

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002287.D
 Acq On : 08 May 2018 11:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 16:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	354443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	192944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130884	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.88	113	129684	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.33	98	519315	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.63	95	181823	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72780	70.69	ug/l	97
3) Chloromethane	2.21	50	114503	54.77	ug/l	100
4) Vinyl Chloride	2.36	62	179739	52.13	ug/l	98
5) Bromomethane	2.78	94	139260	50.22	ug/l	97
6) Chloroethane	2.92	64	118631	50.99	ug/l	94
7) Trichlorofluoromethane	3.25	101	96568	68.57	ug/l	96
8) Diethyl Ether	3.67	74	64568	40.96	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	132117	53.13	ug/l	99
10) Methyl Iodide	4.26	142	204793	50.75	ug/l	100
11) Tert butyl alcohol	5.17	59	39084	185.88	ug/l #	78
12) 1,1-Dichloroethene	4.03	96	127870	51.86	ug/l	98
13) Acrolein	3.89	56	36779	208.92	ug/l	100
14) Allyl chloride	4.66	41	195431	53.94	ug/l	99
15) Acrylonitrile	5.36	53	123532	199.79	ug/l	98
16) Acetone	4.12	43	157129	278.12	ug/l	97
17) Carbon Disulfide	4.37	76	381248	53.17	ug/l	99
18) Methyl Acetate	4.67	43	65690	38.75	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190752	44.25	ug/l	98
20) Methylene Chloride	4.91	84	124015	45.53	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	135511	50.91	ug/l	98
22) Diisopropyl ether	6.31	45	373391	47.01	ug/l	97
23) Vinyl Acetate	6.25	43	1095719	230.36	ug/l	99
24) 1,1-Dichloroethane	6.21	63	236716	49.15	ug/l	98
25) 2-Butanone	7.17	43	175220	208.87	ug/l	100
26) 2,2-Dichloropropane	7.17	77	149240	62.17	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	145518	48.50	ug/l	98
28) Bromochloromethane	7.51	49	91099	41.82	ug/l #	98
29) Tetrahydrofuran	7.52	42	104269	189.51	ug/l	99
30) Chloroform	7.67	83	238898	47.38	ug/l	98
31) Cyclohexane	7.95	56	222278	51.71	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	202750	53.50	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196826	54.99	ug/l	100
37) Ethyl Acetate	7.25	43	73007	41.85	ug/l	98
38) Carbon Tetrachloride	8.07	117	198111	57.23	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	245560	58.79	ug/l	100
40) Benzene	8.32	78	541908	51.79	ug/l	99
41) Methacrylonitrile	7.48	41	42206	42.22	ug/l	91
42) 1,2-Dichloroethane	8.40	62	152960	46.88	ug/l	100
43) Isopropyl Acetate	8.43	43	141895	42.88	ug/l	99
44) Trichloroethene	9.09	130	152470	53.45	ug/l	100
45) 1,2-Dichloropropane	9.37	63	130221	49.67	ug/l	96
46) Dibromomethane	9.46	93	68442	46.71	ug/l	98
47) Bromodichloromethane	9.65	83	174058	50.33	ug/l	96
48) Methyl methacrylate	9.44	41	70667	43.98	ug/l	97
49) 1,4-Dioxane	9.45	88	21992	944.74	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	372989	204.31	ug/l	100
52) Toluene	10.40	92	349261	52.56	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	173975	51.17	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	204692	52.66	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93335	45.24	ug/l	97
56) Ethyl methacrylate	10.65	69	114005	44.70	ug/l	99
57) 1,3-Dichloropropane	10.94	76	160219	45.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	266833	215.54	ug/l	99
59) 2-Hexanone	10.98	43	279601	223.91	ug/l	100
60) Dibromochloromethane	11.13	129	117321	48.18	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90638	44.94	ug/l	98
64) Tetrachloroethene	10.87	164	130356	47.79	ug/l	96
65) Chlorobenzene	11.66	112	386506	53.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	136119	52.73	ug/l	99
67) Ethyl Benzene	11.74	91	694341	55.78	ug/l	99
68) m/p-Xylenes	11.85	106	538175	112.05	ug/l	100
69) o-Xylene	12.18	106	251177	54.99	ug/l	99
70) Styrene	12.19	104	411238	54.22	ug/l	100
71) Bromoform	12.35	173	69710	47.09	ug/l #	99
73) Isopropylbenzene	12.48	105	713902	56.96	ug/l	100
74) N-amyl acetate	12.28	43	142765	45.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	107521	44.38	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	65940m	38.54	ug/l	
77) Bromobenzene	12.76	156	161151	51.01	ug/l	100
78) n-propylbenzene	12.82	91	862942	58.09	ug/l	100
79) 2-Chlorotoluene	12.90	91	475180	55.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	599663	56.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	33421	51.45	ug/l	97
82) 4-Chlorotoluene	13.00	91	502997	55.28	ug/l	99
83) tert-Butylbenzene	13.22	119	530820	58.48	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	610437	55.85	ug/l	100
85) sec-Butylbenzene	13.40	105	763803	58.94	ug/l	99
86) p-Isopropyltoluene	13.51	119	679109	58.61	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	334619	53.51	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	328735	52.66	ug/l	99
89) n-Butylbenzene	13.83	91	659383	60.81	ug/l	100
90) Hexachloroethane	14.11	117	119766	57.80	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	289889	51.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	18725	44.71	ug/l	99

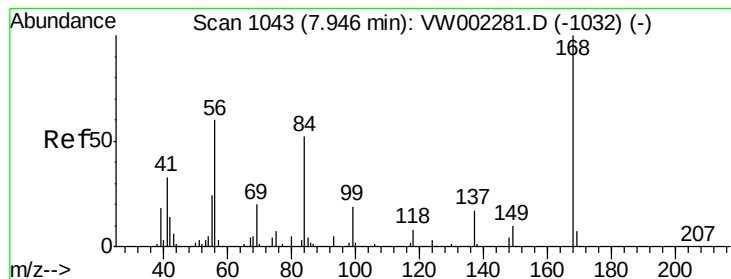
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	209802	51.73	ug/l	98
94) Hexachlorobutadiene	15.26	225	129533	57.33	ug/l	99
95) Naphthalene	15.39	128	349775	46.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	177957	48.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

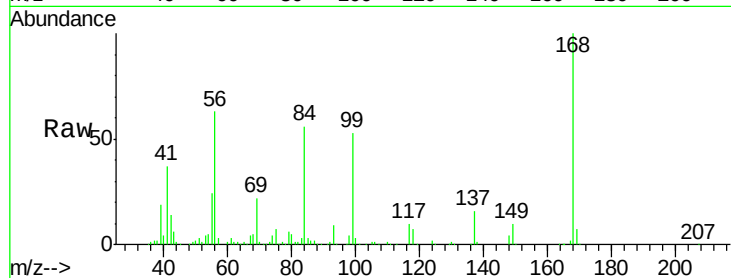
VSTDCCC050

Tot Ion:168 Resp: 272415

Ion Ratio Lower Upper

168 100

99 52.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

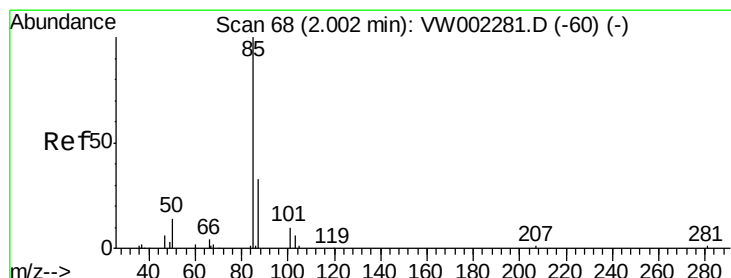
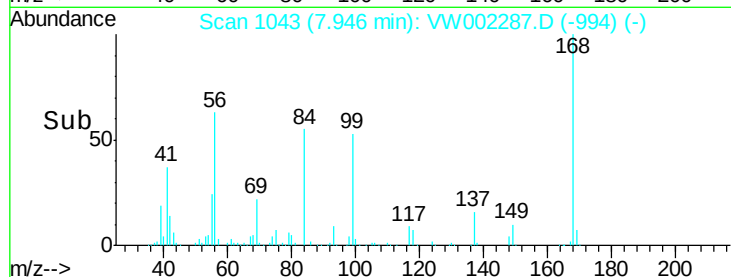
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 70.69 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002287.D

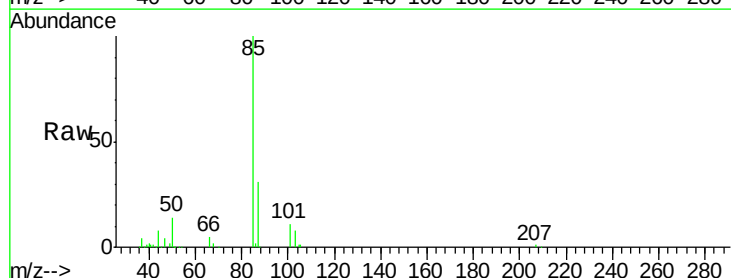
Acq: 08 May 2018 11:46

Tgt Ion: 85 Resp: 72780

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

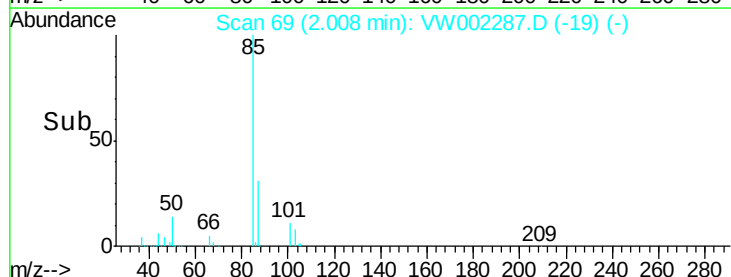
15000

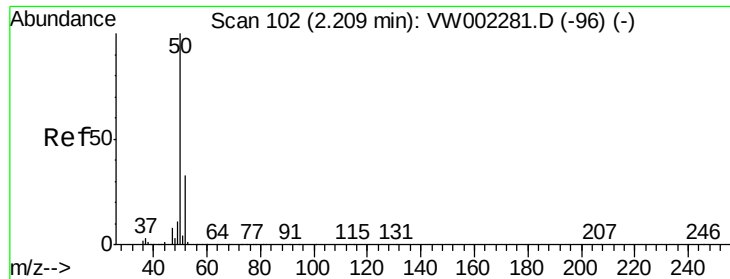
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 54.77 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

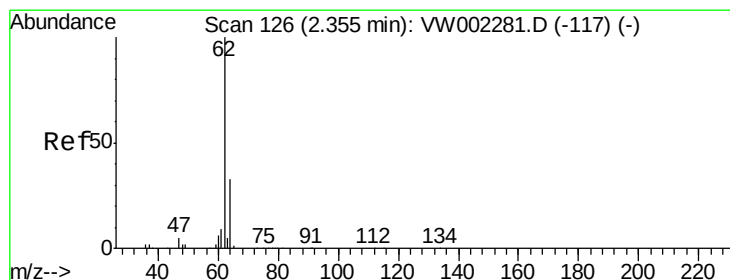
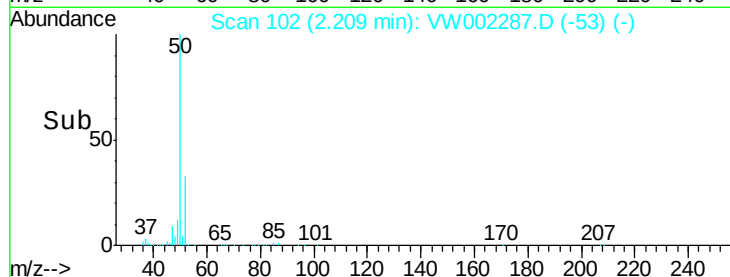
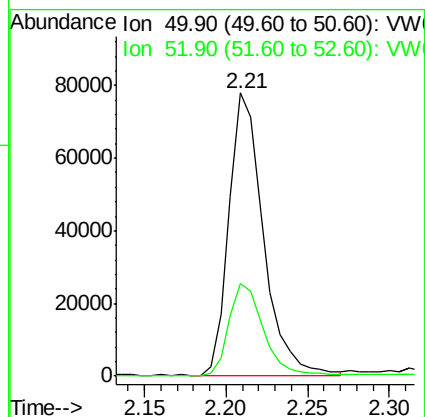
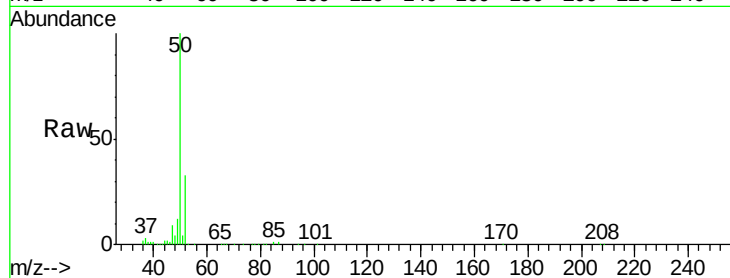
VSTDCCC050

Tot Ion: 50 Resp: 114503

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 52.13 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002287.D

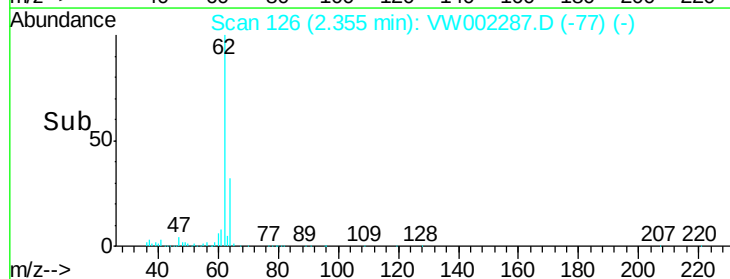
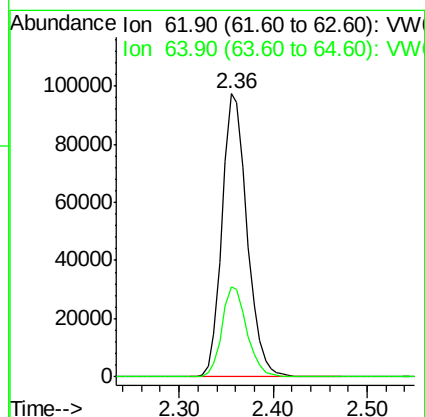
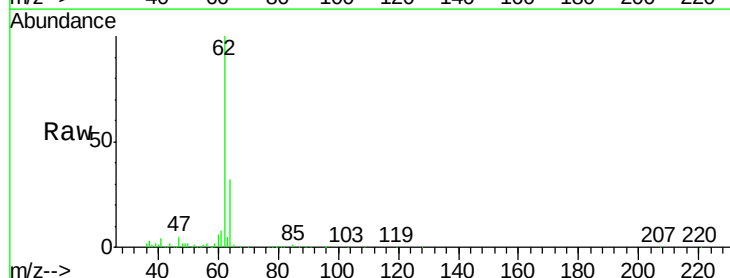
Acq: 08 May 2018 11:46

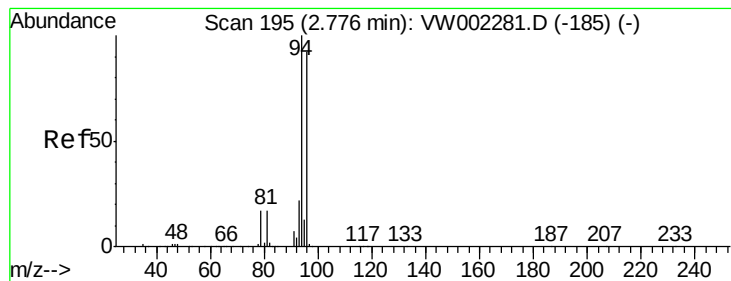
Tgt Ion: 62 Resp: 179739

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1





#5

Bromomethane

Concen: 50.22 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

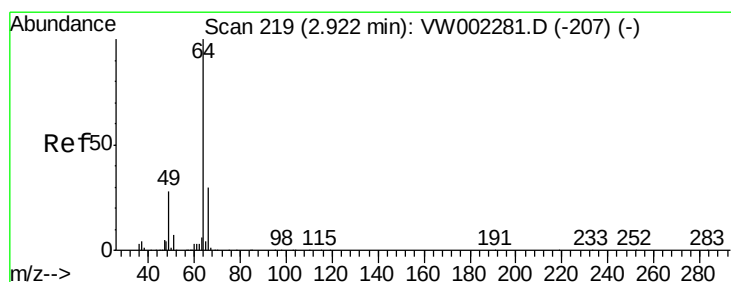
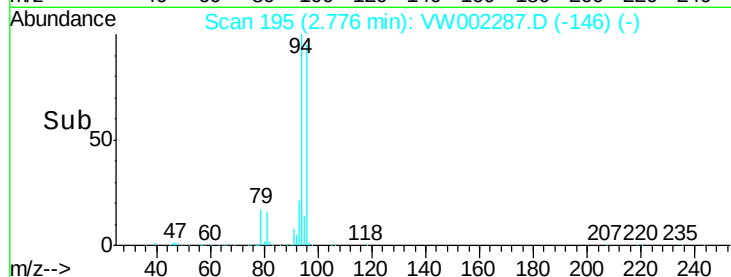
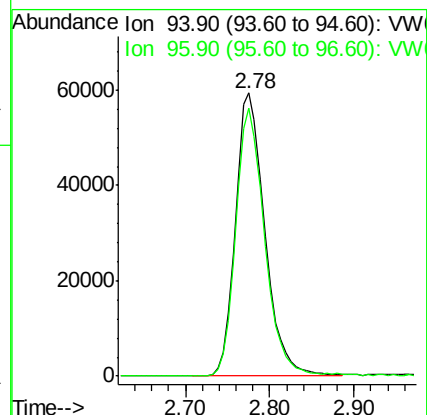
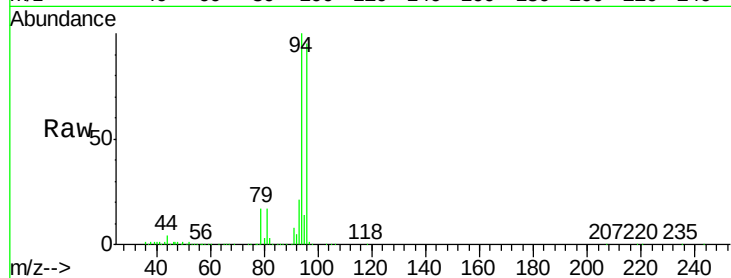
VSTDCCC050

Tot Ion: 94 Resp: 139260

Ion Ratio Lower Upper

94 100

96 94.7 73.6 110.4



#6

Chloroethane

Concen: 50.99 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW002287.D

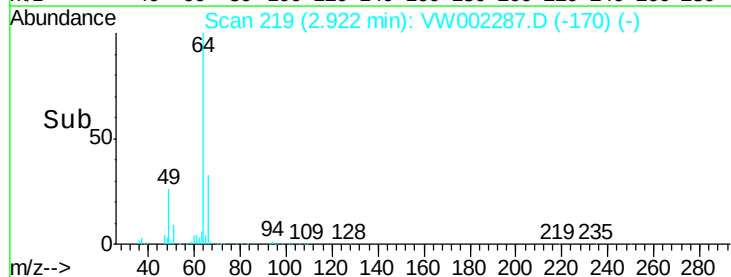
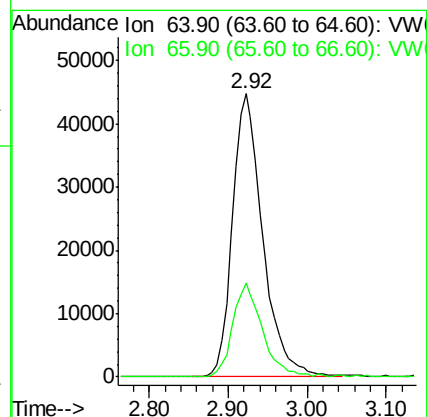
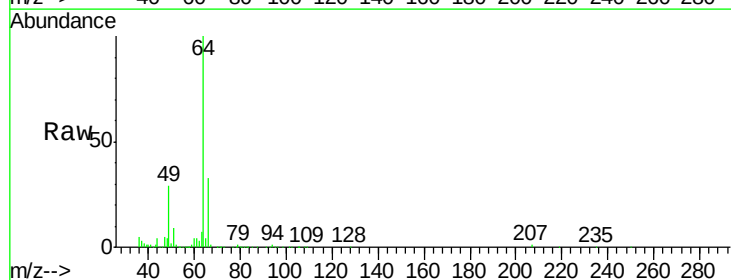
Acq: 08 May 2018 11:46

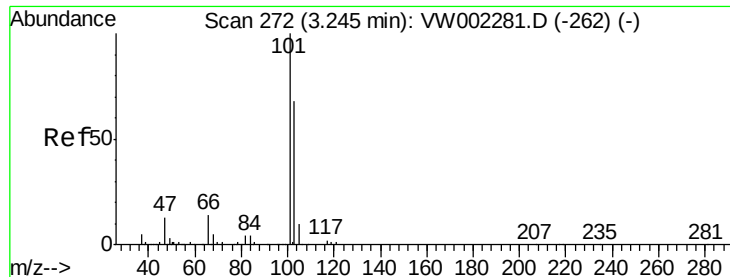
Tgt Ion: 64 Resp: 118631

Ion Ratio Lower Upper

64 100

66 33.0 23.8 35.6



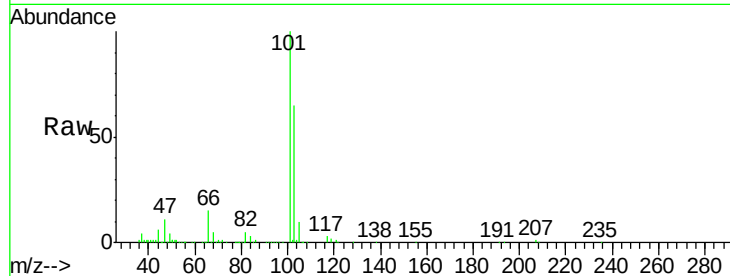


#7

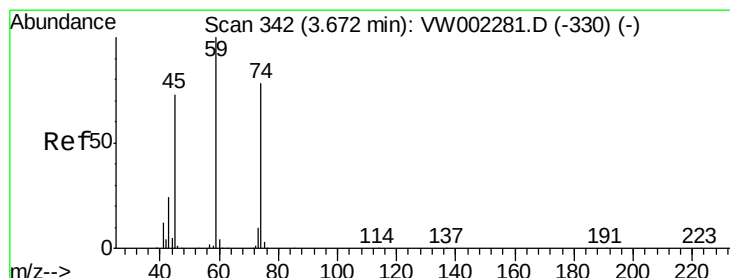
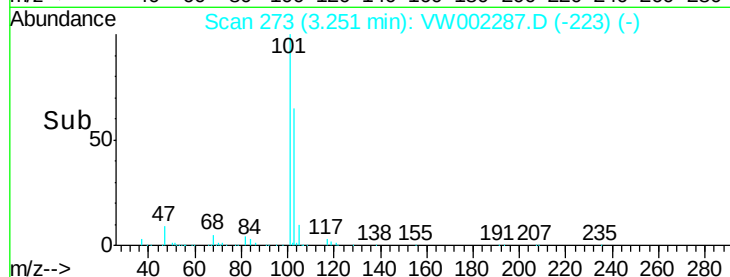
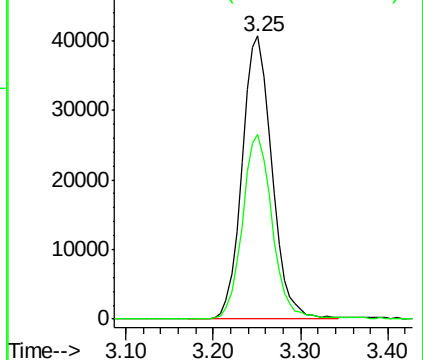
Trichlorofluoromethane
 Concen: 68.57 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW002287.D
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Tot Ion:101 Resp: 96568
 Ion Ratio Lower Upper
 101 100
 103 65.1 54.6 82.0



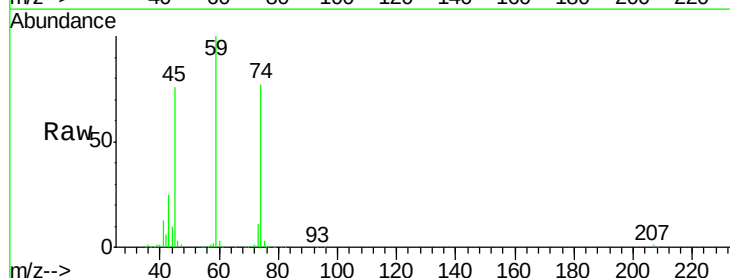
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



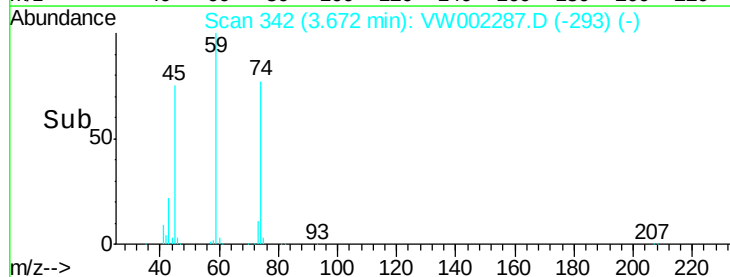
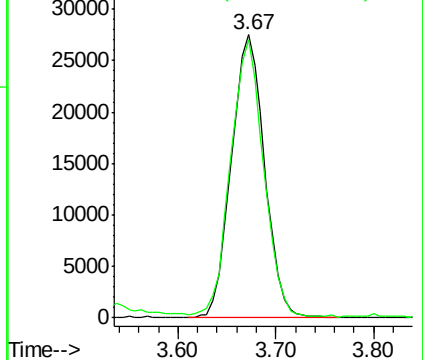
#8

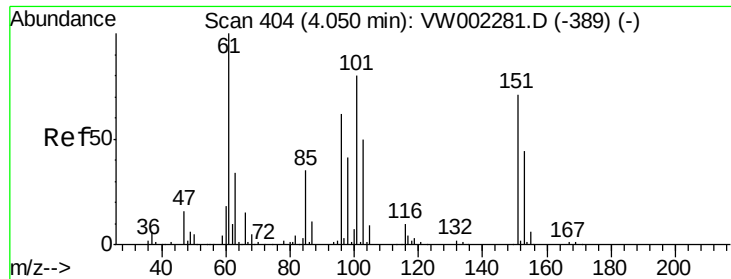
Diethyl Ether
 Concen: 40.96 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 74 Resp: 64568
 Ion Ratio Lower Upper
 74 100
 45 97.3 49.5 148.5



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: 53.13 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

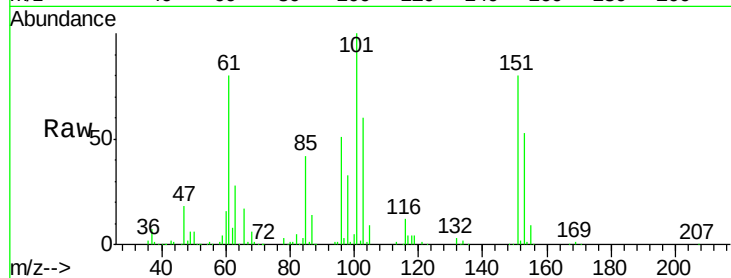
Tot Ion:101 Resp: 132117

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

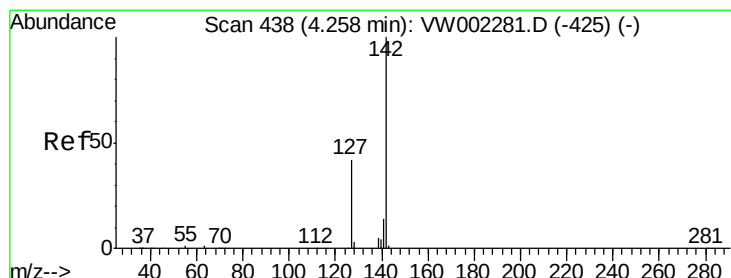
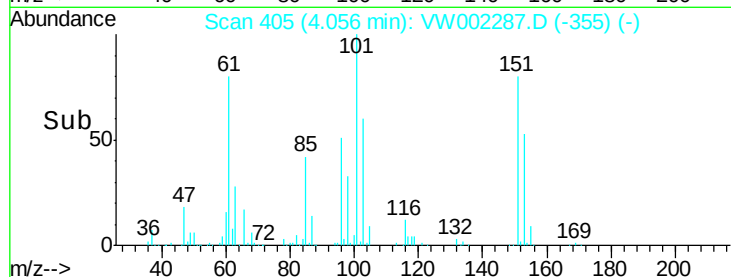
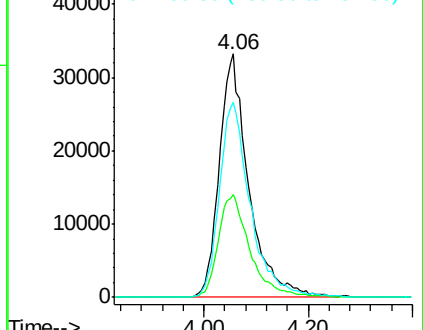
151 83.5 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.75 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

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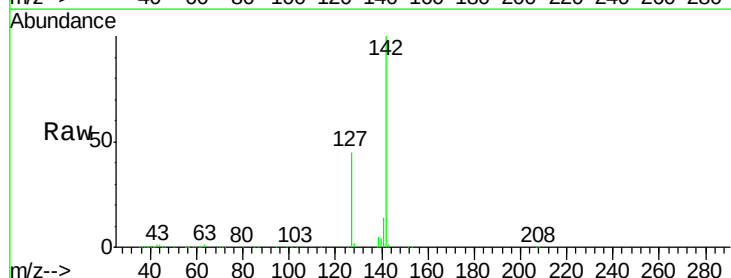
Tgt Ion:142 Resp: 204793

Ion Ratio Lower Upper

142 100

127 43.4 34.7 52.1

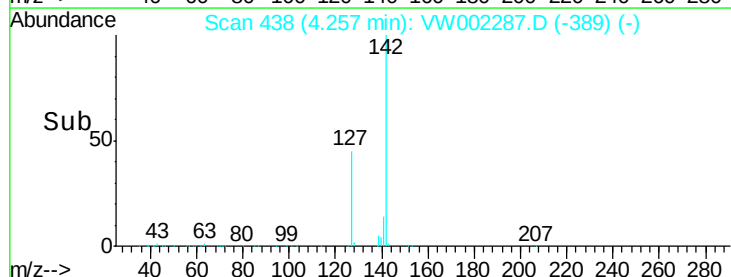
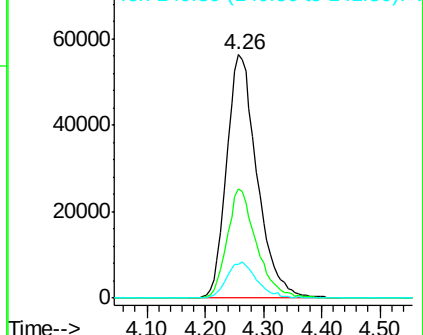
141 14.7 11.9 17.9

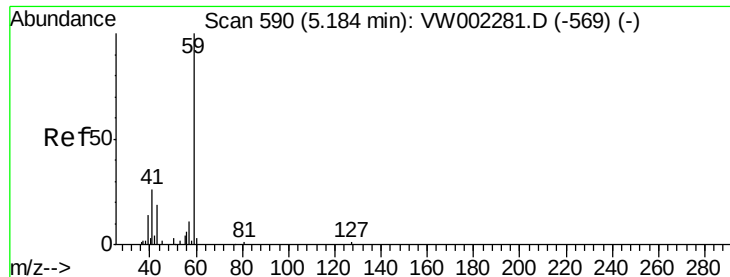


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



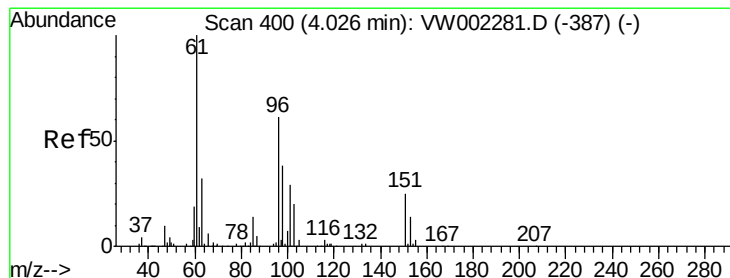
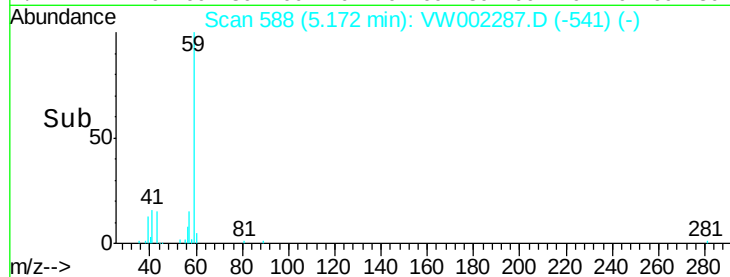
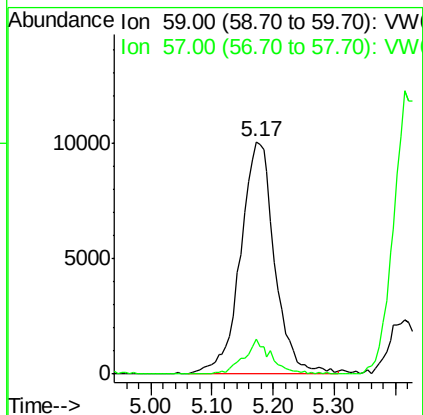
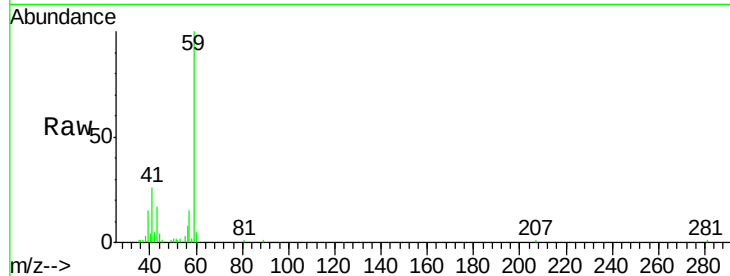


#11

Tert butyl alcohol
 Concen: 185.88 ug/l
 RT: 5.17 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

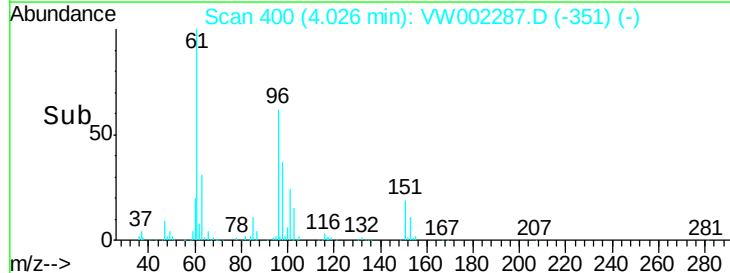
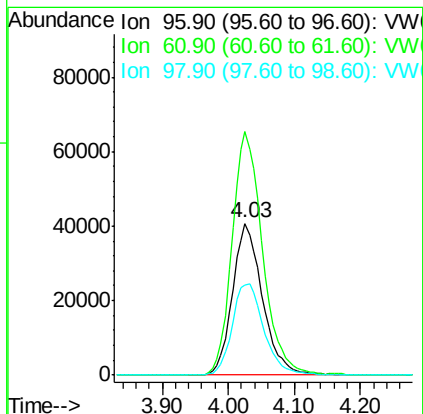
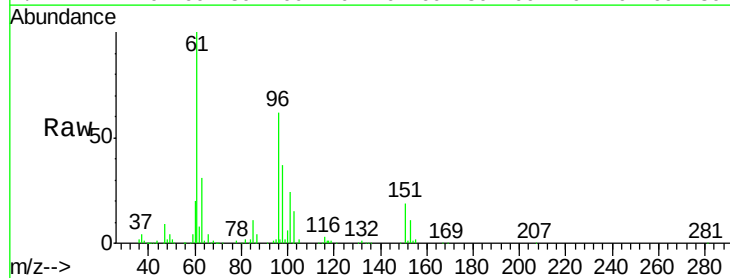
Tot Ion: 59 Resp: 39084
 Ion Ratio Lower Upper
 59 100
 57 12.2 3.9 5.9#

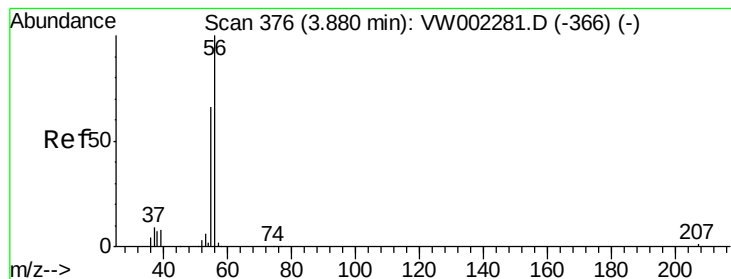


#12

1,1-Dichloroethene
 Concen: 51.86 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 96 Resp: 127870
 Ion Ratio Lower Upper
 96 100
 61 160.4 130.6 196.0
 98 59.7 49.0 73.4





#13

Acrolein

Concen: 208.92 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

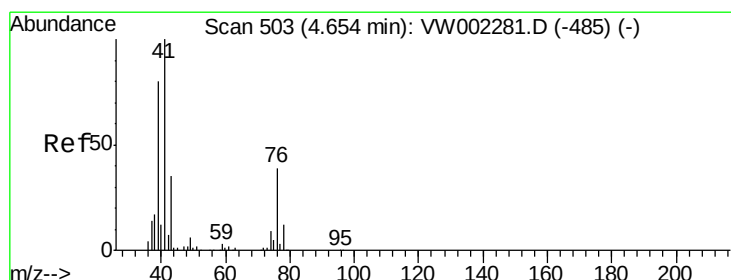
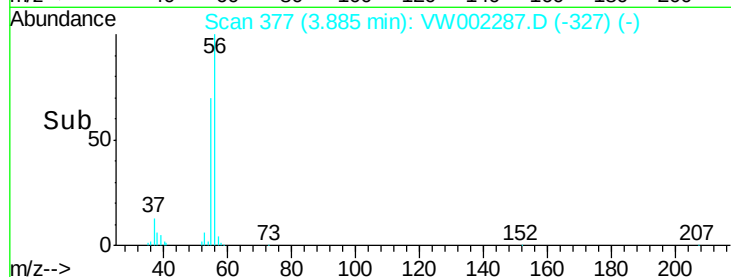
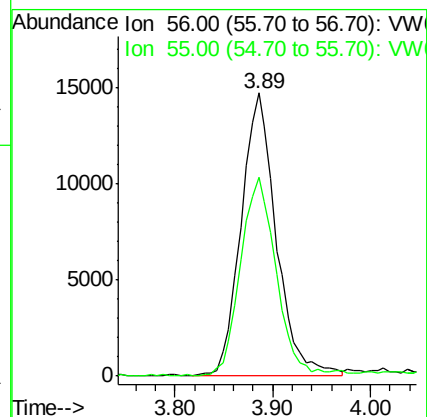
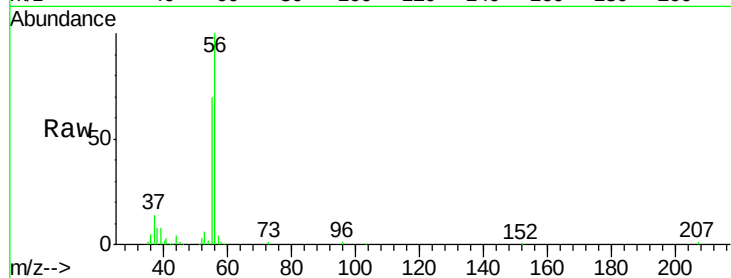
VSTDCCC050

Tot Ion: 56 Resp: 36779

Ion Ratio Lower Upper

56 100

55 71.3 57.3 85.9



#14

Allyl chloride

Concen: 53.94 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

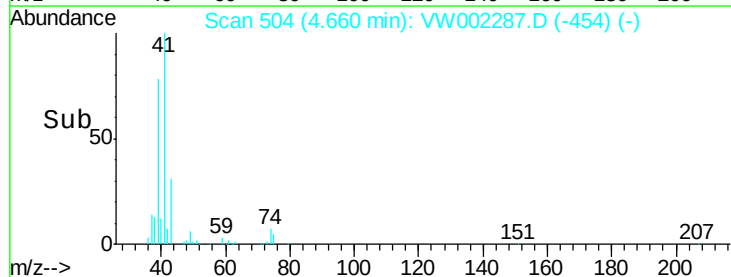
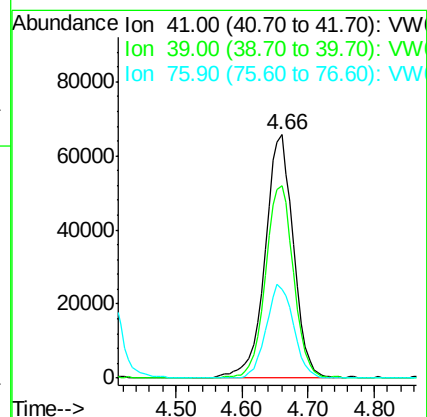
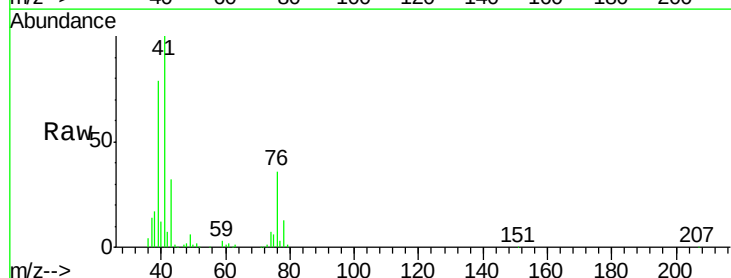
Tgt Ion: 41 Resp: 195431

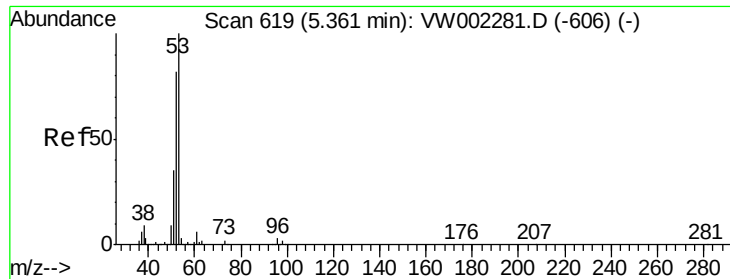
Ion Ratio Lower Upper

41 100

39 78.8 61.7 92.5

76 37.0 29.8 44.6





#15

Acrylonitrile

Concen: 199.79 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

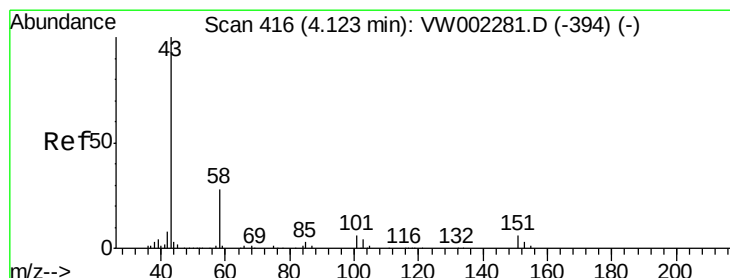
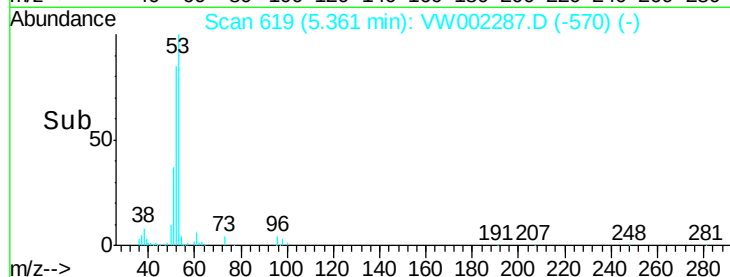
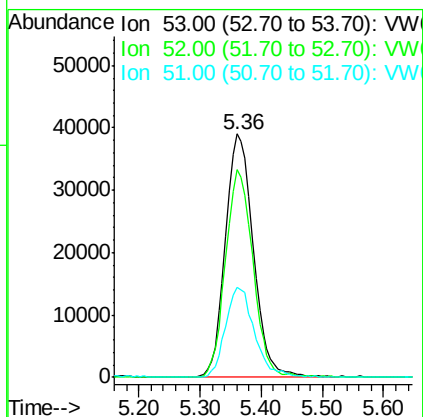
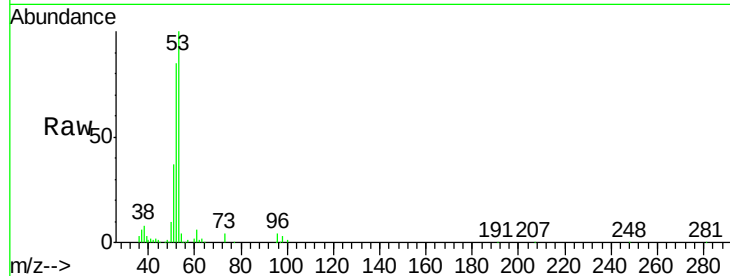
Tot Ion: 53 Resp: 123532

Ion Ratio Lower Upper

53 100

52 83.5 67.9 101.9

51 38.4 30.0 45.0



#16

Acetone

Concen: 278.12 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002287.D

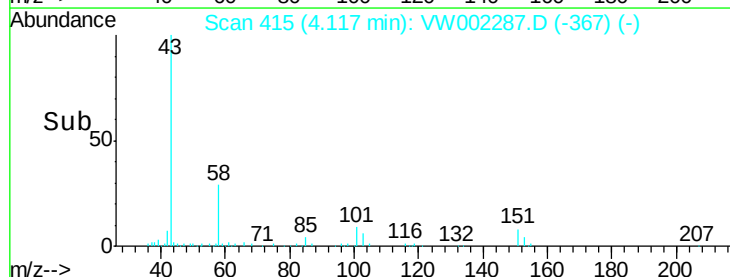
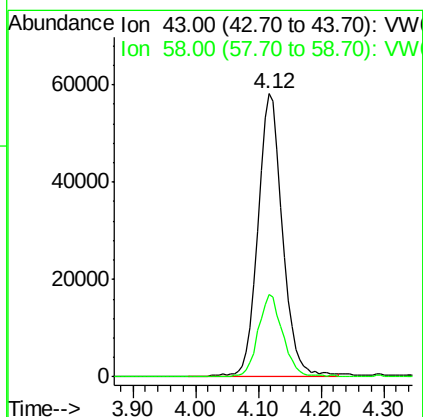
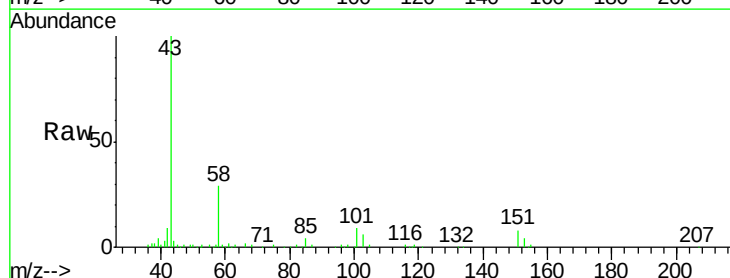
Acq: 08 May 2018 11:46

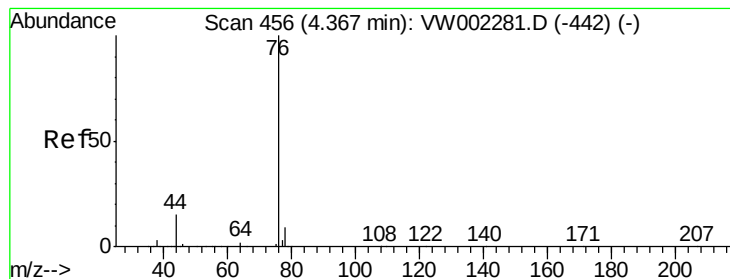
Tgt Ion: 43 Resp: 157129

Ion Ratio Lower Upper

43 100

58 29.2 22.2 33.4





#17

Carbon Disulfide

Concen: 53.17 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

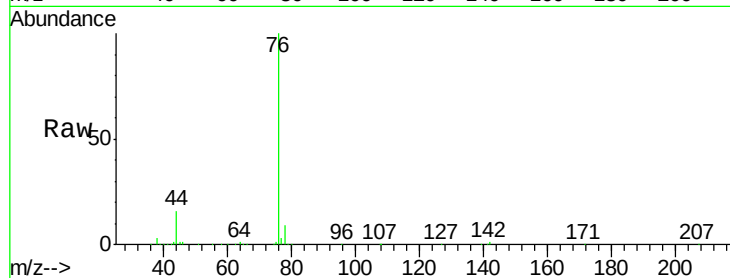
VSTDCCC050

Tot Ion: 76 Resp: 381248

Ion Ratio Lower Upper

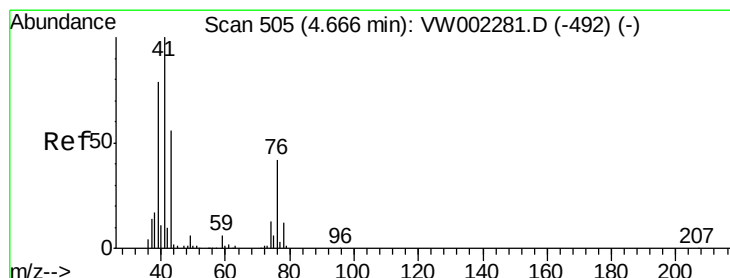
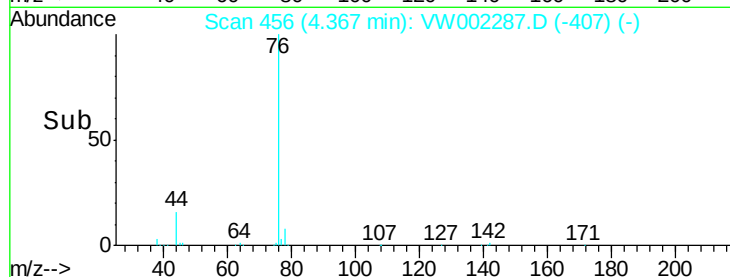
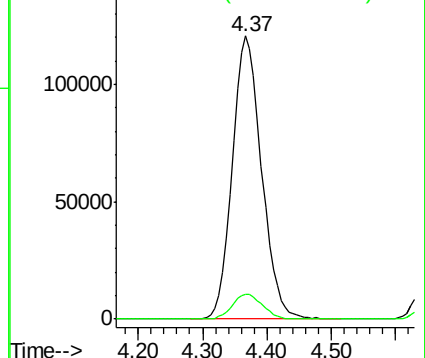
76 100

78 8.8 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 38.75 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002287.D

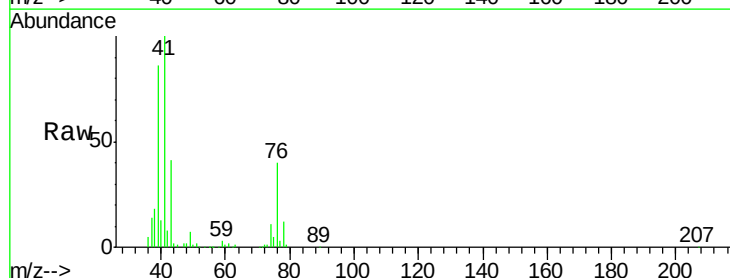
Acq: 08 May 2018 11:46

Tgt Ion: 43 Resp: 65690

Ion Ratio Lower Upper

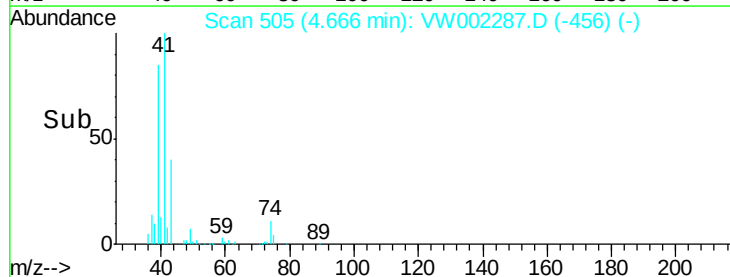
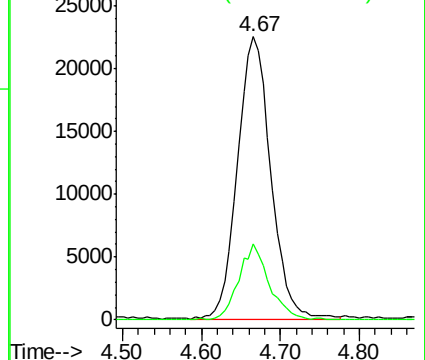
43 100

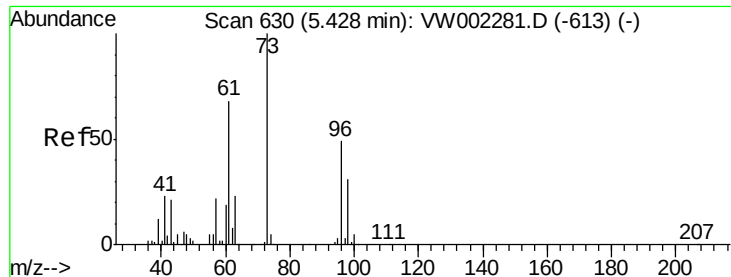
74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 44.25 ug/l

RT: 5.42 min Scan# 629

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

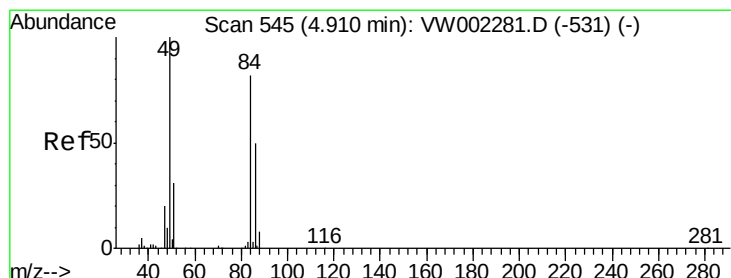
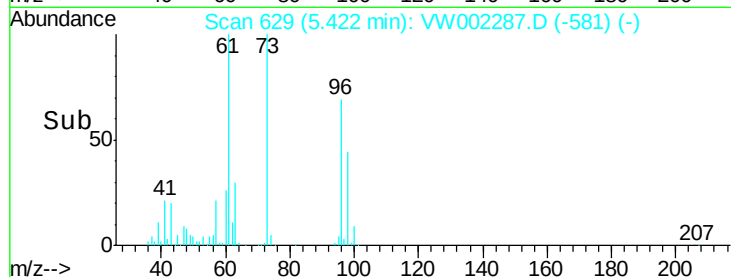
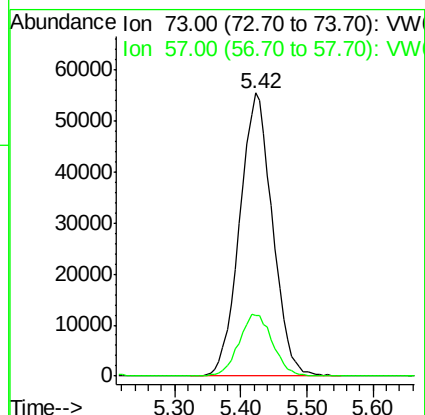
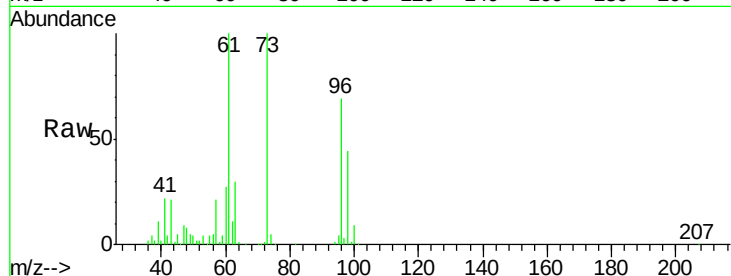
VSTDCCC050

Tot Ion: 73 Resp: 190752

Ion Ratio Lower Upper

73 100

57 21.3 17.7 26.5



#20

Methylene Chloride

Concen: 45.53 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Tgt Ion: 84 Resp: 124015

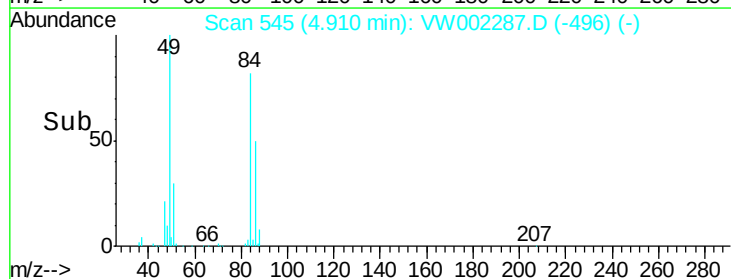
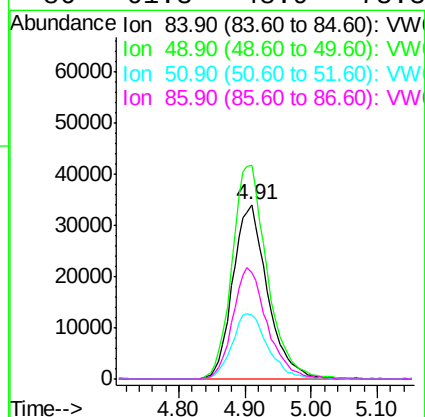
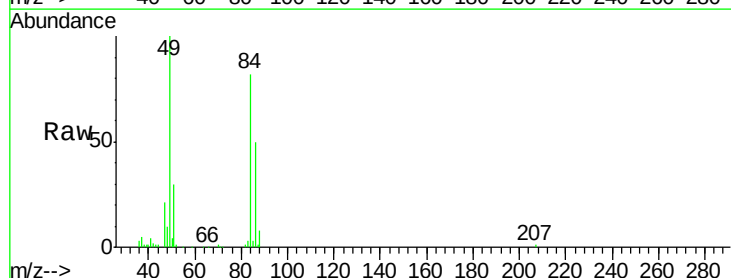
Ion Ratio Lower Upper

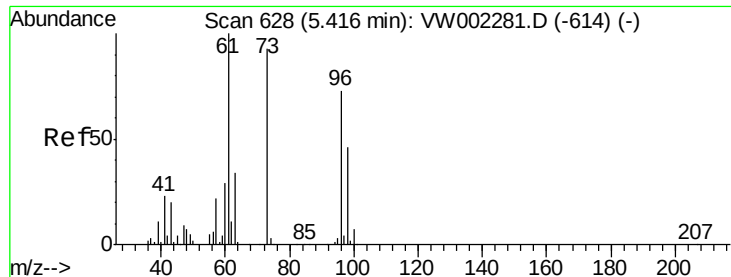
84 100

49 122.6 97.7 146.5

51 36.4 30.2 45.4

86 61.3 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 50.91 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

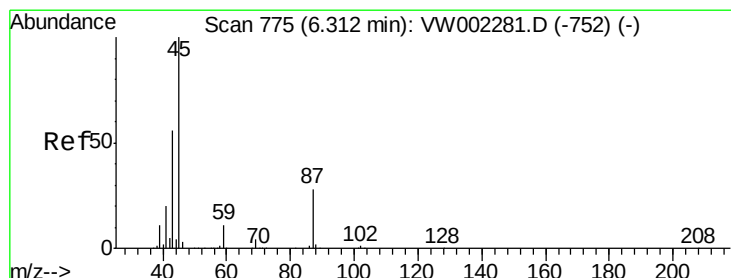
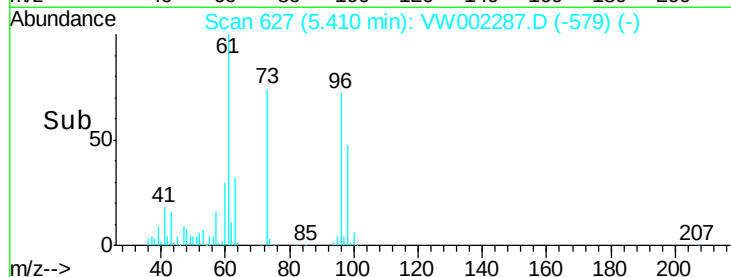
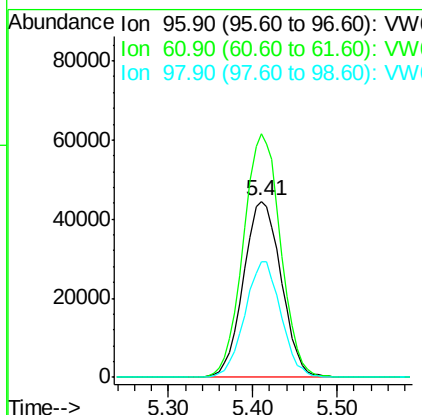
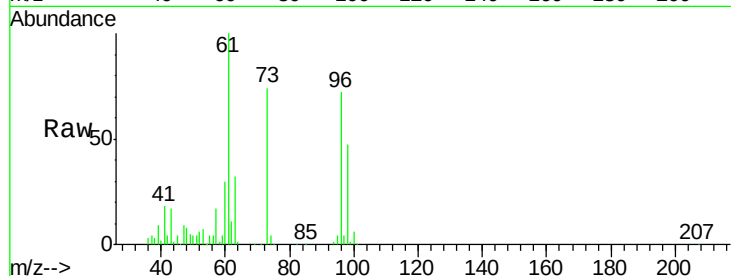
Tot Ion: 96 Resp: 13511

Ion Ratio Lower Upper

96 100

61 138.0 109.5 164.3

98 65.5 50.2 75.4



#22

Diisopropyl ether

Concen: 47.01 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Tgt Ion: 45 Resp: 373391

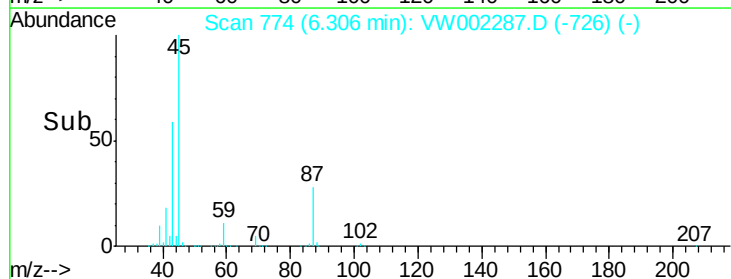
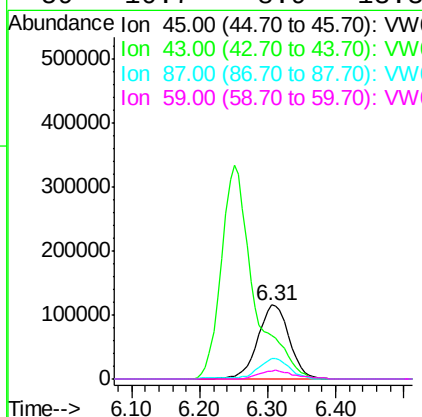
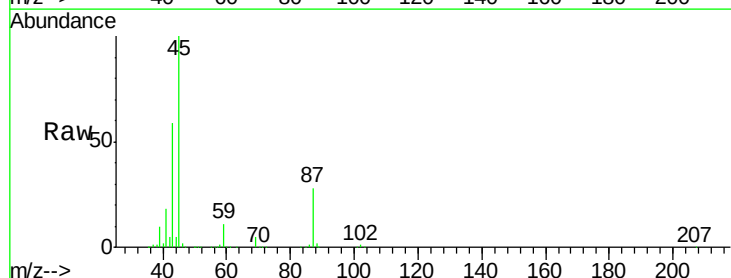
Ion Ratio Lower Upper

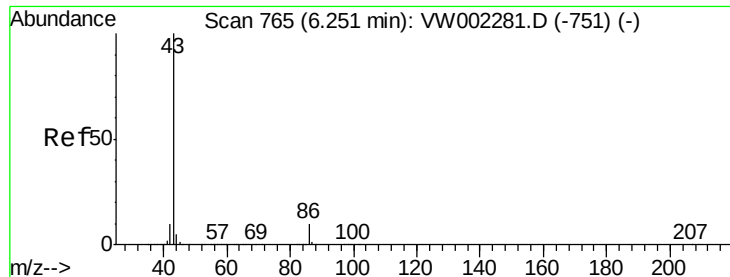
45 100

43 58.9 44.5 66.7

87 28.0 22.2 33.4

59 10.7 8.9 13.3





#23

Vinyl Acetate

Concen: 230.36 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

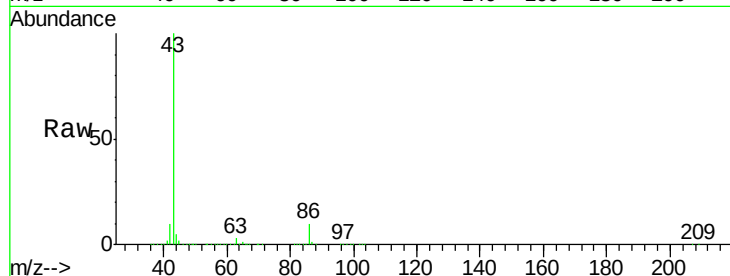
VSTDCCC050

Tot Ion: 43 Resp: 1095719

Ion Ratio Lower Upper

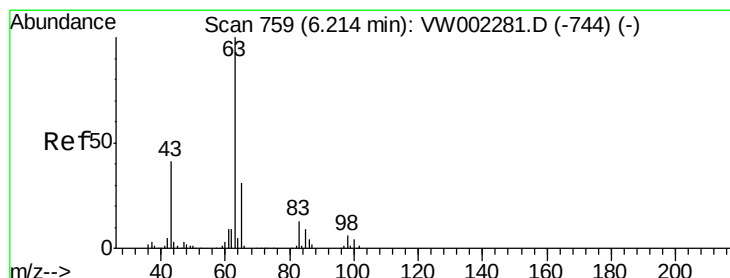
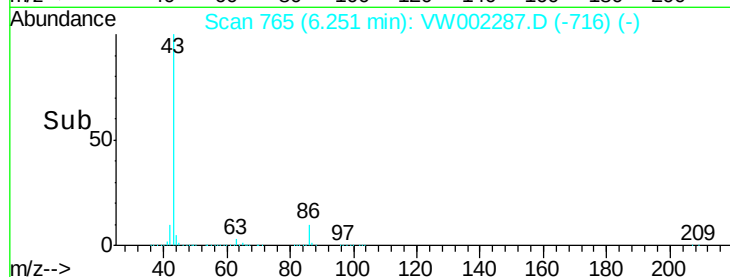
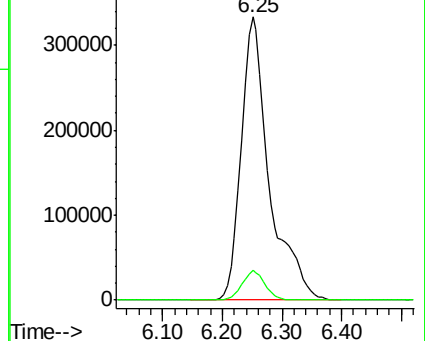
43 100

86 10.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.15 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

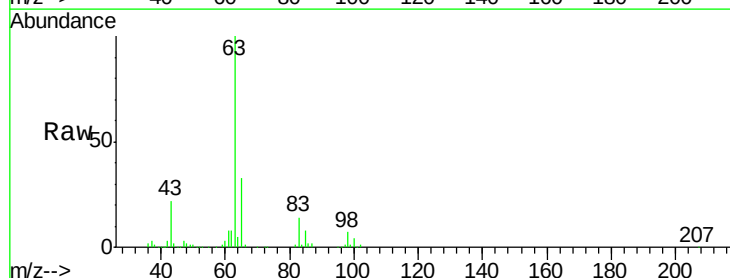
Tgt Ion: 63 Resp: 236716

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

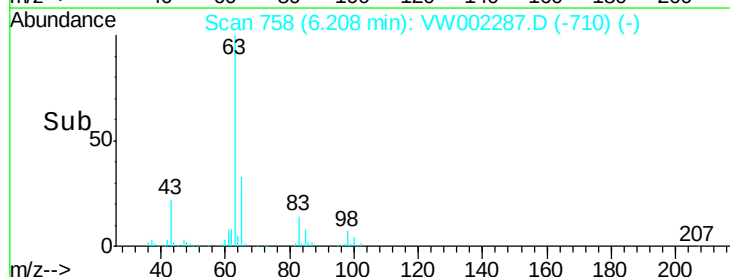
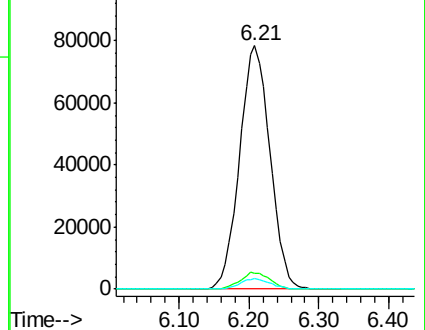
100 4.3 2.0 6.0

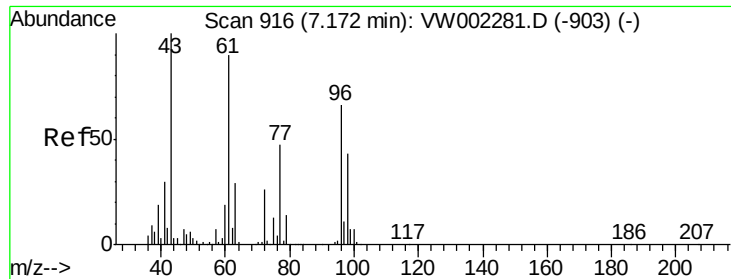


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 208.87 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

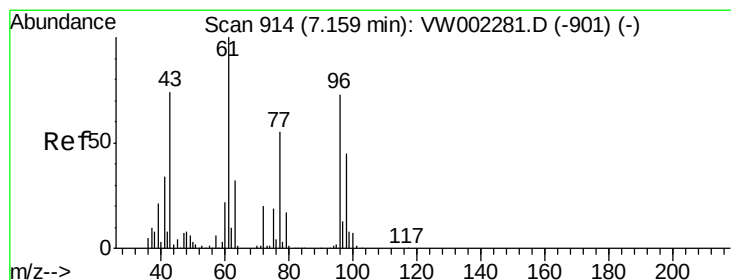
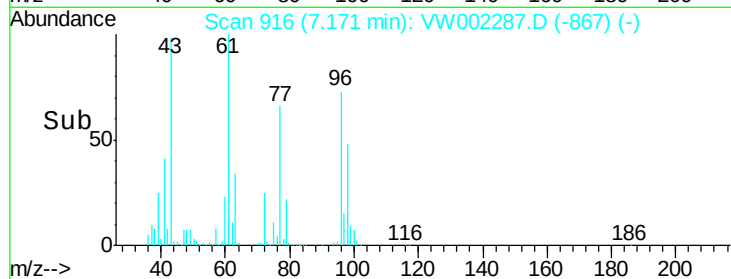
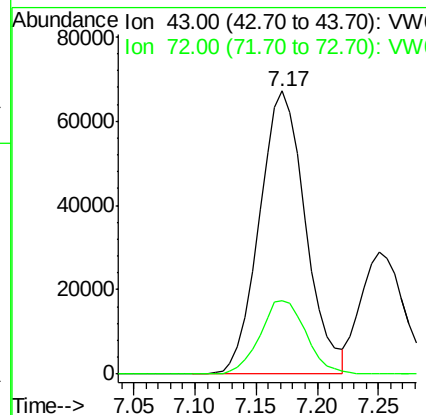
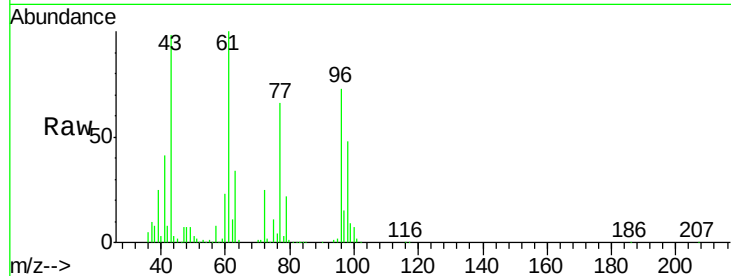
VSTDCCC050

Tot Ion: 43 Resp: 175220

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 62.17 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002287.D

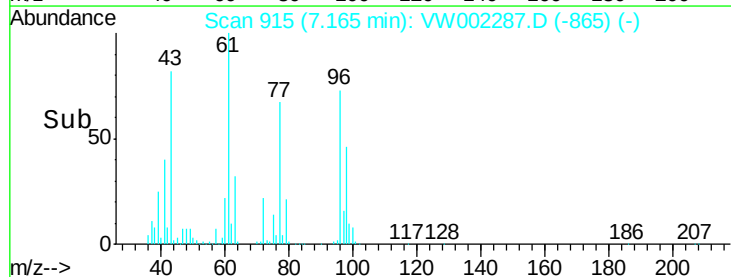
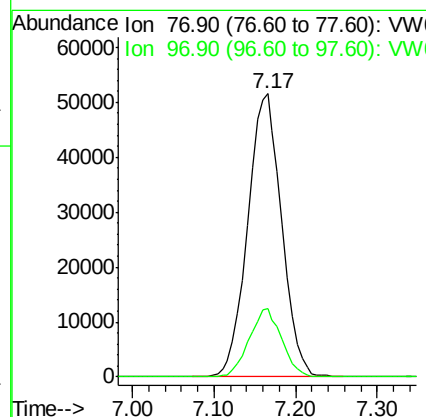
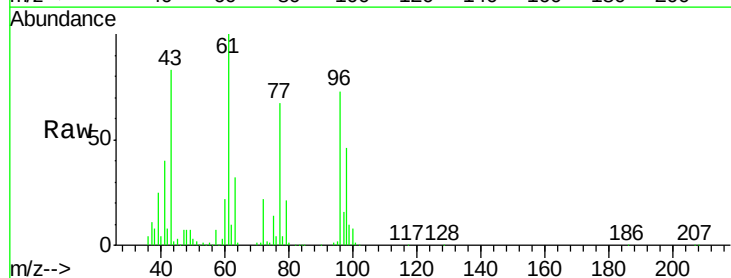
Acq: 08 May 2018 11:46

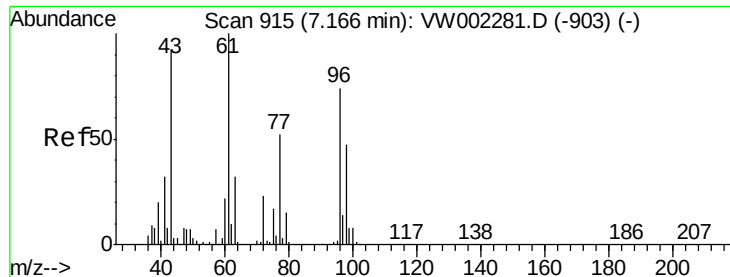
Tgt Ion: 77 Resp: 149240

Ion Ratio Lower Upper

77 100

97 23.0 12.7 38.0





#27

cis-1,2-Dichloroethene

Concen: 48.50 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

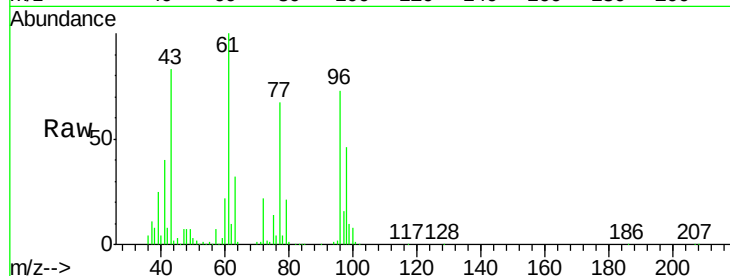
Tot Ion: 96 Resp: 145518

Ion Ratio Lower Upper

96 100

61 140.8 0.0 274.8

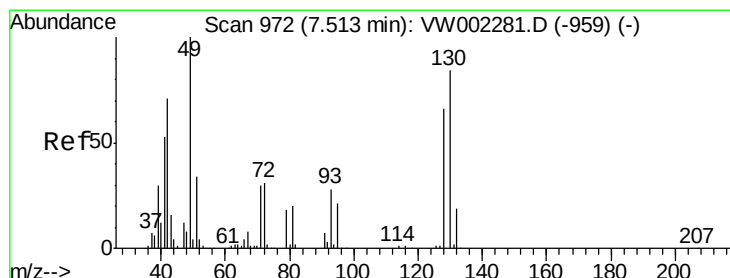
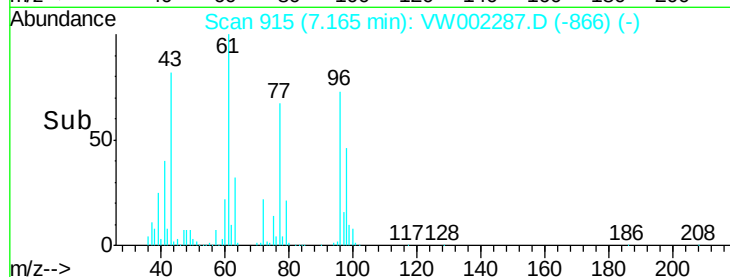
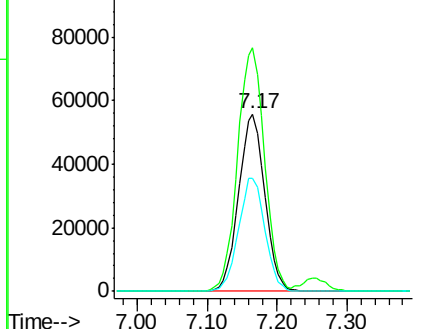
98 64.2 0.0 128.4



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



#28

Bromochloromethane

Concen: 41.82 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

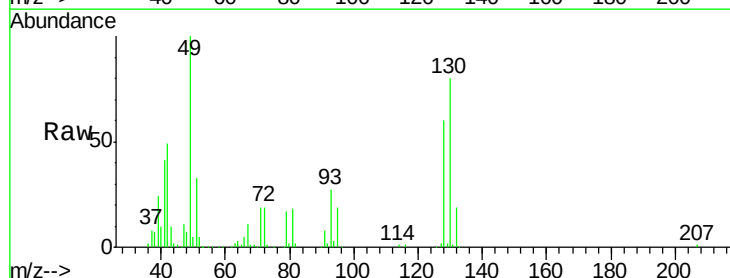
Tgt Ion: 49 Resp: 91099

Ion Ratio Lower Upper

49 100

129 2.5 0.0 2.4#

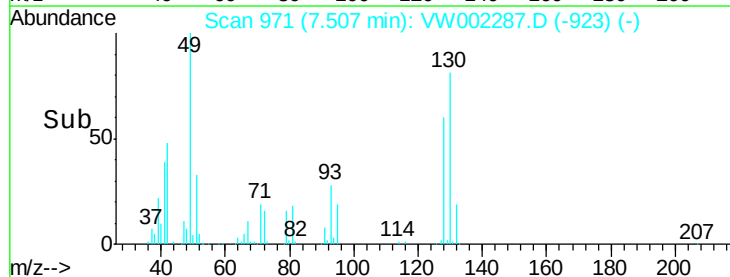
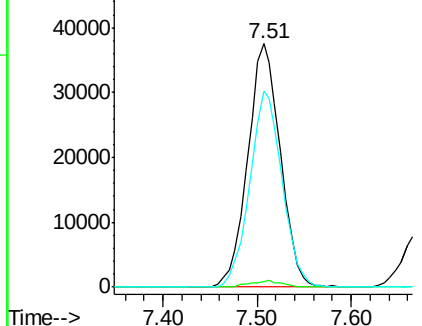
130 80.1 65.5 98.3

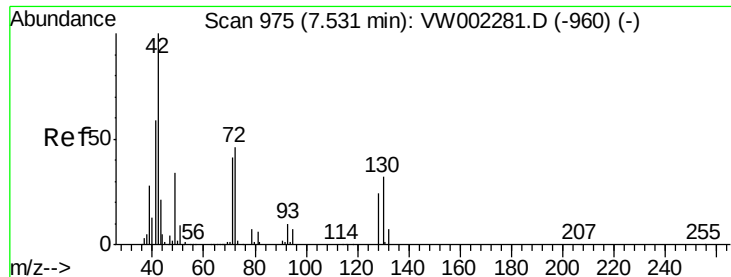


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 189.51 ug/l

RT: 7.52 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

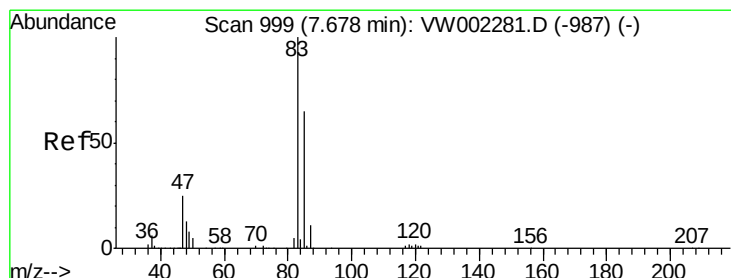
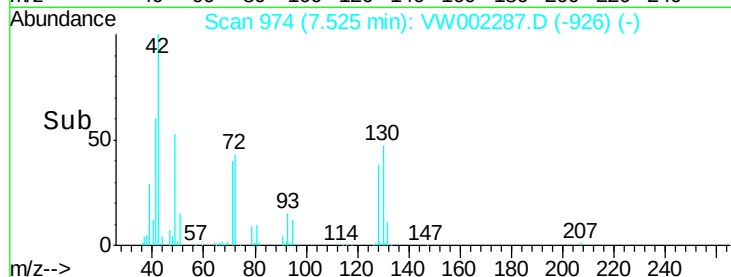
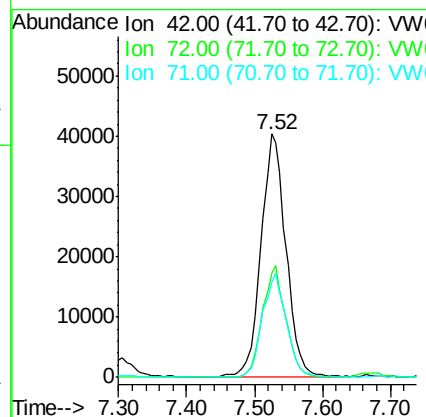
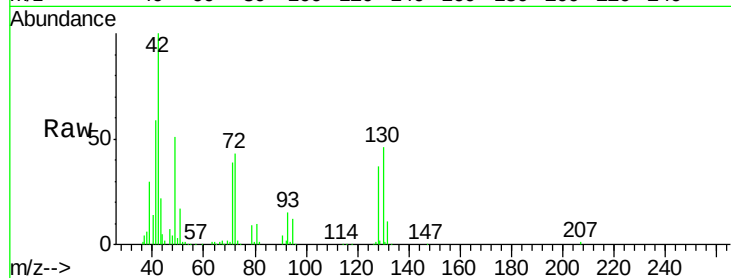
Tot Ion: 42 Resp: 104269

Ion Ratio Lower Upper

42 100

72 42.6 34.5 51.7

71 40.8 33.0 49.6



#30

Chloroform

Concen: 47.38 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002287.D

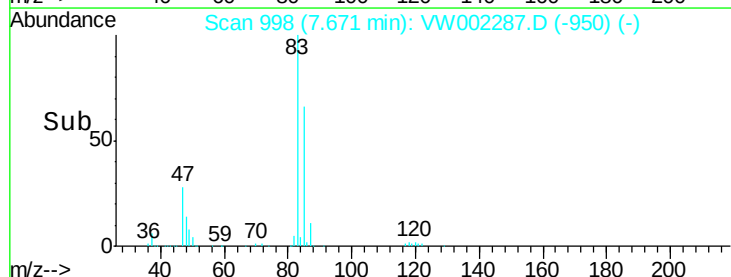
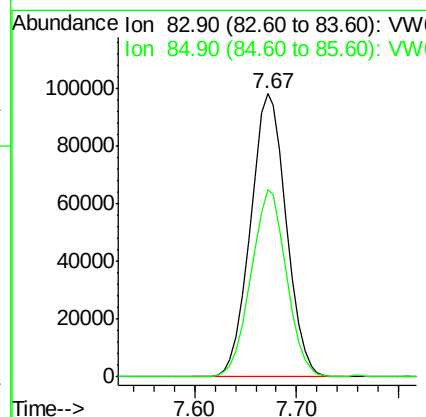
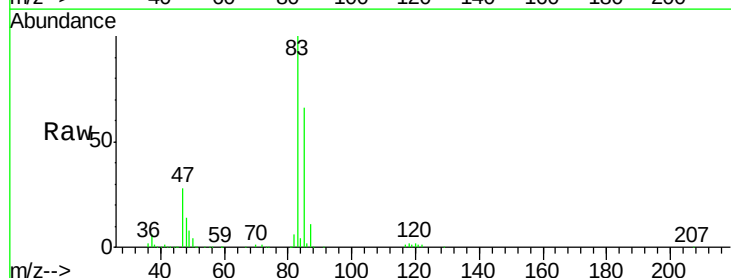
Acq: 08 May 2018 11:46

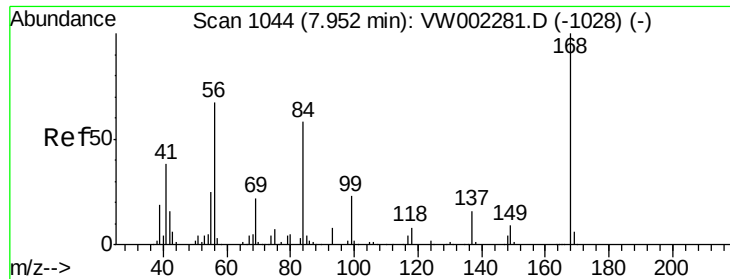
Tgt Ion: 83 Resp: 238898

Ion Ratio Lower Upper

83 100

85 66.0 51.8 77.6

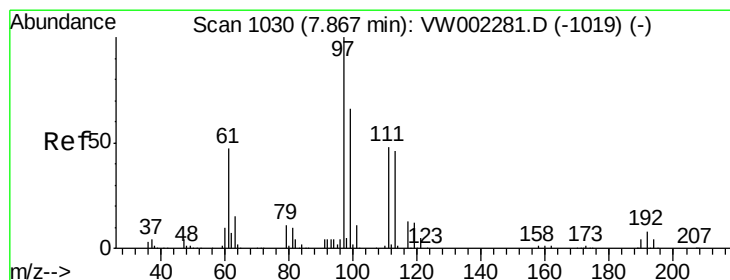
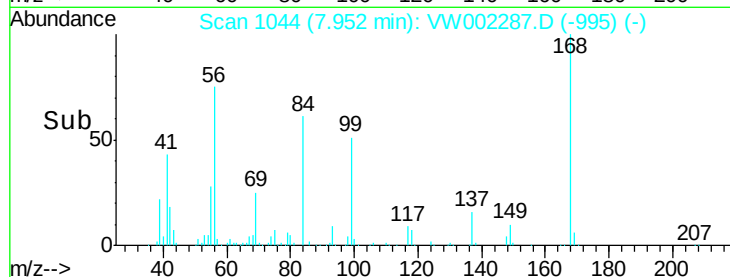
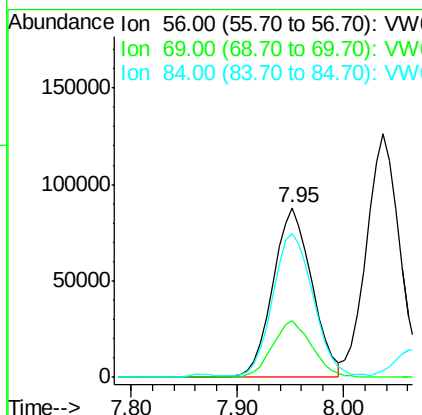
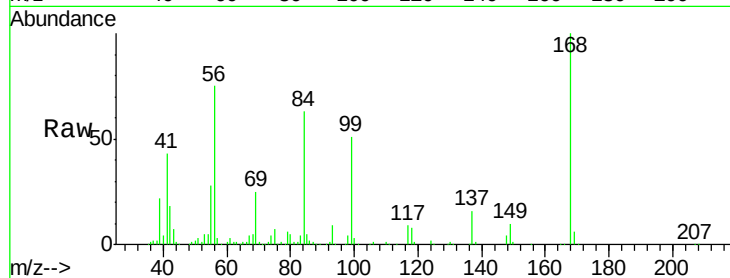




#31
Cyclohexane
Concen: 51.71 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

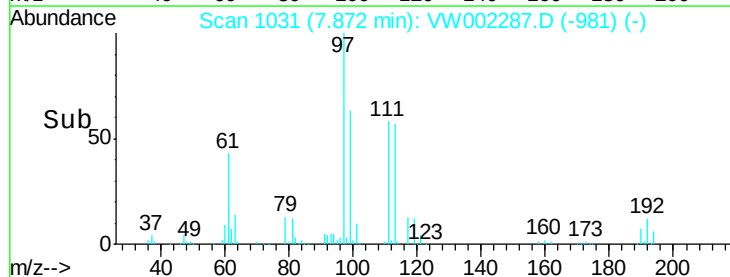
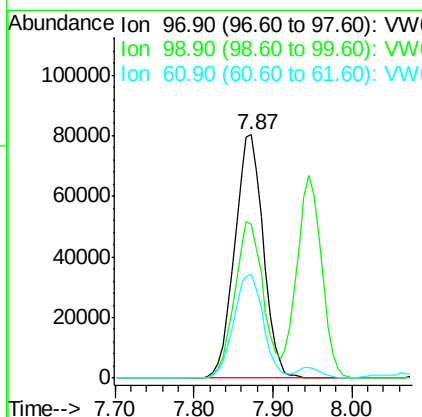
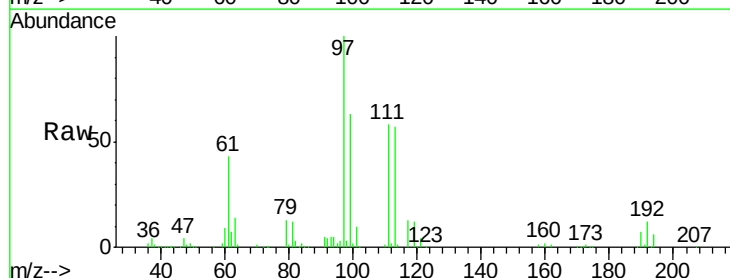
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

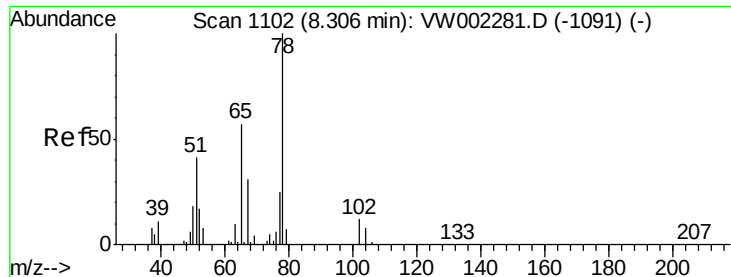
Tot Ion: 56 Resp: 222278
Ion Ratio Lower Upper
56 100
69 33.0 26.2 39.4
84 83.0 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 53.50 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion: 97 Resp: 202750
Ion Ratio Lower Upper
97 100
99 64.2 52.6 79.0
61 43.9 35.6 53.4

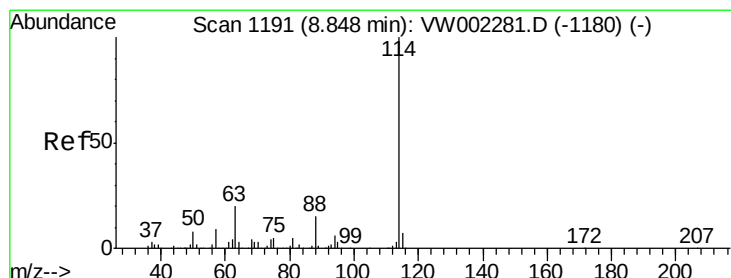
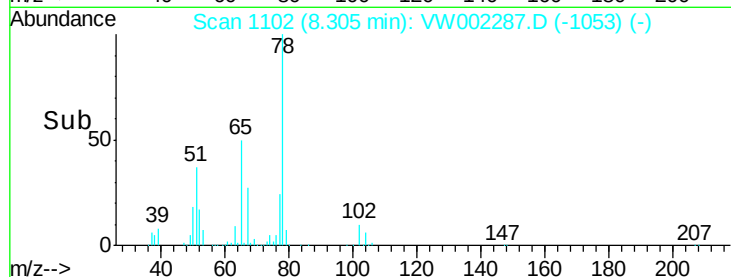
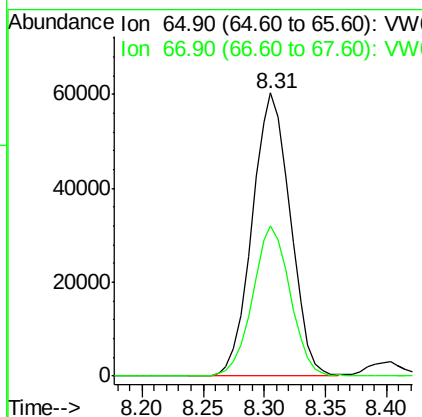
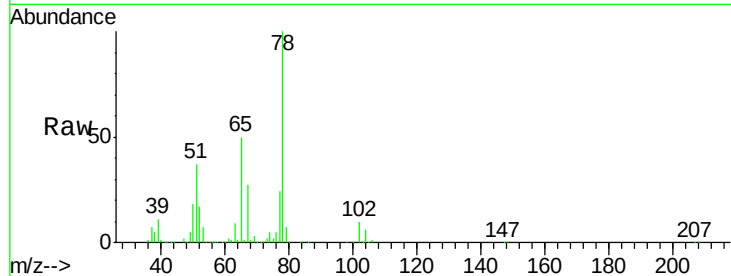




#33
 1,2-Dichloroethane-d4
 Concen: 45.24 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

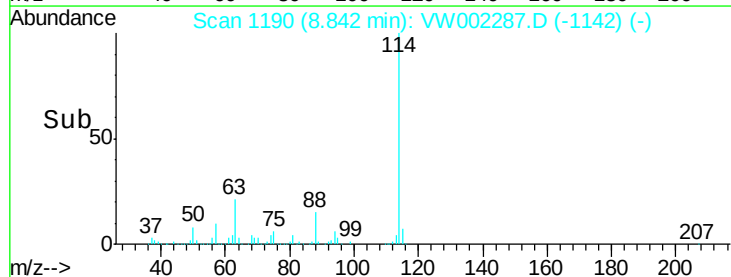
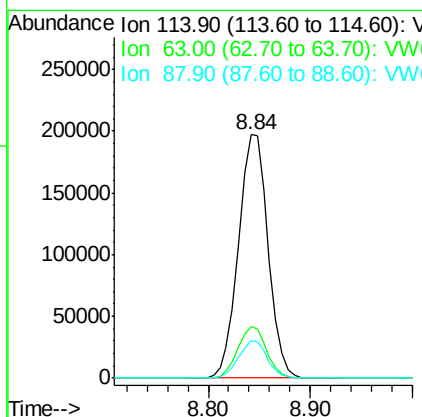
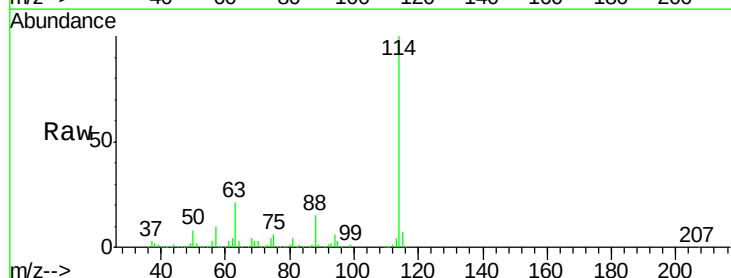
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

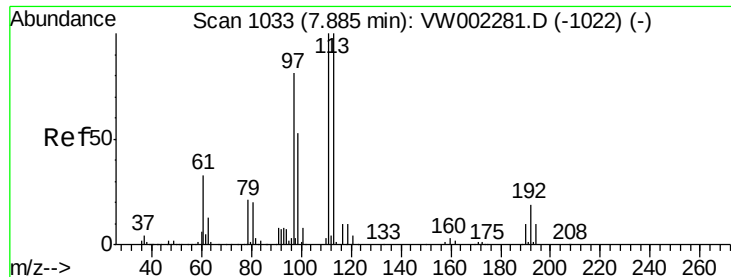
Tot Ion: 65 Resp: 130884
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 114 Resp: 395785
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 15.4 0.0 29.6

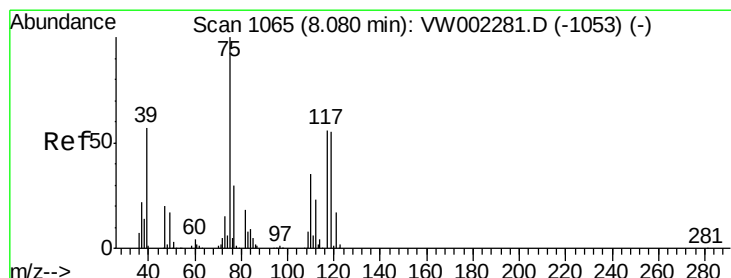
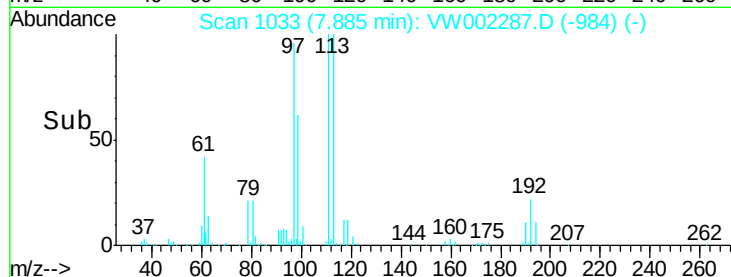
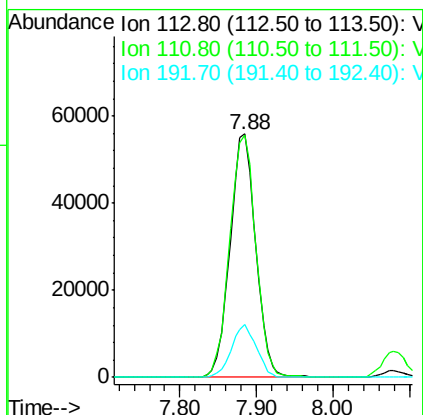
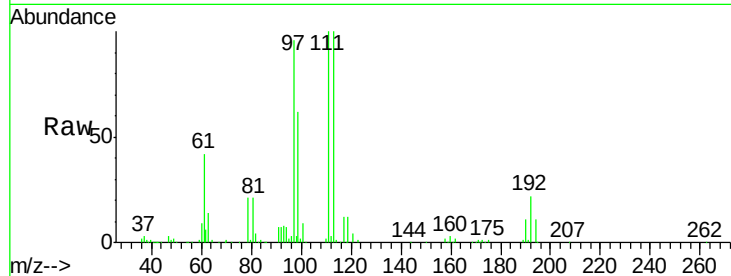




#35
 Dibromofluoromethane
 Concen: 51.12 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

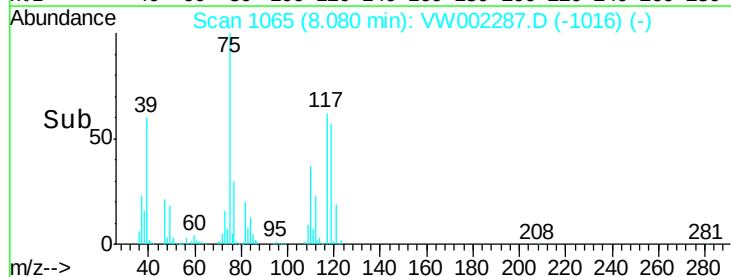
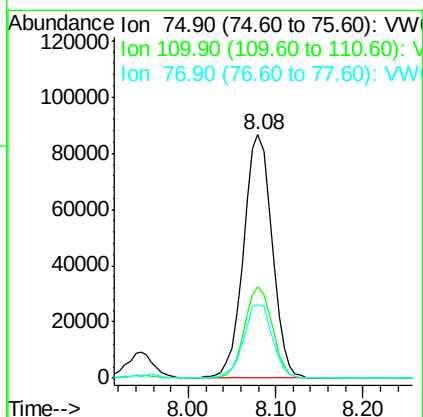
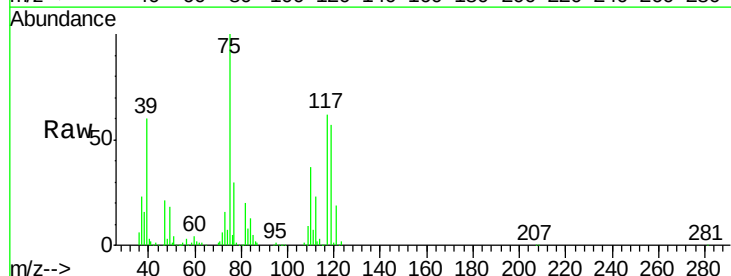
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

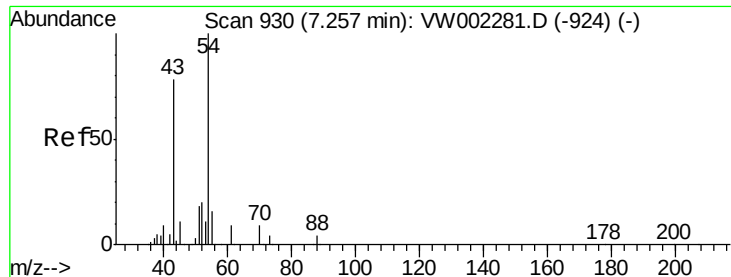
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	20.9	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 54.99 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	30.6	24.5	36.7

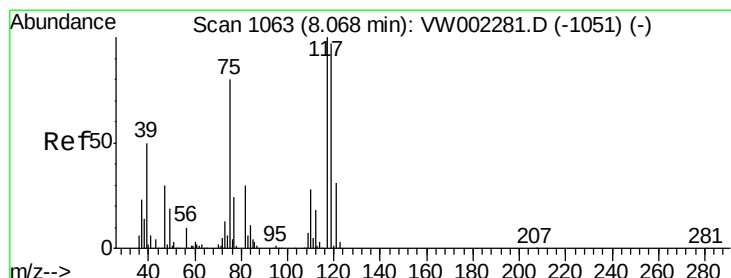
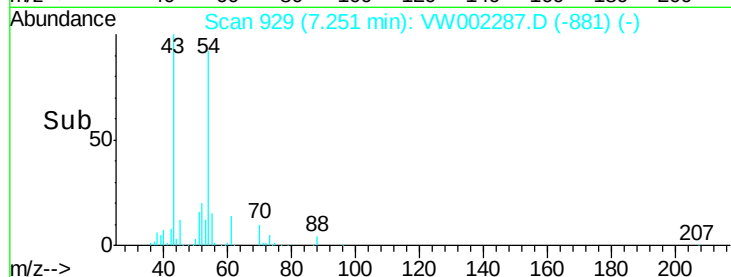
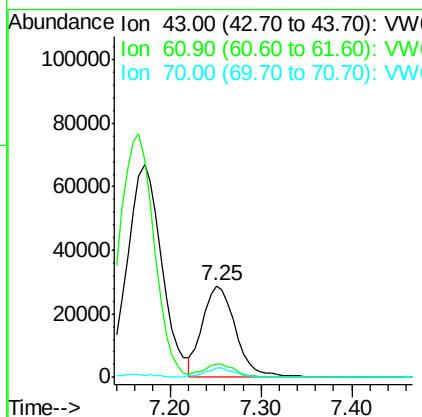
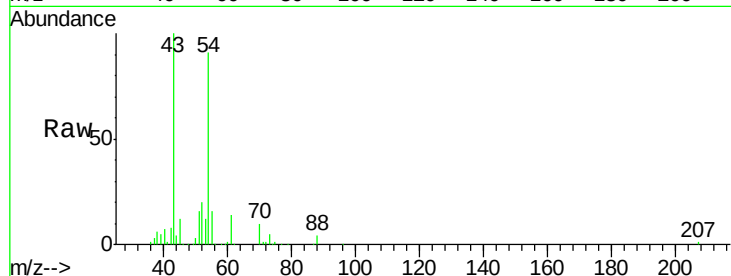




#37
Ethyl Acetate
Concen: 41.85 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

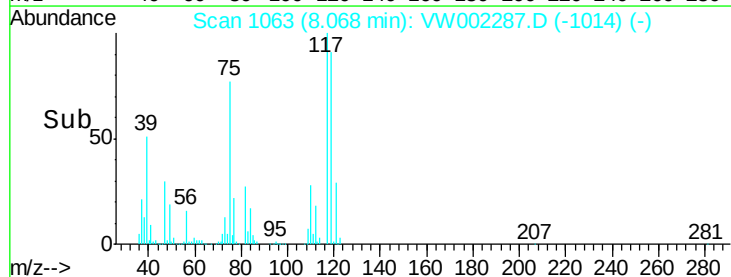
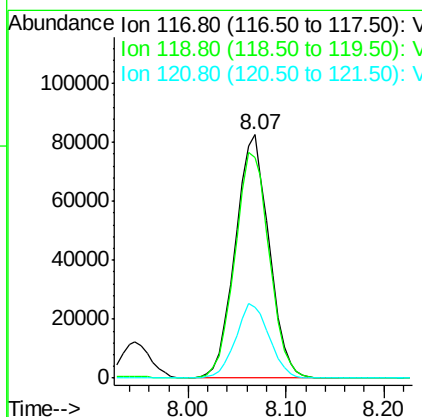
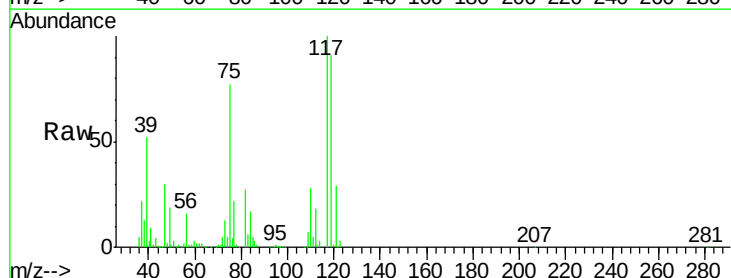
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

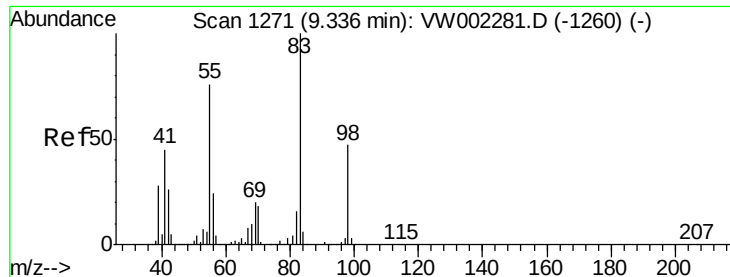
Tot Ion: 43 Resp: 73007
Ion Ratio Lower Upper
43 100
61 14.6 11.1 16.7
70 9.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 57.23 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion: 117 Resp: 198111
Ion Ratio Lower Upper
117 100
119 90.5 77.5 116.3
121 29.3 24.4 36.6

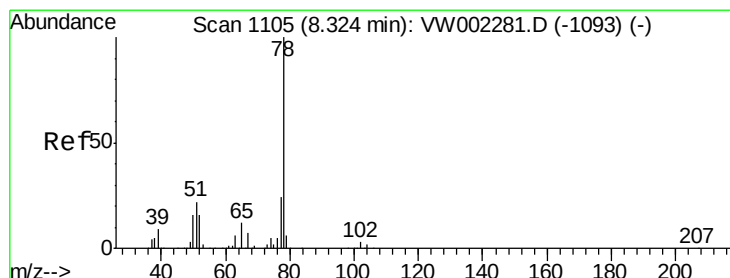
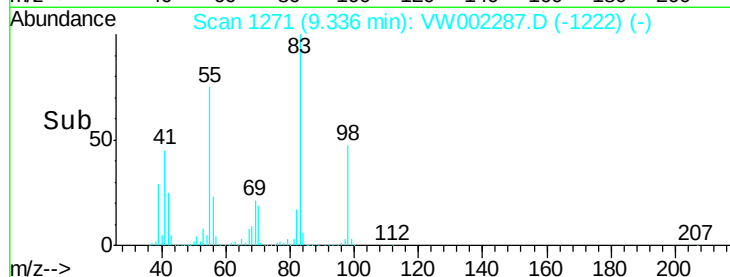
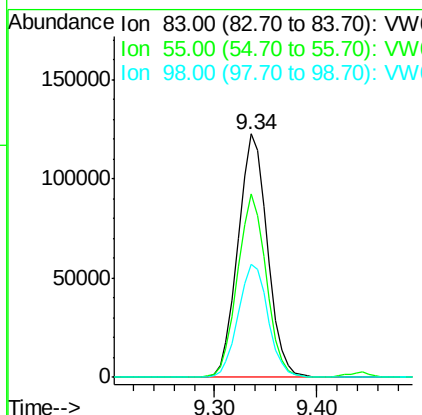
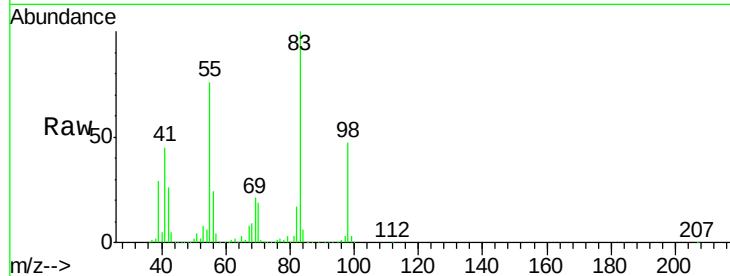




#39
Methylvlcyclohexane
Concen: 58.79 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

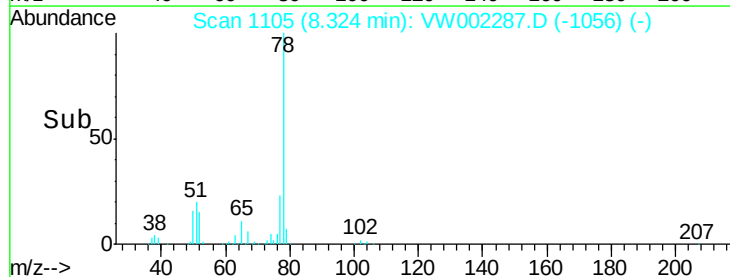
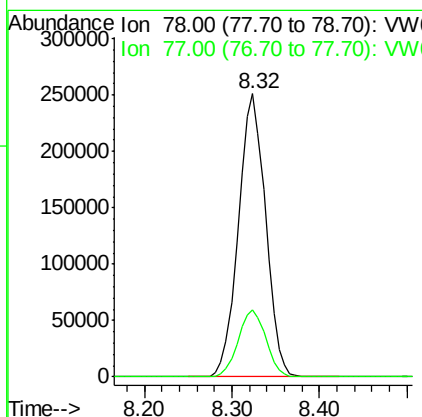
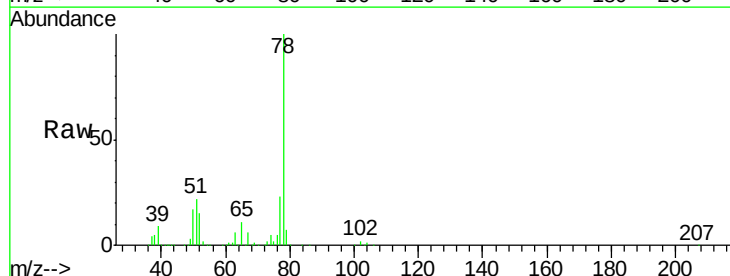
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

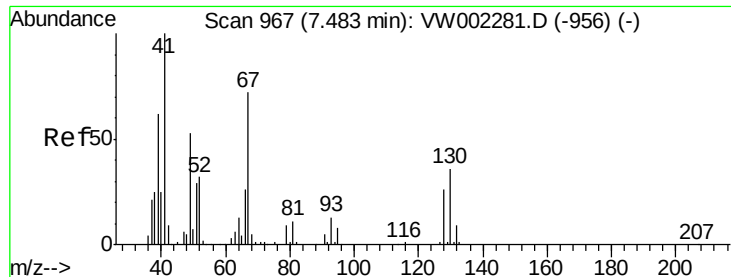
Tot Ion: 83 Resp: 245560
Ion Ratio Lower Upper
83 100
55 75.6 60.6 91.0
98 46.5 37.4 56.0



#40
Benzene
Concen: 51.79 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion: 78 Resp: 541908
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9





#41

Methacrylonitrile

Concen: 42.22 ug/l

RT: 7.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 42206

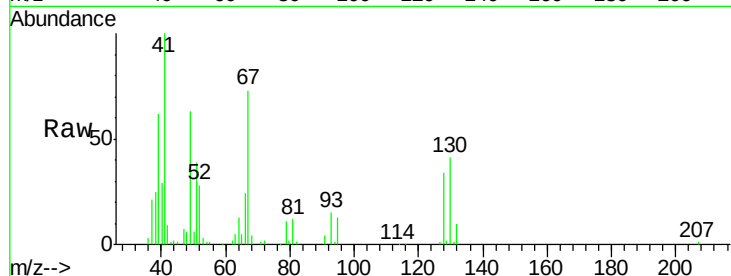
Ion Ratio Lower Upper

41 100

39 57.9 40.2 60.4

67 75.4 54.7 82.1

52 31.8 23.6 35.4

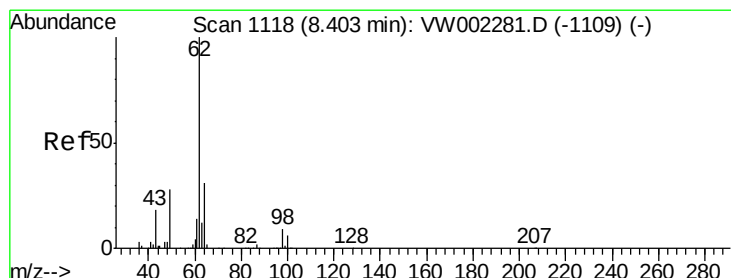
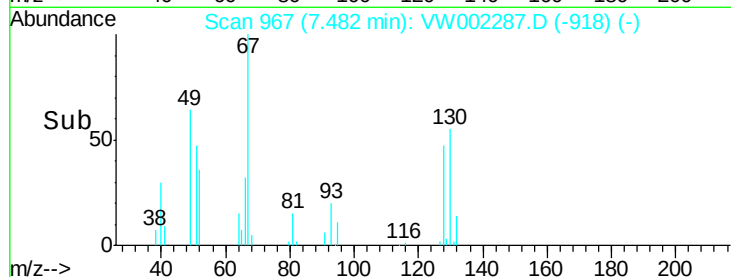
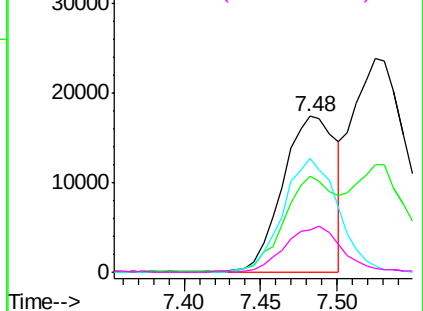


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 46.88 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW002287.D

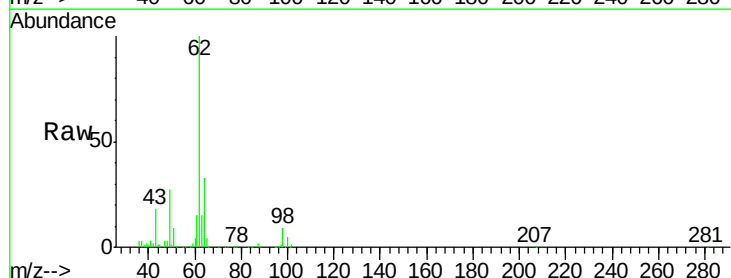
Acq: 08 May 2018 11:46

Tgt Ion: 62 Resp: 152960

Ion Ratio Lower Upper

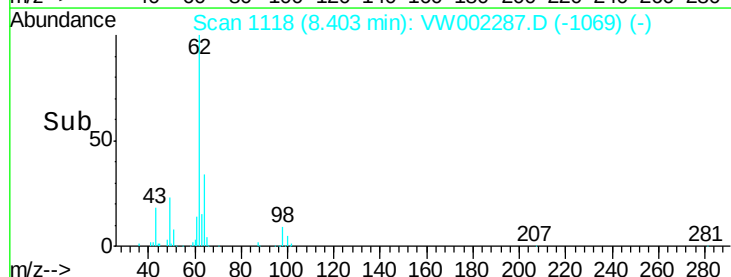
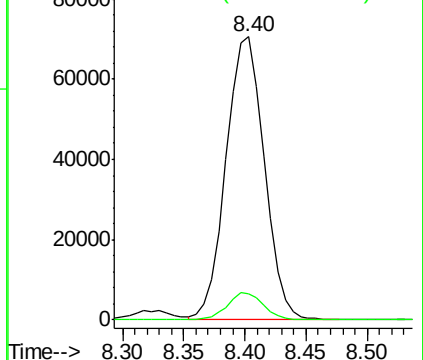
62 100

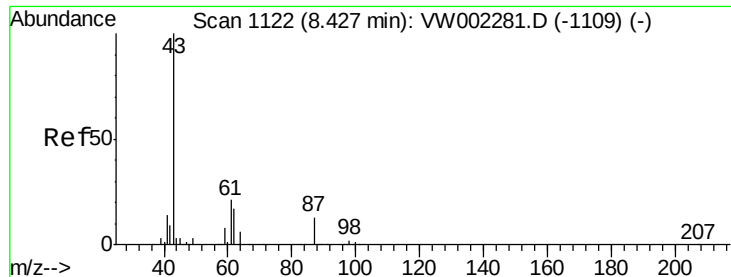
98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 42.88 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

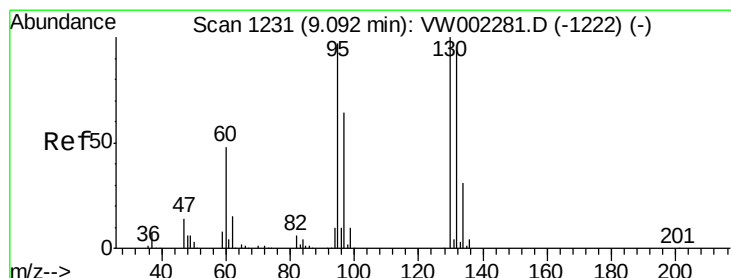
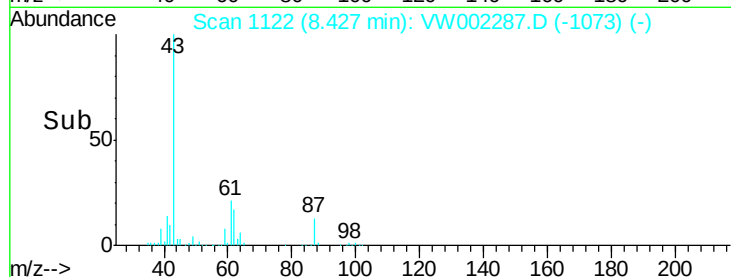
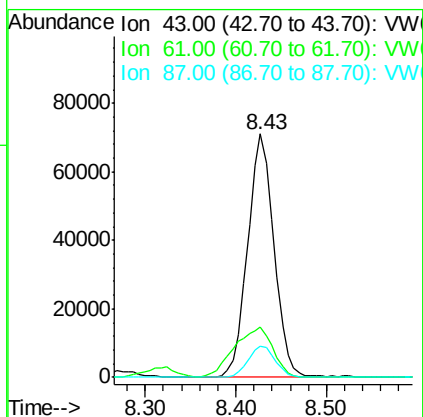
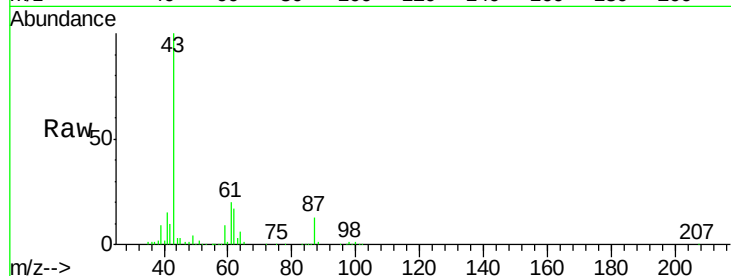
Tot Ion: 43 Resp: 141895

Ion Ratio Lower Upper

43 100

61 30.1 23.7 35.5

87 13.3 10.7 16.1



#44

Trichloroethene

Concen: 53.45 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002287.D

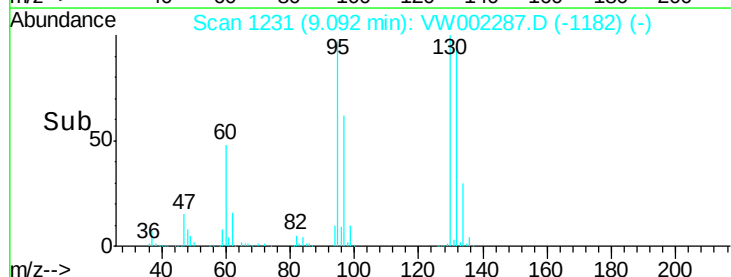
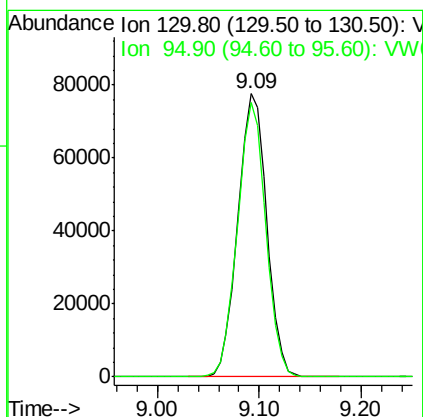
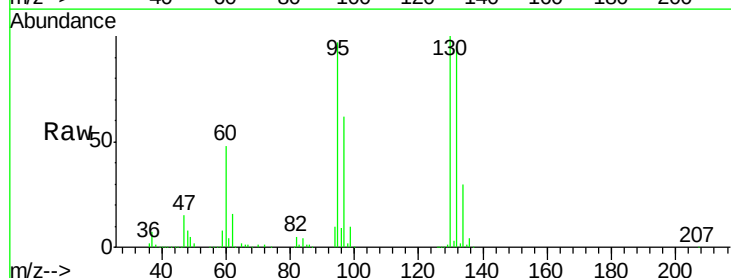
Acq: 08 May 2018 11:46

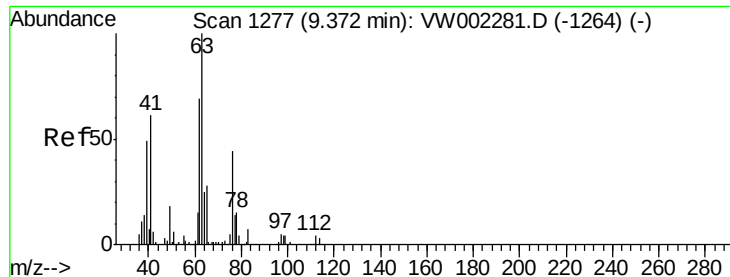
Tgt Ion: 130 Resp: 152470

Ion Ratio Lower Upper

130 100

95 96.8 0.0 193.4





#45

1,2-Dichloropropane

Concen: 49.67 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

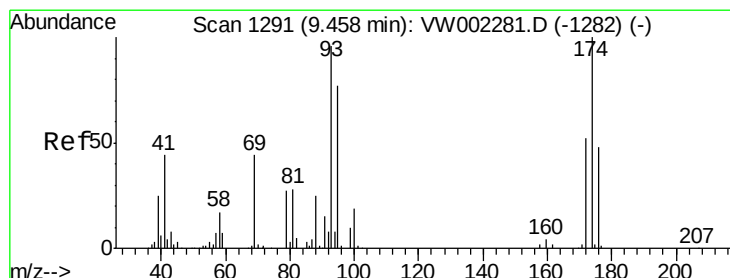
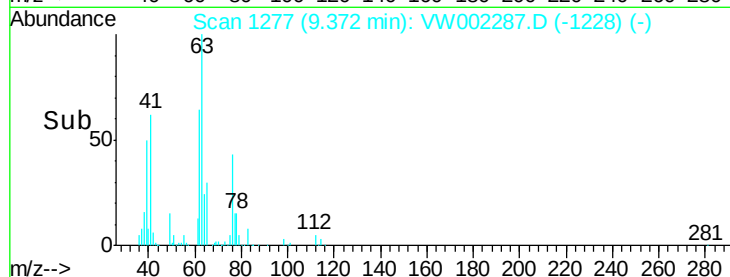
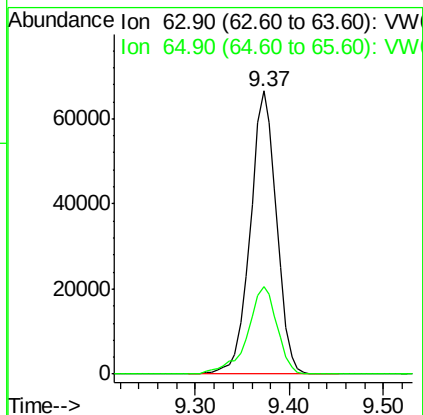
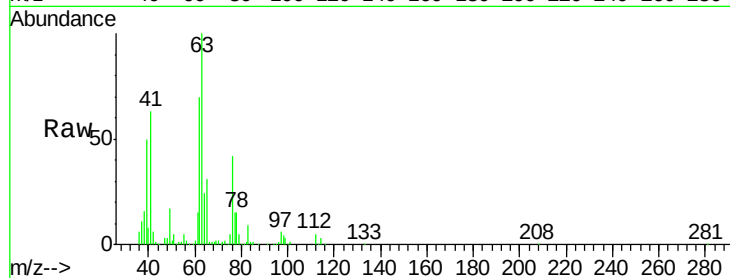
VSTDCCC050

Tot Ion: 63 Resp: 130221

Ion Ratio Lower Upper

63 100

65 30.9 22.9 34.3



#46

Dibromomethane

Concen: 46.71 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

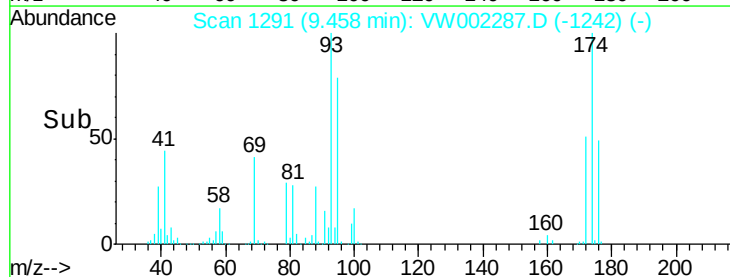
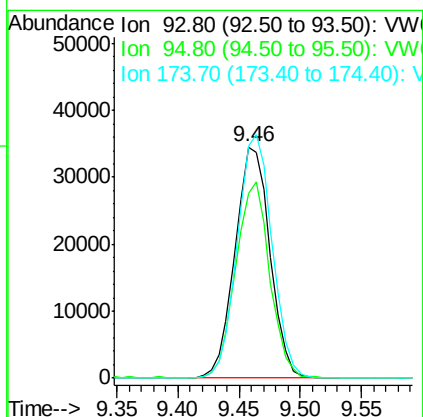
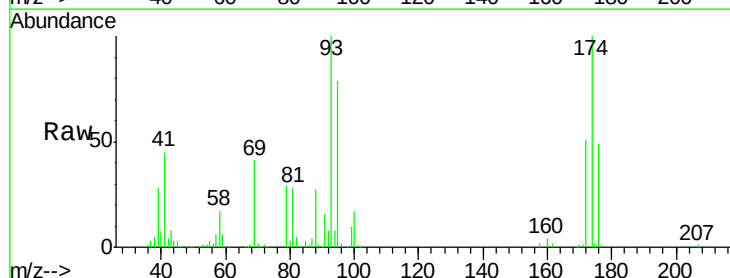
Tgt Ion: 93 Resp: 68442

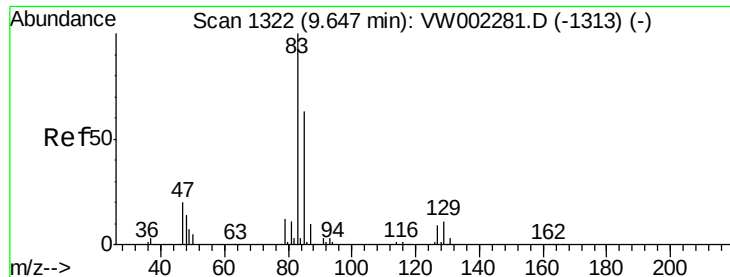
Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 105.0 86.8 130.2





#47

Bromodichloromethane

Concen: 50.33 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

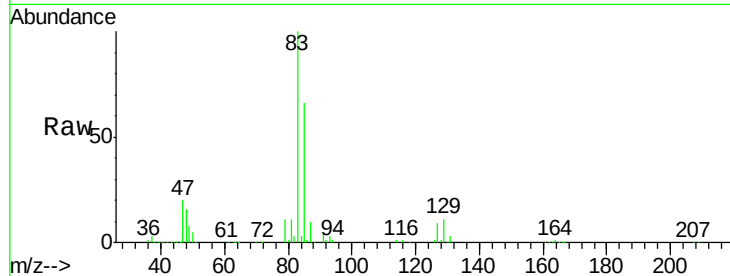
Tot Ion: 83 Resp: 174058

Ion Ratio Lower Upper

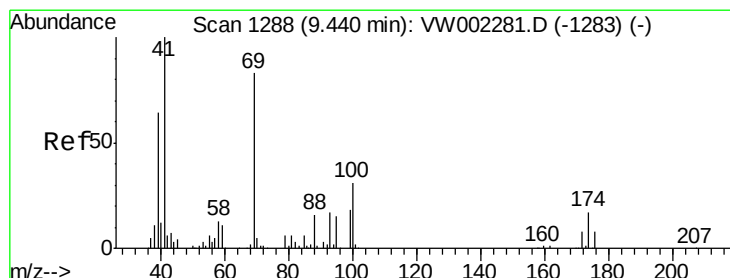
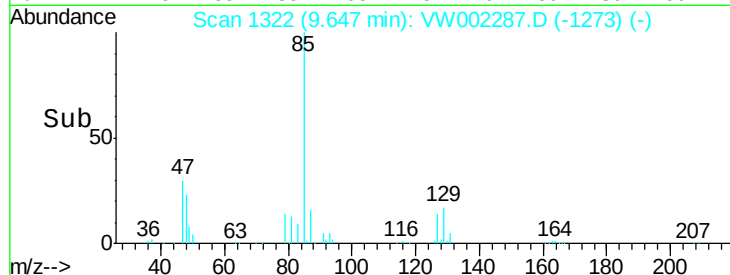
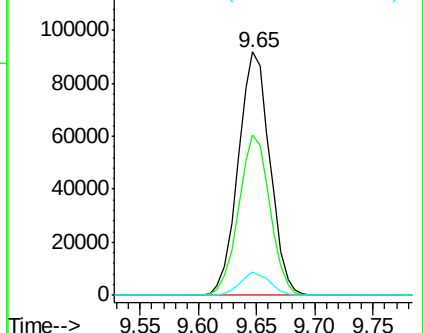
83 100

85 65.6 50.2 75.2

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: 43.98 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

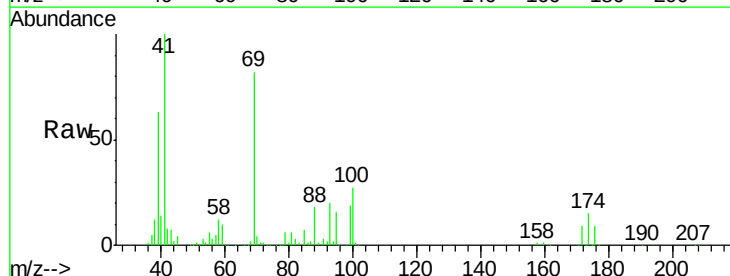
Tgt Ion: 41 Resp: 70667

Ion Ratio Lower Upper

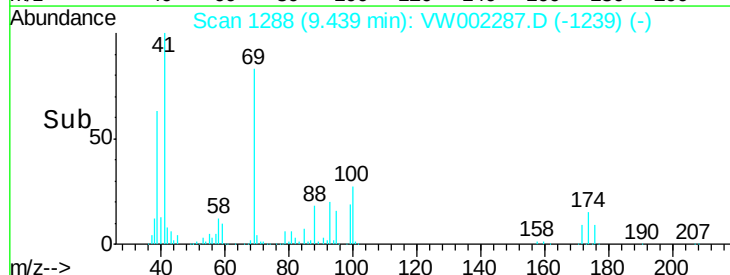
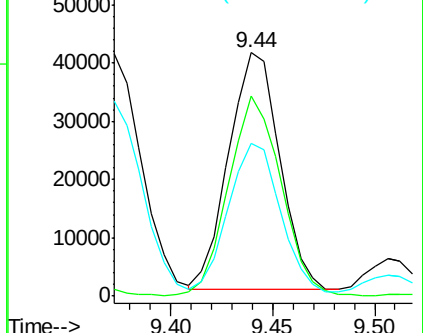
41 100

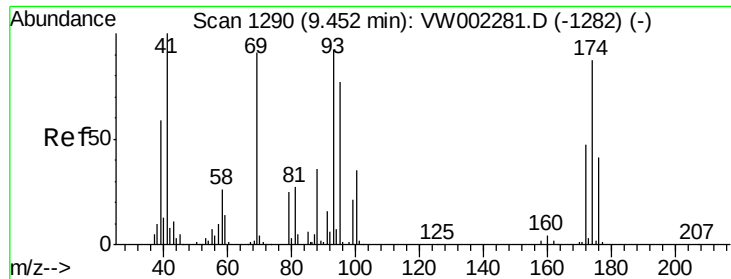
69 86.8 69.9 104.9

39 63.3 54.0 81.0



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

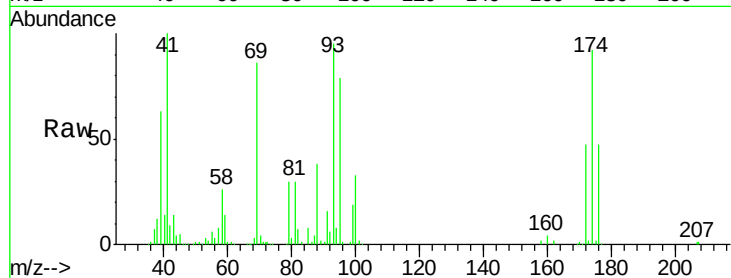




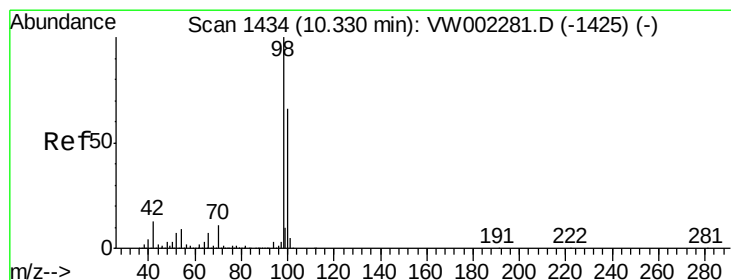
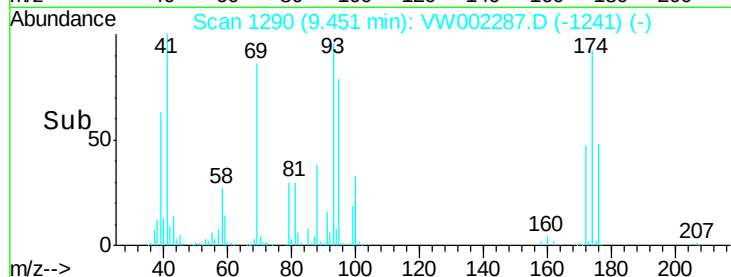
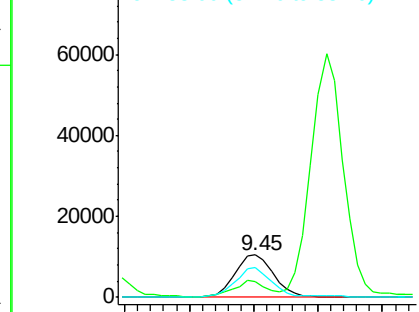
#49
1,4-Dioxane
Concen: 944.74 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 21992
Ion Ratio Lower Upper
88 100
43 33.8 26.3 39.5
58 67.1 56.0 84.0

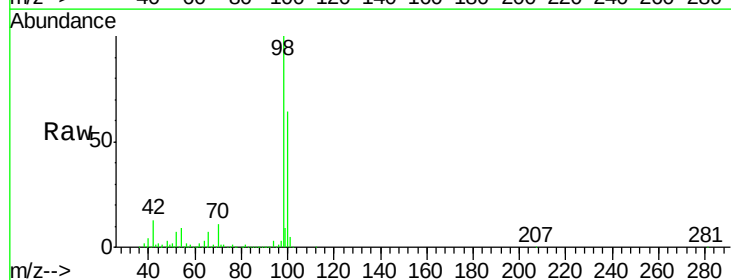


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

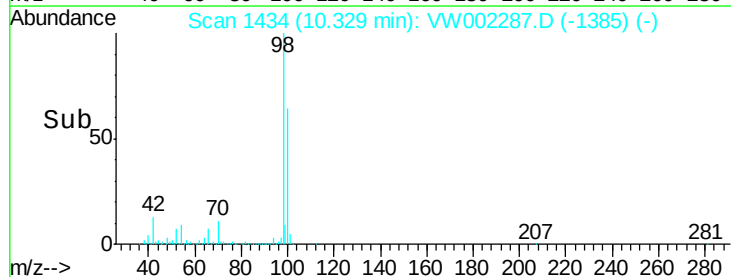
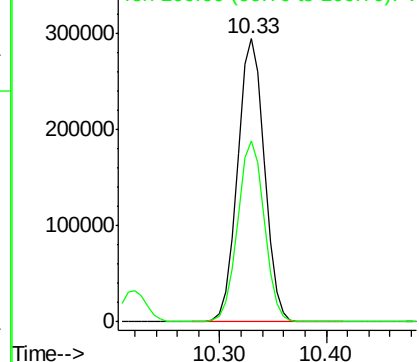


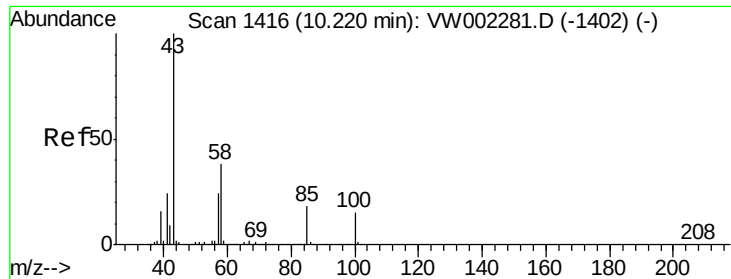
#50
Toluene-d8
Concen: 53.68 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion: 98 Resp: 519315
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 204.31 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

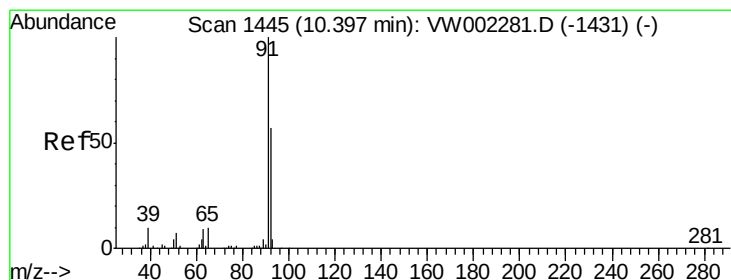
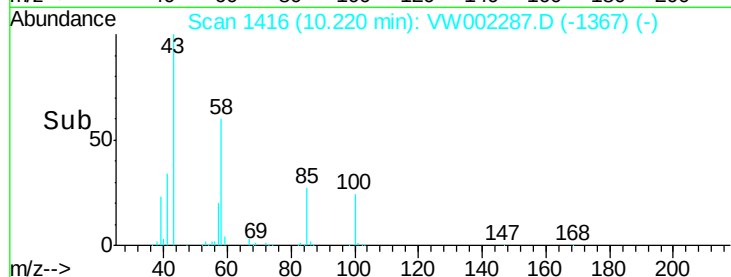
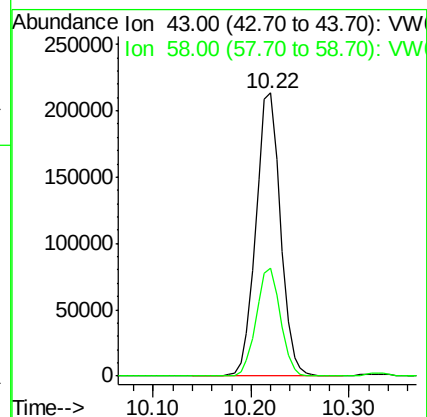
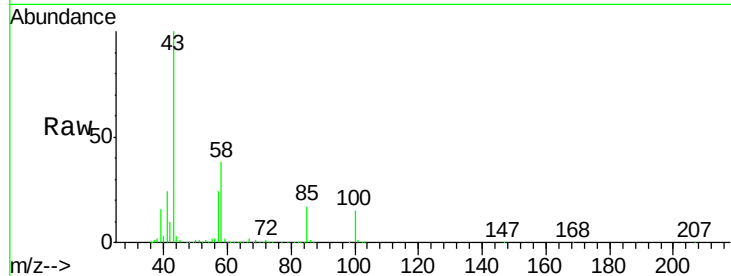
VSTDCCC050

Tot Ion: 43 Resp: 372989

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2



#52

Toluene

Concen: 52.56 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW002287.D

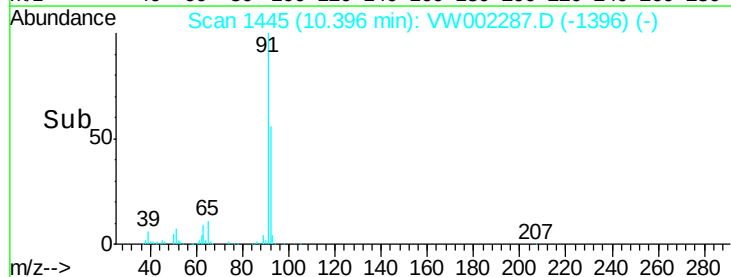
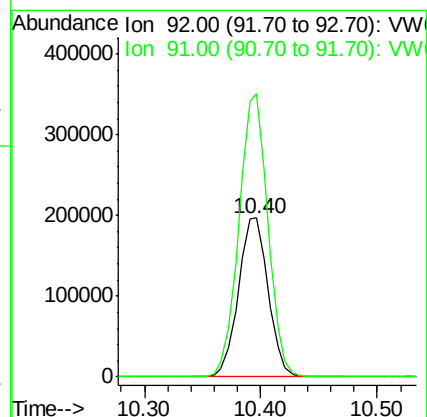
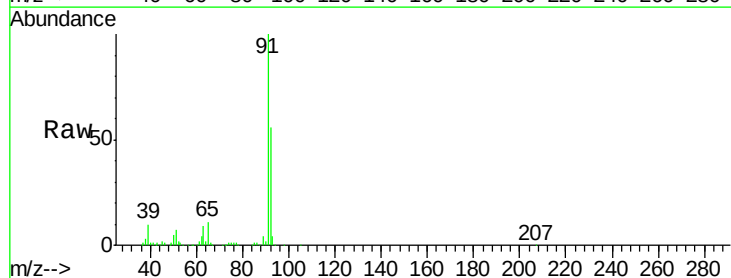
Acq: 08 May 2018 11:46

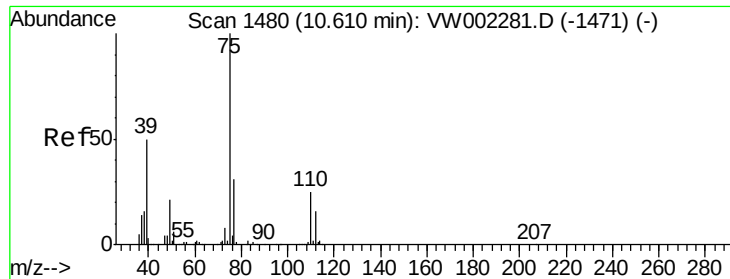
Tgt Ion: 92 Resp: 349261

Ion Ratio Lower Upper

92 100

91 174.0 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.17 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

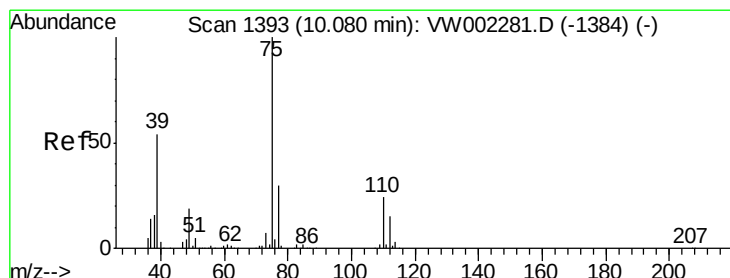
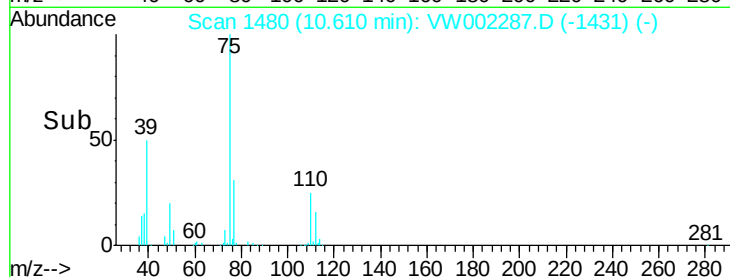
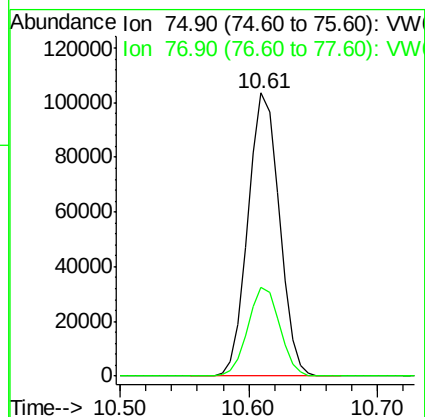
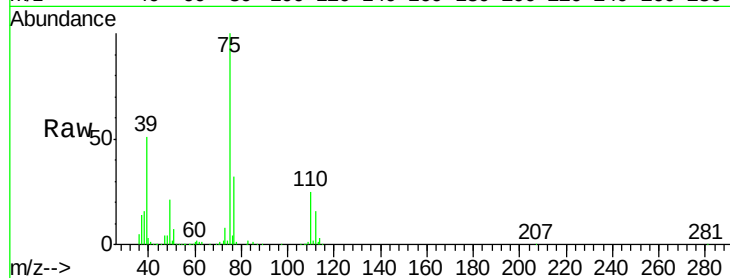
VSTDCCC050

Tot Ion: 75 Resp: 173975

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.66 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

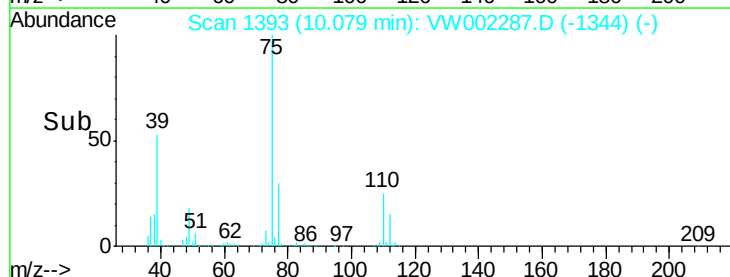
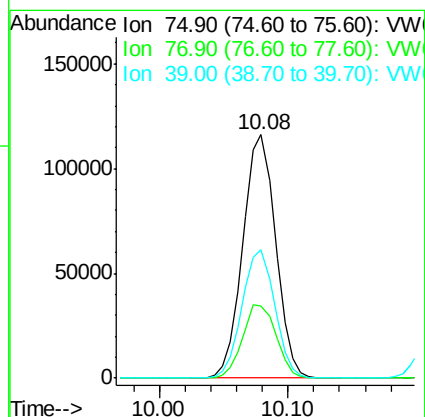
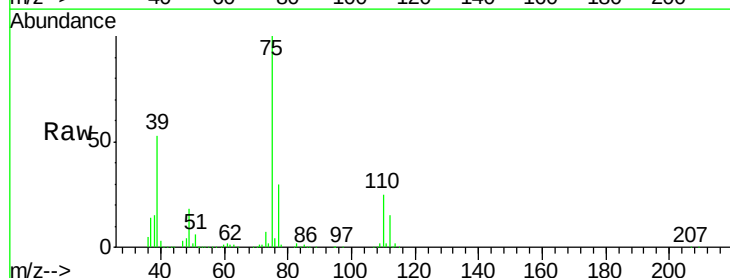
Tgt Ion: 75 Resp: 204692

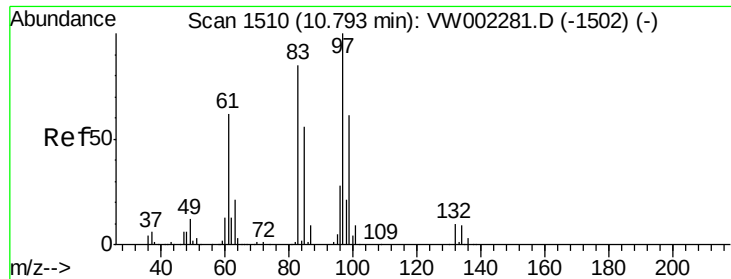
Ion Ratio Lower Upper

75 100

77 29.8 23.9 35.9

39 52.9 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 45.24 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93335

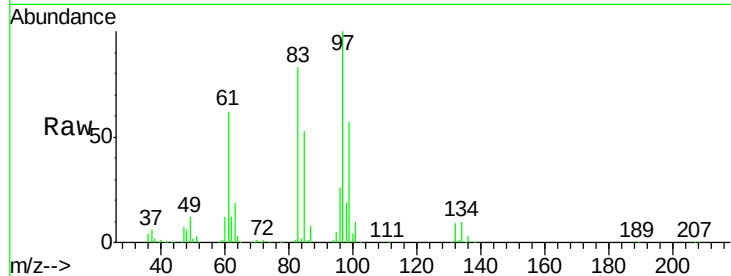
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.4	102.6
85	53.2	44.6	67.0
99	57.2	48.8	73.2

97 100

83 83.5 68.4 102.6

85 53.2 44.6 67.0

99 57.2 48.8 73.2



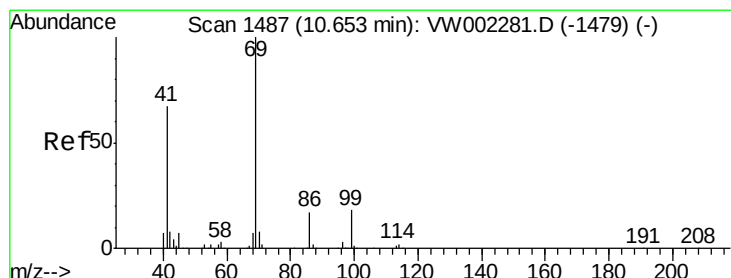
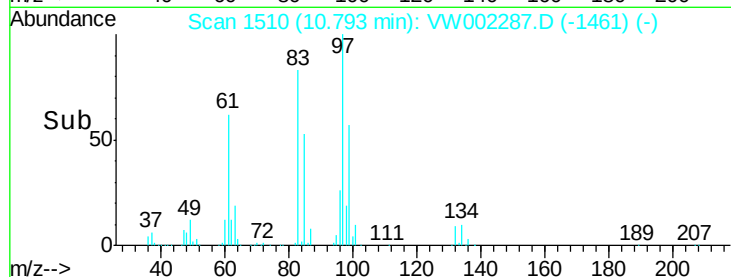
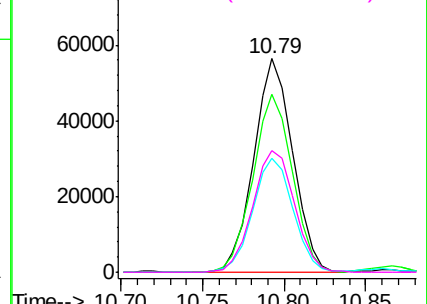
Abundance

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: 44.70 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

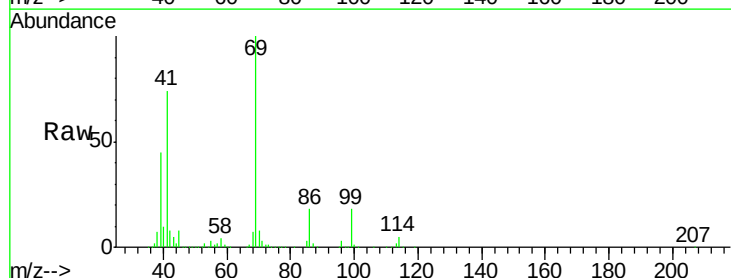
Tgt Ion: 69 Resp: 114005

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.0	84.0
39	41.5	32.7	49.1

69 100

41 70.2 56.0 84.0

39 41.5 32.7 49.1

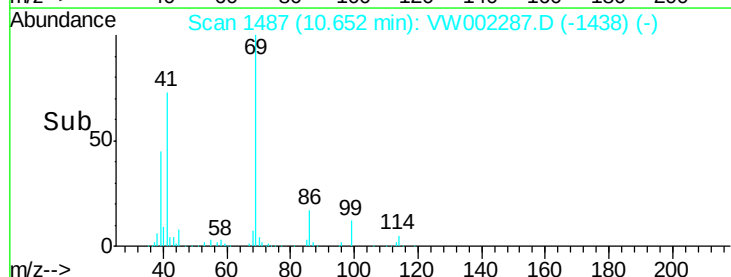
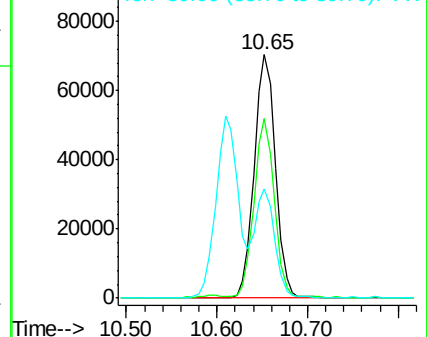


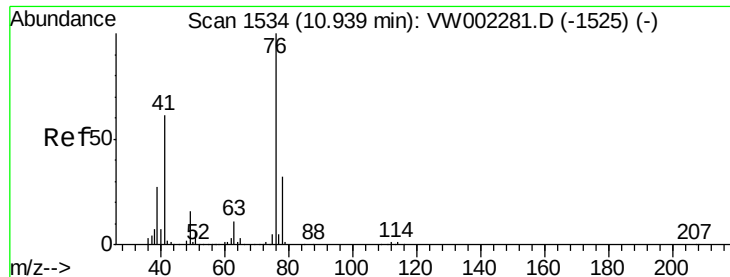
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

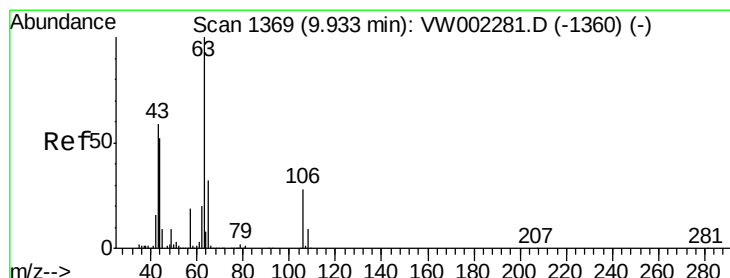
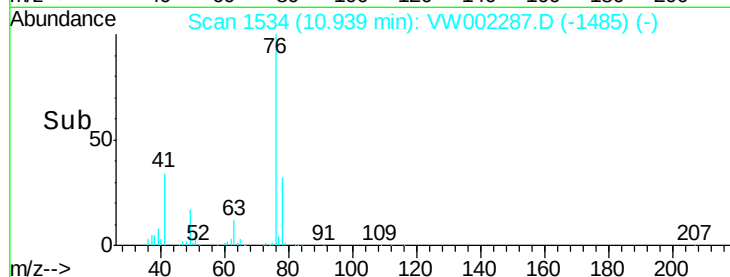
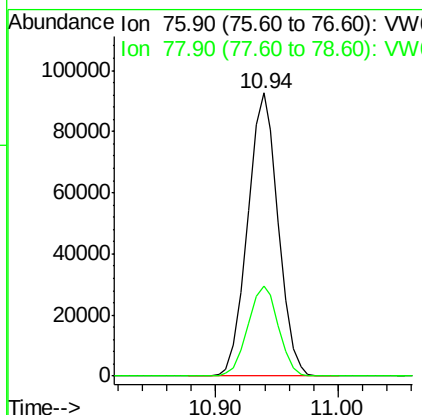
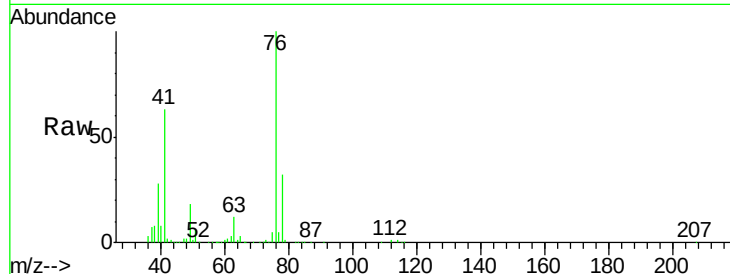




#57
 1,3-Dichloropropane
 Concen: 45.68 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

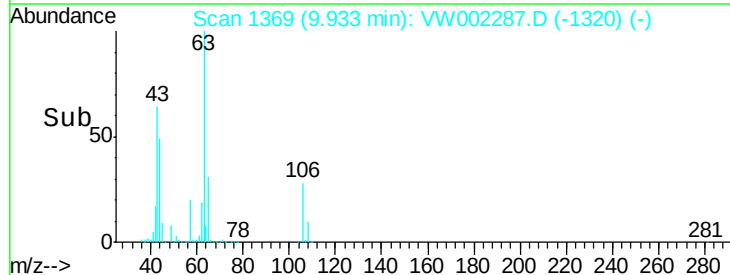
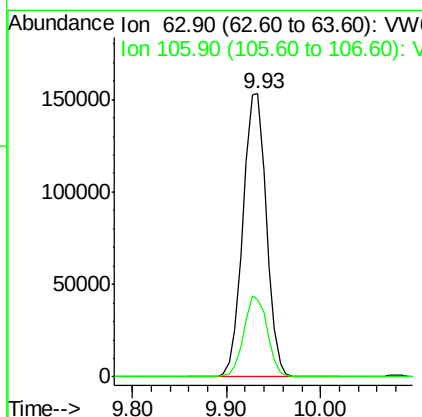
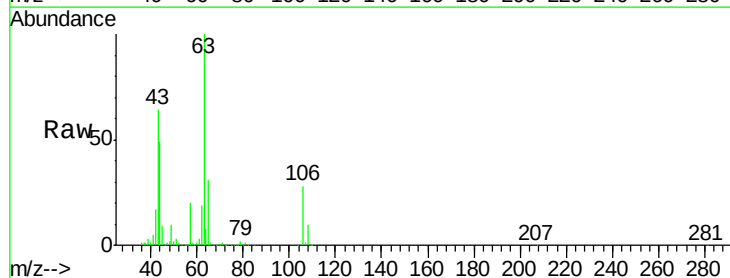
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

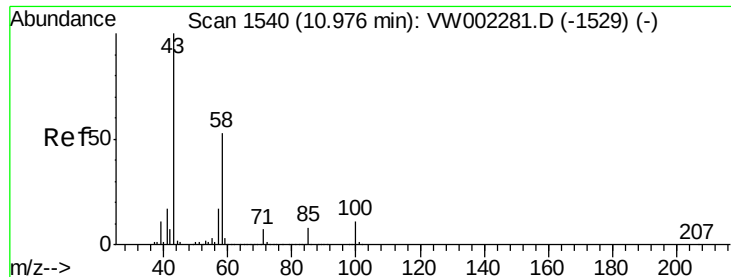
Tot Ion: 76 Resp: 160219
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 215.54 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 63 Resp: 266833
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.5 33.7





#59

2-Hexanone

Concen: 223.91 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

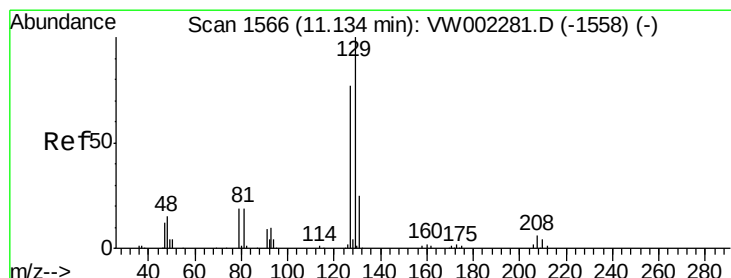
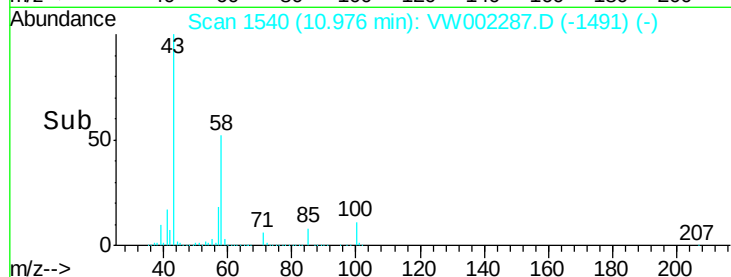
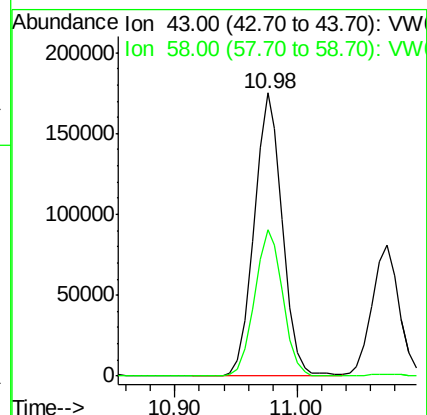
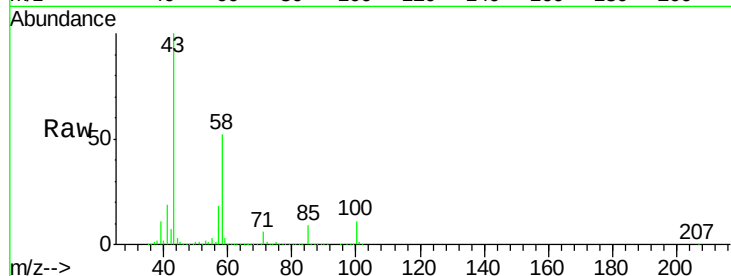
VSTDCCC050

Tot Ion: 43 Resp: 279601

Ion Ratio Lower Upper

43 100

58 51.9 26.0 78.0



#60

Dibromochloromethane

Concen: 48.18 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW002287.D

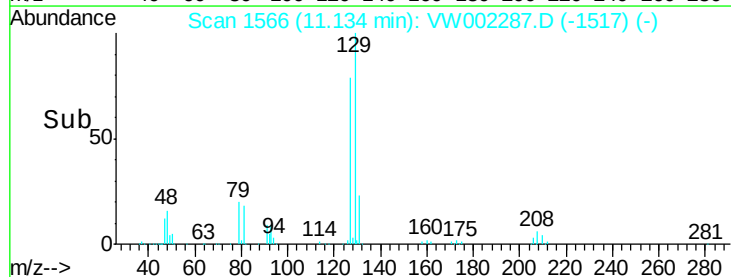
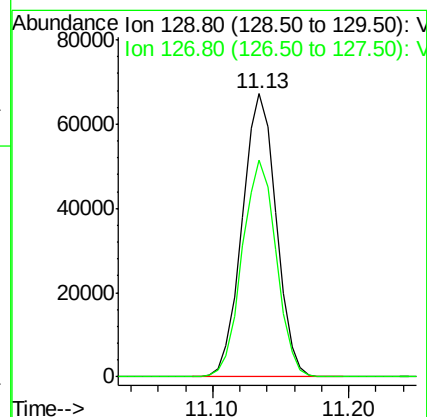
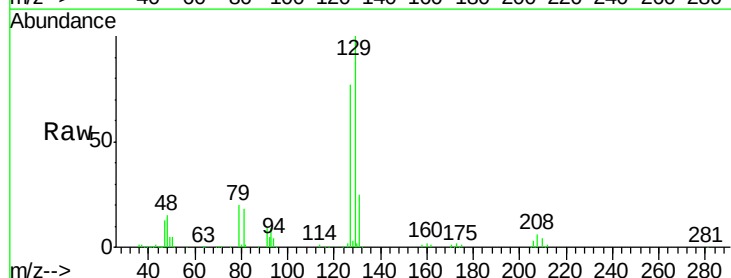
Acq: 08 May 2018 11:46

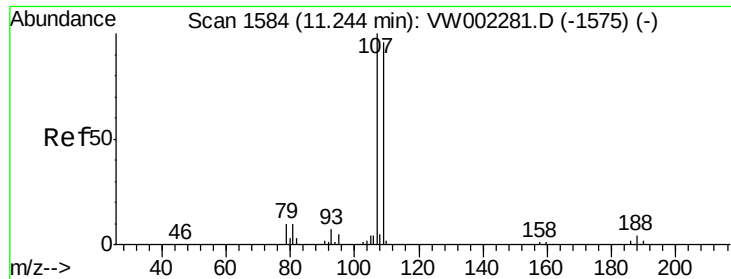
Tgt Ion: 129 Resp: 117321

Ion Ratio Lower Upper

129 100

127 76.9 39.0 116.9

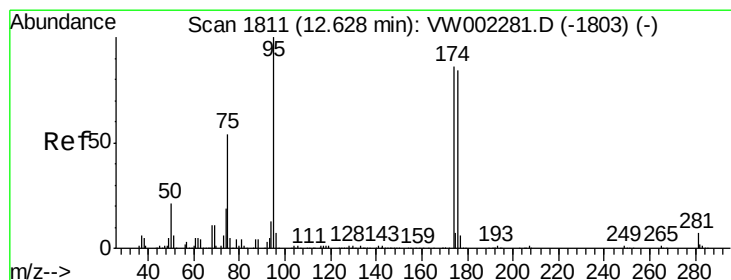
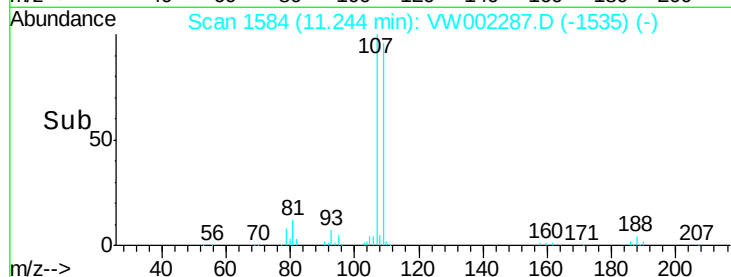
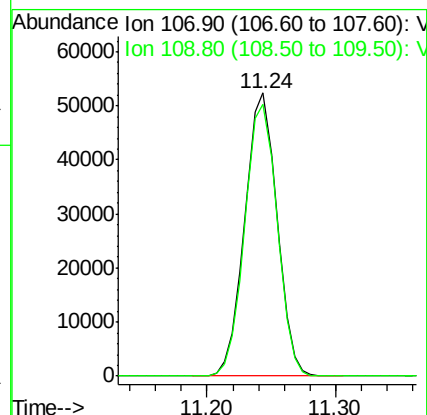
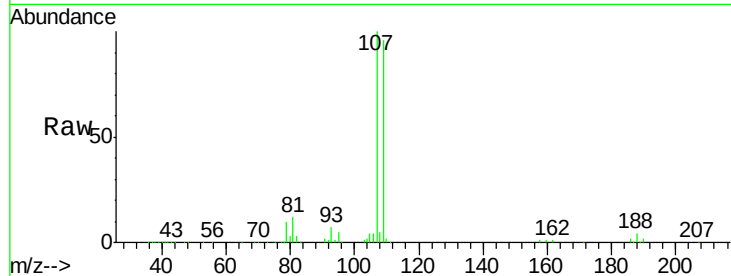




#61
 1,2-Dibromoethane
 Concen: 44.94 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

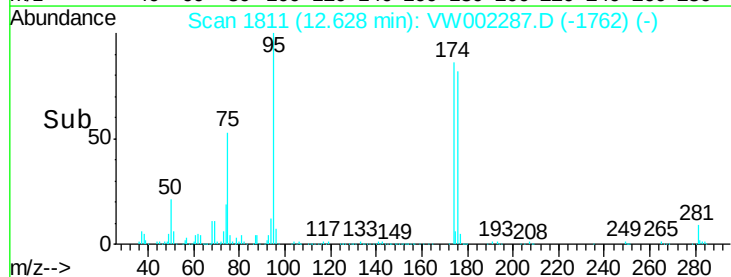
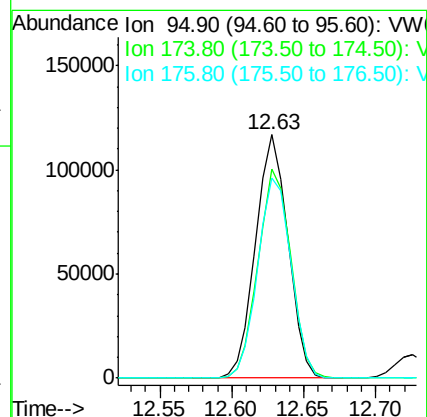
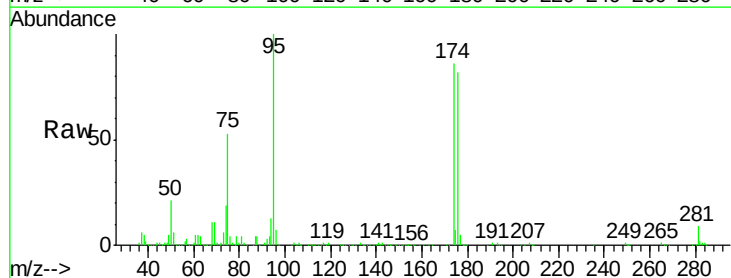
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

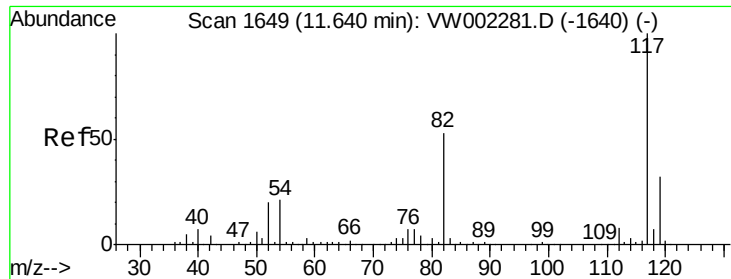
Tot Ion:107 Resp: 90638
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 52.01 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 95 Resp: 181823
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 176.8
 176 84.7 0.0 170.4

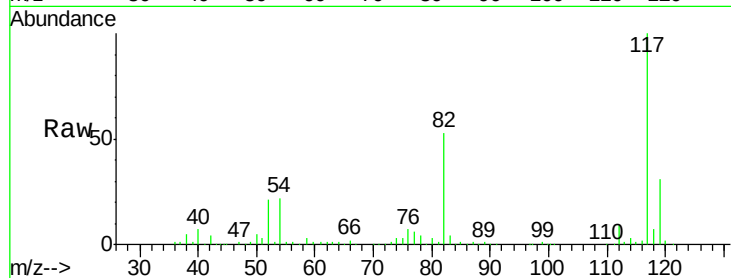




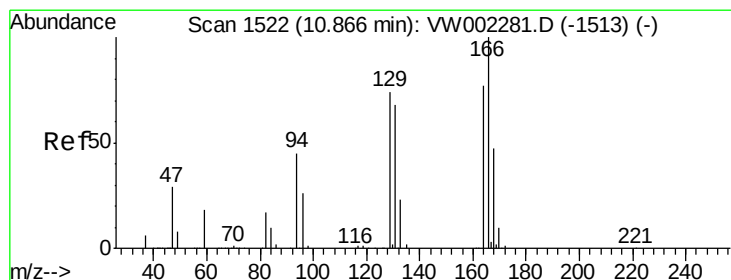
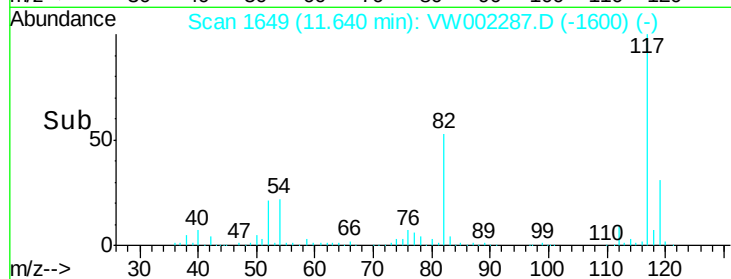
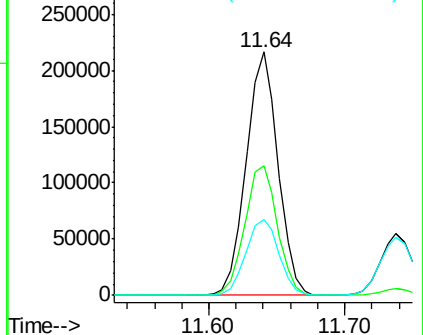
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 354443
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 30.9 25.2 37.8

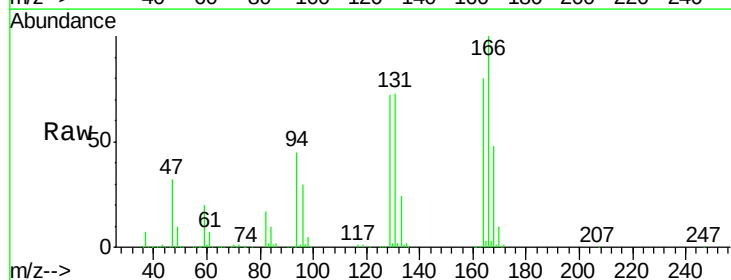


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

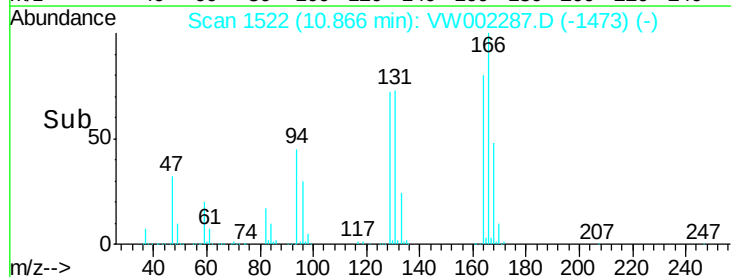
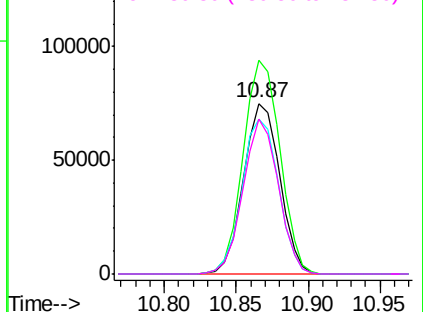


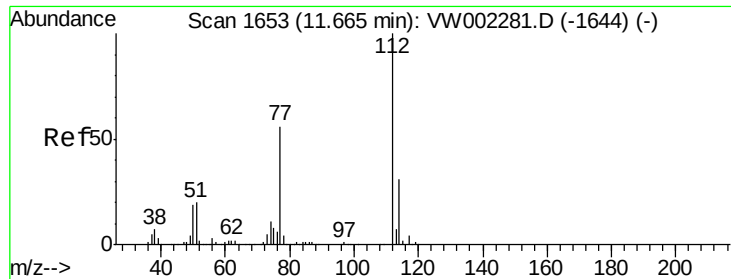
#64
Tetrachloroethene
Concen: 47.79 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion:164 Resp: 130356
Ion Ratio Lower Upper
164 100
166 125.5 103.3 154.9
129 90.9 76.6 114.8
131 91.2 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

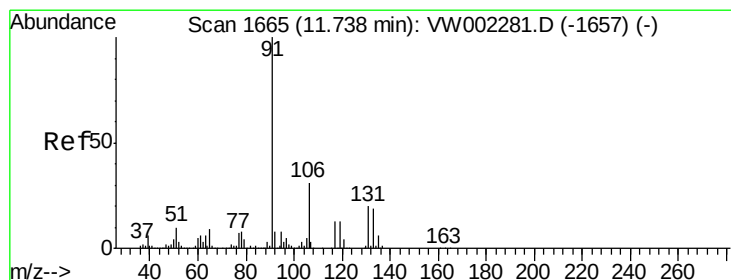
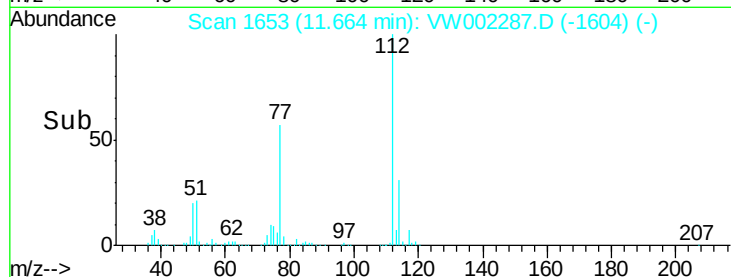
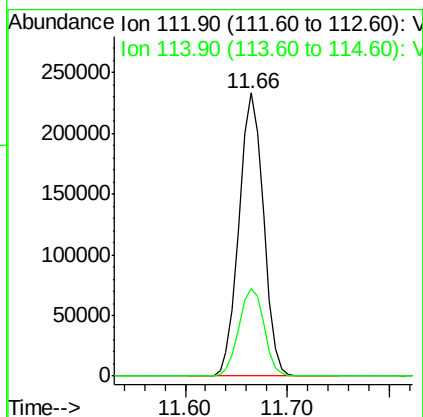
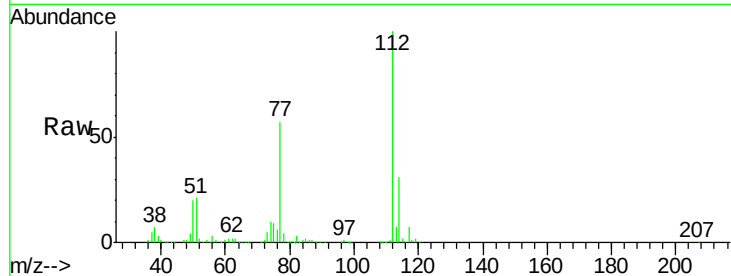




#65
Chlorobenzene
Concen: 53.36 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

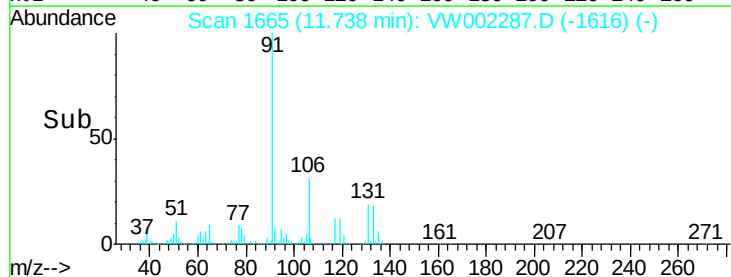
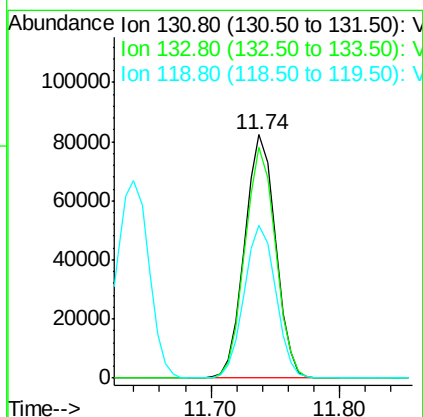
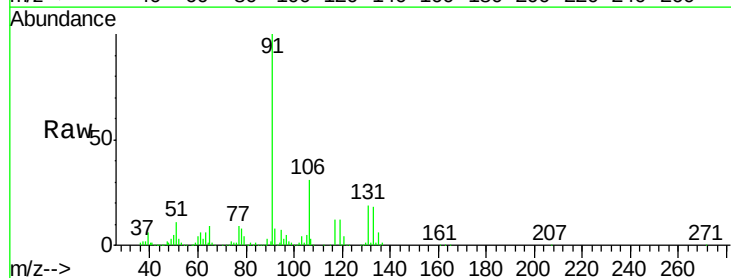
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

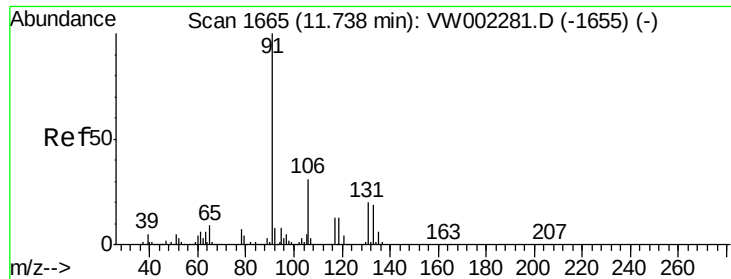
Tot Ion:112 Resp: 386506
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.73 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion:131 Resp: 136119
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 64.2 32.0 96.0





#67

Ethyl Benzene

Concen: 55.78 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

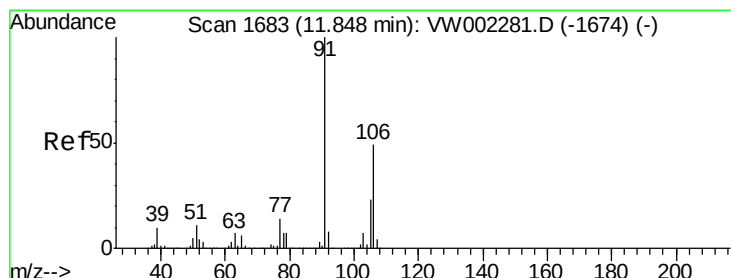
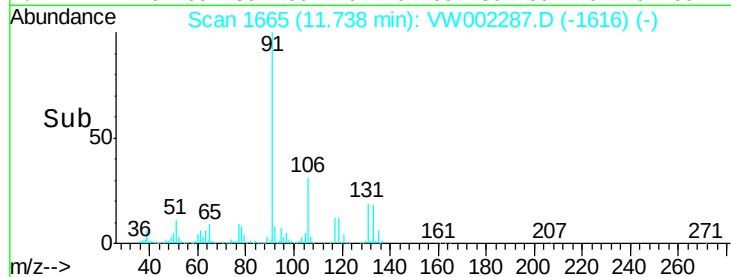
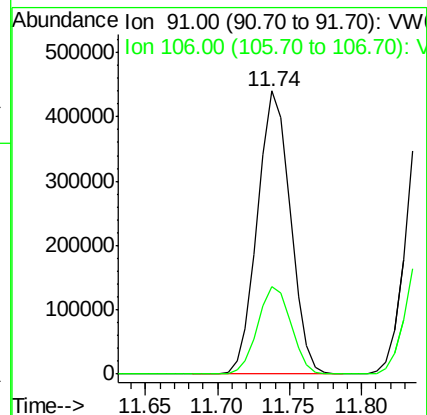
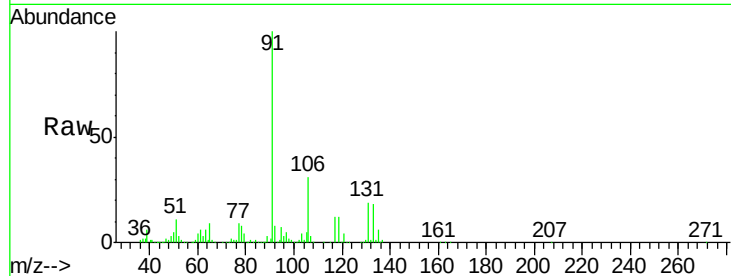
VSTDCCC050

Tot Ion: 91 Resp: 694341

Ion Ratio Lower Upper

91 100

106 30.8 24.9 37.3



#68

m/p-Xylenes

Concen: 112.05 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW002287.D

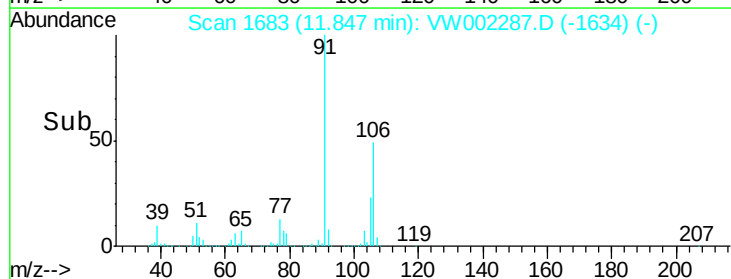
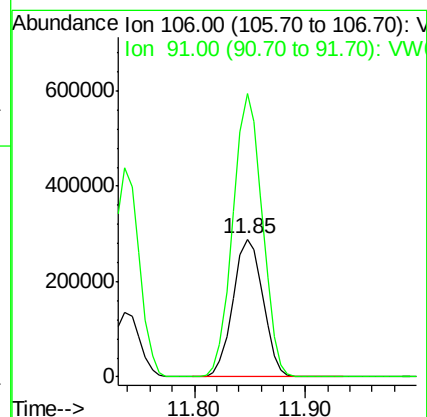
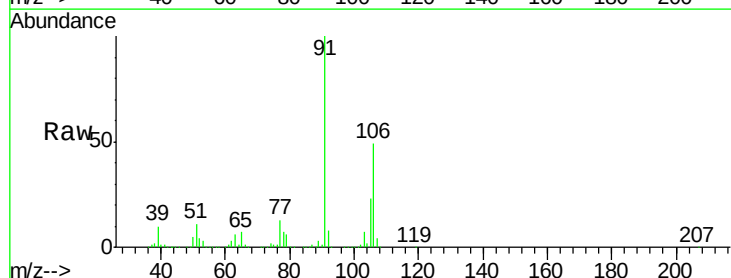
Acq: 08 May 2018 11:46

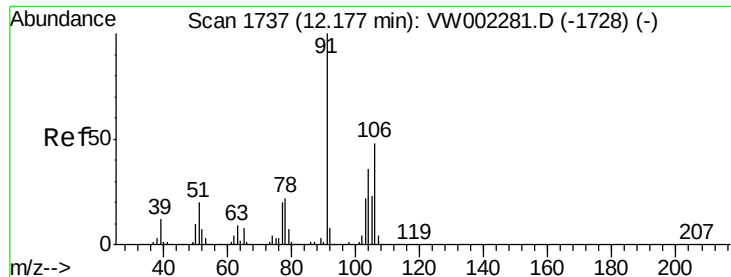
Tgt Ion: 106 Resp: 538175

Ion Ratio Lower Upper

106 100

91 201.8 161.4 242.0

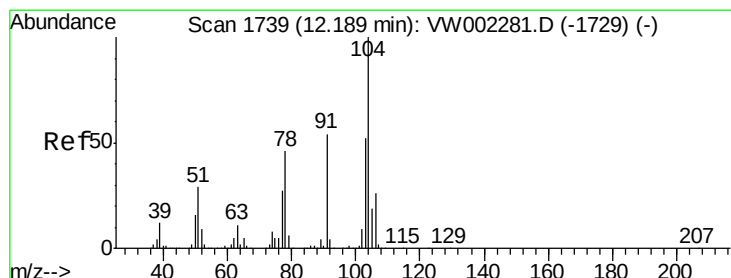
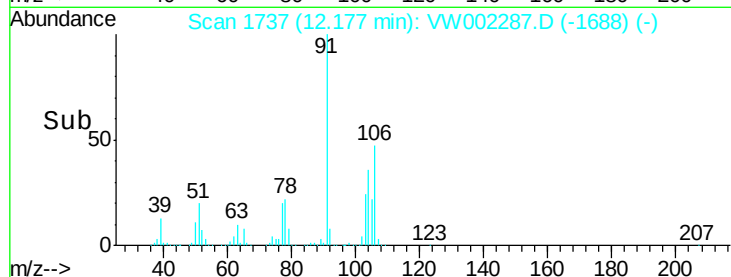
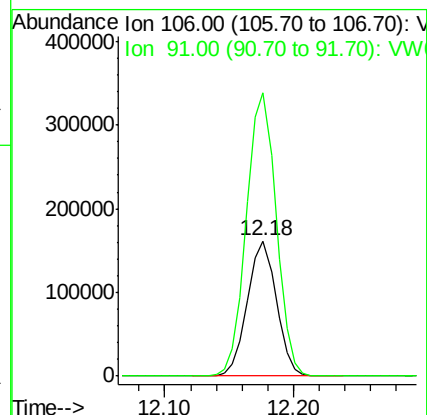
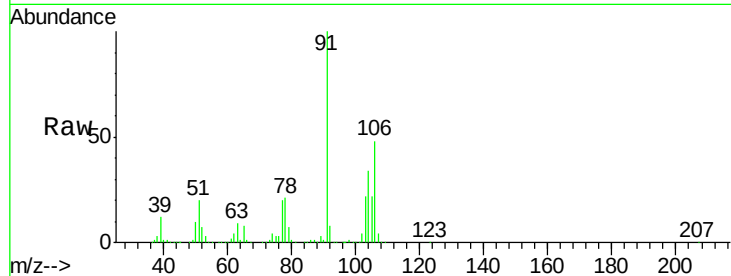




#69
o-Xylene
Concen: 54.99 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

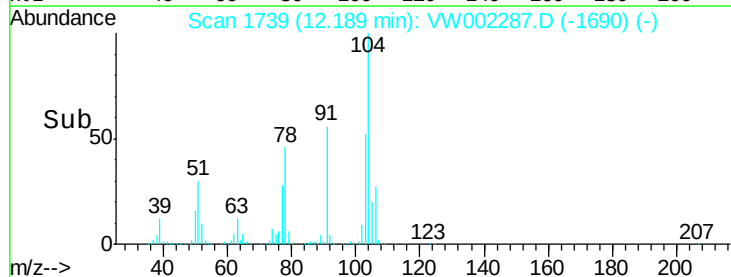
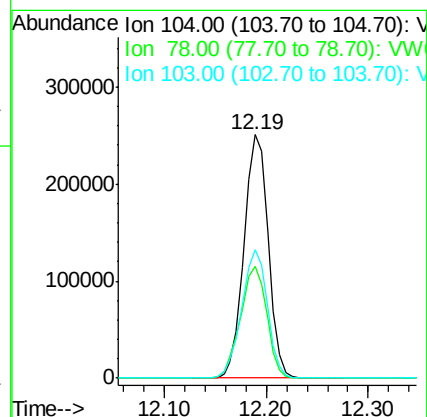
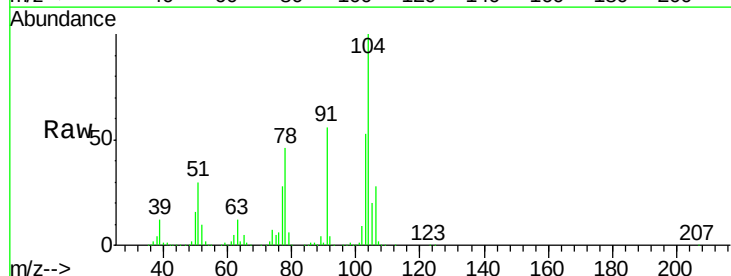
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

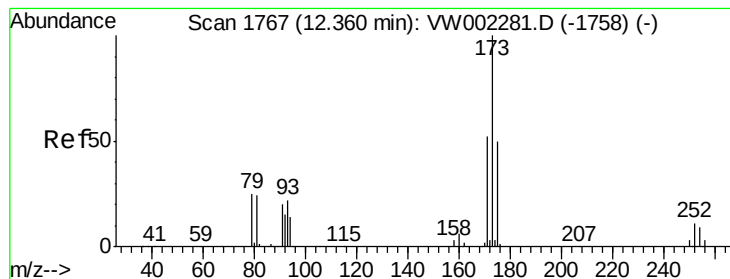
Tot Ion:106 Resp: 251177
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1



#70
Styrene
Concen: 54.22 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion:104 Resp: 411238
Ion Ratio Lower Upper
104 100
78 50.0 39.6 59.4
103 55.7 44.4 66.6





#71

Bromoform

Concen: 47.09 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

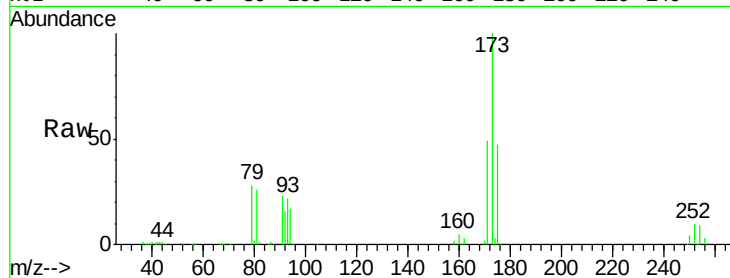
Tot Ion:173 Resp: 69710

Ion Ratio Lower Upper

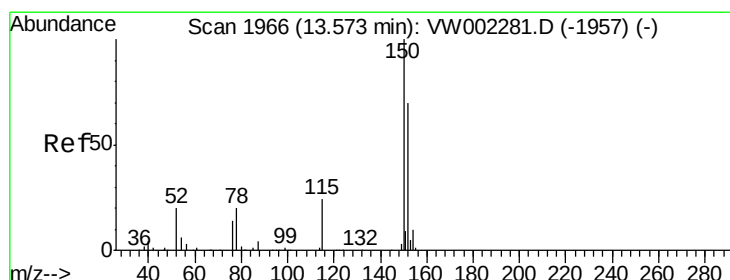
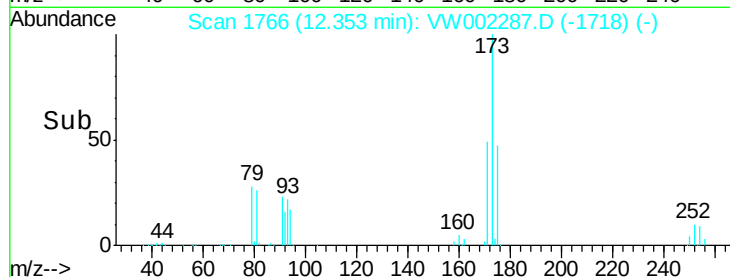
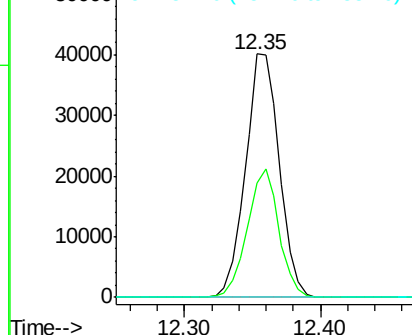
173 100

175 49.2 24.3 72.9

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: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

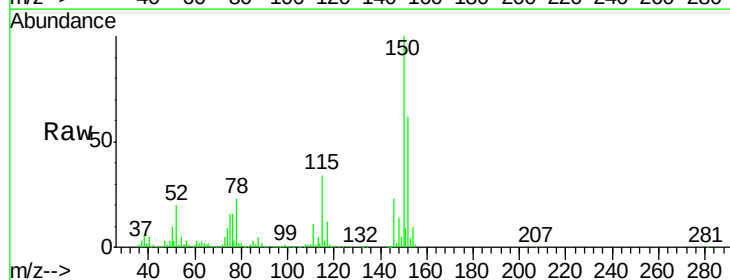
Tgt Ion:152 Resp: 192944

Ion Ratio Lower Upper

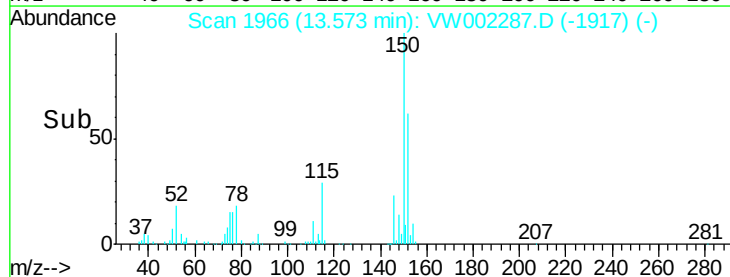
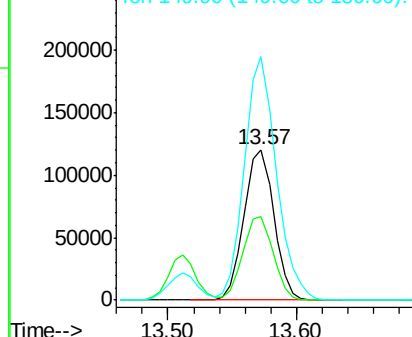
152 100

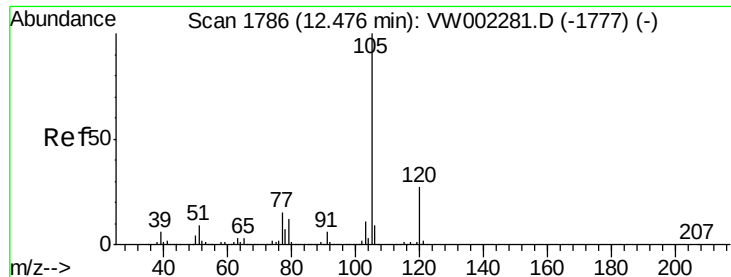
115 56.3 28.5 85.5

150 173.1 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.96 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

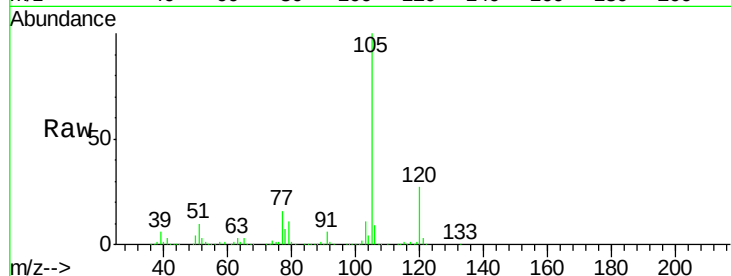
VSTDCCC050

Tot Ion:105 Resp: 713902

Ion Ratio Lower Upper

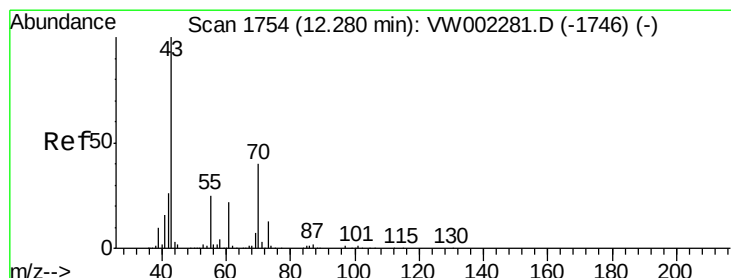
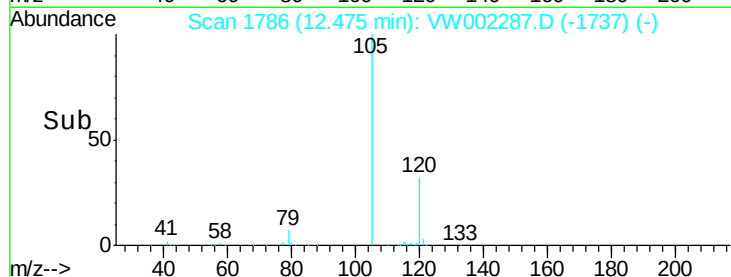
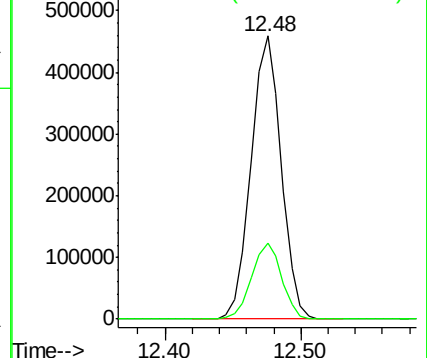
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.52 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Tgt Ion: 43 Resp: 142765

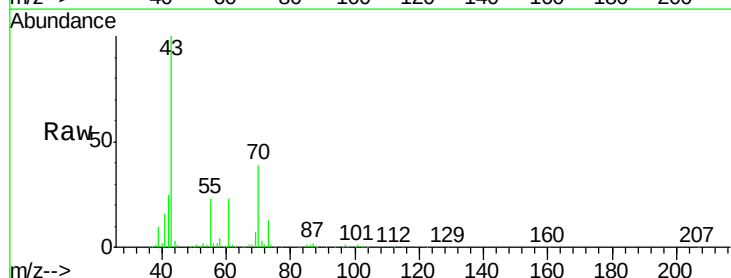
Ion Ratio Lower Upper

43 100

70 39.3 31.9 47.9

55 24.0 19.9 29.9

61 23.6 18.2 27.2

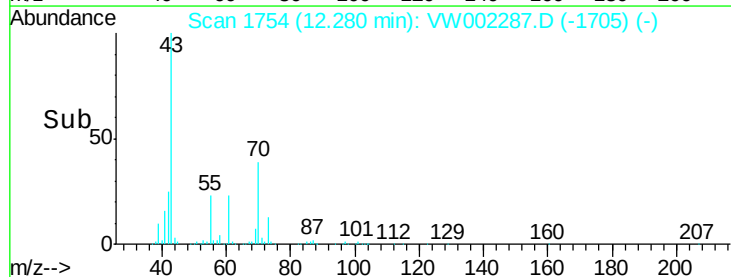
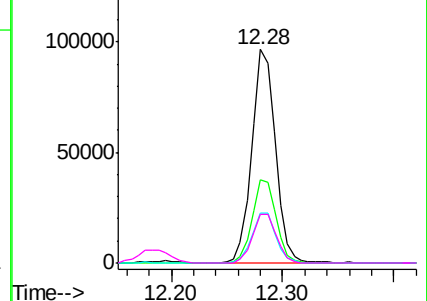


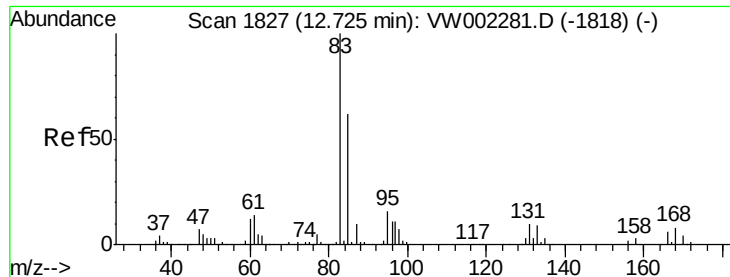
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

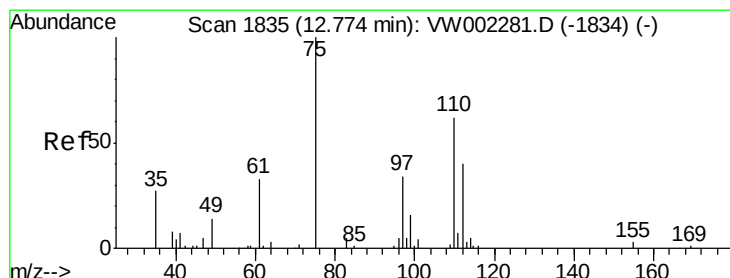
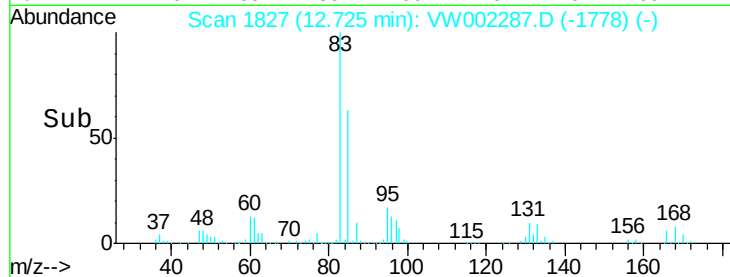
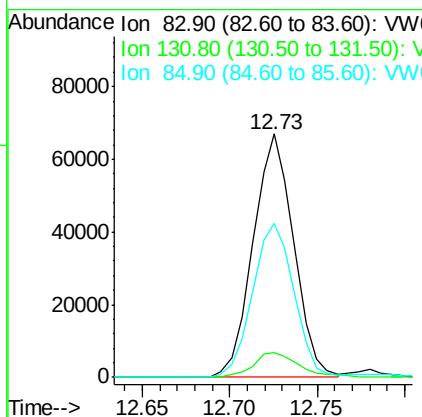
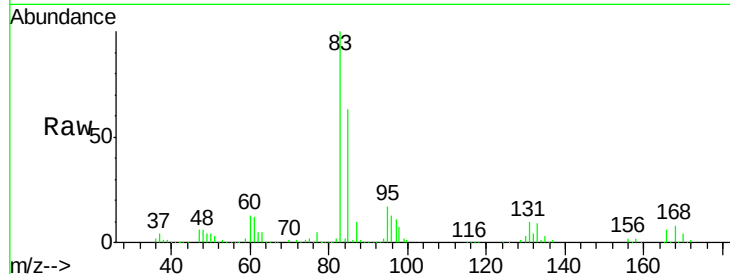




#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.38 ug/l
 RT: 12.73 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

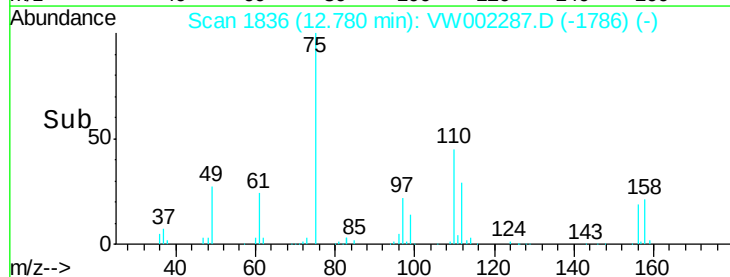
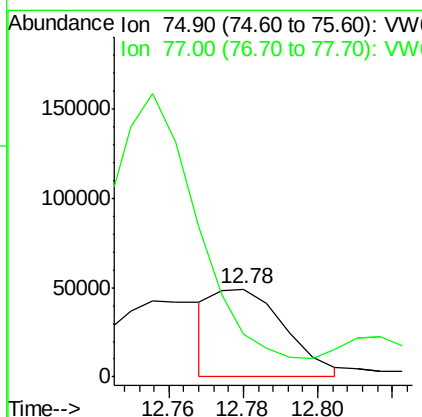
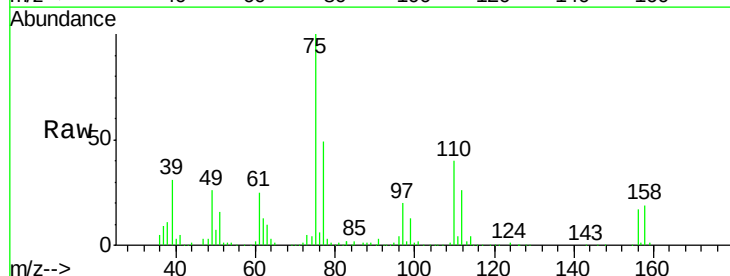
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

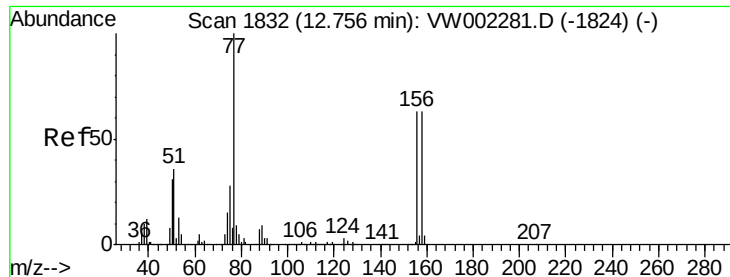
Tot Ion: 83 Resp: 107521
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.5 16.5
 85 64.6 31.5 94.5



#76
 1,2,3-Trichloropropane
 Concen: 38.54 ug/l m
 RT: 12.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion: 75 Resp: 65940
 Ion Ratio Lower Upper
 75 100
 77 0.0 187.5 562.6#





#77

Bromobenzene

Concen: 51.01 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

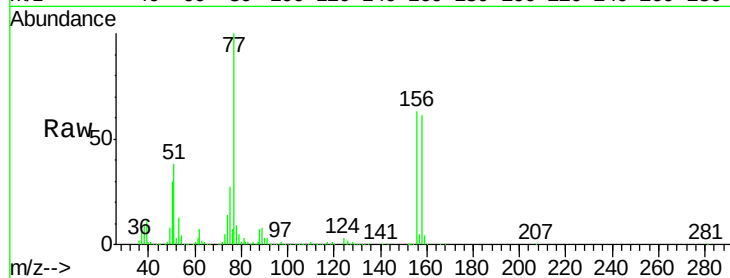
Tot Ion:156 Resp: 161151

Ion Ratio Lower Upper

156 100

77 175.5 87.7 263.1

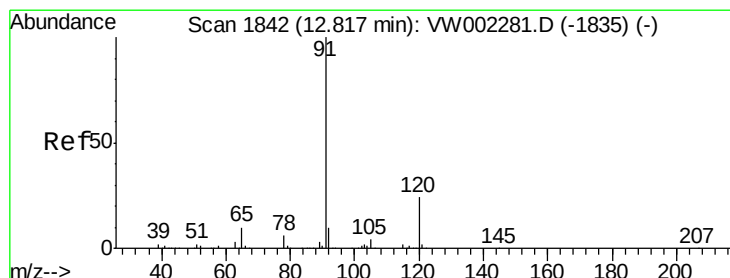
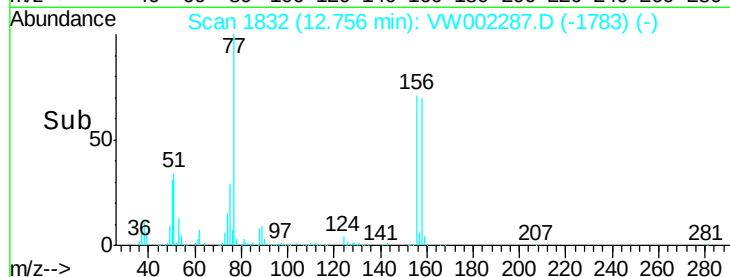
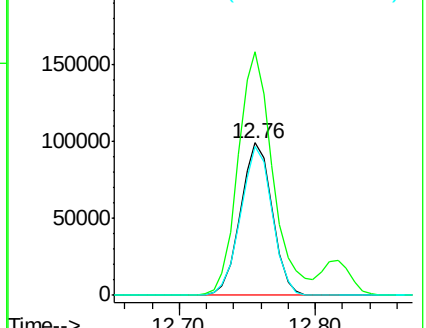
158 97.3 48.6 145.8



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: 58.09 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002287.D

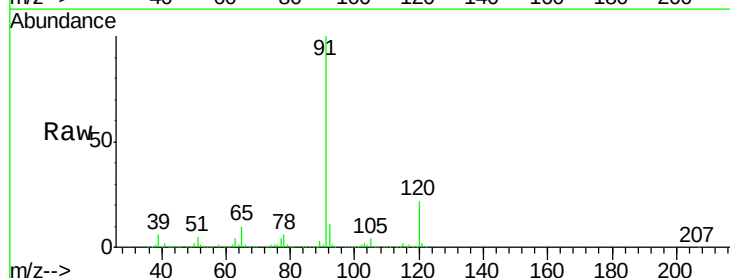
Acq: 08 May 2018 11:46

Tgt Ion: 91 Resp: 862942

Ion Ratio Lower Upper

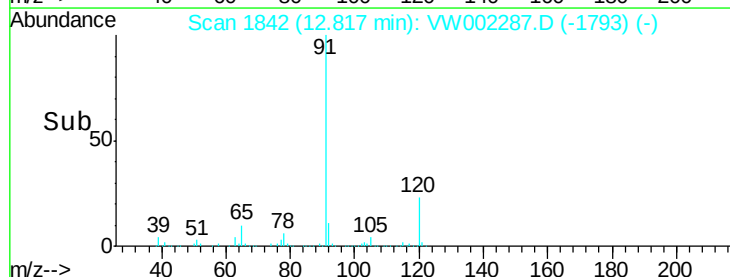
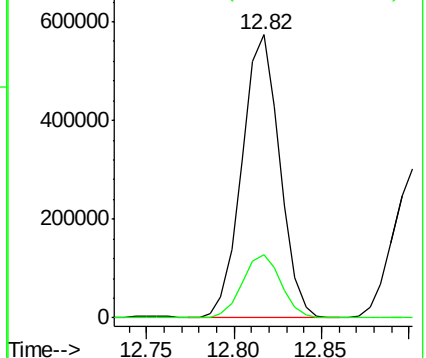
91 100

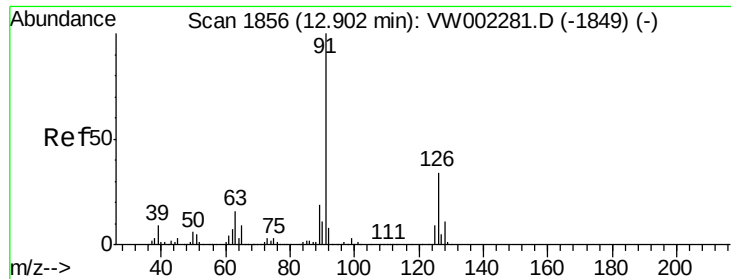
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

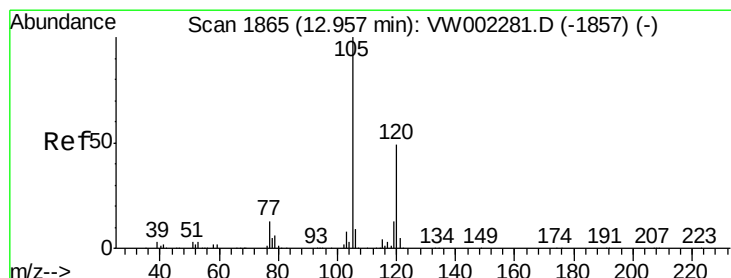
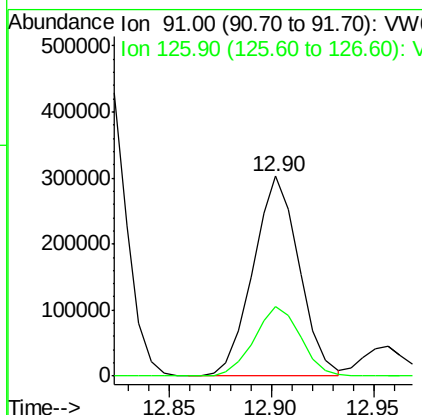
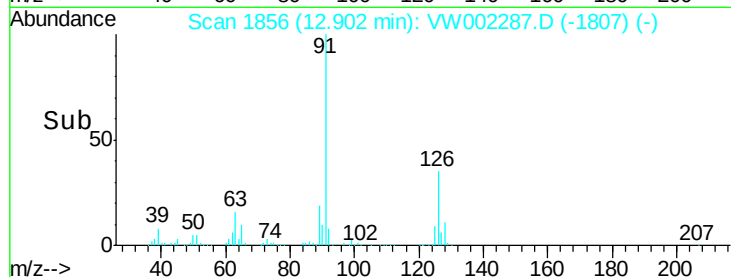
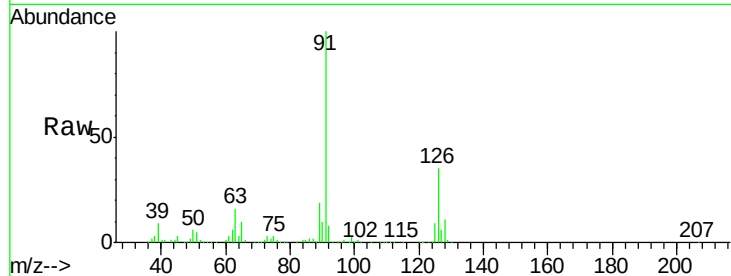




#79
 2-Chlorotoluene
 Concen: 55.54 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

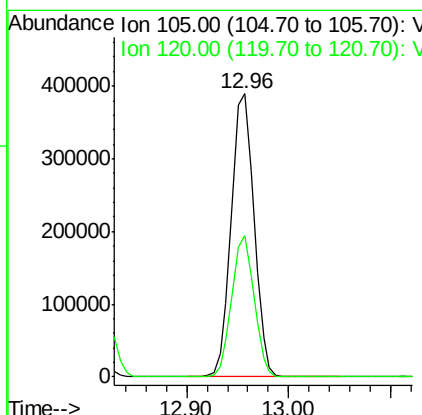
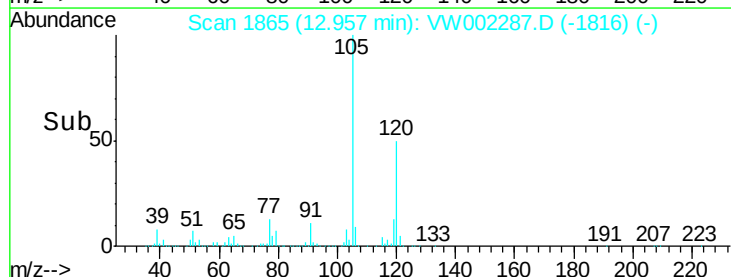
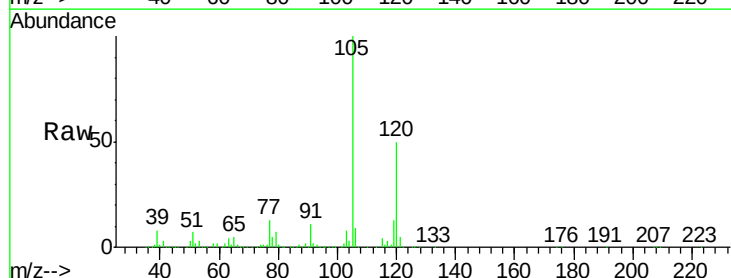
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

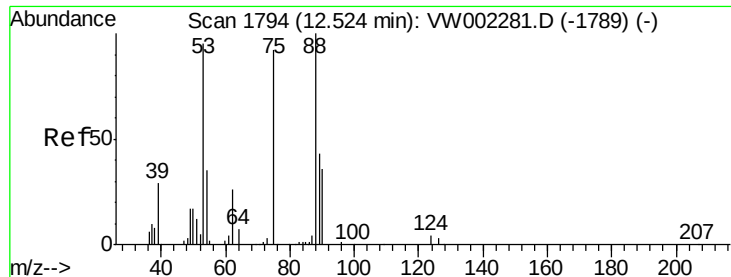
Tot Ion: 91 Resp: 475180
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 56.88 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion:105 Resp: 599663
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.45 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

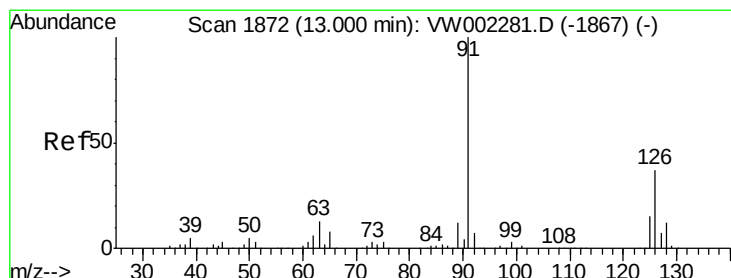
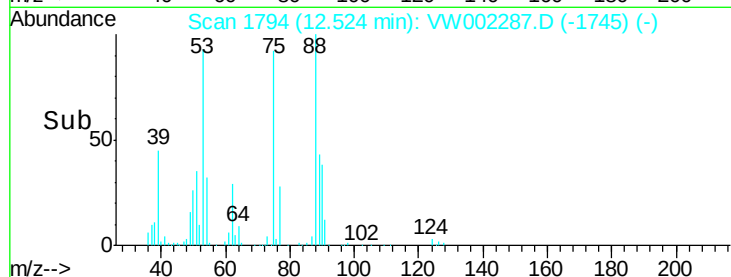
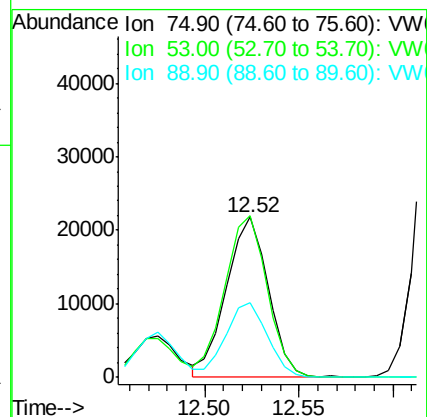
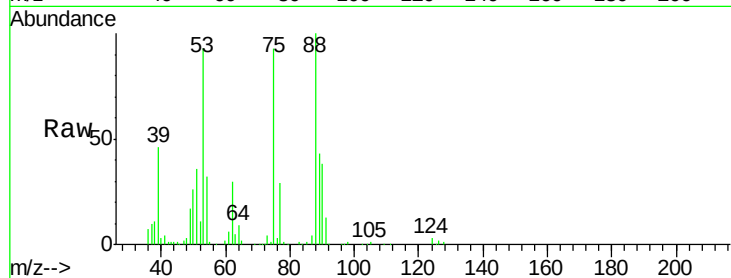
Tot Ion: 75 Resp: 33421

Ion Ratio Lower Upper

75 100

53 103.8 79.9 119.9

89 47.3 37.6 56.4



#82

4-Chlorotoluene

Concen: 55.28 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002287.D

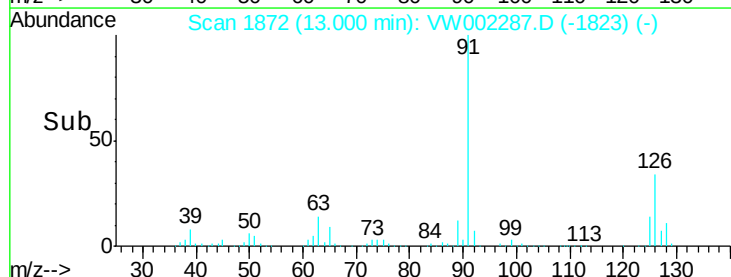
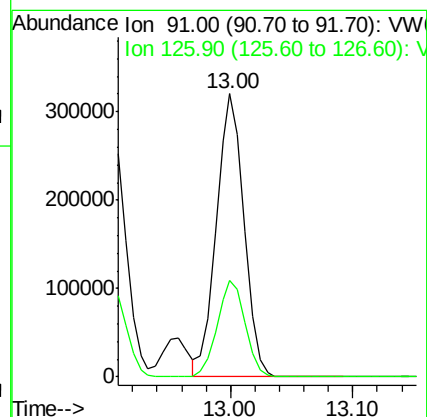
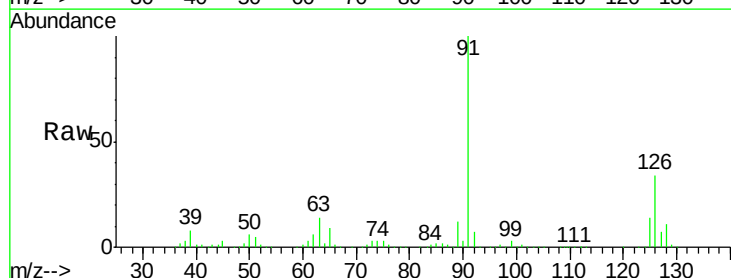
Acq: 08 May 2018 11:46

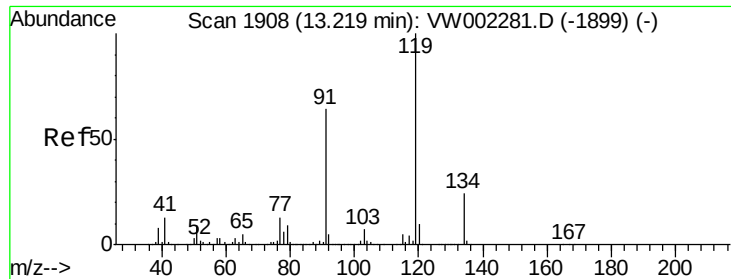
Tgt Ion: 91 Resp: 502997

Ion Ratio Lower Upper

91 100

126 34.3 17.4 52.3

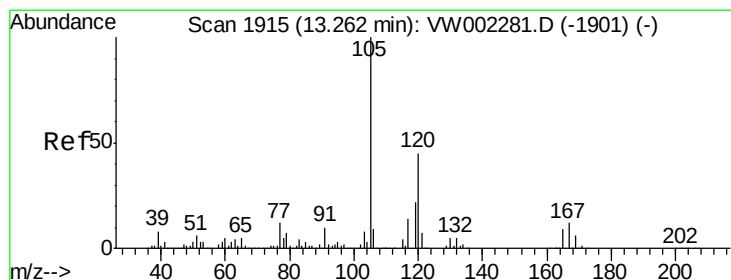
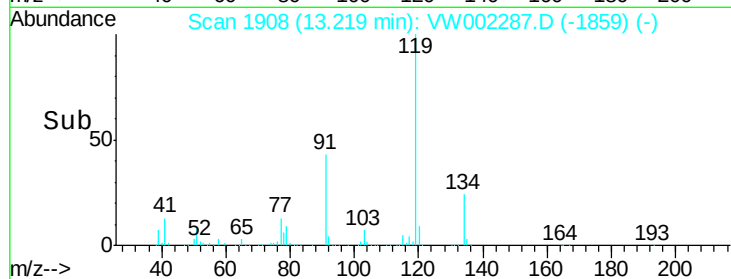
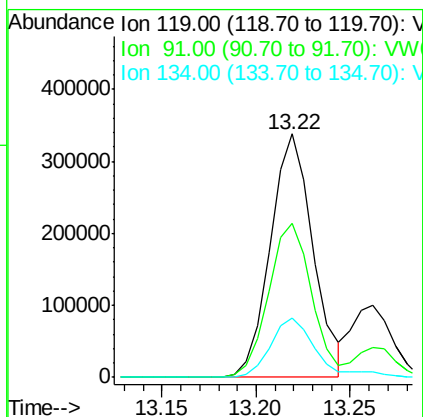
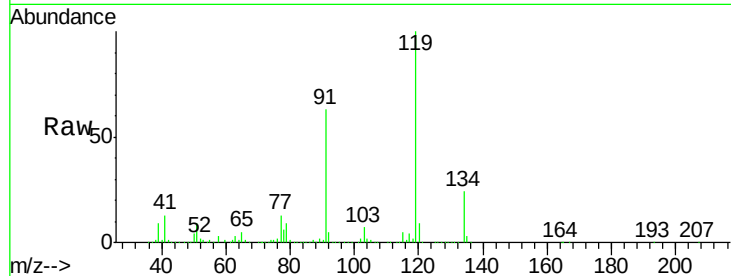




#83
 tert-Butylbenzene
 Concen: 58.48 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

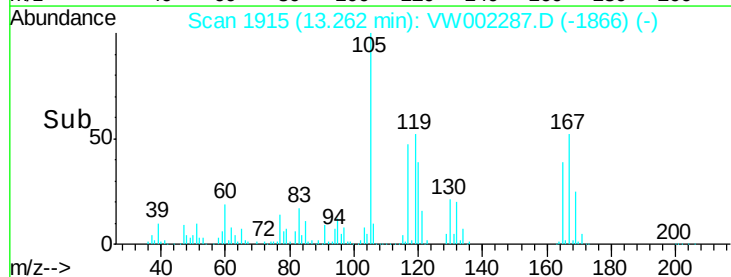
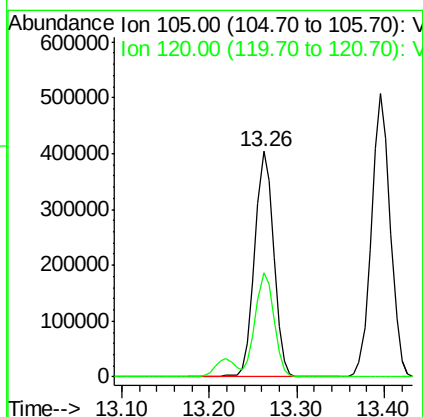
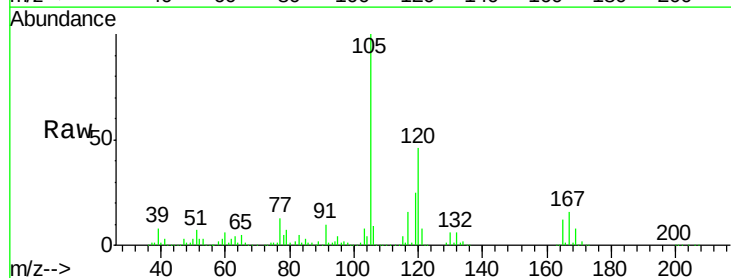
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

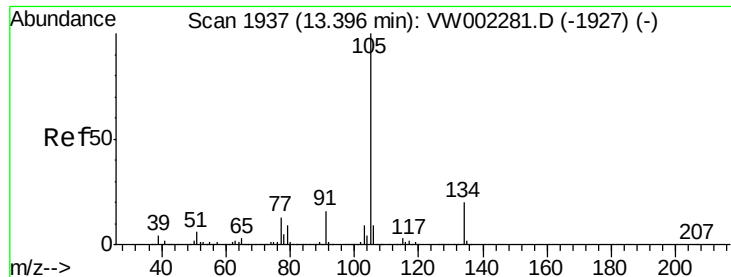
Tot Ion:119 Resp: 530820
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 94.8
 134 24.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.85 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion:105 Resp: 610437
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.5 67.5

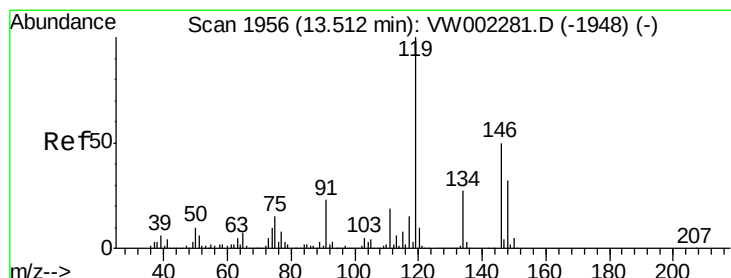
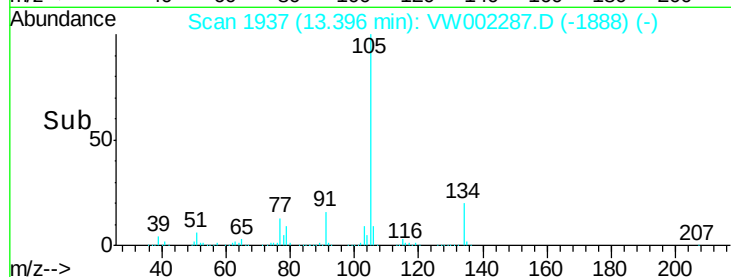
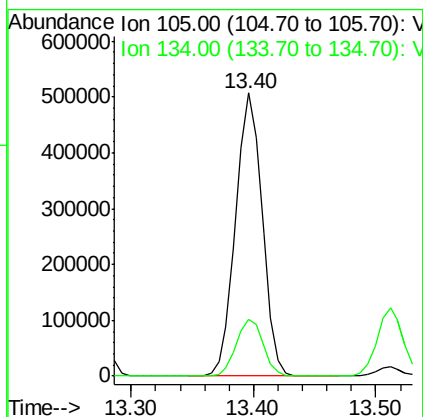
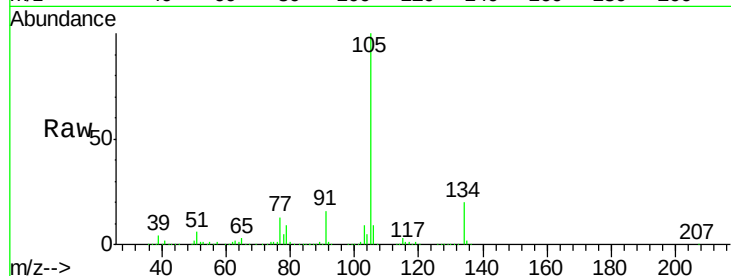




#85
 sec-Butylbenzene
 Concen: 58.94 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

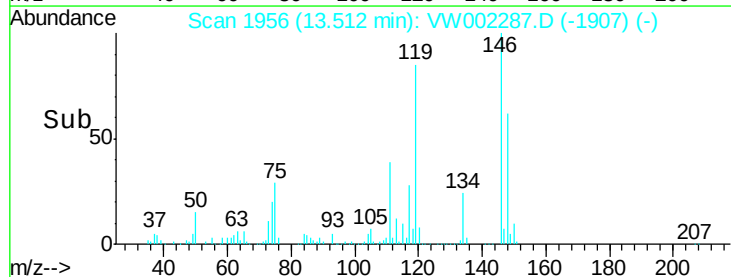
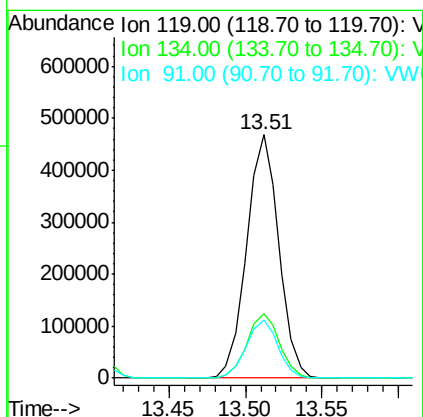
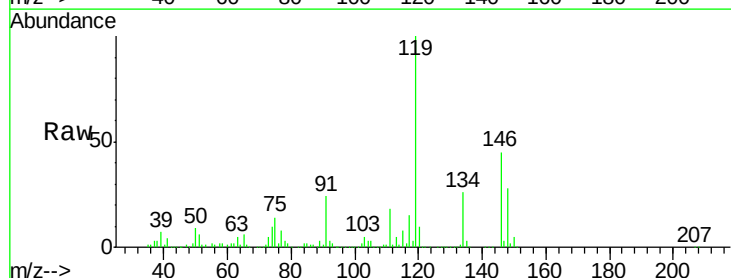
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

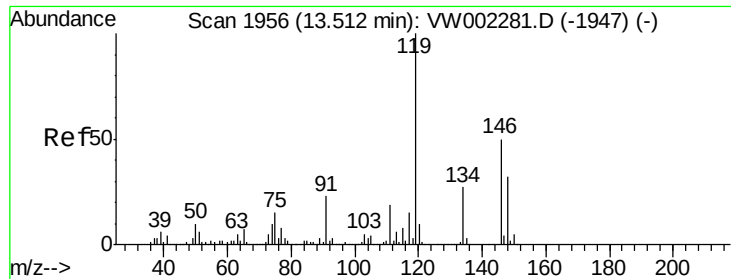
Tot Ion:105 Resp: 763803
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 58.61 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion:119 Resp: 679109
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.9
 91 23.6 11.8 35.3

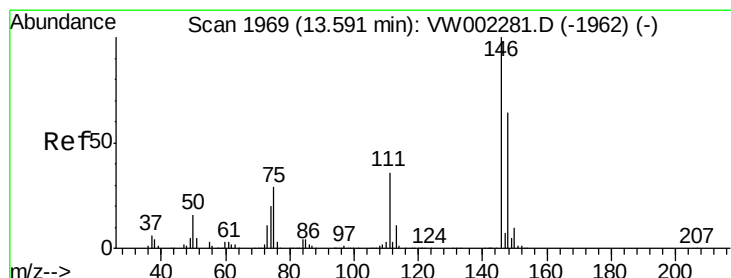
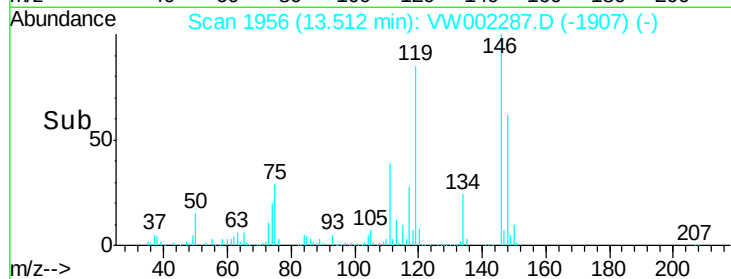
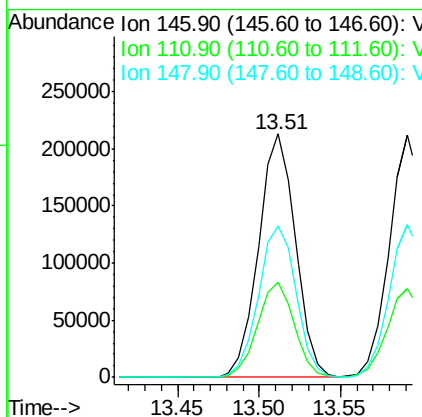
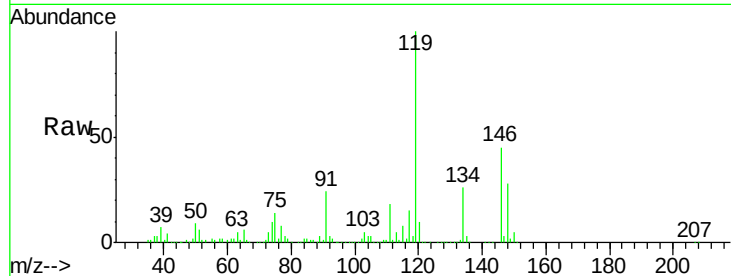




#87
 1,3-Dichlorobenzene
 Concen: 53.51 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

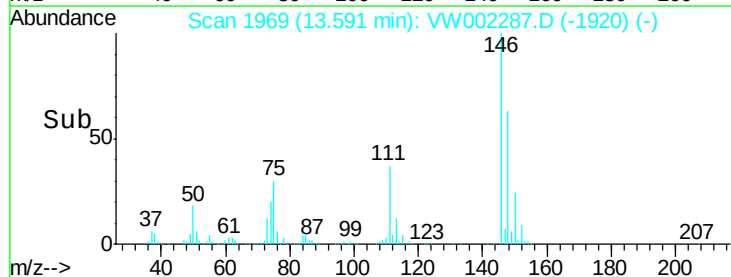
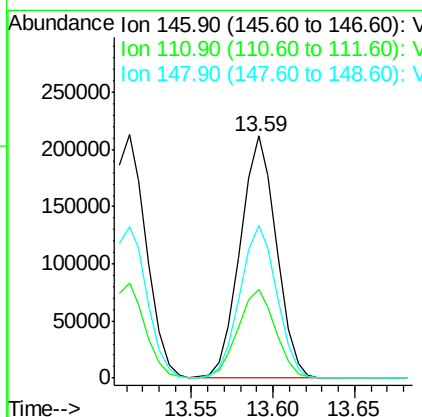
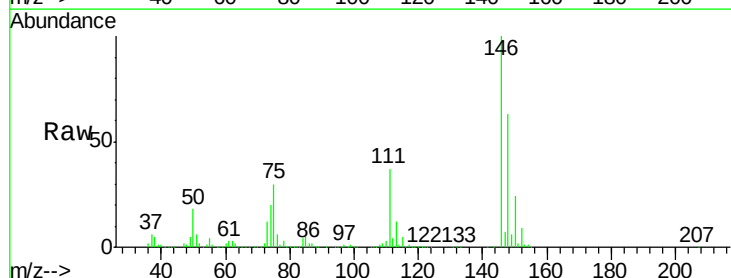
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

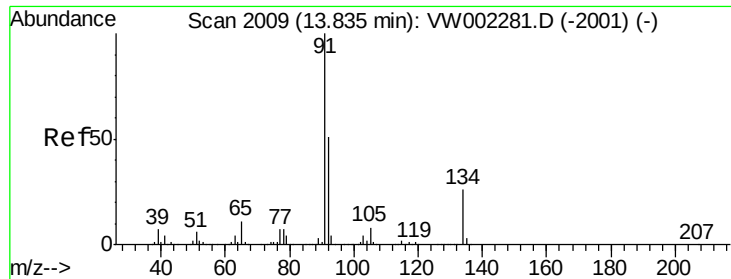
Tot Ion:146 Resp: 334619
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.8
 148 63.3 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 52.66 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002287.D
 Acq: 08 May 2018 11:46

Tgt Ion:146 Resp: 328735
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.0 57.0
 148 64.0 32.3 96.9

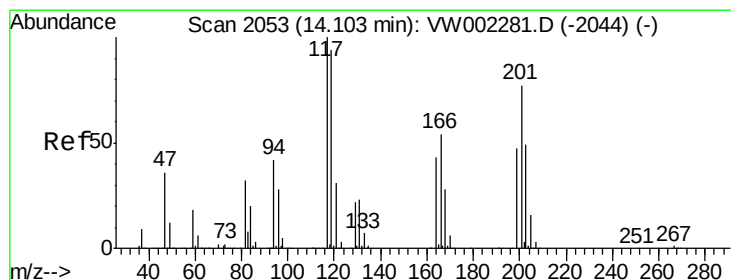
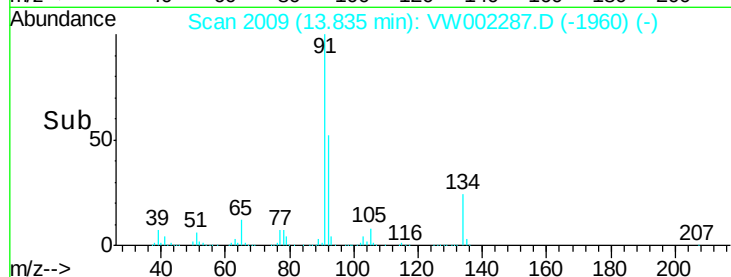
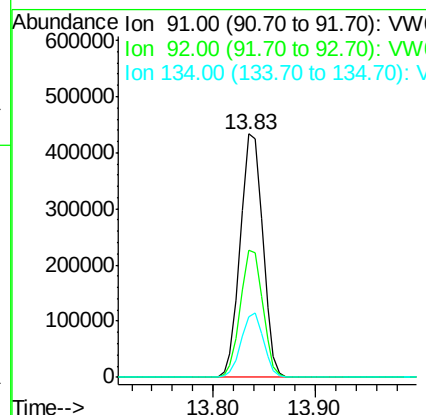
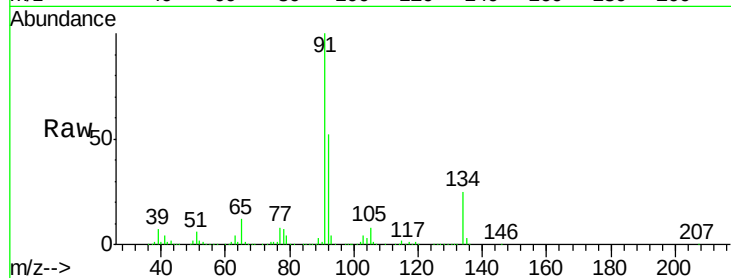




#89
n-Butylbenzene
Concen: 60.81 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

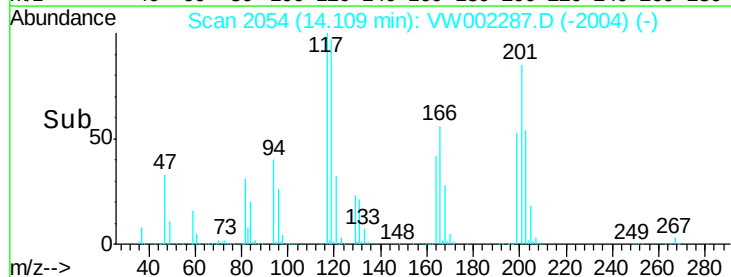
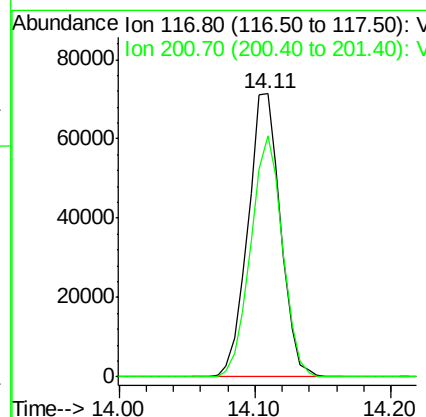
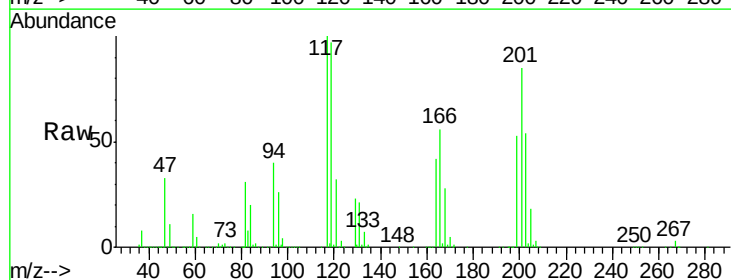
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

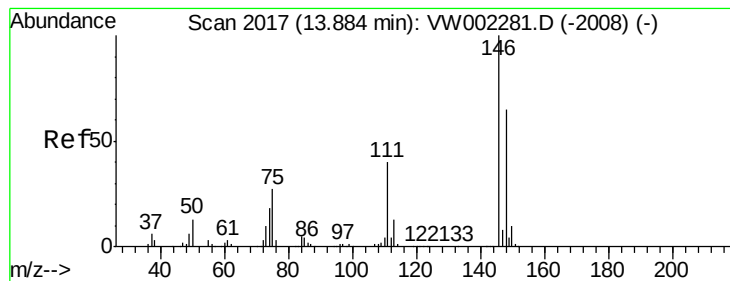
Tot Ion: 91 Resp: 659383
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.8
134 26.0 13.1 39.1



#90
Hexachloroethane
Concen: 57.80 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion: 117 Resp: 119766
Ion Ratio Lower Upper
117 100
201 83.0 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 51.09 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

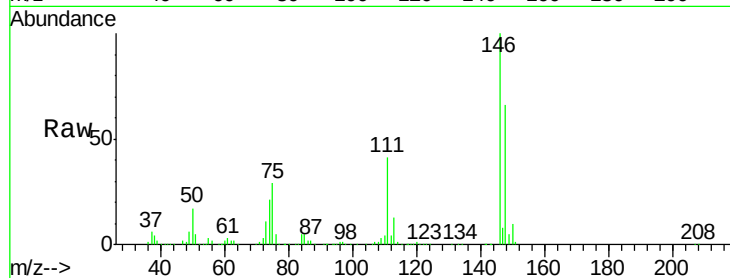
Tot Ion:146 Resp: 289889

Ion Ratio Lower Upper

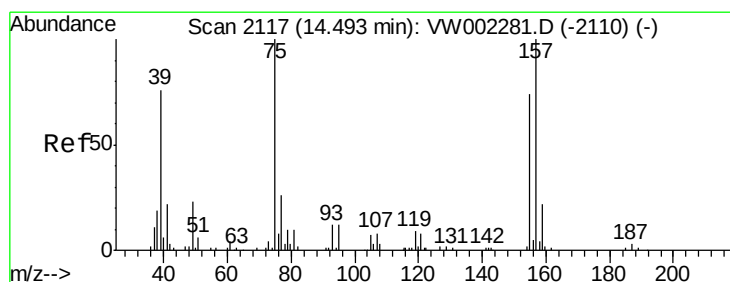
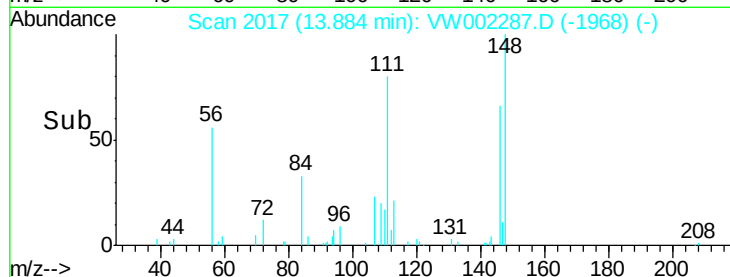
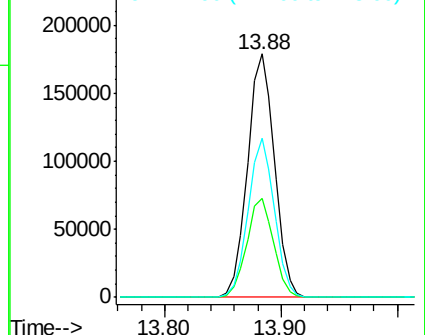
146 100

111 40.2 20.0 59.9

148 63.6 32.5 97.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.71 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

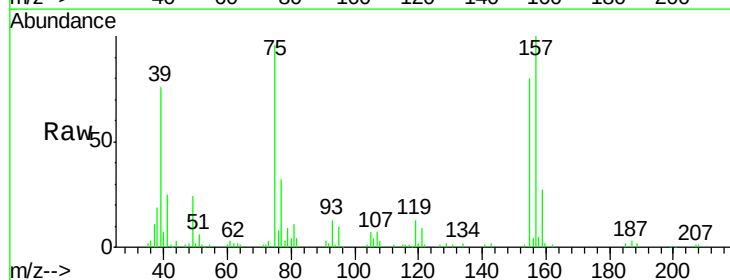
Tgt Ion: 75 Resp: 18725

Ion Ratio Lower Upper

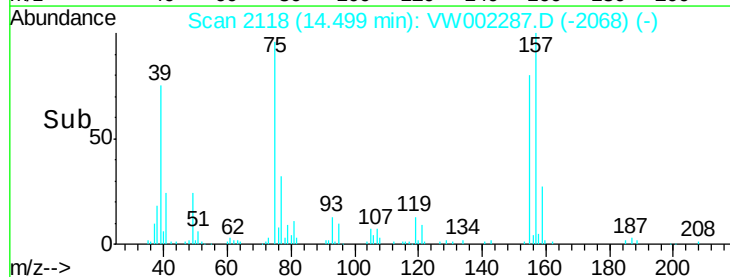
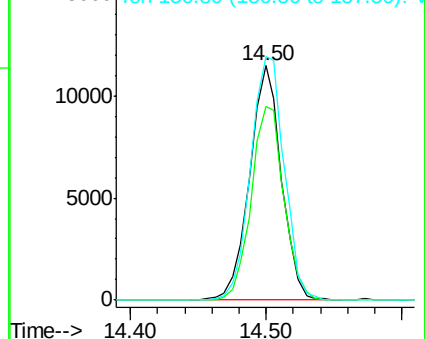
75 100

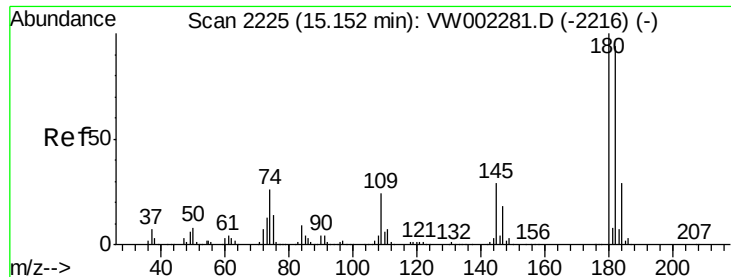
155 85.1 43.3 129.8

157 110.3 55.8 167.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

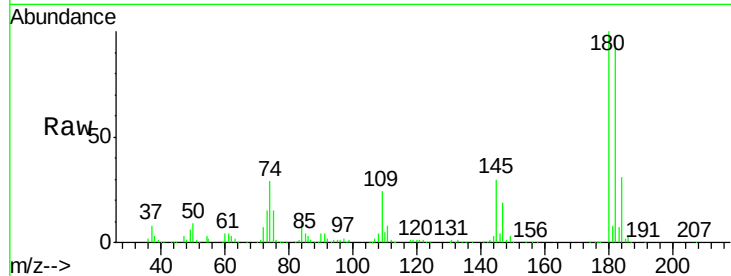




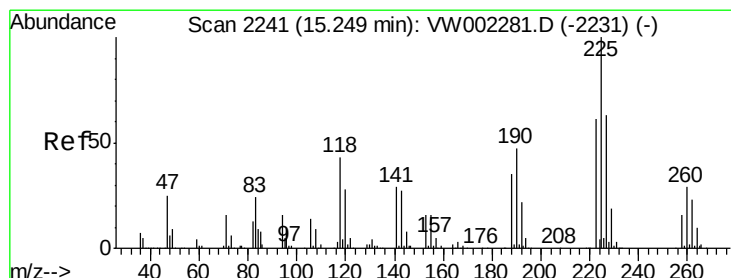
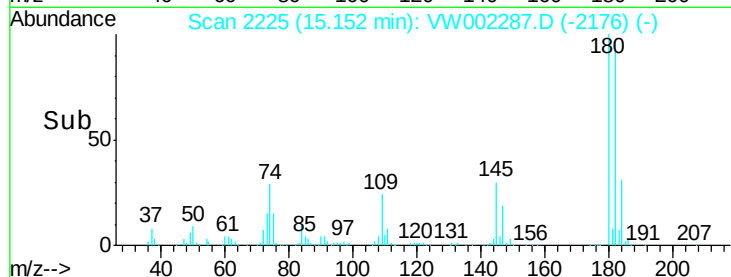
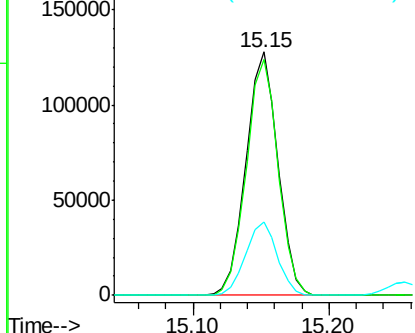
#93
1,2,4-Trichlorobenzene
Concen: 51.73 ug/l
RT: 15.15 min Scan# 2225
Delta R.T. -0.00 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 209802
Ion Ratio Lower Upper
180 100
182 96.9 47.3 141.8
145 29.9 14.5 43.6

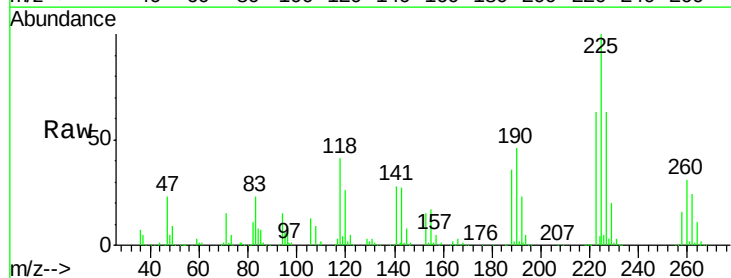


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

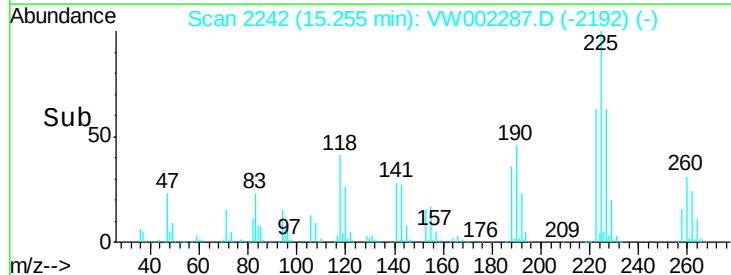
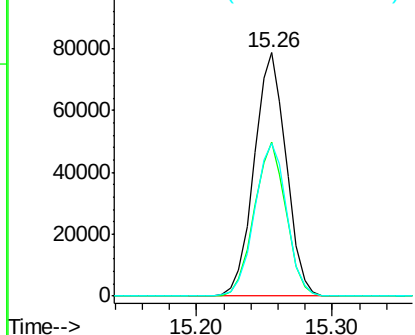


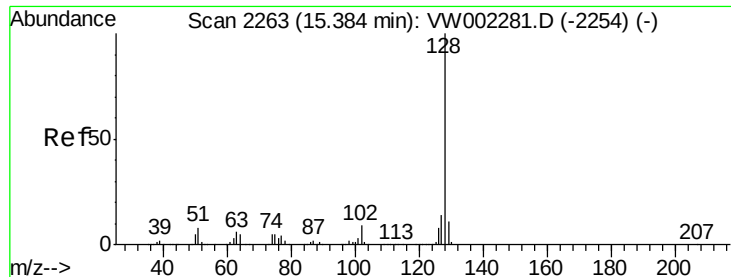
#94
Hexachlorobutadiene
Concen: 57.33 ug/l
RT: 15.26 min Scan# 2242
Delta R.T. 0.01 min
Lab File: VW002287.D
Acq: 08 May 2018 11:46

Tgt Ion:225 Resp: 129533
Ion Ratio Lower Upper
225 100
223 62.7 30.9 92.7
227 63.3 32.0 96.0



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: 46.91 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

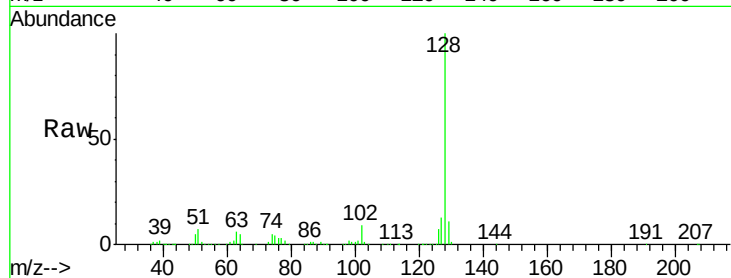
Tot Ion:128 Resp: 349775

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

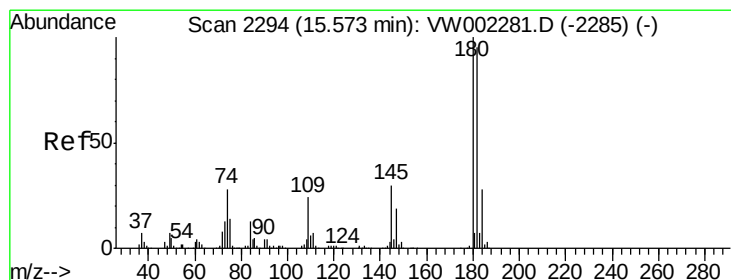
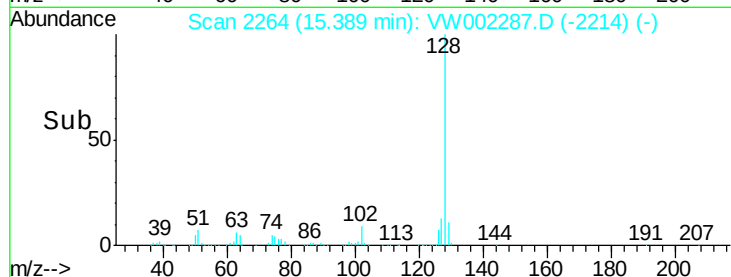
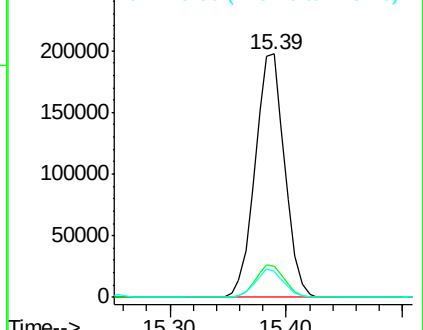
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.93 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VW002287.D

Acq: 08 May 2018 11:46

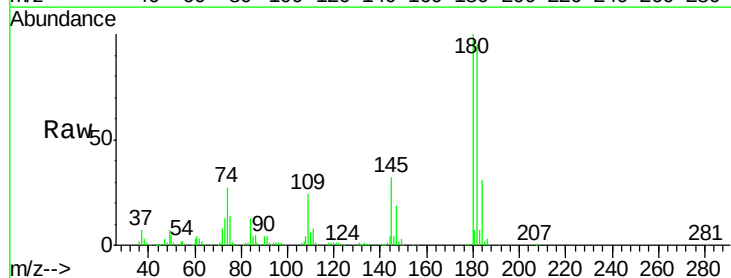
Tgt Ion:180 Resp: 177957

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.0

145 32.0 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

