159.1 238.7

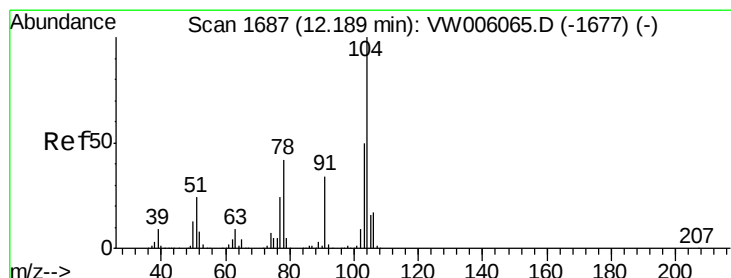
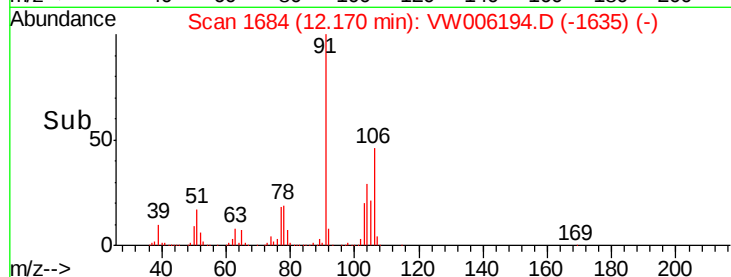
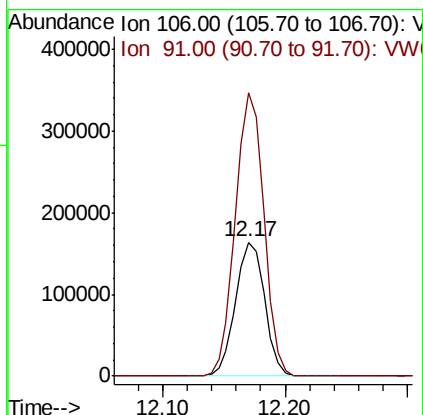
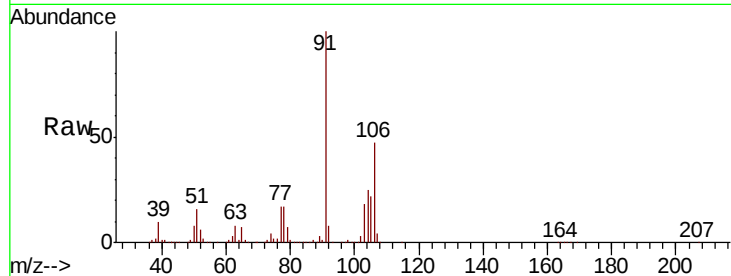




#69
o-Xylene
Concen: 52.876 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

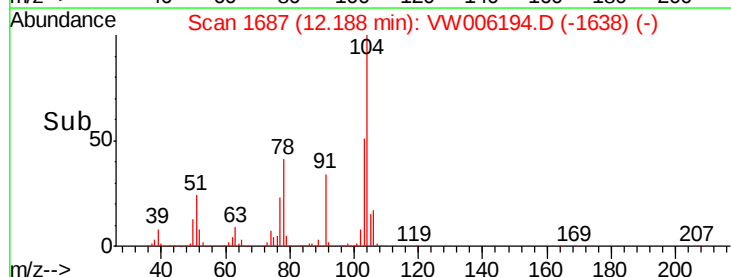
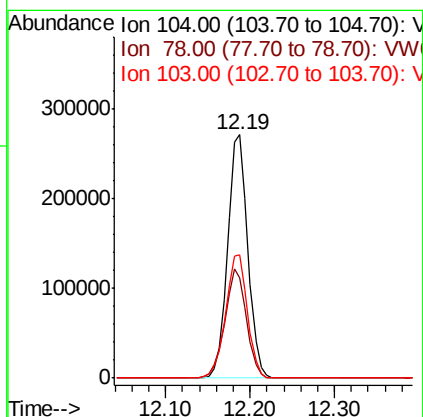
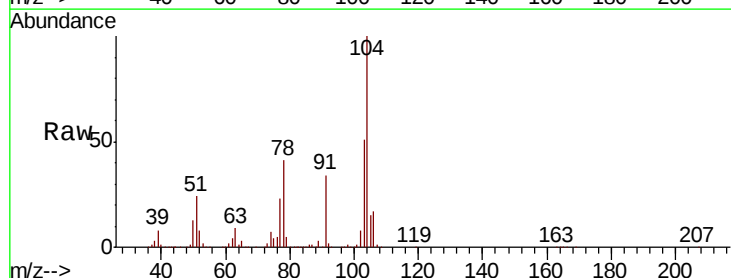
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 268798
Ion Ratio Lower Upper
106 100
91 208.6 105.4 316.1



#70
Styrene
Concen: 53.504 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion:104 Resp: 442290
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.0 44.3 66.5





#71

Bromoform

Concen: 48.972 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

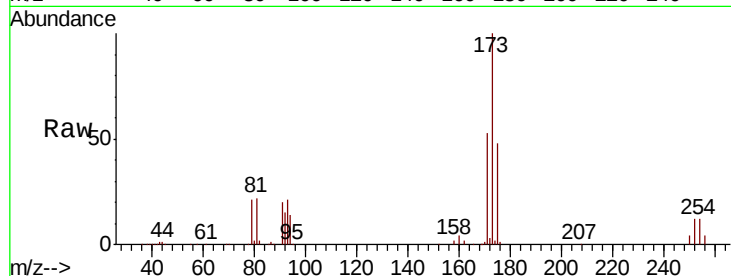
Tot Ion:173 Resp: 75592

Ion Ratio Lower Upper

173 100

175 49.4 24.2 72.6

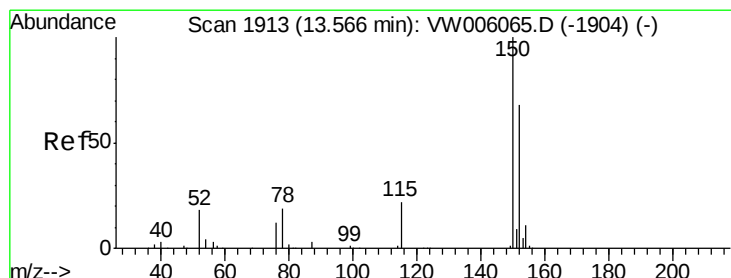
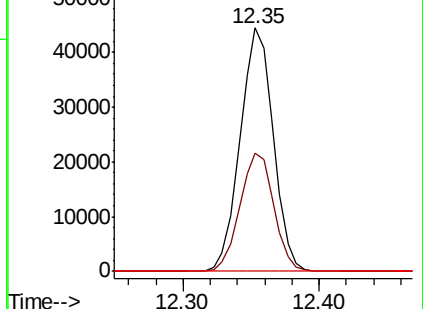
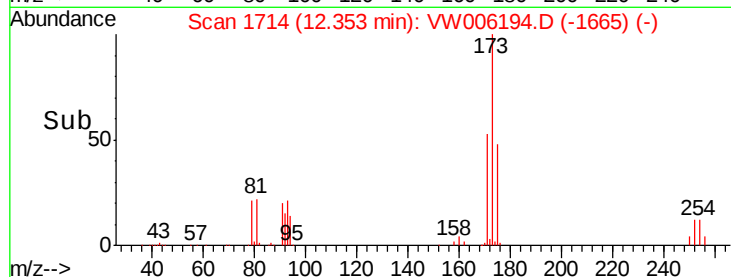
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

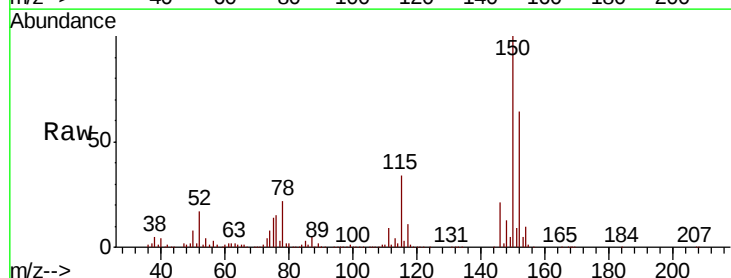
Tgt Ion:152 Resp: 205183

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

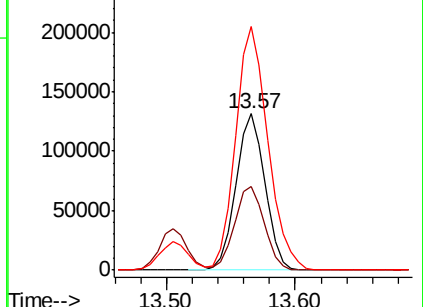
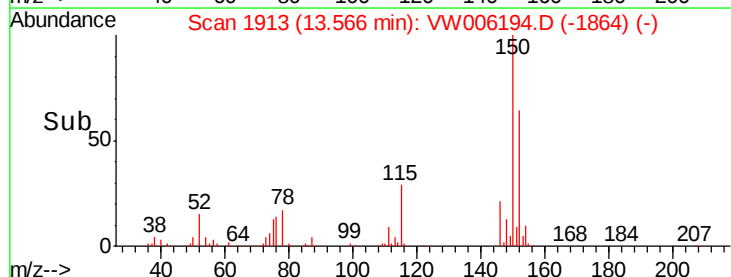
150 173.1 0.0 349.2

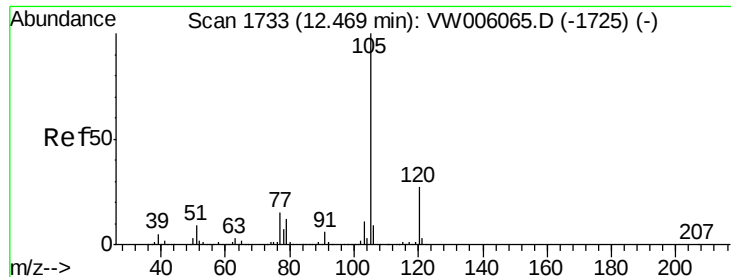


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.872 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

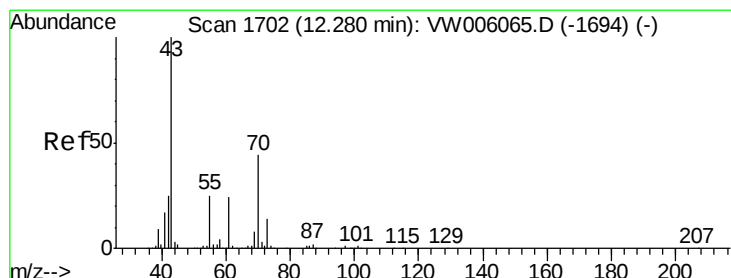
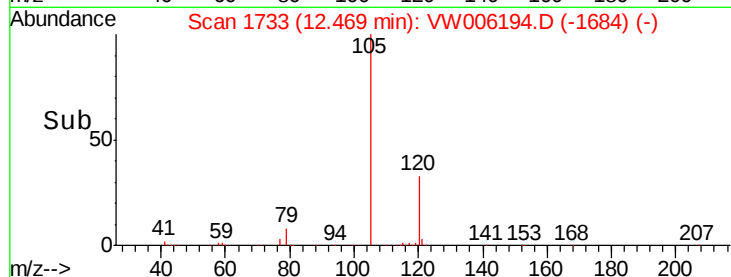
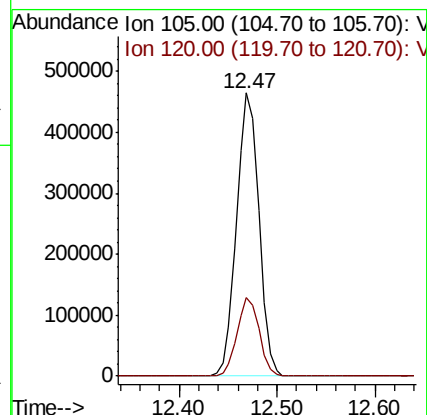
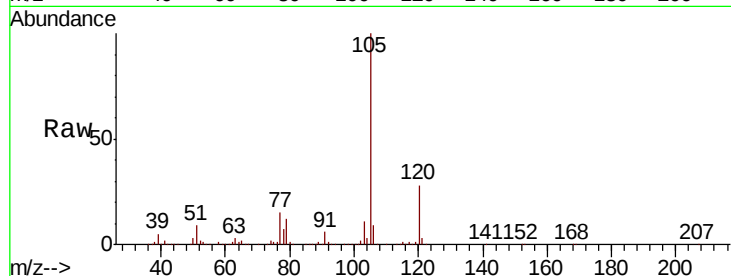
VSTDCCC050EC

Tot Ion:105 Resp: 737411

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 49.623 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Tgt Ion: 43 Resp: 139710

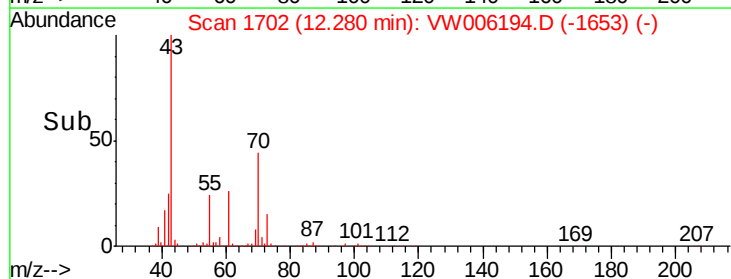
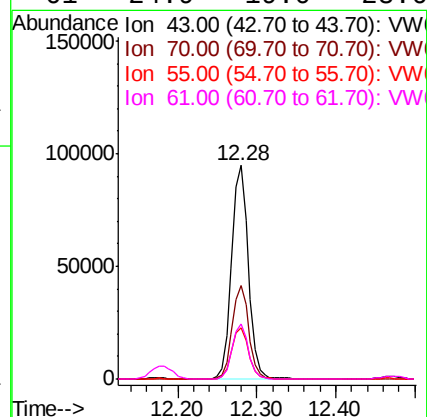
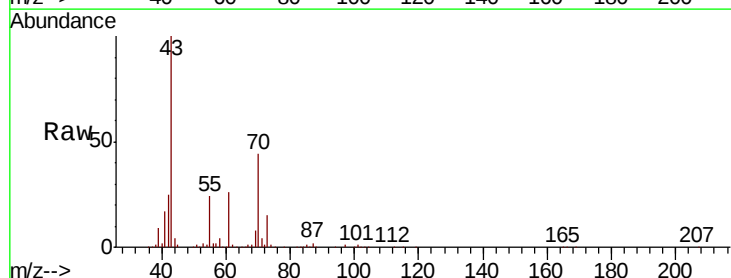
Ion Ratio Lower Upper

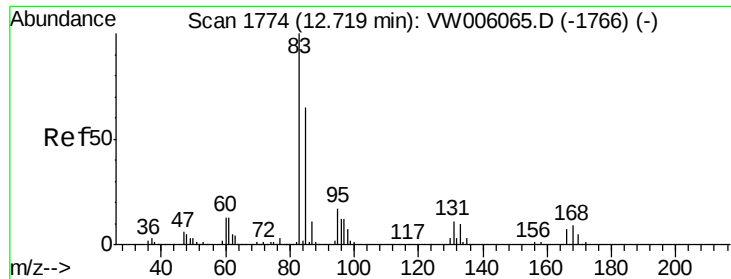
43 100

70 43.6 34.2 51.4

55 24.5 19.2 28.8

61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.707 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

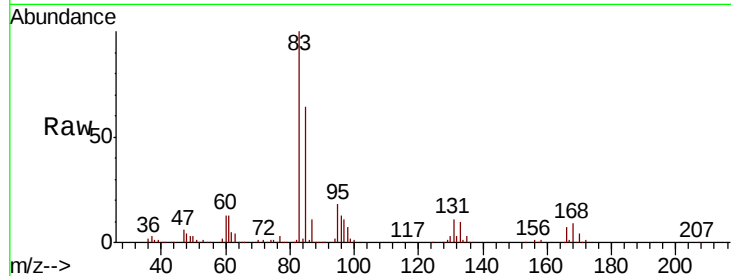
Tot Ion: 83 Resp: 116204

Ion Ratio Lower Upper

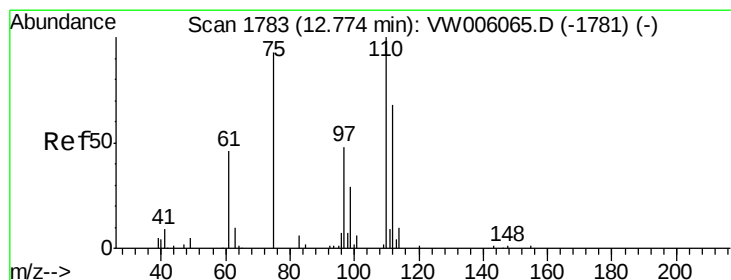
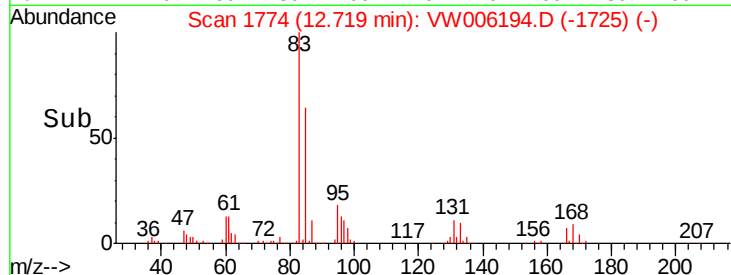
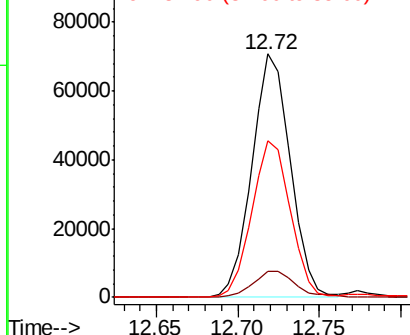
83 100

131 12.1 5.9 17.7

85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.067 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006194.D

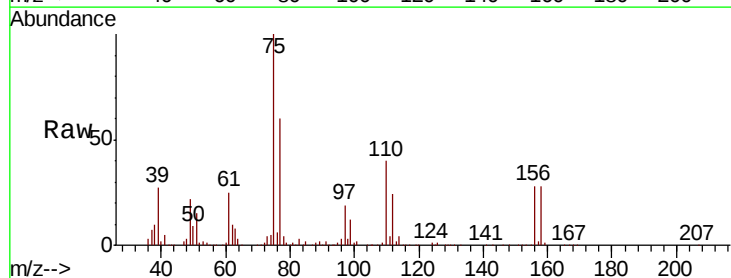
Acq: 18 Oct 2018 23:37

Tgt Ion: 75 Resp: 148989

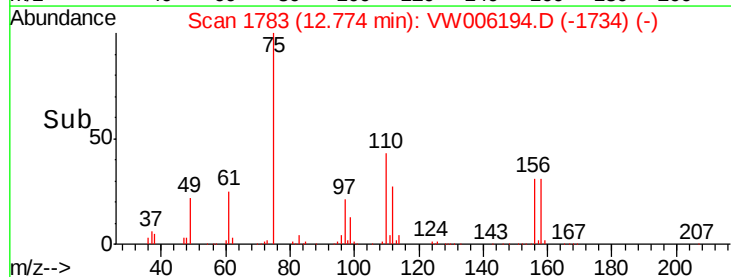
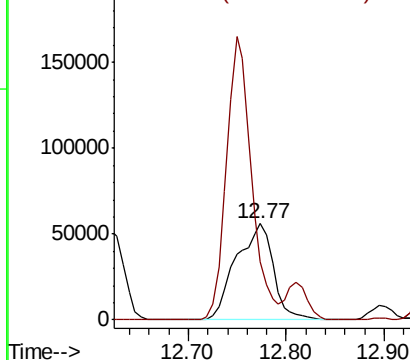
Ion Ratio Lower Upper

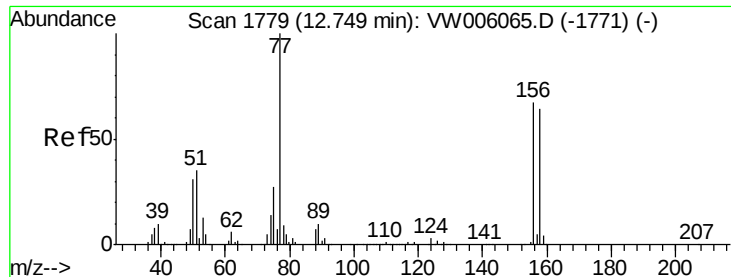
75 100

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: 52.504 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

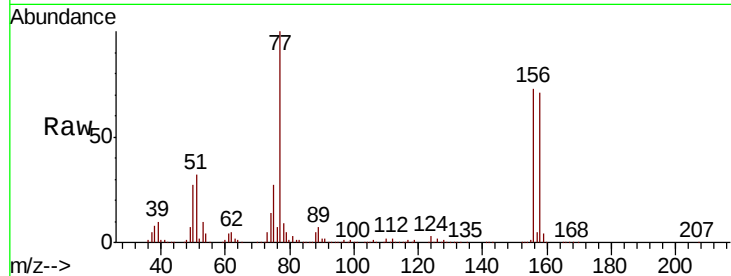
Tot Ion:156 Resp: 186413

Ion Ratio Lower Upper

156 100

77 157.7 79.1 237.4

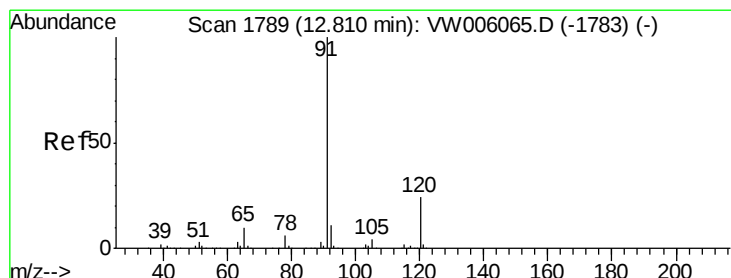
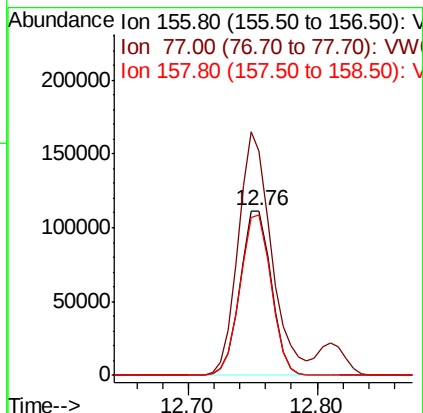
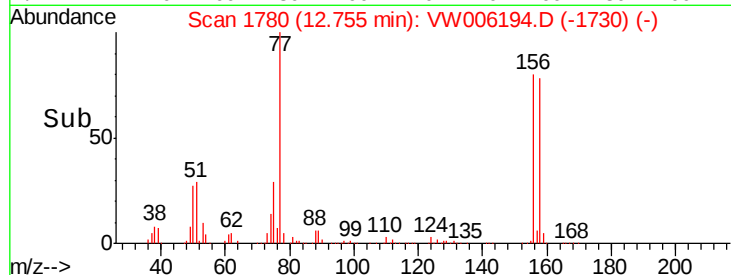
158 97.0 48.5 145.6



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: 50.503 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006194.D

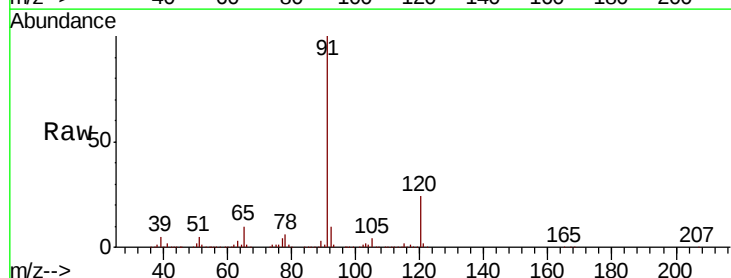
Acq: 18 Oct 2018 23:37

Tgt Ion: 91 Resp: 851709

Ion Ratio Lower Upper

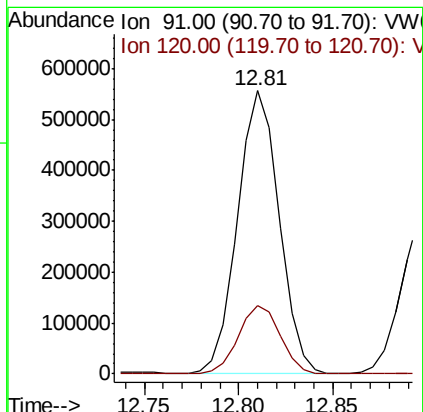
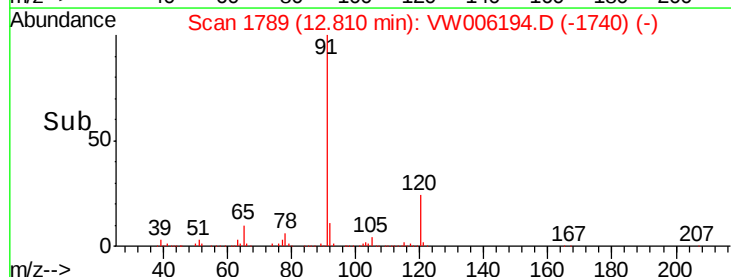
91 100

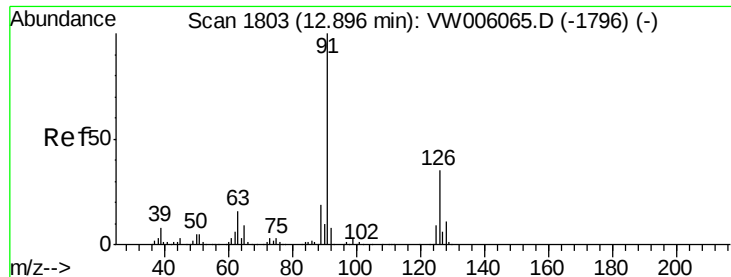
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.002 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

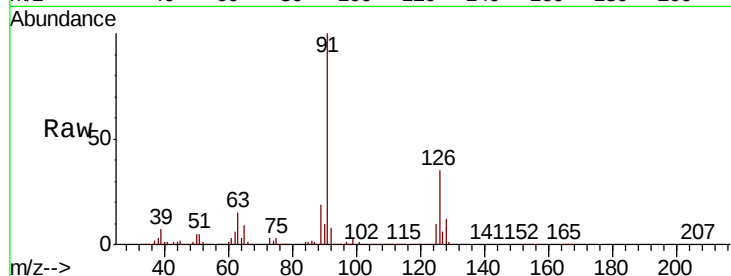
VSTDCCC050EC

Tot Ion: 91 Resp: 492743

Ion Ratio Lower Upper

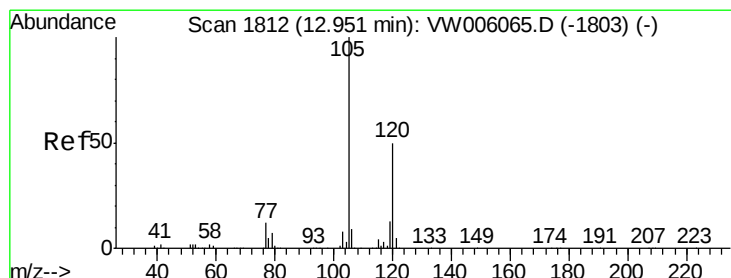
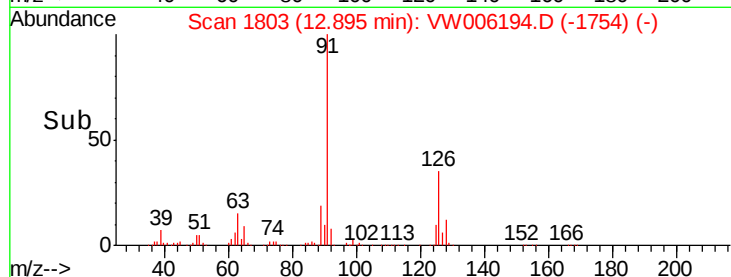
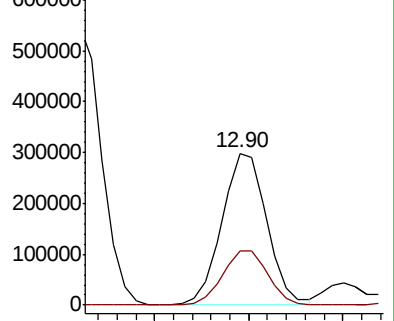
91 100

126 36.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.567 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006194.D

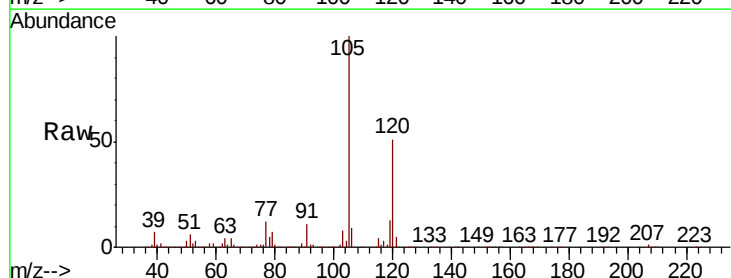
Acq: 18 Oct 2018 23:37

Tgt Ion:105 Resp: 617933

Ion Ratio Lower Upper

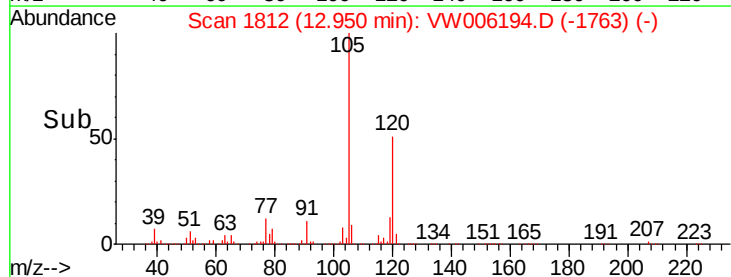
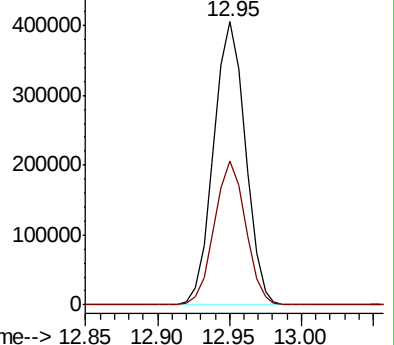
105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.369 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

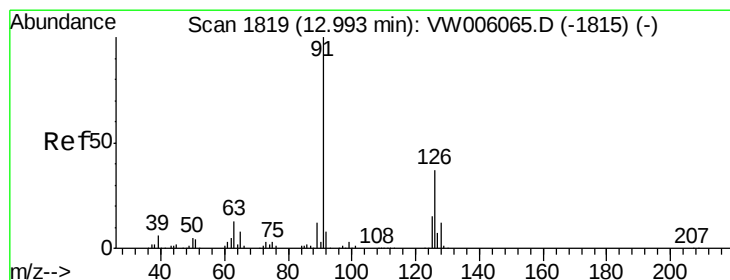
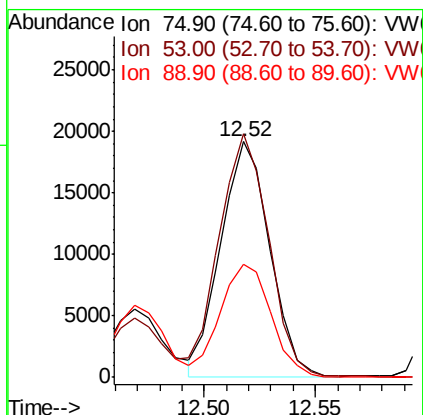
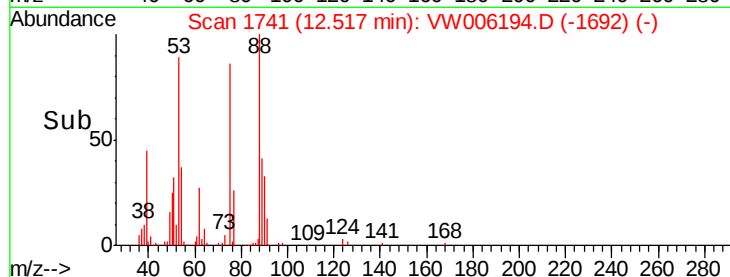
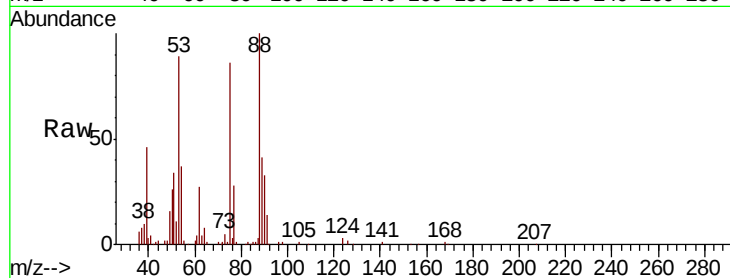
Tot Ion: 75 Resp: 29089

Ion Ratio Lower Upper

75 100

53 105.5 79.8 119.6

89 50.3 37.5 56.3



#82

4-Chlorotoluene

Concen: 51.209 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006194.D

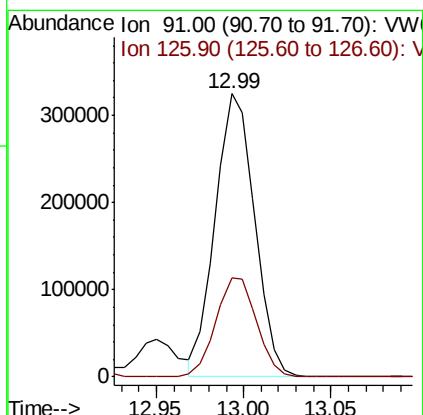
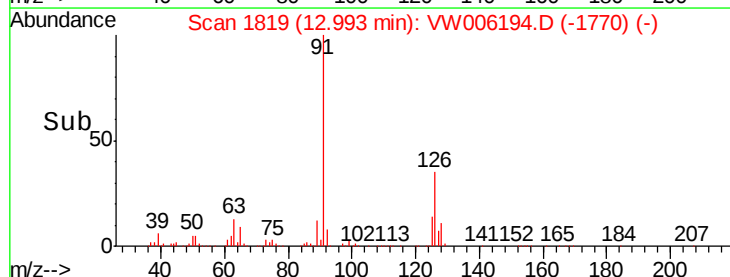
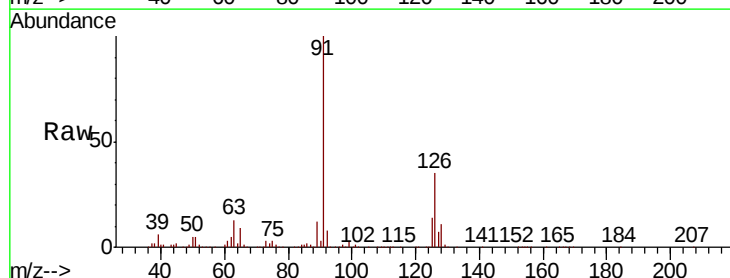
Acq: 18 Oct 2018 23:37

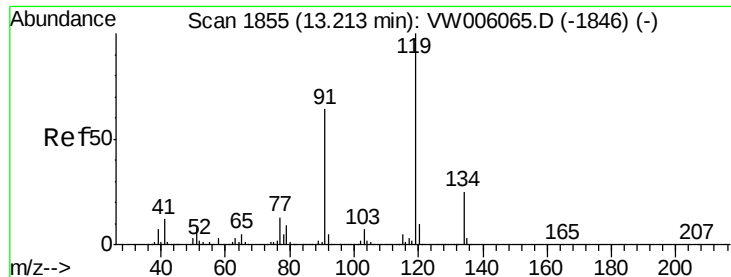
Tgt Ion: 91 Resp: 508294

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.3

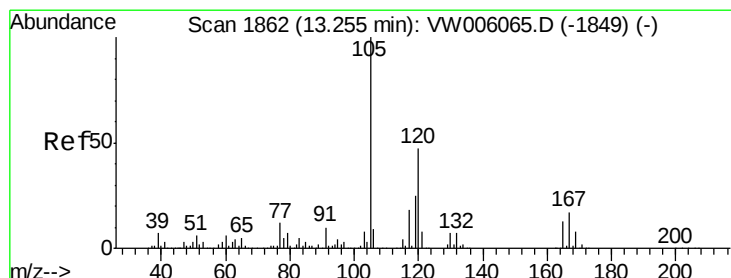
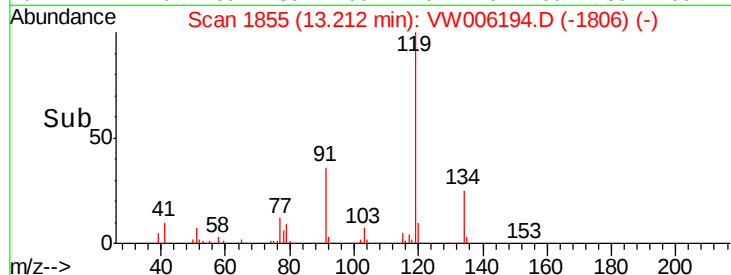
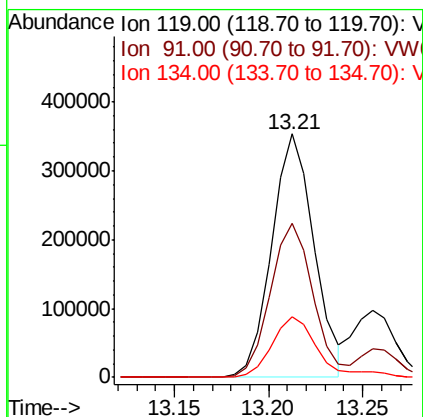
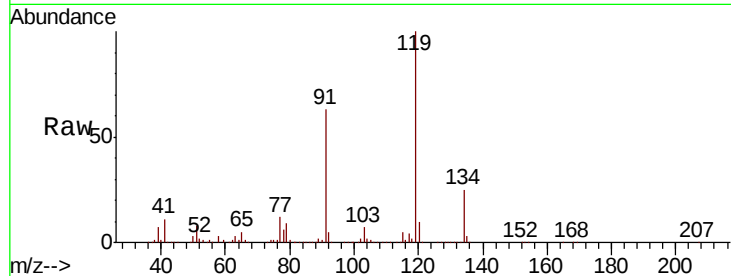




#83
tert-Butylbenzene
Concen: 50.330 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

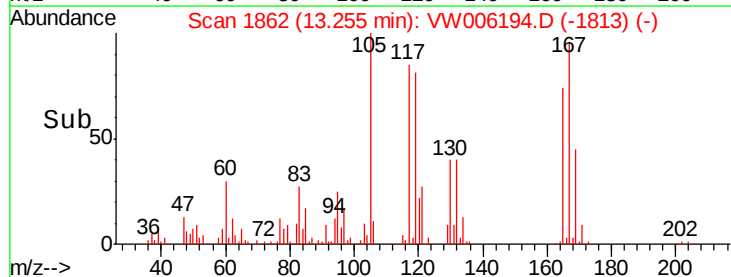
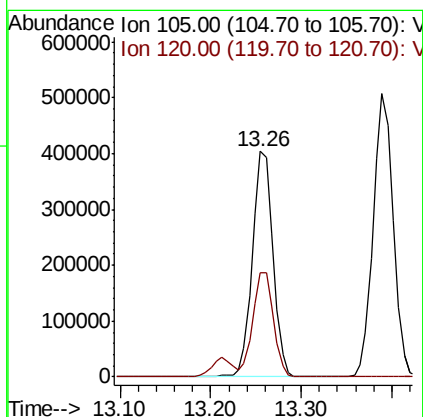
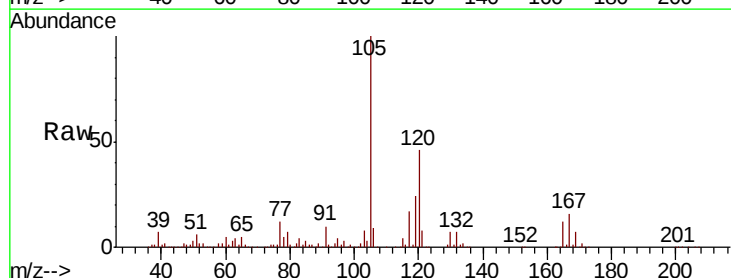
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

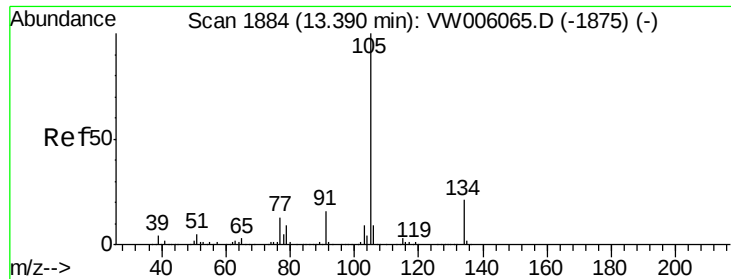
Tot Ion:119 Resp: 550269
Ion Ratio Lower Upper
119 100
91 64.4 32.3 96.9
134 27.3 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion:105 Resp: 636060
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 50.157 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

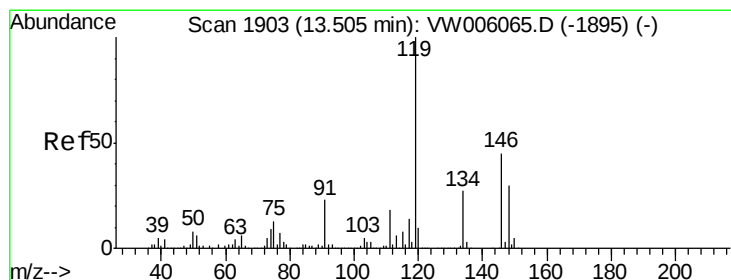
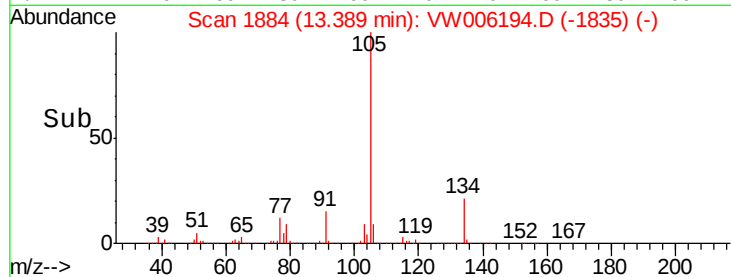
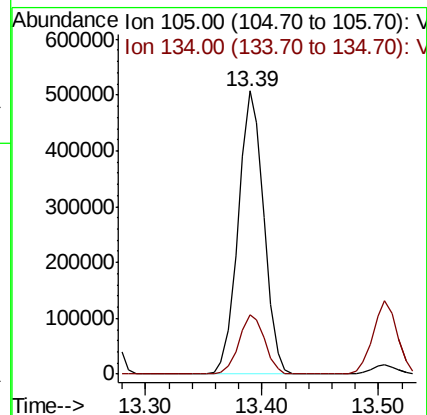
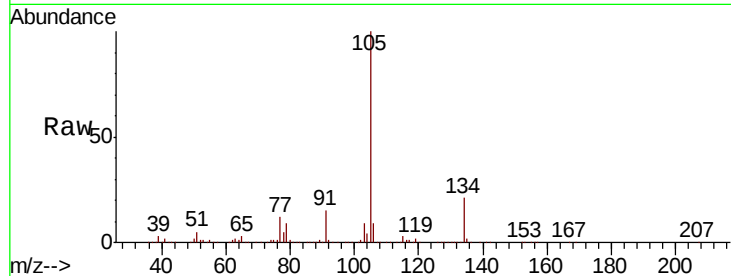
VSTDCCC050EC

Tot Ion:105 Resp: 774726

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



#86

p-Isopropyltoluene

Concen: 50.593 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

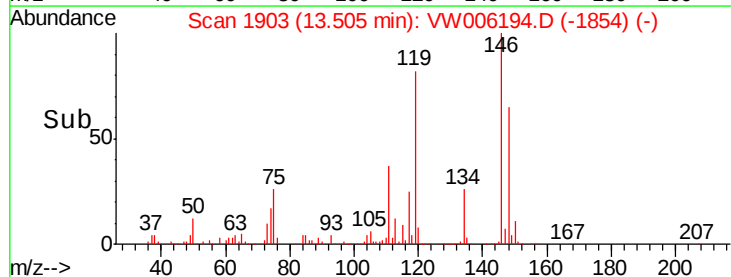
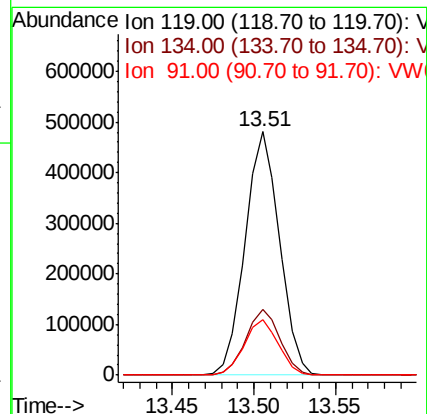
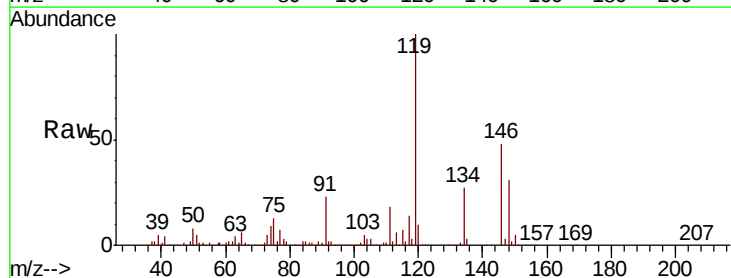
Tgt Ion:119 Resp: 706828

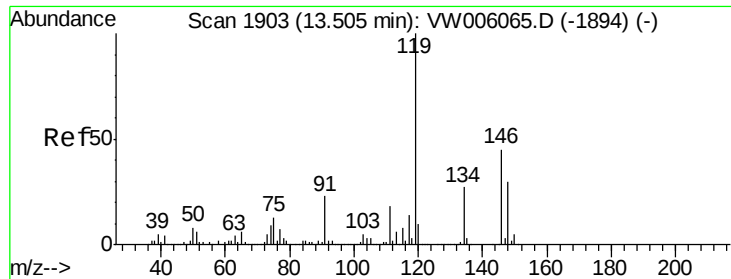
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 52.291 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

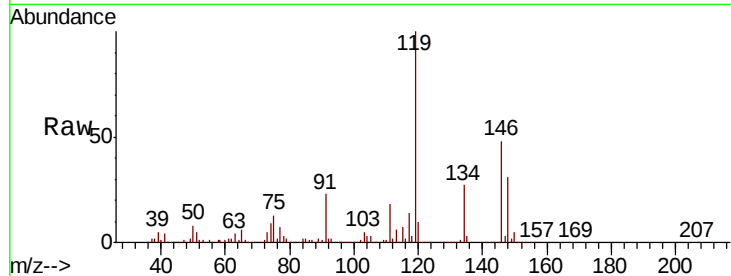
Tot Ion:146 Resp: 369489

Ion Ratio Lower Upper

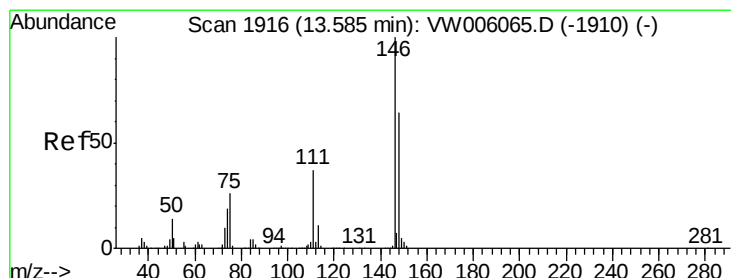
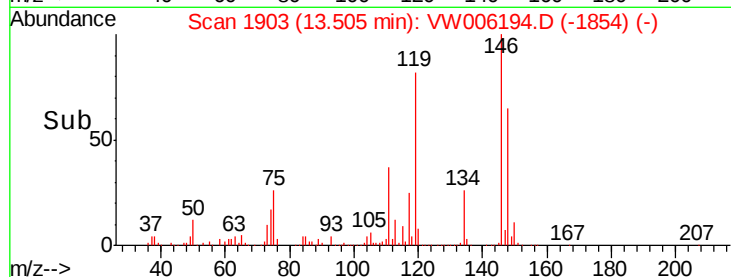
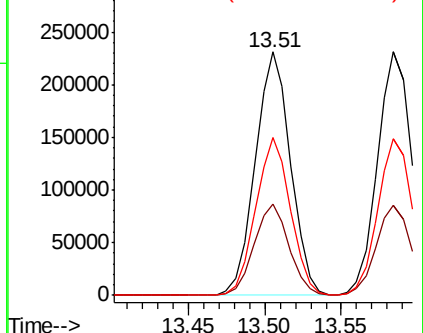
146 100

111 37.1 19.1 57.5

148 63.9 32.0 96.2



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: 51.575 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

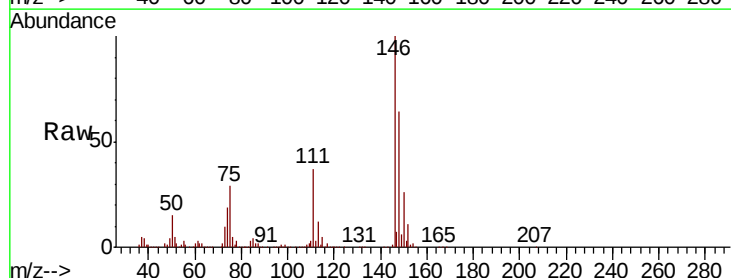
Tgt Ion:146 Resp: 362851

Ion Ratio Lower Upper

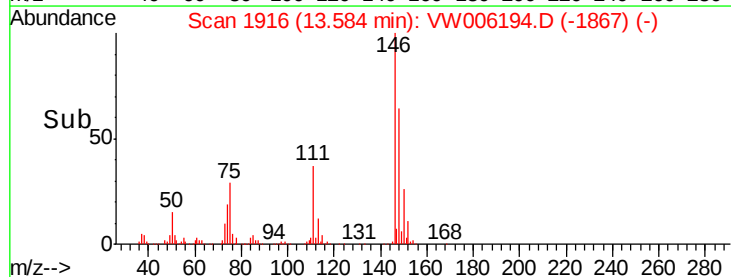
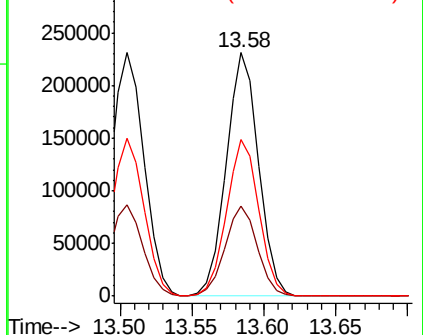
146 100

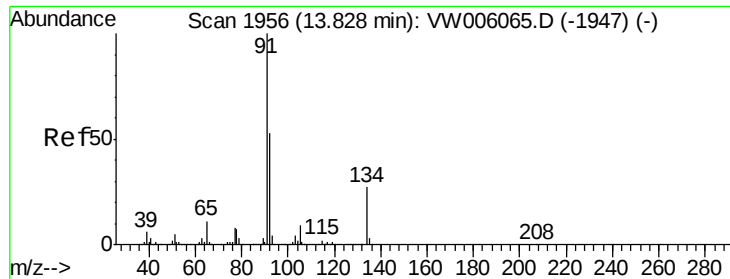
111 37.2 18.6 56.0

148 64.1 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





#89

n-Butylbenzene

Concen: 49.318 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006194.D

Acq: 18 Oct 2018 23:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

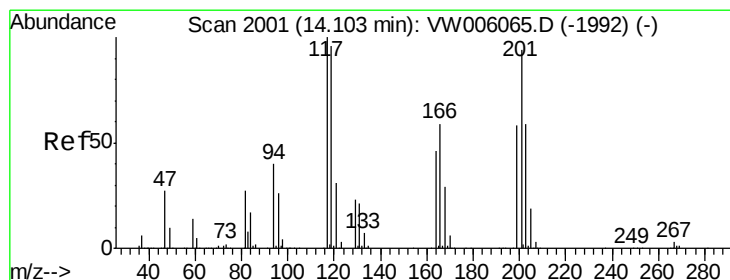
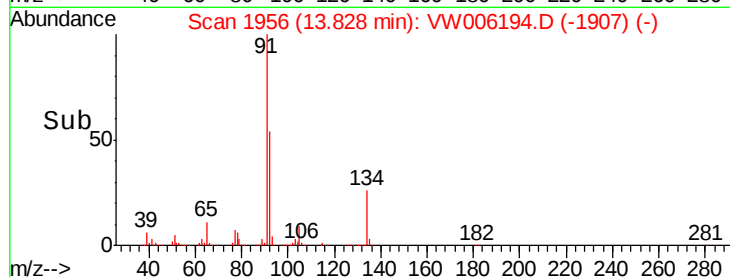
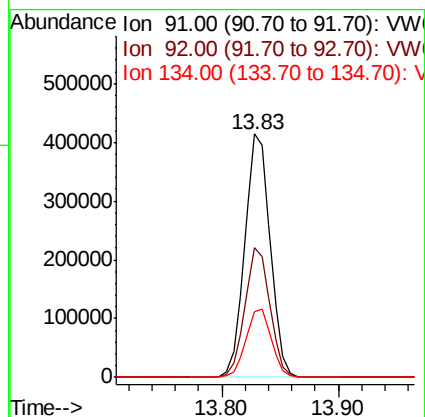
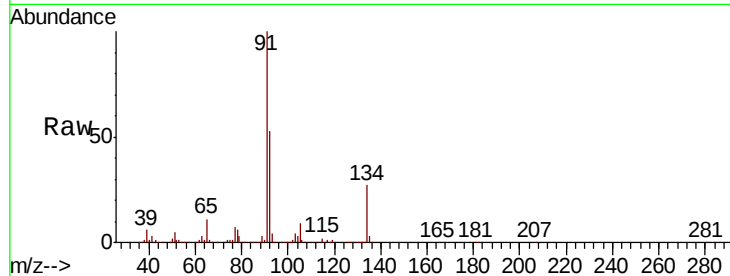
Tot Ion: 91 Resp: 630124

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.7

134 28.2 14.0 41.9



#90

Hexachloroethane

Concen: 47.434 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006194.D

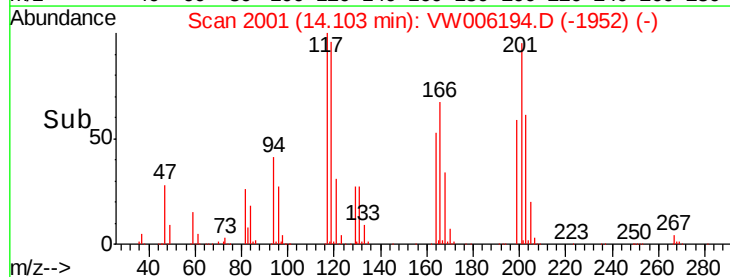
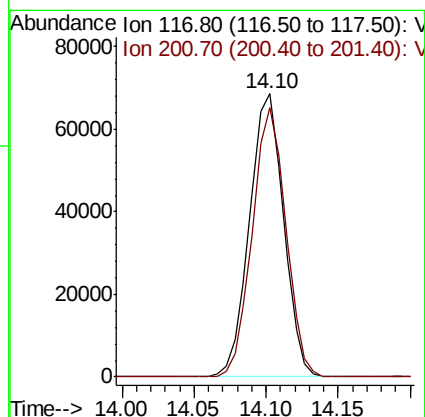
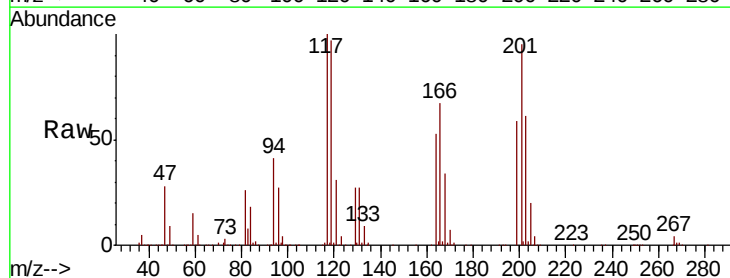
Acq: 18 Oct 2018 23:37

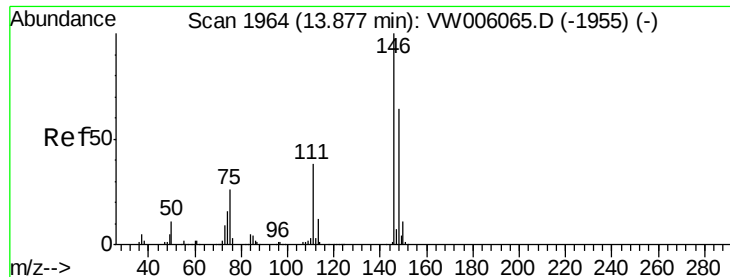
Tgt Ion: 117 Resp: 112250

Ion Ratio Lower Upper

117 100

201 93.3 45.3 135.9

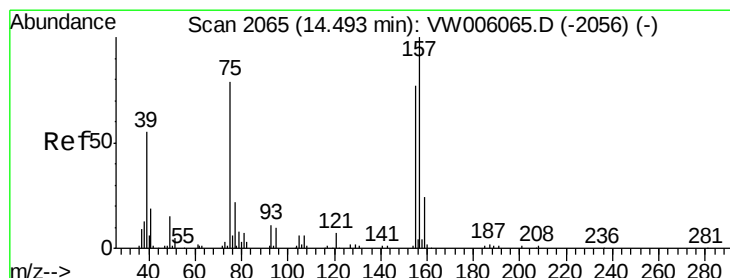
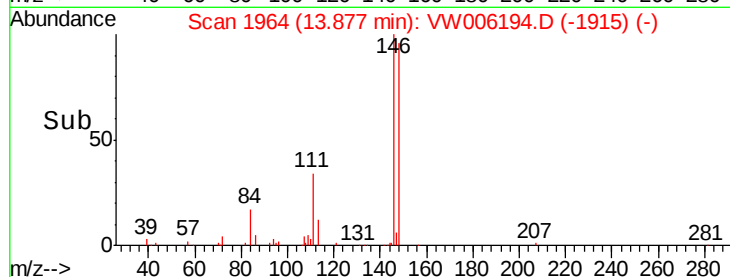
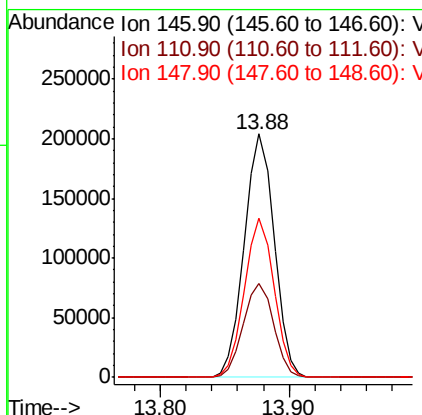
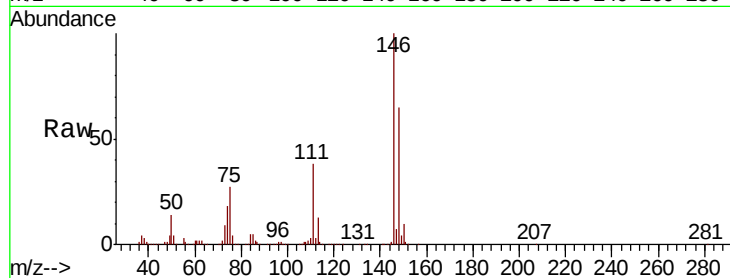




#91
 1,2-Dichlorobenzene
 Concen: 51.961 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

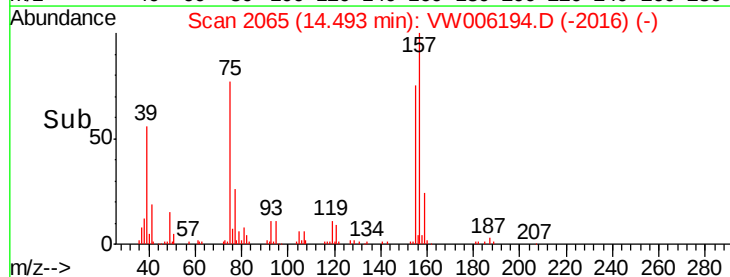
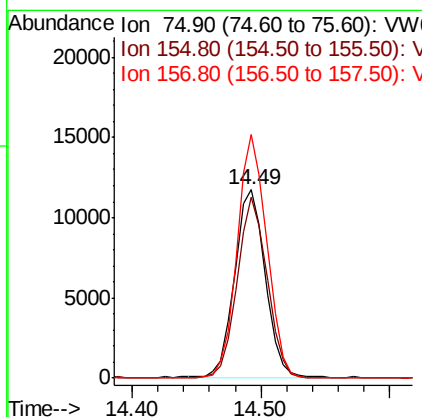
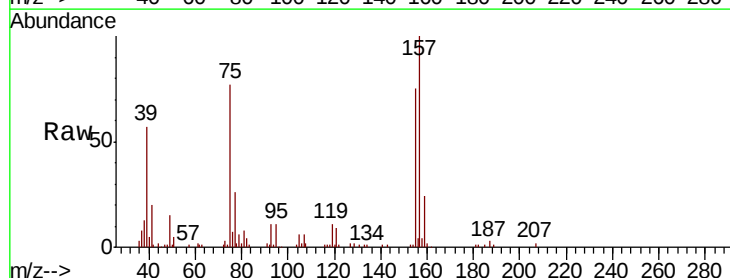
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

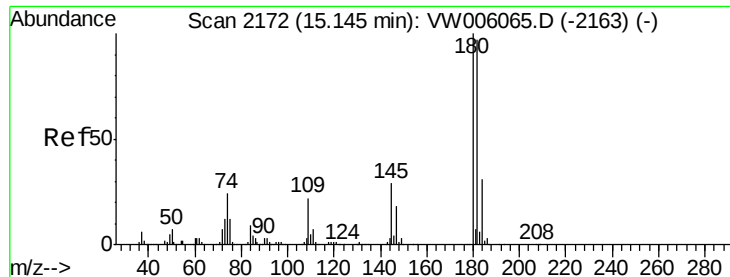
Tot Ion:146 Resp: 327503
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 64.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.357 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion: 75 Resp: 19483
 Ion Ratio Lower Upper
 75 100
 155 92.8 46.5 139.5
 157 123.8 59.8 179.4

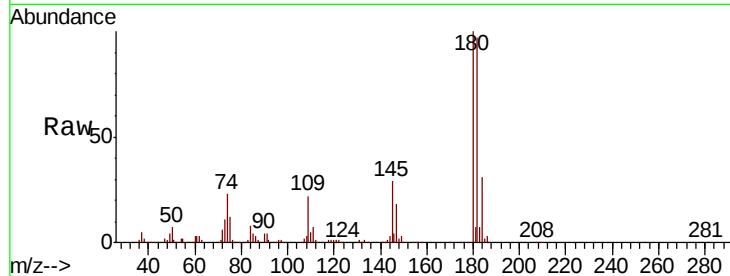




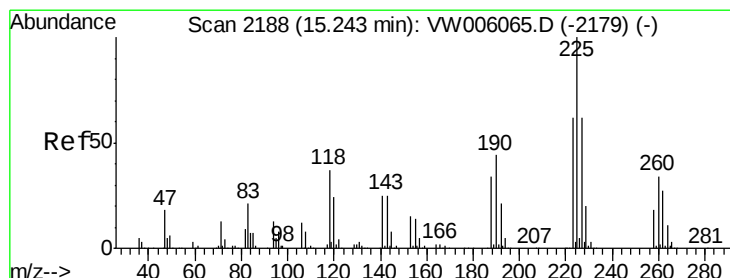
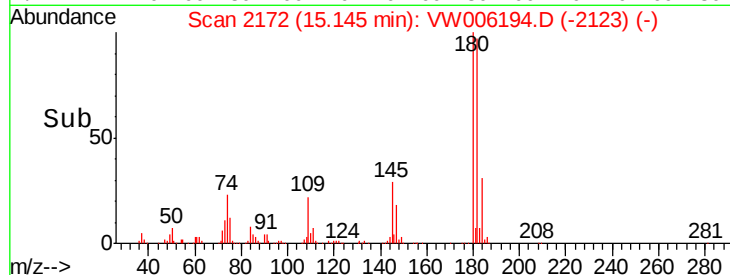
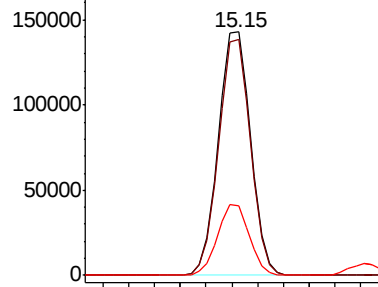
#93
 1,2,4-Trichlorobenzene
 Concen: 50.808 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 246403
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 28.7 14.2 42.8

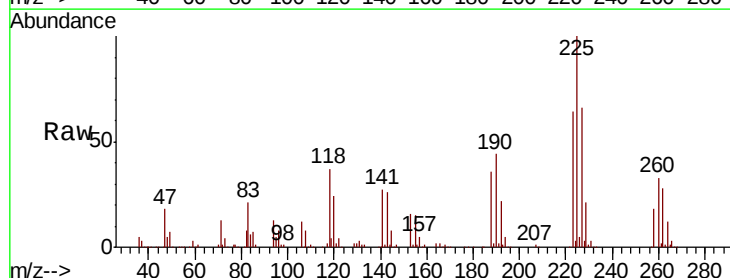


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

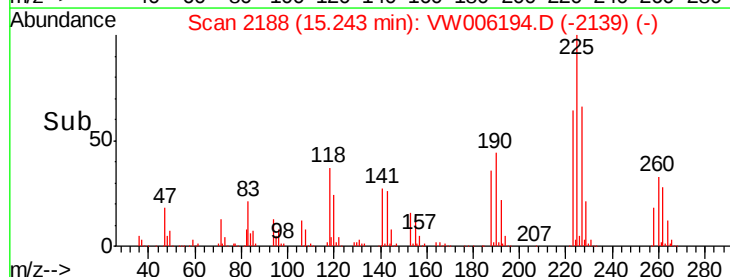
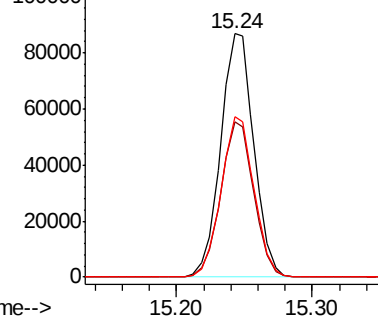


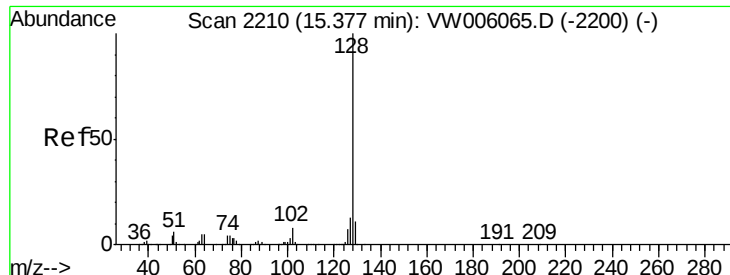
#94
 Hexachlorobutadiene
 Concen: 48.660 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006194.D
 Acq: 18 Oct 2018 23:37

Tgt Ion:225 Resp: 148243
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.5
 227 65.1 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

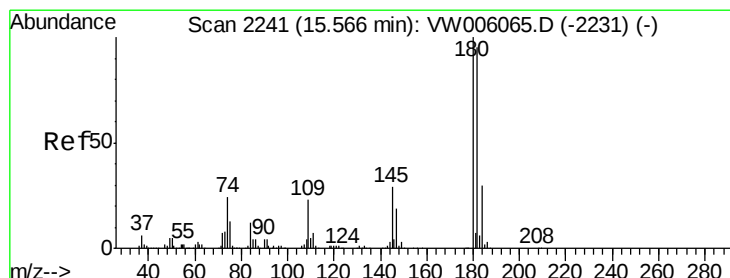
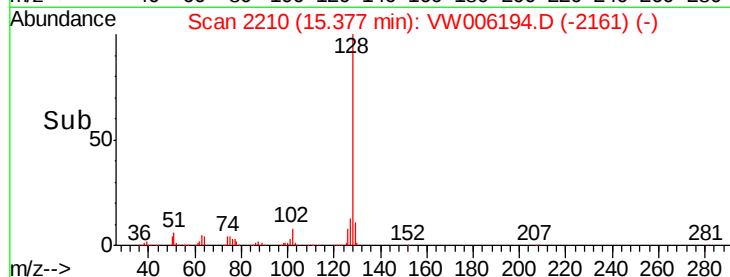
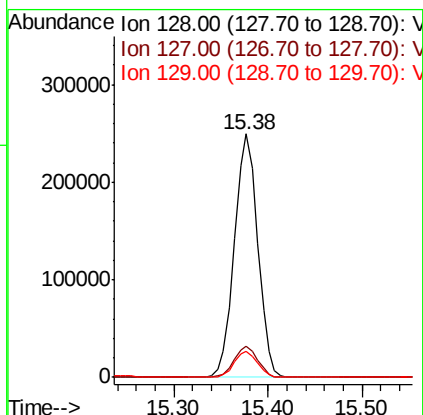
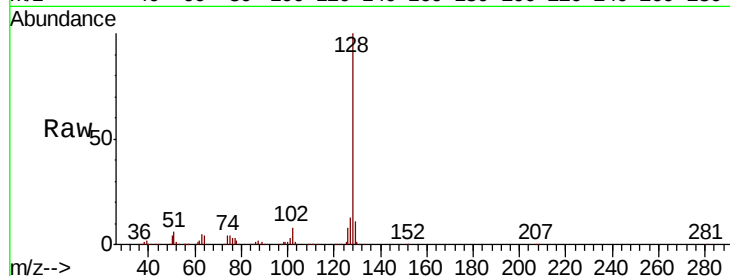




#95
Naphthalene
Concen: 53.342 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 430330
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.817 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006194.D
Acq: 18 Oct 2018 23:37

Tgt Ion:180 Resp: 217357
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 30.2 15.0 45.1

