

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003976.D
 Acq On : 17 Jul 2018 11:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 17 13:44:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	198579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157210	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	140669	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.33	98	555358	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	195565	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70449	45.32	ug/l	99
3) Chloromethane	2.21	50	102236	49.97	ug/l	97
4) Vinyl Chloride	2.36	62	143672	51.06	ug/l	100
5) Bromomethane	2.78	94	84688	48.15	ug/l	97
6) Chloroethane	2.92	64	77912	48.73	ug/l	97
7) Trichlorofluoromethane	3.25	101	65573	55.51	ug/l	96
8) Diethyl Ether	3.68	74	59062	43.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	137484	50.43	ug/l	99
10) Methyl Iodide	4.26	142	198623	50.73	ug/l	100
11) Tert butyl alcohol	5.18	59	49926	233.76	ug/l	99
12) 1,1-Dichloroethene	4.03	96	135395	50.34	ug/l	100
13) Acrolein	3.89	56	52547	239.45	ug/l	97
14) Allyl chloride	4.66	41	233266	52.54	ug/l	99
15) Acrylonitrile	5.36	53	167436	238.28	ug/l	99
16) Acetone	4.12	43	208850	280.92	ug/l	98
17) Carbon Disulfide	4.37	76	435841	51.91	ug/l	100
18) Methyl Acetate	4.67	43	83522	46.80	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	253256	49.13	ug/l	100
20) Methylene Chloride	4.91	84	146120	43.49	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	146632	49.73	ug/l	98
22) Diisopropyl ether	6.31	45	460490	51.32	ug/l	99
23) Vinyl Acetate	6.26	43	1412388	248.42	ug/l	100
24) 1,1-Dichloroethane	6.21	63	270531	49.41	ug/l	99
25) 2-Butanone	7.17	43	245022	244.91	ug/l	98
26) 2,2-Dichloropropane	7.17	77	163082	51.89	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	154983	48.62	ug/l	98
28) Bromochloromethane	7.51	49	107015	47.76	ug/l	99
29) Tetrahydrofuran	7.53	42	148873	238.89	ug/l	99
30) Chloroform	7.68	83	272106	49.96	ug/l	97
31) Cyclohexane	7.95	56	255104	49.70	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	215684	50.72	ug/l	100
36) 1,1-Dichloropropene	8.08	75	223270	51.75	ug/l	99
37) Ethyl Acetate	7.26	43	103064	49.53	ug/l	98
38) Carbon Tetrachloride	8.07	117	210610	52.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	267160	52.88	ug/l	99
40) Benzene	8.32	78	612672	51.19	ug/l	100
41) Methacrylonitrile	7.48	41	53650	46.53	ug/l	97
42) 1,2-Dichloroethane	8.40	62	182956	50.10	ug/l	99
43) Isopropyl Acetate	8.43	43	188969	48.55	ug/l	99
44) Trichloroethene	9.09	130	156396	50.41	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154899	50.70	ug/l	99
46) Dibromomethane	9.46	93	79142	49.92	ug/l	99
47) Bromodichloromethane	9.65	83	198376	50.76	ug/l	99
48) Methyl methacrylate	9.44	41	93035	49.43	ug/l	100
49) 1,4-Dioxane	9.45	88	24059	987.34	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	510537	246.21	ug/l	100
52) Toluene	10.39	92	381415	51.53	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	205102	50.19	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	236694	50.63	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	109485	49.11	ug/l	99
56) Ethyl methacrylate	10.65	69	144310	45.53	ug/l	97
57) 1,3-Dichloropropane	10.94	76	193974	50.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	327392	247.53	ug/l	99
59) 2-Hexanone	10.98	43	379640	259.77	ug/l	99
60) Dibromochloromethane	11.13	129	129758	49.98	ug/l	99
61) 1,2-Dibromoethane	11.24	107	106035	49.98	ug/l	98
64) Tetrachloroethene	10.87	164	132224	49.94	ug/l	97
65) Chlorobenzene	11.66	112	410568	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	144946	50.83	ug/l	99
67) Ethyl Benzene	11.74	91	743429	51.57	ug/l	99
68) m/p-Xylenes	11.85	106	568623	103.21	ug/l	100
69) o-Xylene	12.17	106	262984	51.46	ug/l	99
70) Styrene	12.19	104	439883	51.53	ug/l	100
71) Bromoform	12.35	173	78427	48.71	ug/l	# 100
73) Isopropylbenzene	12.47	105	735371	52.41	ug/l	100
74) N-amyl acetate	12.28	43	181798	49.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	132445	48.81	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	178608	90.60	ug/l	# 100
77) Bromobenzene	12.76	156	168000	50.04	ug/l	100
78) n-propylbenzene	12.81	91	914240	53.11	ug/l	100
79) 2-Chlorotoluene	12.90	91	504959	52.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	623936	52.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	43093	48.35	ug/l	97
82) 4-Chlorotoluene	12.99	91	530804	50.94	ug/l	100
83) tert-Butylbenzene	13.21	119	527434	53.20	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	639258	52.62	ug/l	99
85) sec-Butylbenzene	13.39	105	784694	53.34	ug/l	100
86) p-Isopropyltoluene	13.51	119	690542	53.52	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	337024	50.26	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	335933	49.95	ug/l	99
89) n-Butylbenzene	13.83	91	680431	53.64	ug/l	99
90) Hexachloroethane	14.10	117	122010	51.30	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	299728	50.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22917	47.49	ug/l	98

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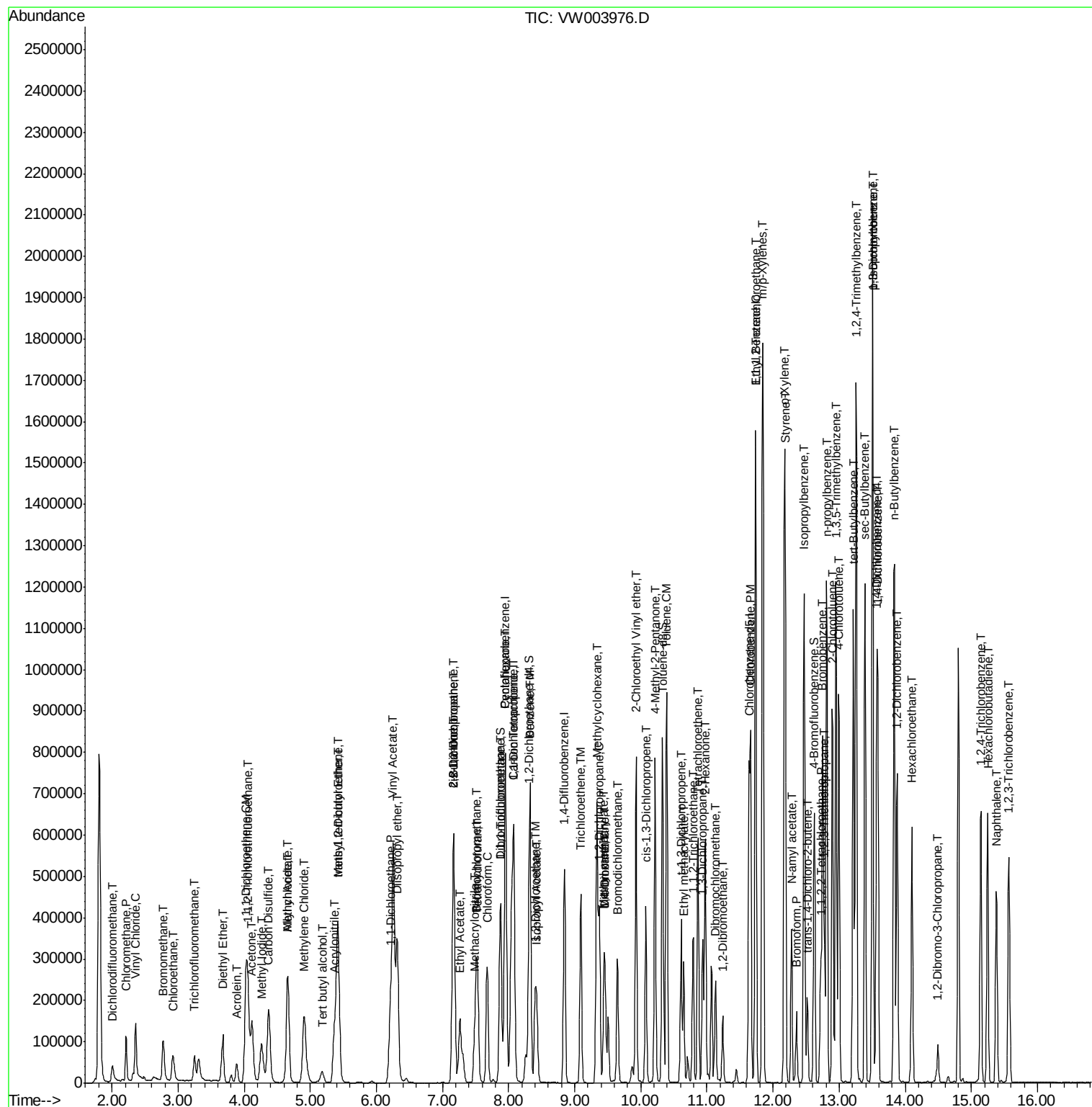
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	213331	50.84	ug/l	99
94) Hexachlorobutadiene	15.25	225	127266	52.82	ug/l	99
95) Naphthalene	15.38	128	390493	50.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	187535	50.48	ug/l	99

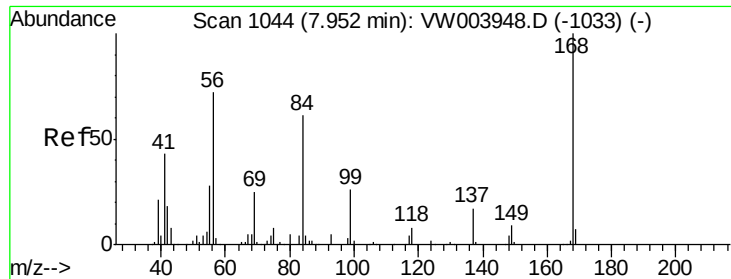
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 16 15:06:12 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

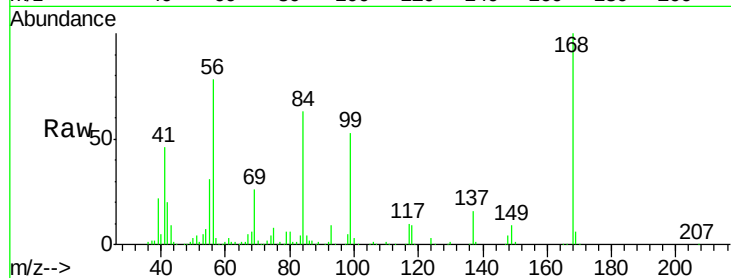
VSTDCCC050

Tot Ion:168 Resp: 276778

Ion Ratio Lower Upper

168 100

99 53.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

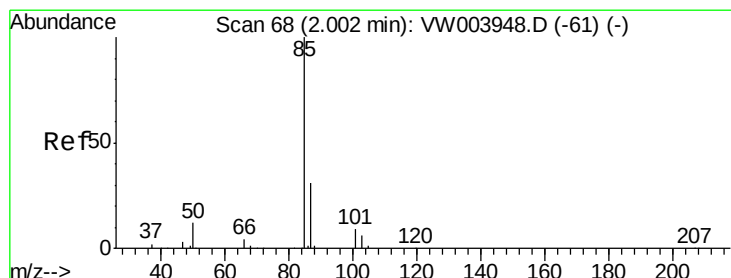
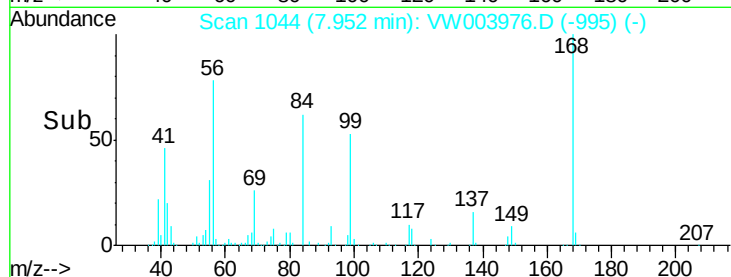
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.32 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003976.D

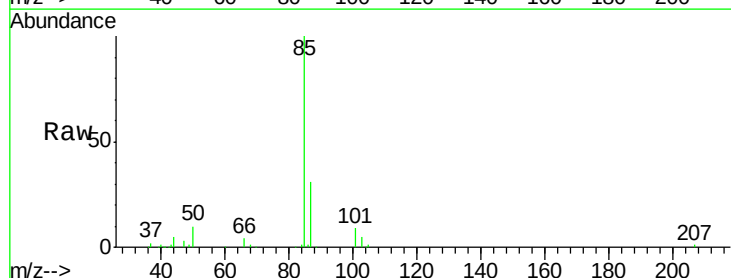
Acq: 17 Jul 2018 11:02

Tgt Ion: 85 Resp: 70449

Ion Ratio Lower Upper

85 100

87 31.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

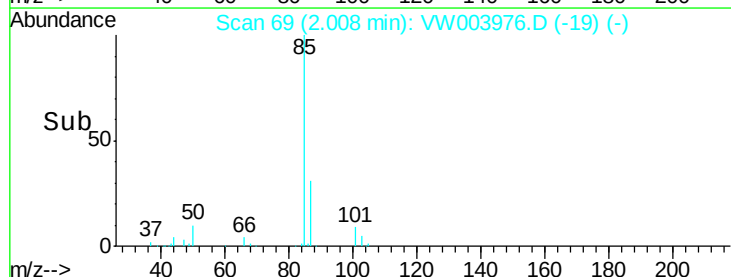
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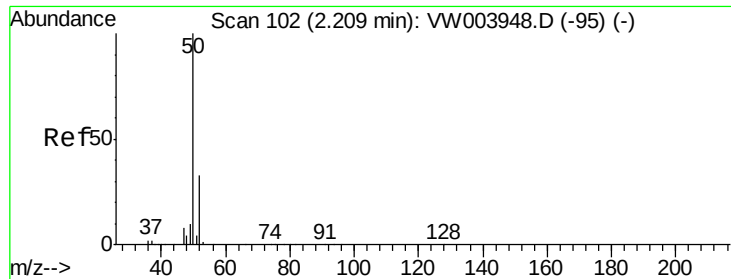
10000

5000

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Time-->





#3

Chloromethane

Concen: 49.97 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

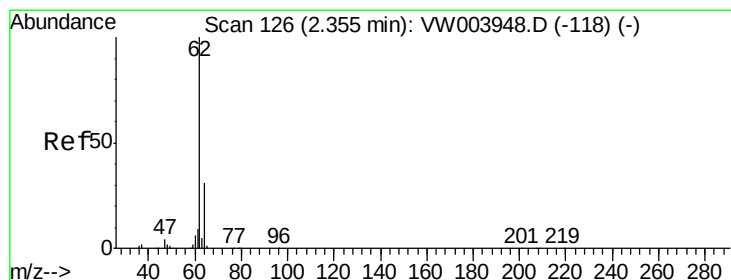
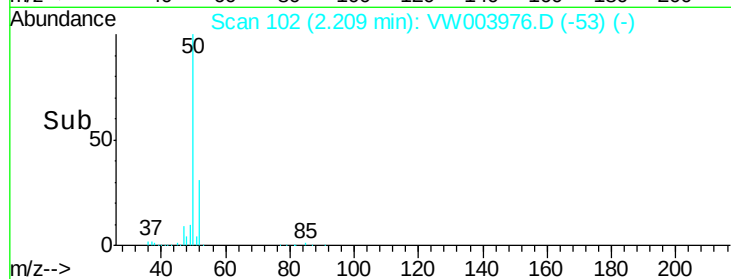
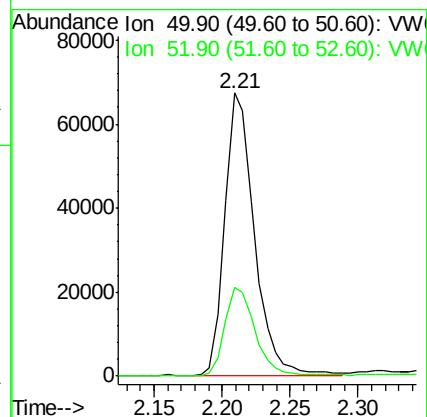
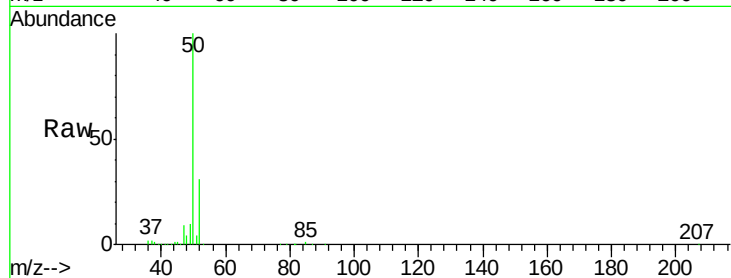
VSTDCCC050

Tot Ion: 50 Resp: 102236

Ion Ratio Lower Upper

50 100

52 31.4 26.3 39.5



#4

Vinyl Chloride

Concen: 51.06 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003976.D

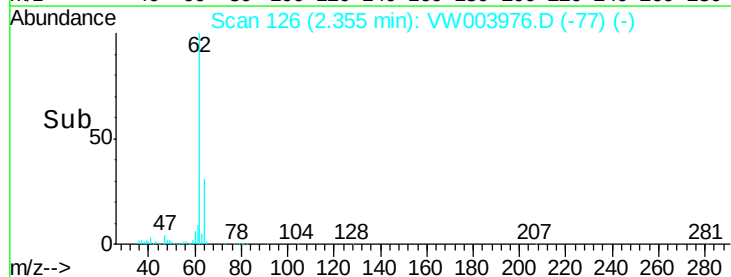
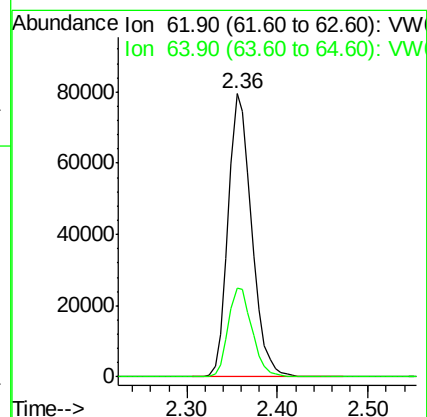
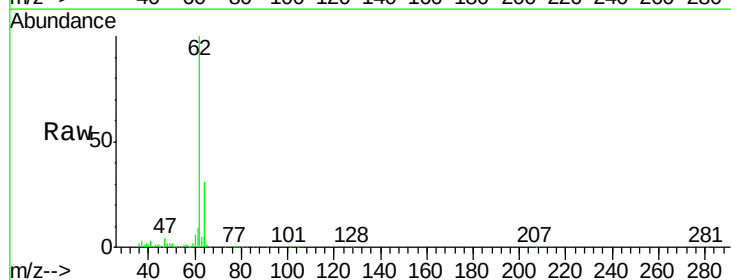
Acq: 17 Jul 2018 11:02

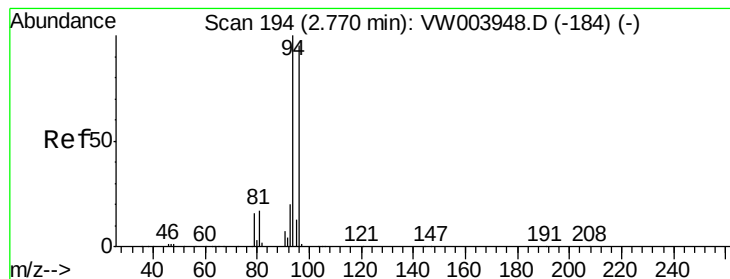
Tgt Ion: 62 Resp: 143672

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 48.15 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

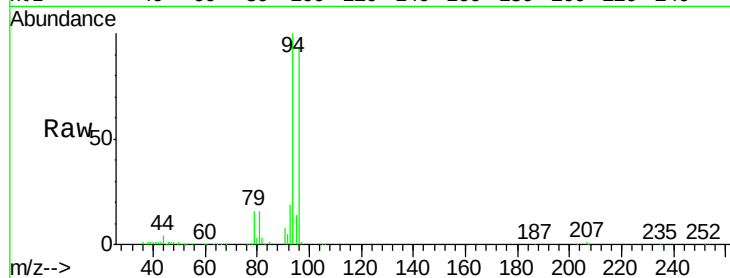
VSTDCCC050

Tot Ion: 94 Resp: 84688

Ion Ratio Lower Upper

94 100

96 92.2 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

40000

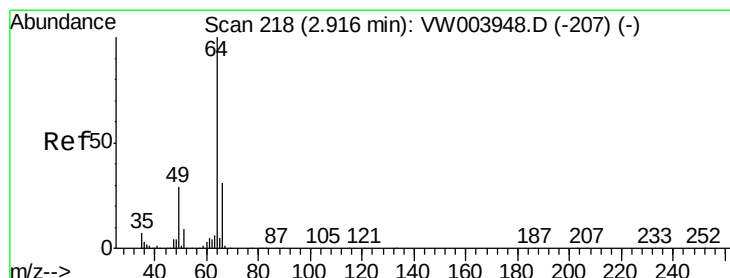
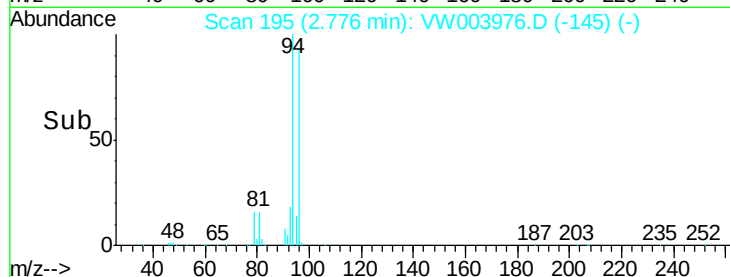
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.73 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003976.D

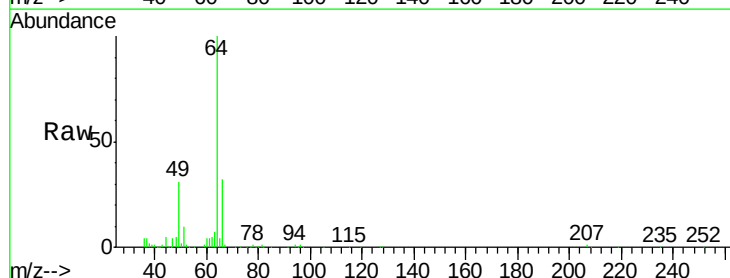
Acq: 17 Jul 2018 11:02

Tgt Ion: 64 Resp: 77912

Ion Ratio Lower Upper

64 100

66 32.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

30000

25000

20000

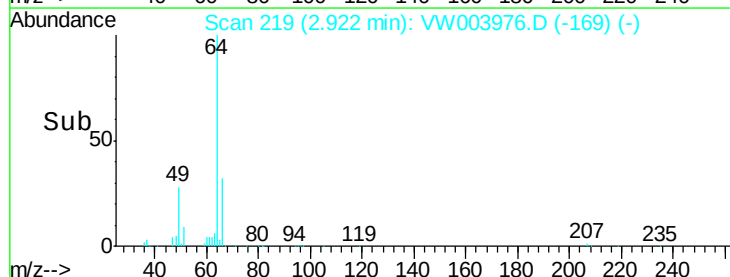
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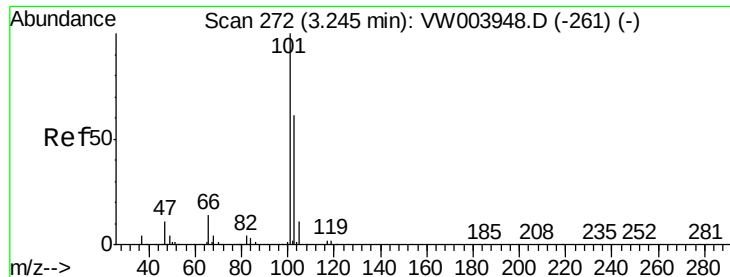
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0

Time-->



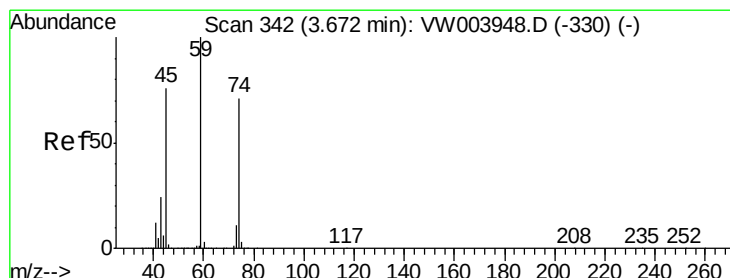
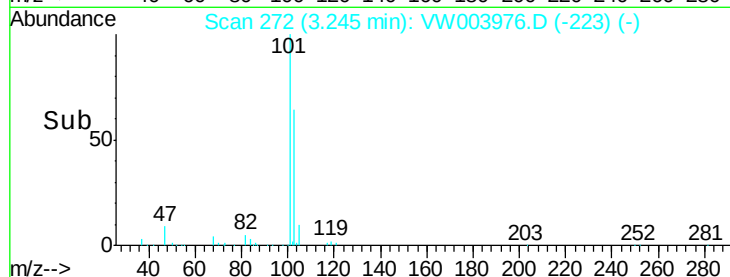
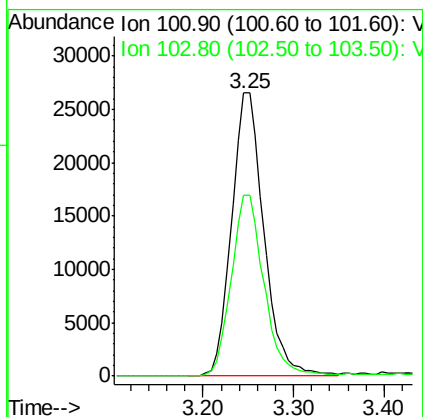
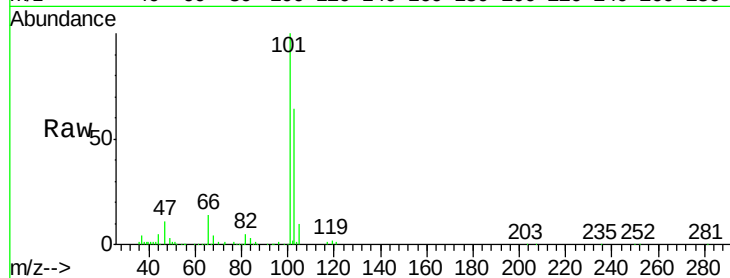


#7

Trichlorofluoromethane
 Concen: 55.51 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

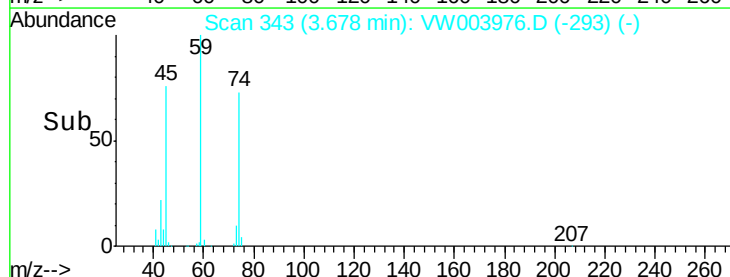
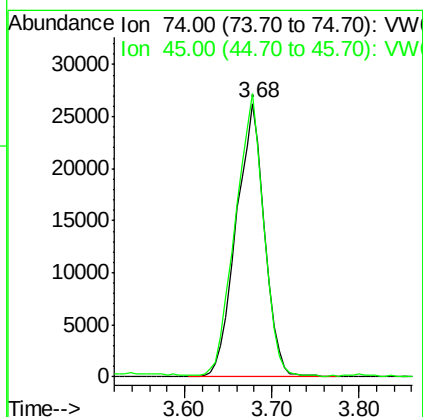
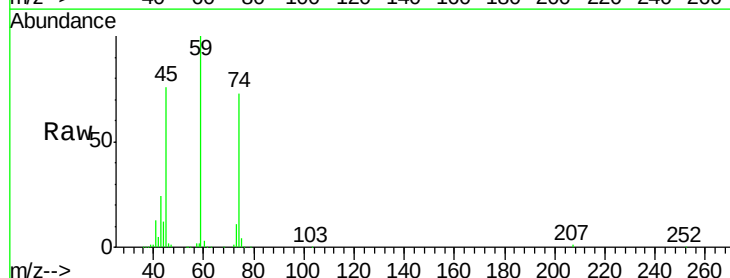
Tot Ion:101 Resp: 65573
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.0 73.6

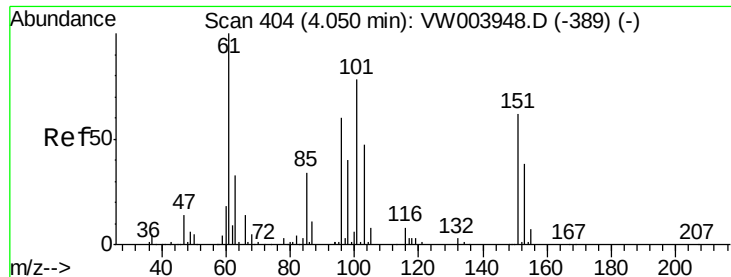


#8

Diethyl Ether
 Concen: 43.07 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 74 Resp: 59062
 Ion Ratio Lower Upper
 74 100
 45 104.0 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.43 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

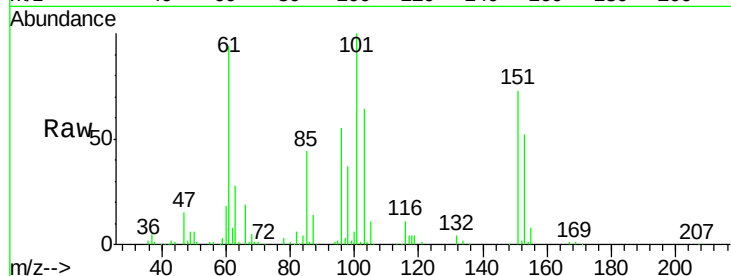
Tot Ion:101 Resp: 137484

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

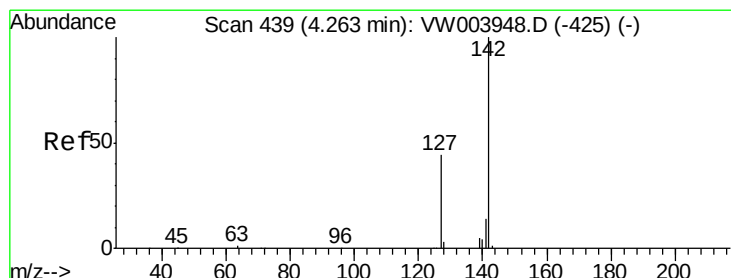
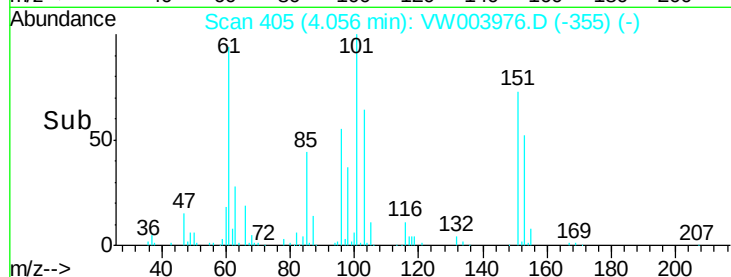
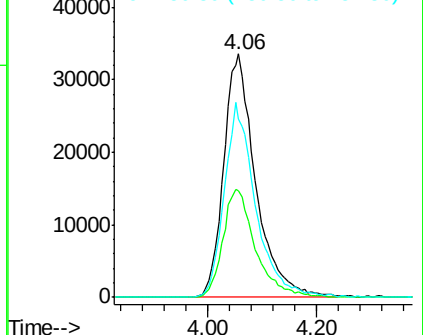
151 78.0 63.6 95.4



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: 50.73 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

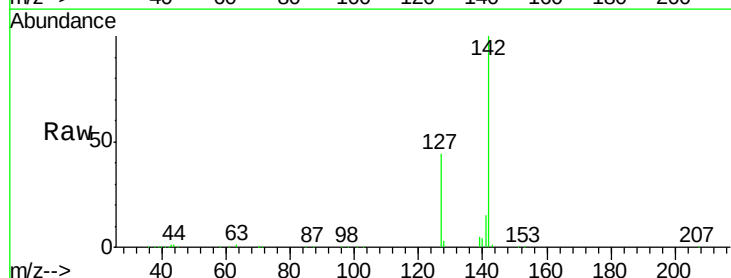
Tgt Ion:142 Resp: 198623

Ion Ratio Lower Upper

142 100

127 44.7 35.4 53.2

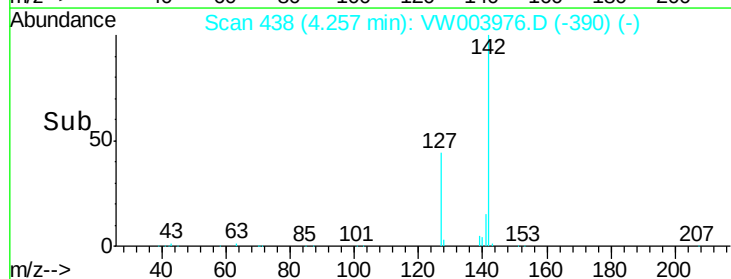
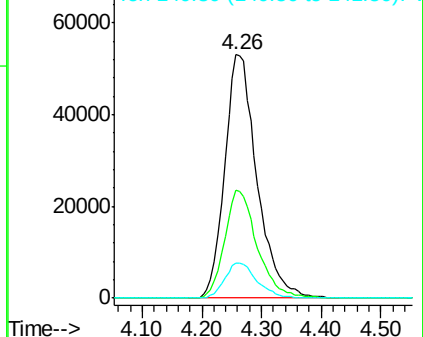
141 14.6 11.7 17.5

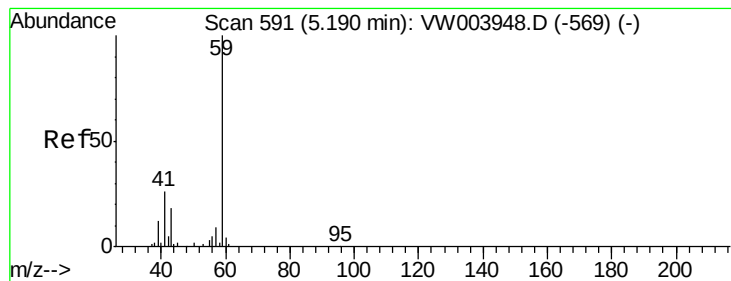


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 233.76 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

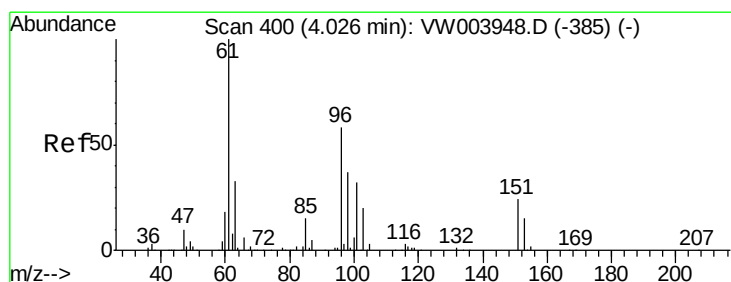
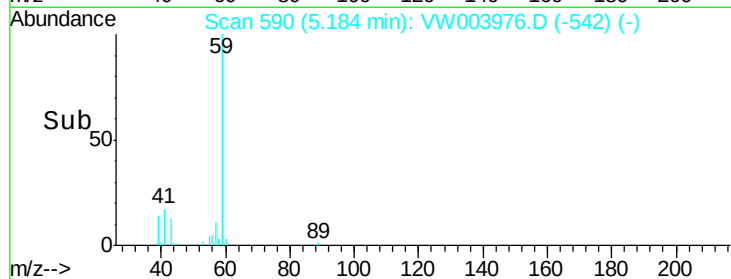
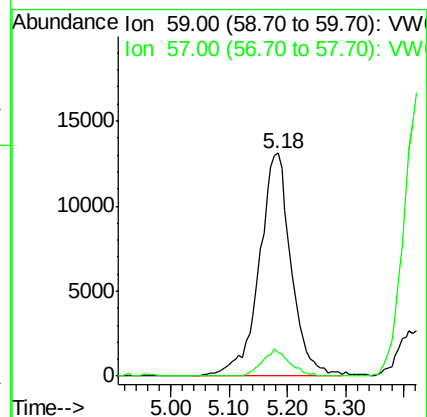
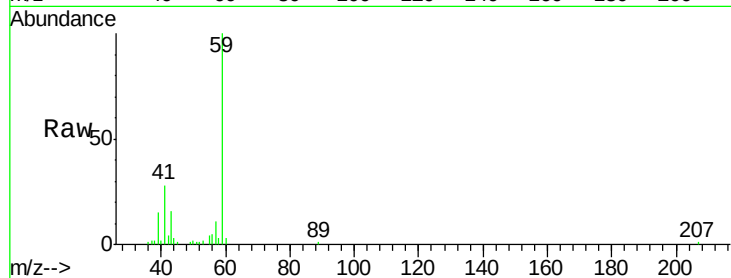
VSTDCCC050

Tot Ion: 59 Resp: 49926

Ion Ratio Lower Upper

59 100

57 10.3 8.5 12.7



#12

1,1-Dichloroethene

Concen: 50.34 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

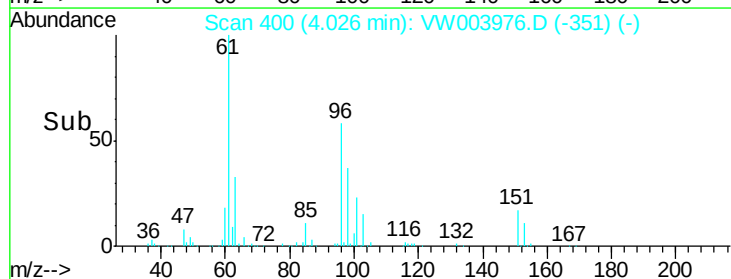
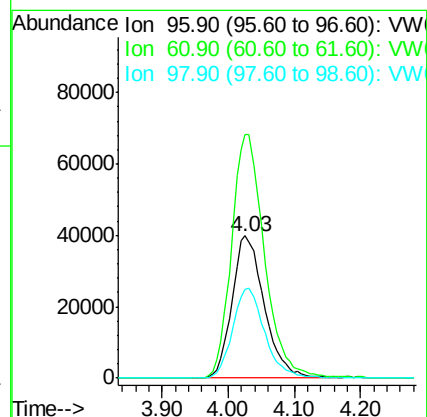
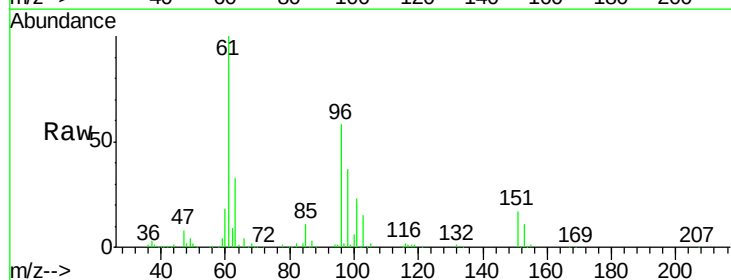
Tgt Ion: 96 Resp: 135395

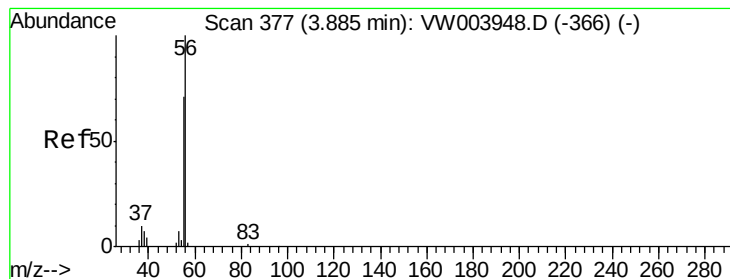
Ion Ratio Lower Upper

96 100

61 171.2 137.0 205.6

98 62.8 50.2 75.4





#13

Acrolein

Concen: 239.45 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

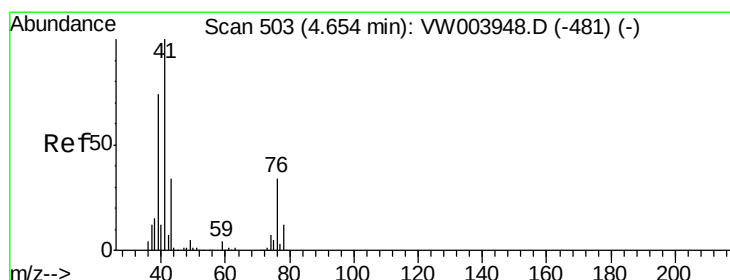
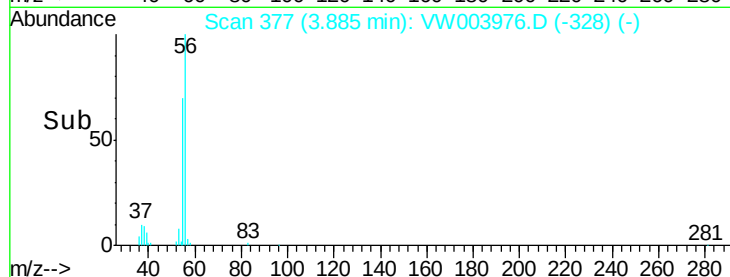
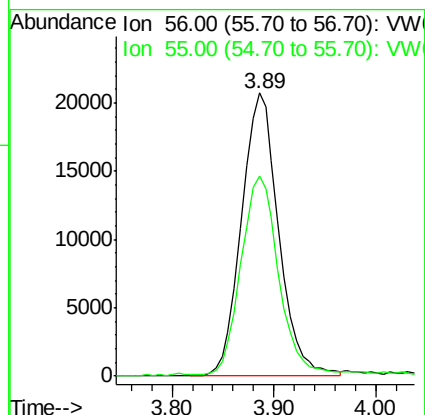
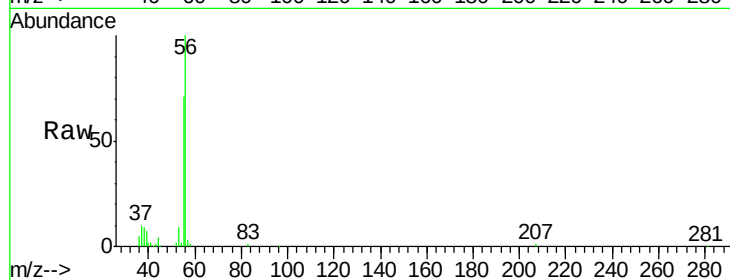
VSTDCCC050

Tot Ion: 56 Resp: 52547

Ion Ratio Lower Upper

56 100

55 70.4 58.2 87.4



#14

Allyl chloride

Concen: 52.54 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

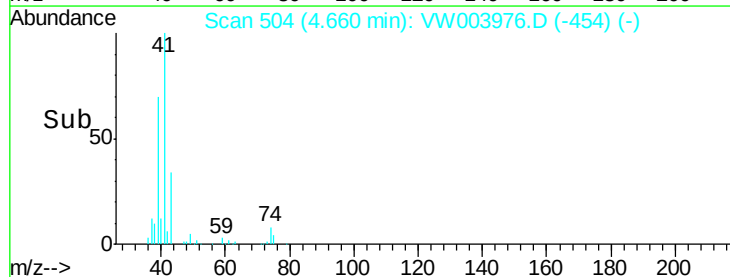
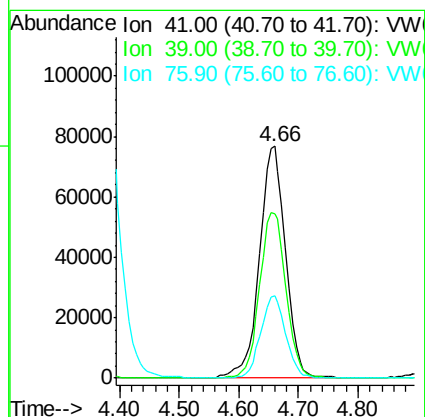
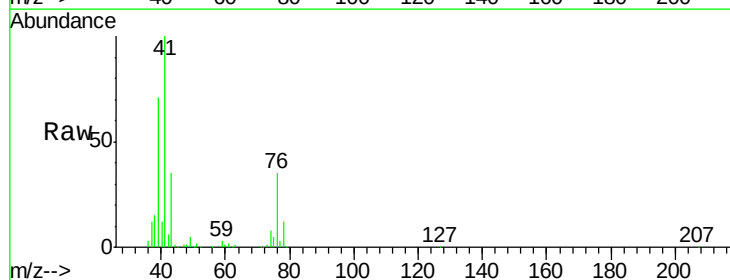
Tgt Ion: 41 Resp: 233266

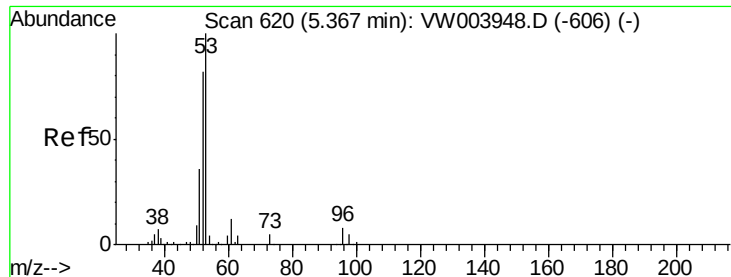
Ion Ratio Lower Upper

41 100

39 72.5 57.0 85.4

76 33.9 26.5 39.7





#15

Acrylonitrile

Concen: 238.28 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

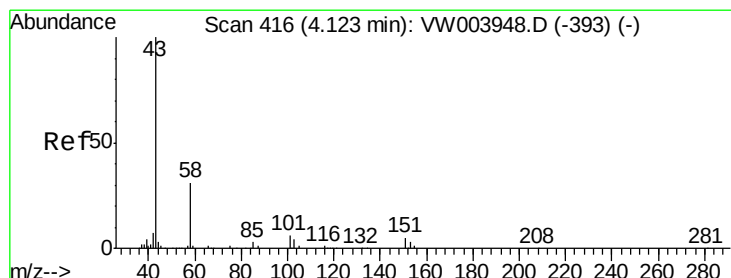
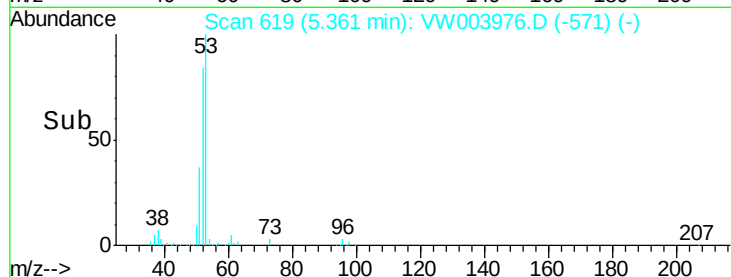
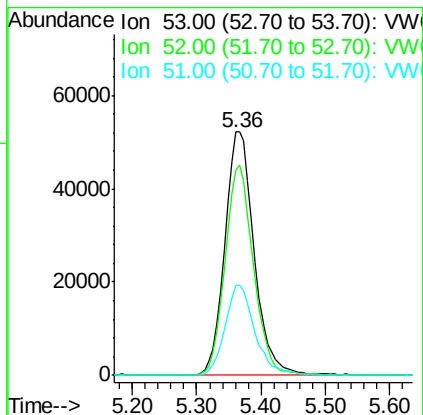
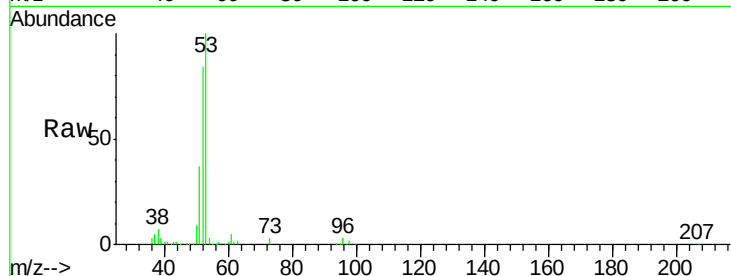
Tot Ion: 53 Resp: 167436

Ion Ratio Lower Upper

53 100

52 83.2 66.1 99.1

51 37.8 29.8 44.6



#16

Acetone

Concen: 280.92 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW003976.D

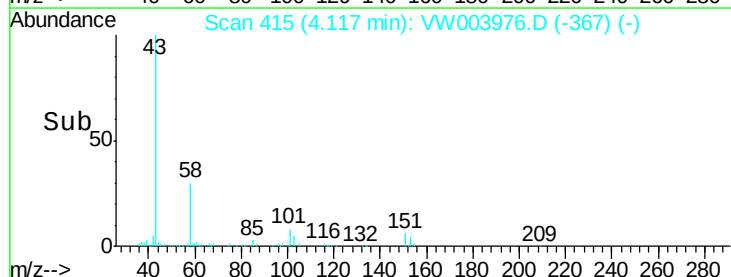
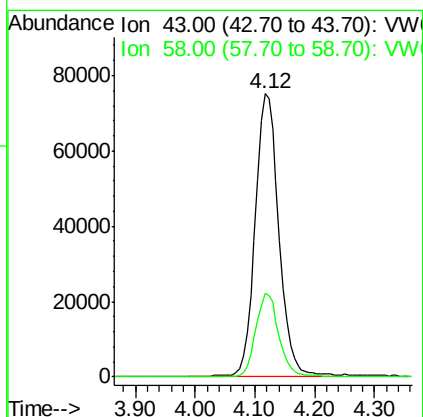
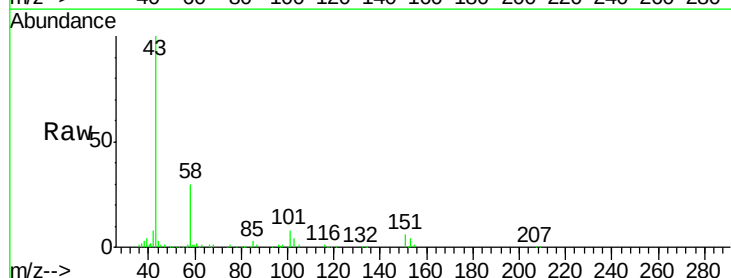
Acq: 17 Jul 2018 11:02

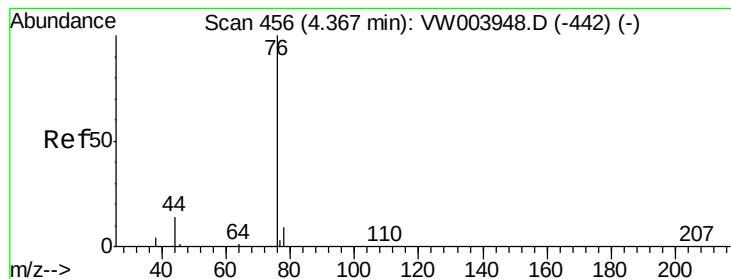
Tgt Ion: 43 Resp: 208850

Ion Ratio Lower Upper

43 100

58 29.6 24.5 36.7





#17

Carbon Disulfide

Concen: 51.91 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

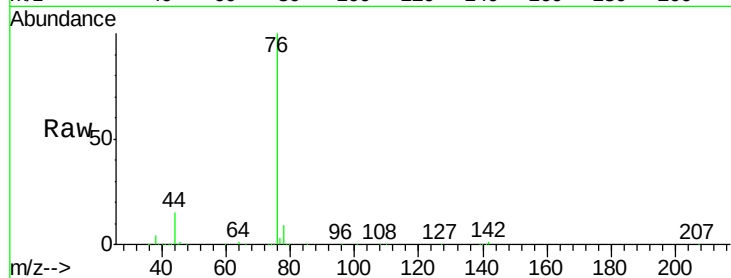
VSTDCCC050

Tot Ion: 76 Resp: 435841

Ion Ratio Lower Upper

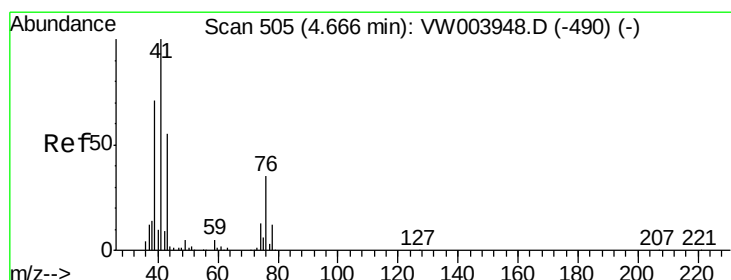
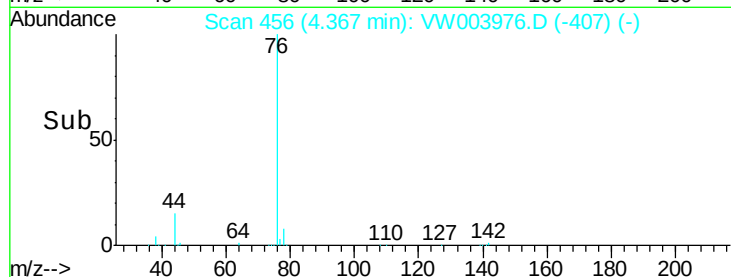
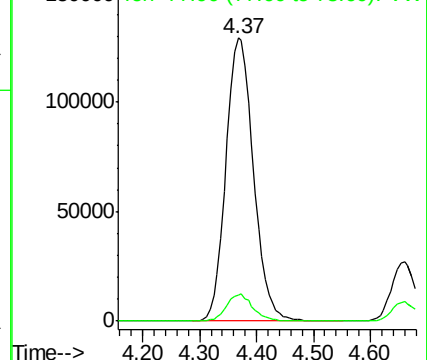
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 46.80 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003976.D

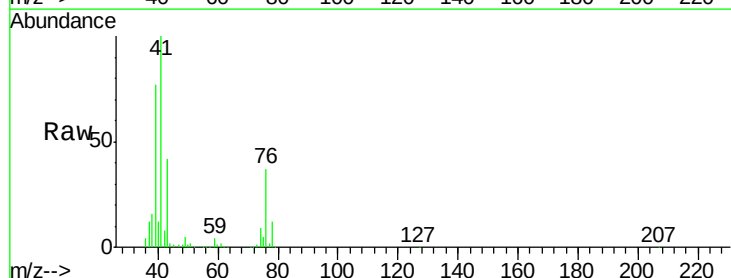
Acq: 17 Jul 2018 11:02

Tgt Ion: 43 Resp: 83522

Ion Ratio Lower Upper

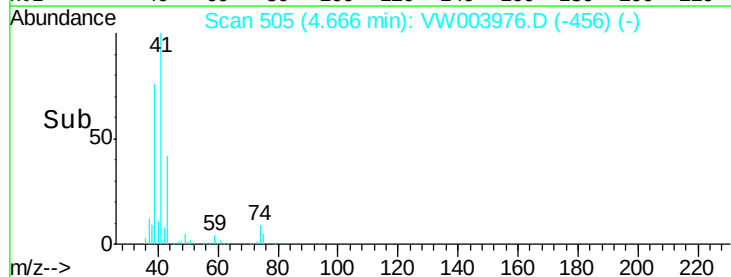
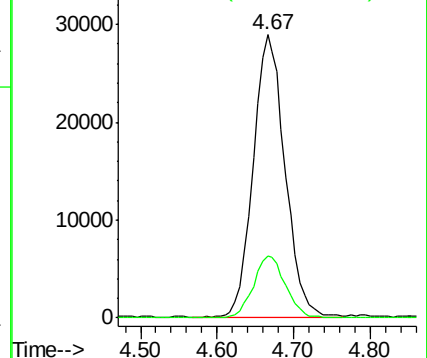
43 100

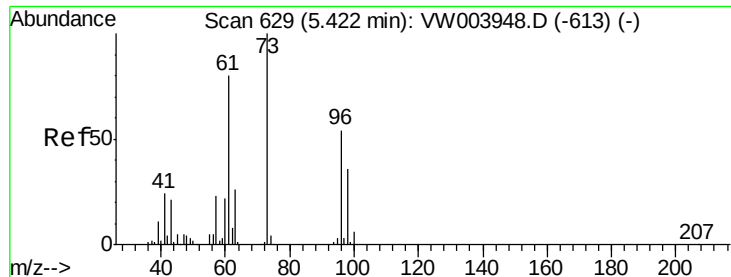
74 21.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

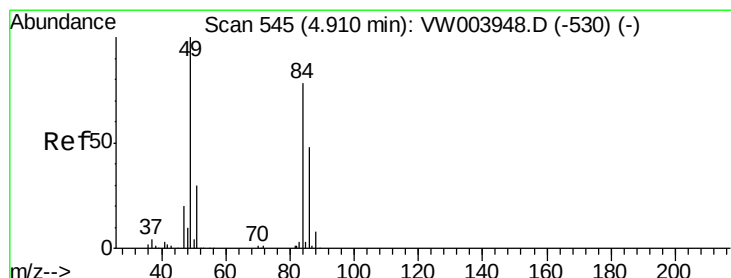
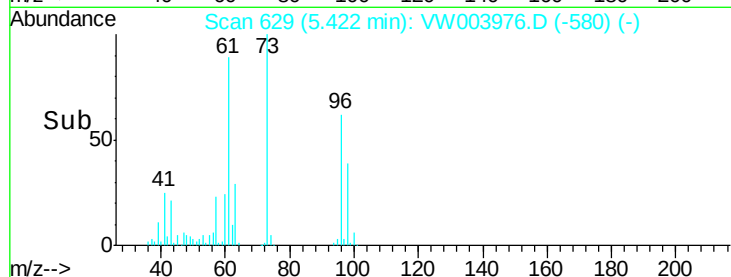
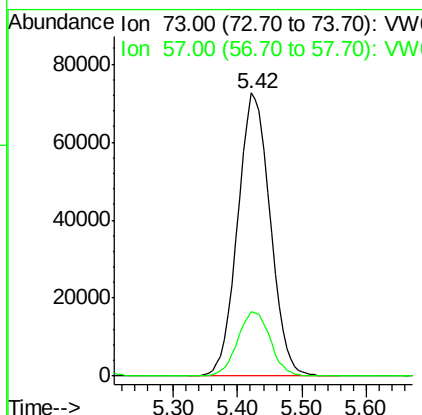
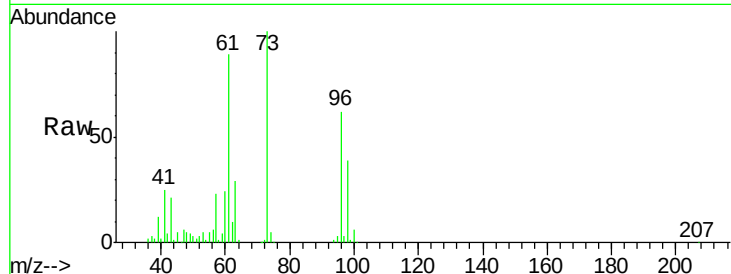




#19
Methyl tert-butyl Ether
Concen: 49.13 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

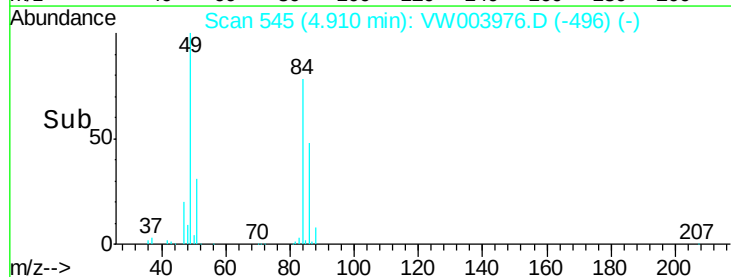
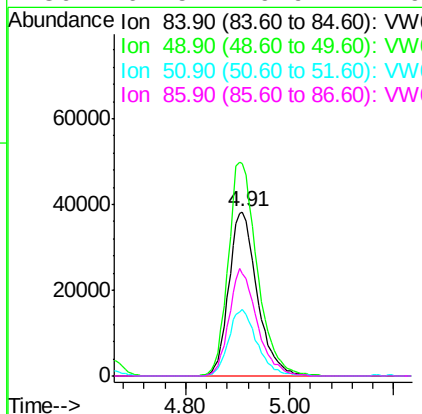
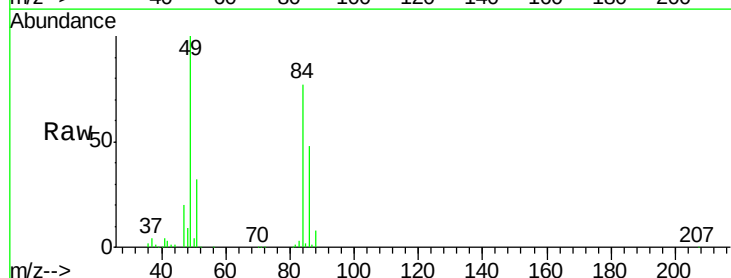
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

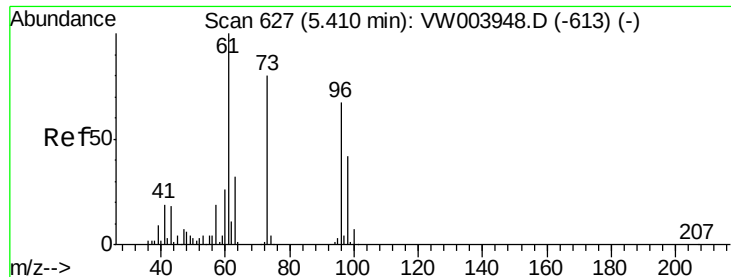
Tot Ion: 73 Resp: 253256
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4



#20
Methylene Chloride
Concen: 43.49 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 84 Resp: 146120
Ion Ratio Lower Upper
84 100
49 129.7 102.9 154.3
51 40.9 30.9 46.3
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.73 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

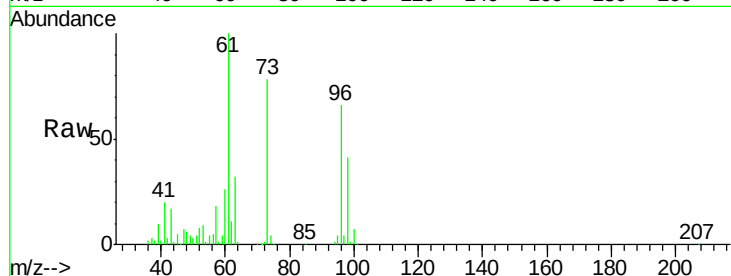
Tot Ion: 96 Resp: 146632

Ion Ratio Lower Upper

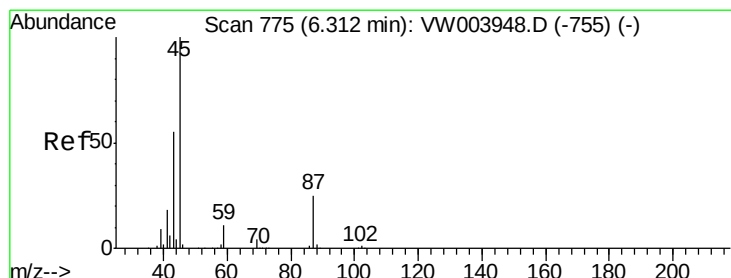
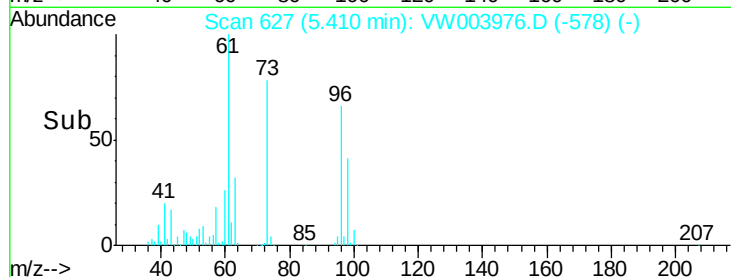
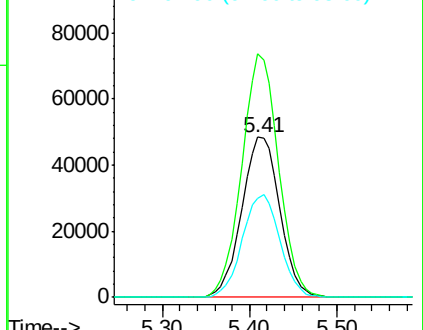
96 100

61 152.3 119.0 178.4

98 62.1 49.9 74.9



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



#22

Diisopropyl ether

Concen: 51.32 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion: 45 Resp: 460490

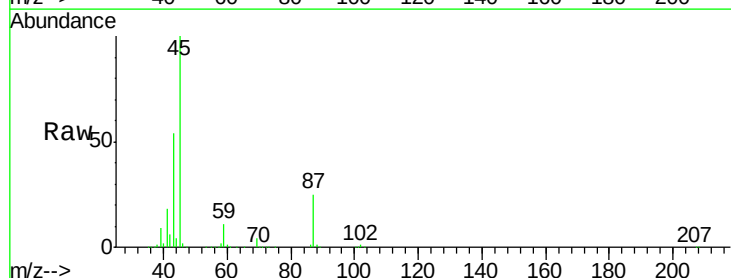
Ion Ratio Lower Upper

45 100

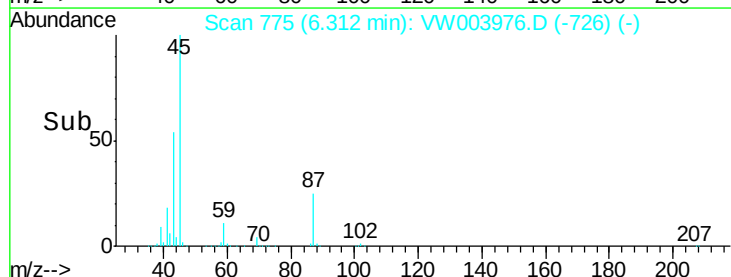
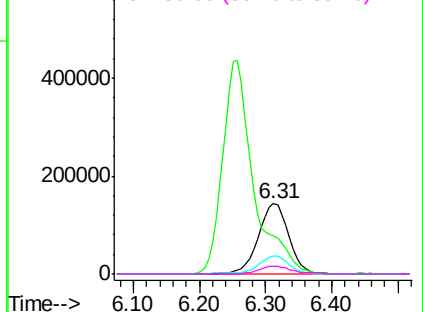
43 54.1 44.3 66.5

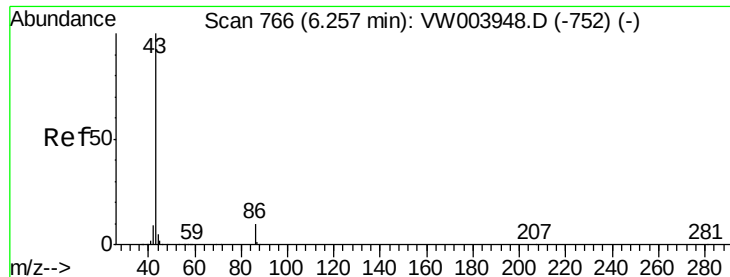
87 25.2 20.2 30.4

59 10.6 9.0 13.4



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





#23

Vinyl Acetate

Concen: 248.42 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

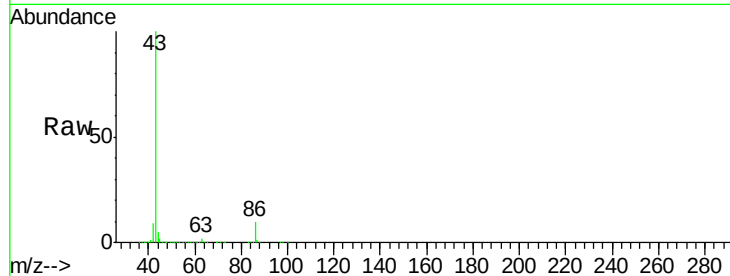
VSTDCCC050

Tot Ion: 43 Resp: 1412388

Ion Ratio Lower Upper

43 100

86 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

500000

400000

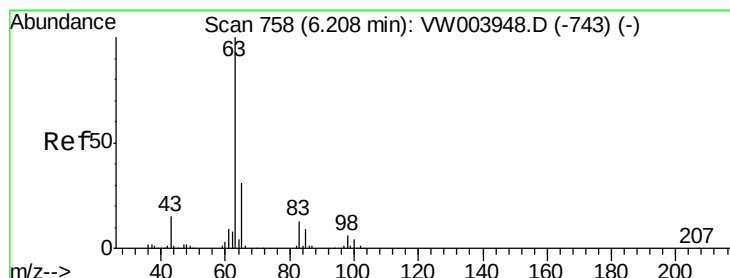
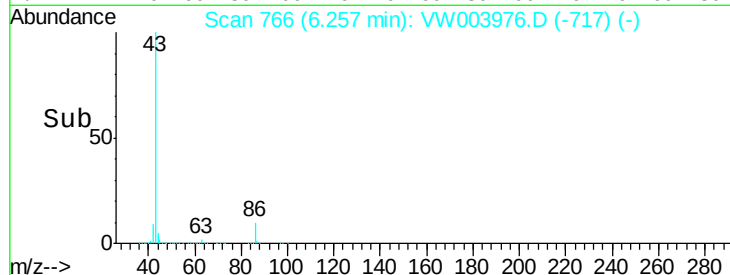
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.41 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

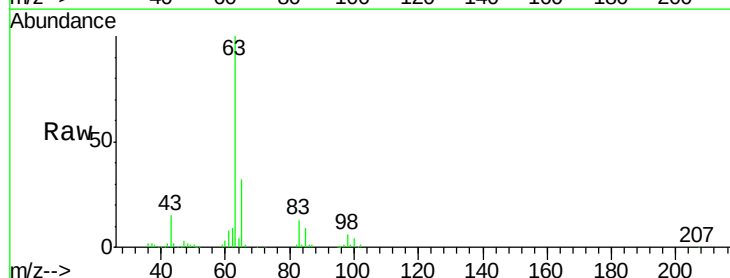
Tgt Ion: 63 Resp: 270531

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

120000

100000

80000

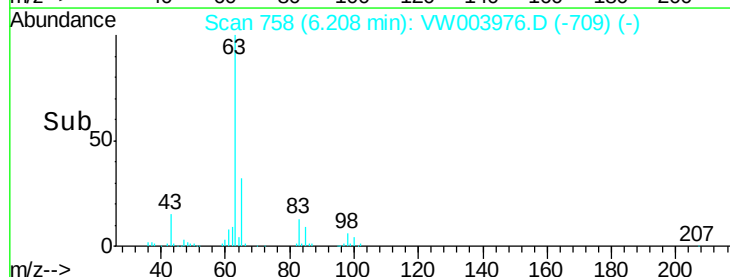
60000

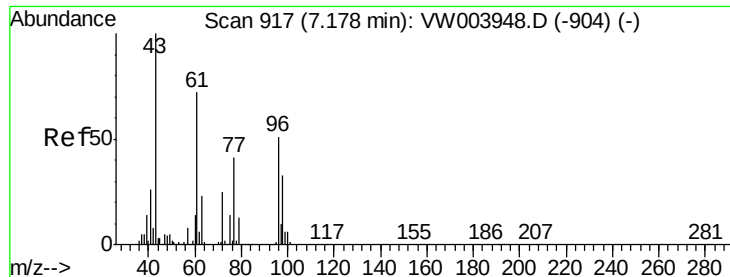
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.91 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

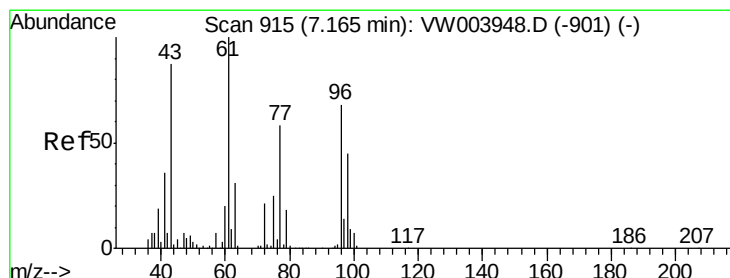
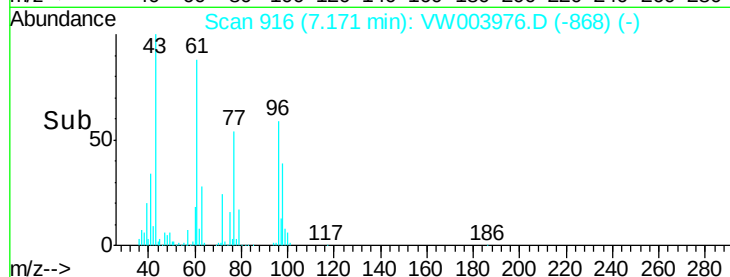
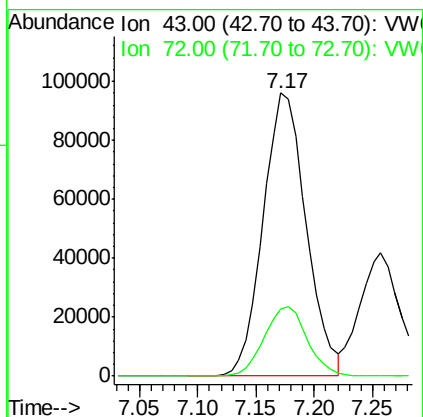
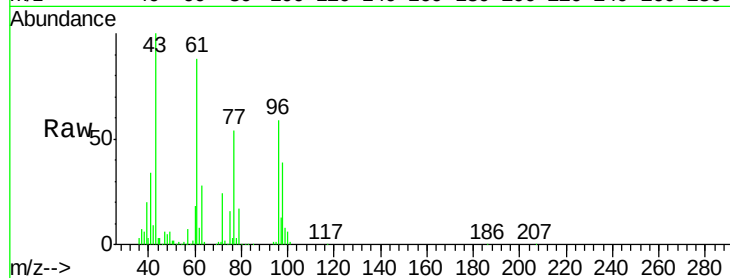
VSTDCCC050

Tot Ion: 43 Resp: 245022

Ion Ratio Lower Upper

43 100

72 23.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 51.89 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003976.D

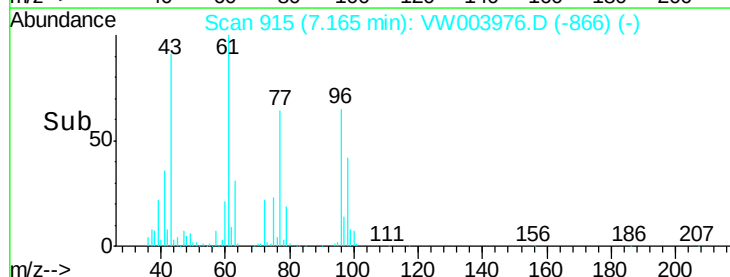
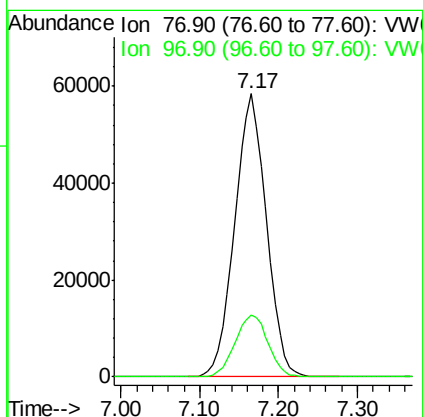
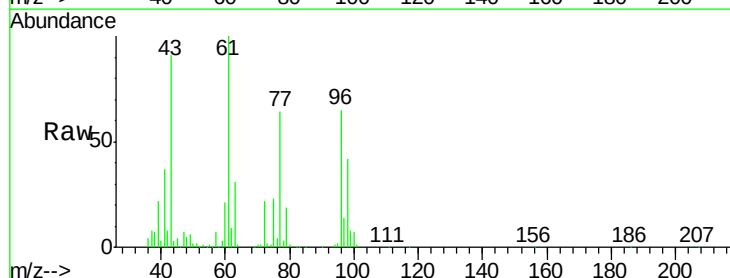
Acq: 17 Jul 2018 11:02

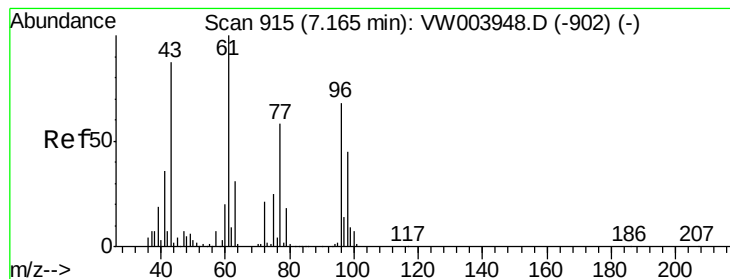
Tgt Ion: 77 Resp: 163082

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.62 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

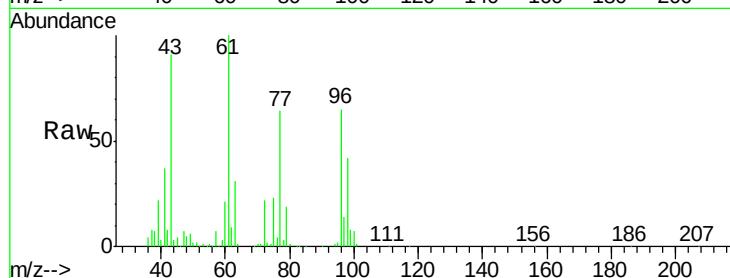
Tot Ion: 96 Resp: 154983

Ion Ratio Lower Upper

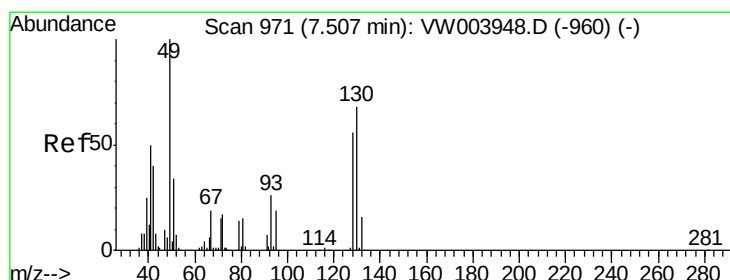
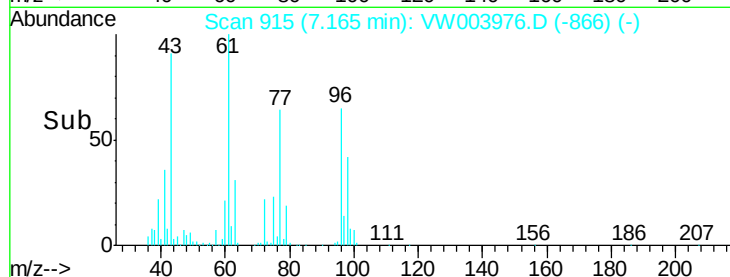
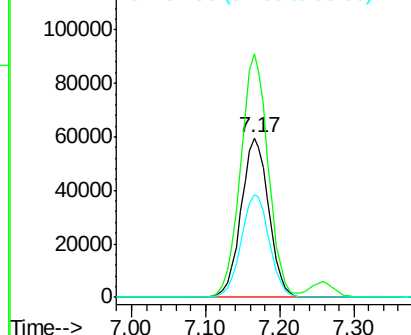
96 100

61 151.9 0.0 298.6

98 65.6 0.0 130.4



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: 47.76 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

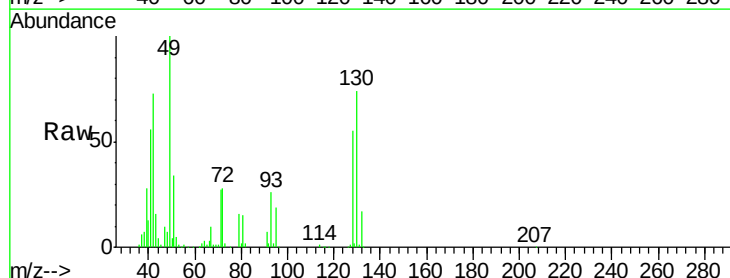
Tgt Ion: 49 Resp: 107015

Ion Ratio Lower Upper

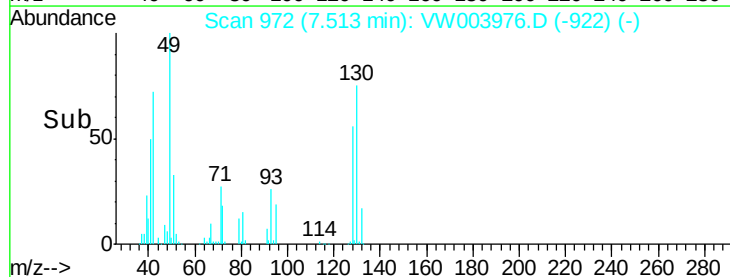
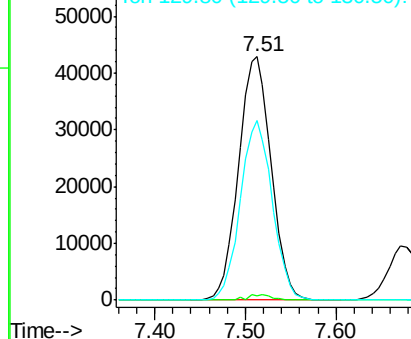
49 100

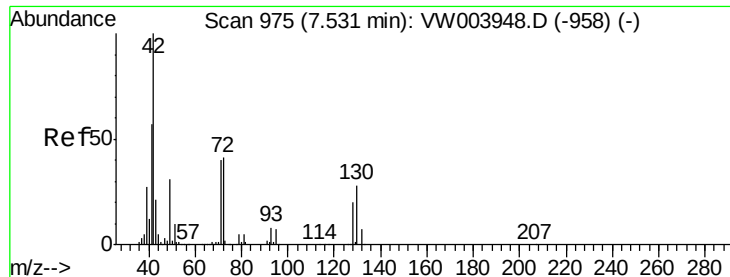
129 1.6 0.0 2.2

130 72.1 58.3 87.5



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

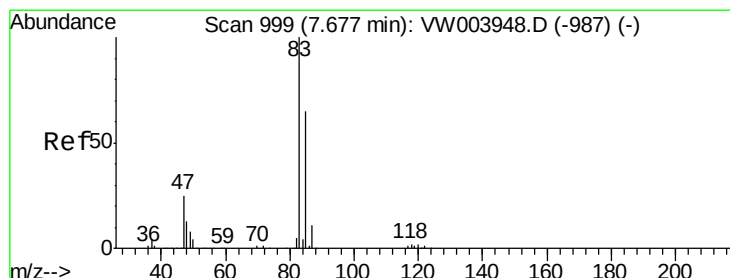
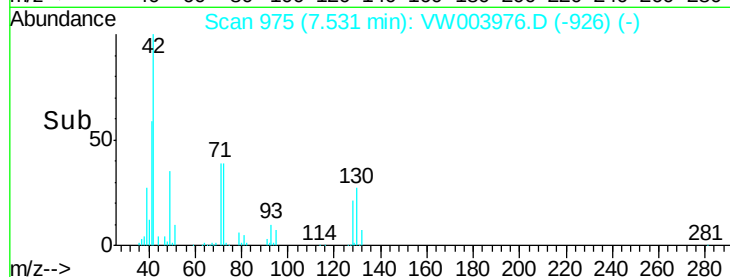
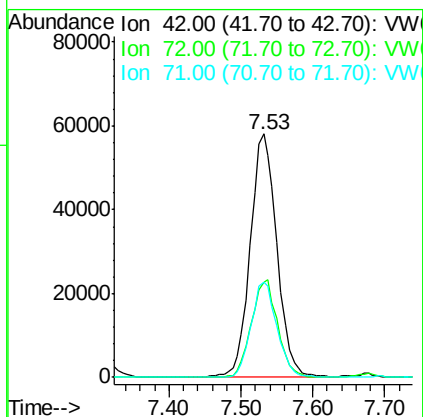
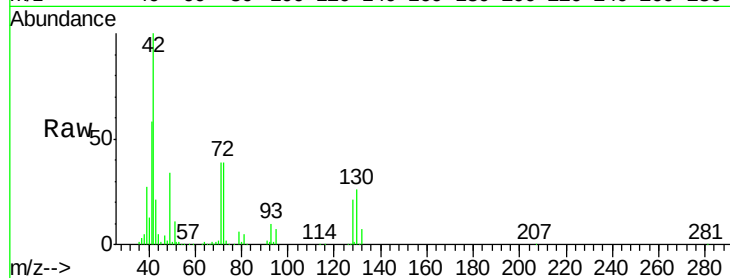




#29
Tetrahydrofuran
Concen: 238.89 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

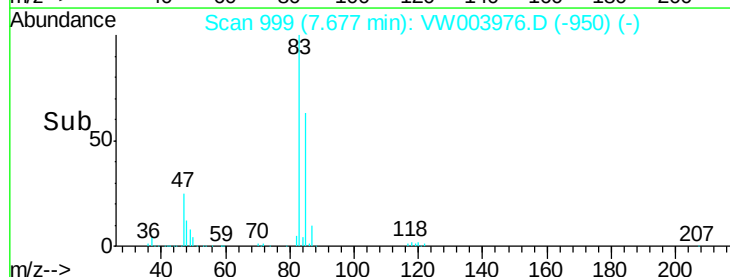
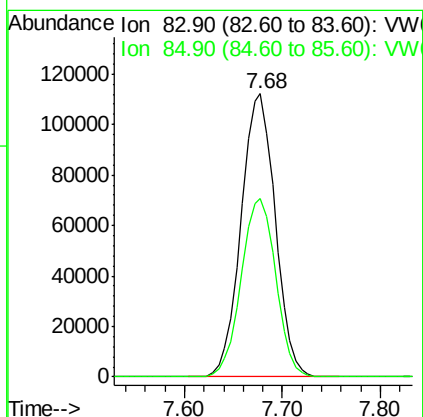
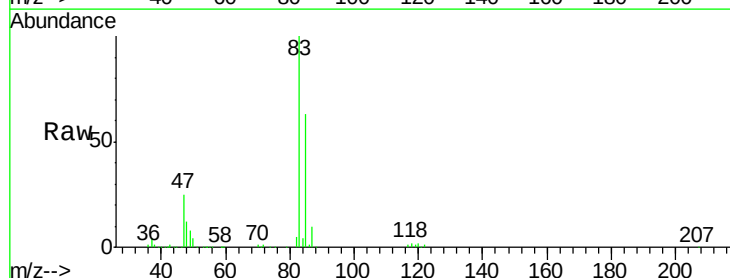
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

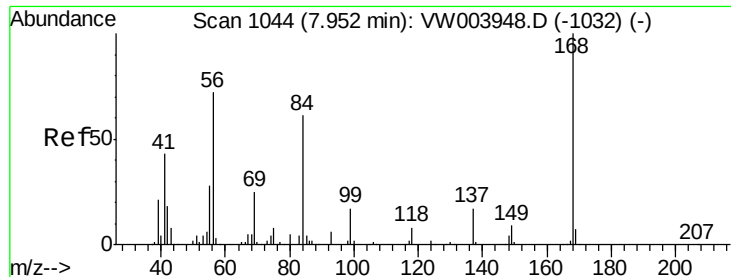
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.6	48.8
71	38.3	30.5	45.7



#30
Chloroform
Concen: 49.96 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.2	78.4

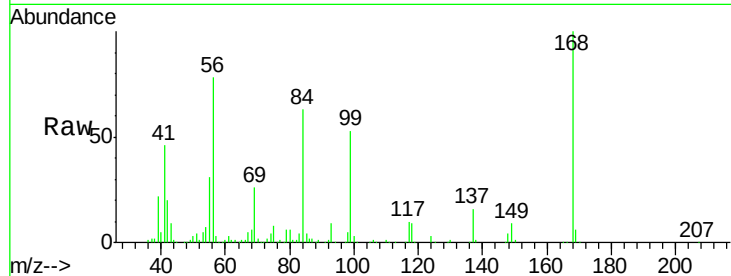




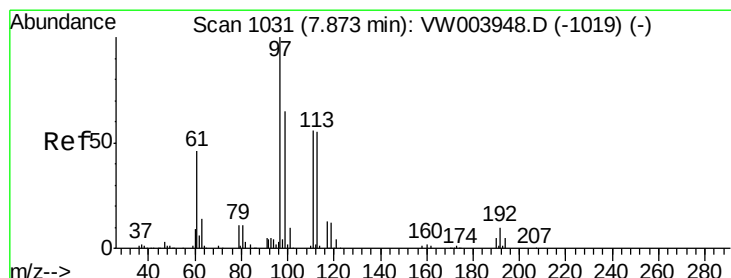
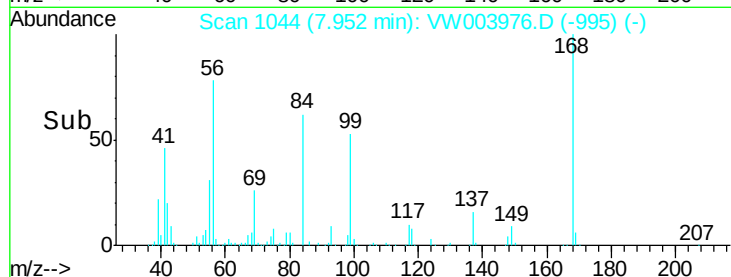
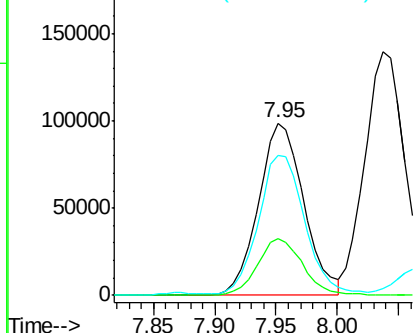
#31
Cyclohexane
Concen: 49.70 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 255104
Ion Ratio Lower Upper
56 100
69 33.0 27.8 41.8
84 80.1 67.2 100.8

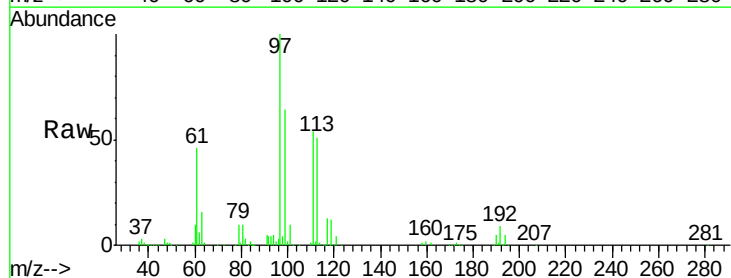


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

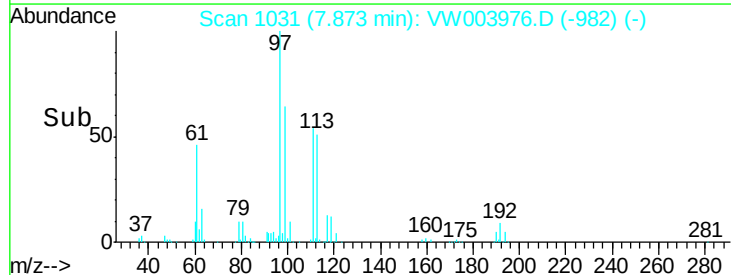
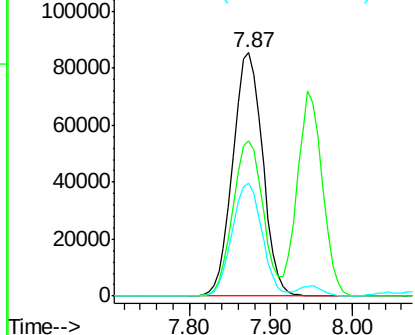


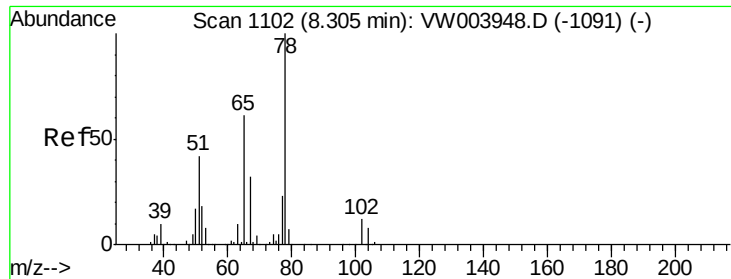
#32
1,1,1-Trichloroethane
Concen: 50.72 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 97 Resp: 215684
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 46.7 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

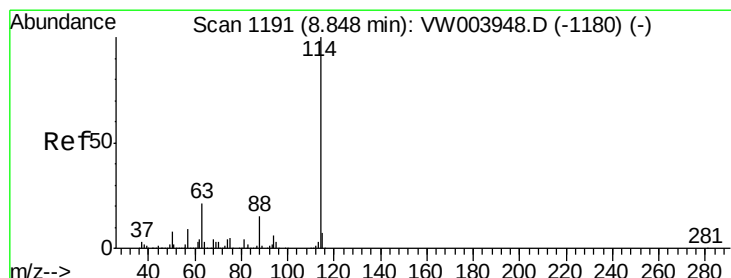
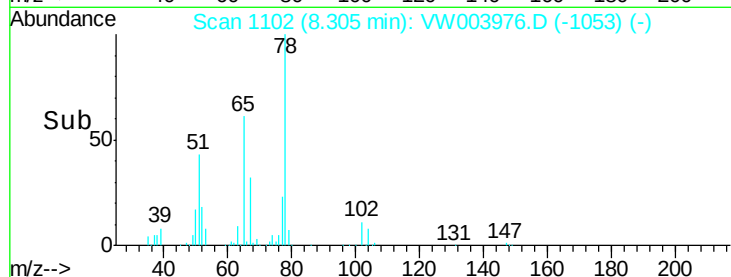
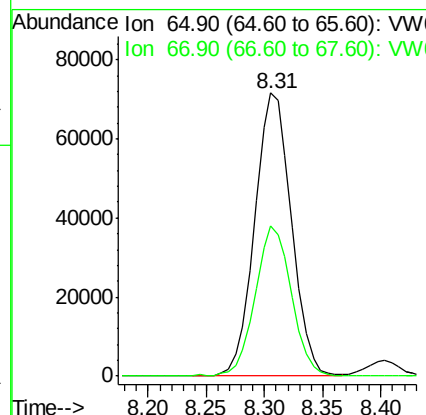
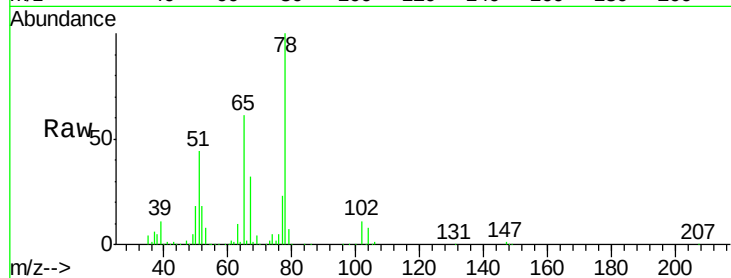




#33
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

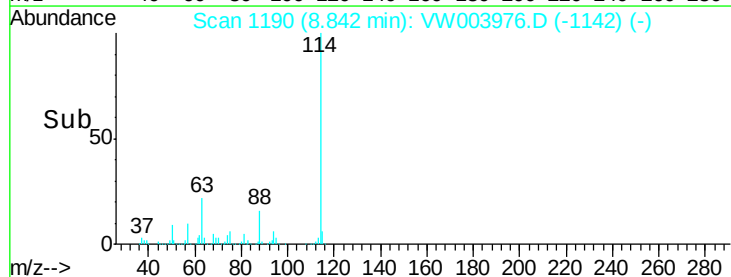
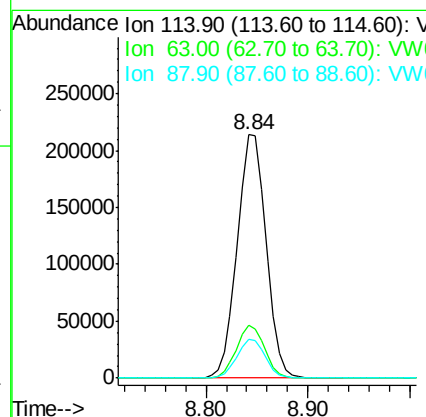
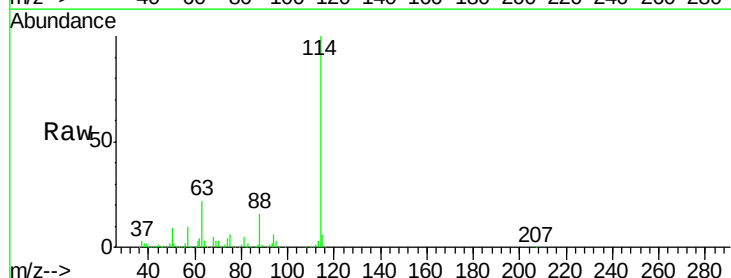
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

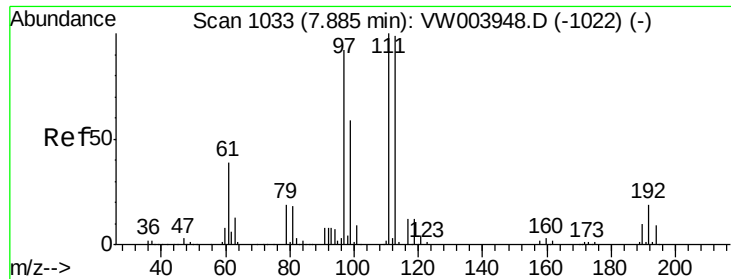
Tot Ion: 65 Resp: 157210
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 114 Resp: 419327
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 15.7 0.0 30.4

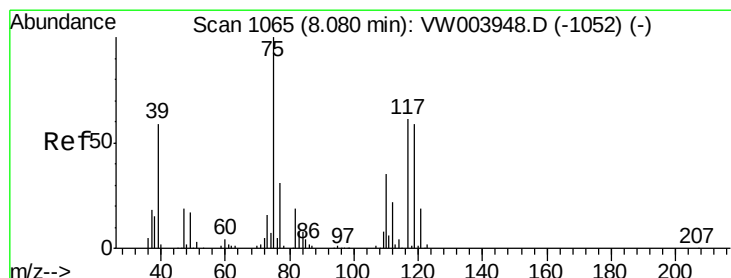
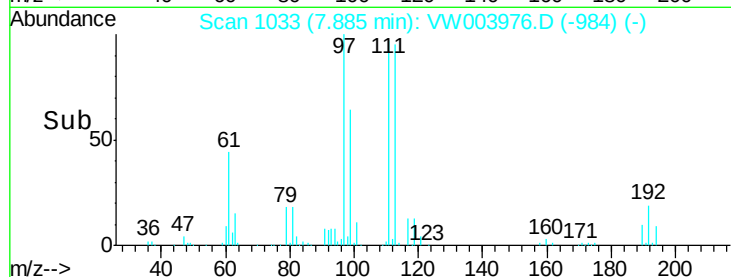
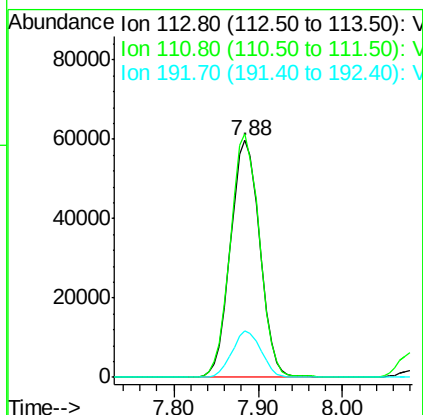
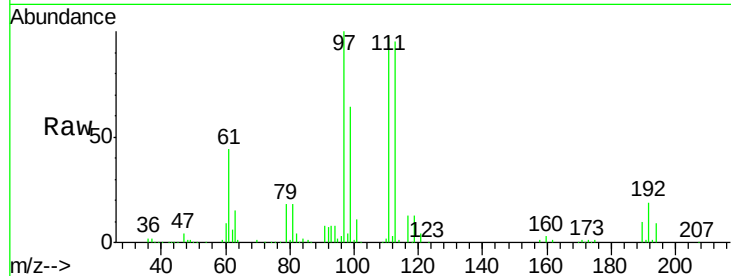




#35
 Dibromofluoromethane
 Concen: 52.28 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

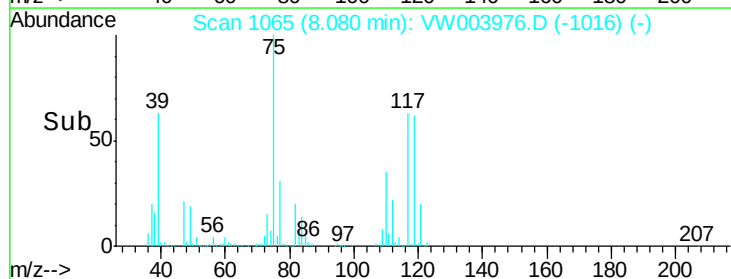
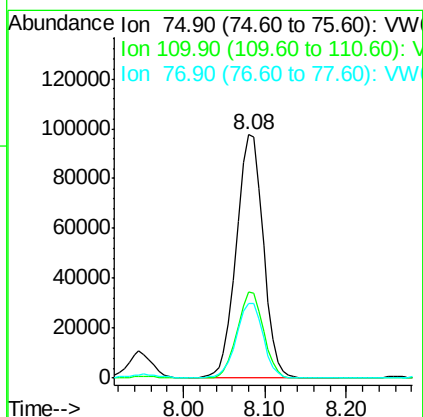
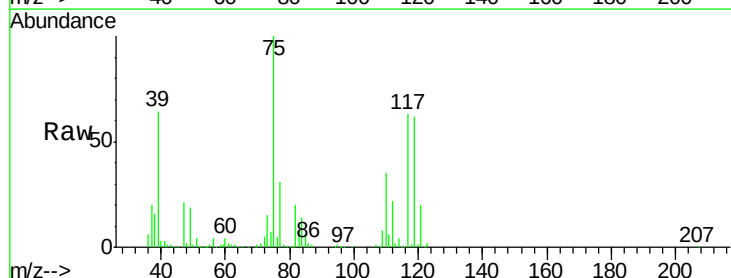
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

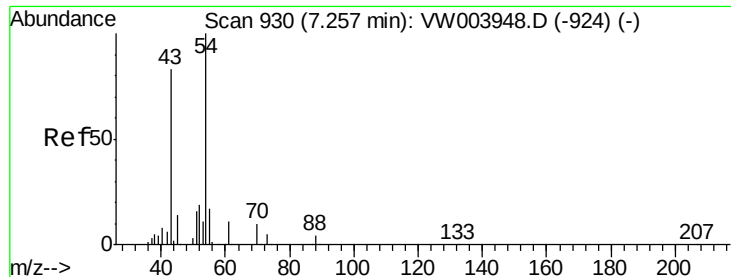
Tot Ion:113 Resp: 140669
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.3 121.9
 192 19.6 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 51.75 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 75 Resp: 223270
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.0 51.0
 77 30.8 24.9 37.3

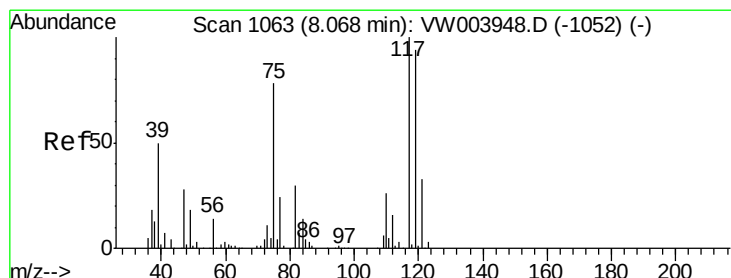
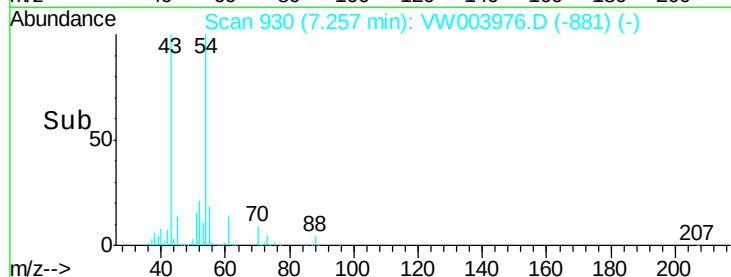
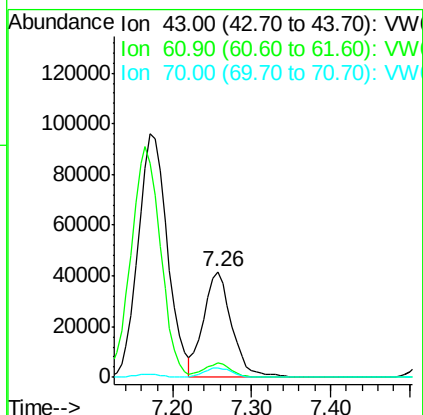
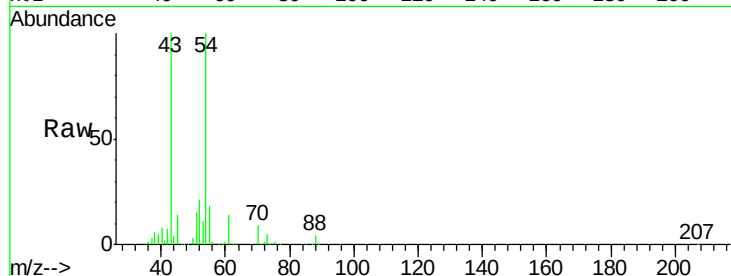




#37
Ethyl Acetate
Concen: 49.53 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

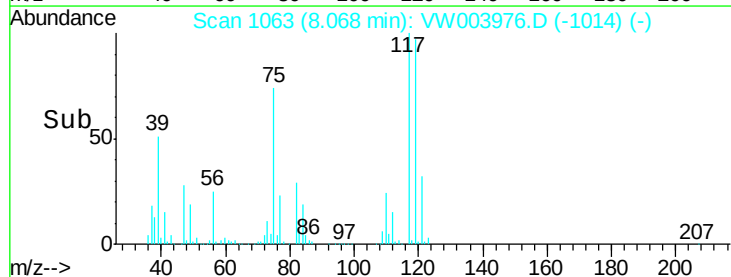
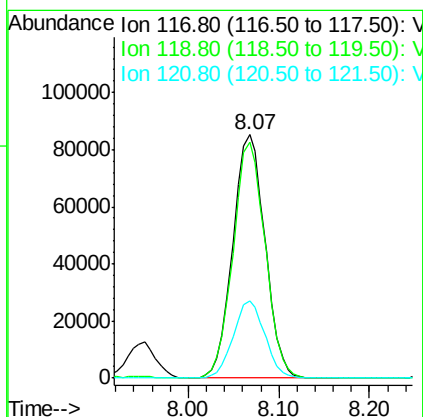
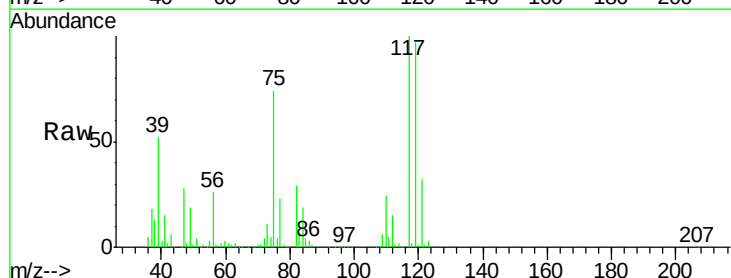
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

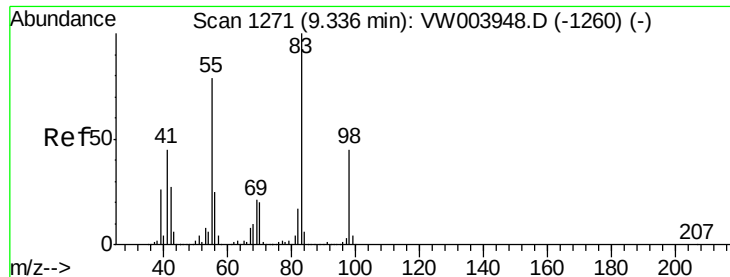
Tot Ion: 43 Resp: 103064
Ion Ratio Lower Upper
43 100
61 12.6 10.7 16.1
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 52.25 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 117 Resp: 210610
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 31.8 26.0 39.0

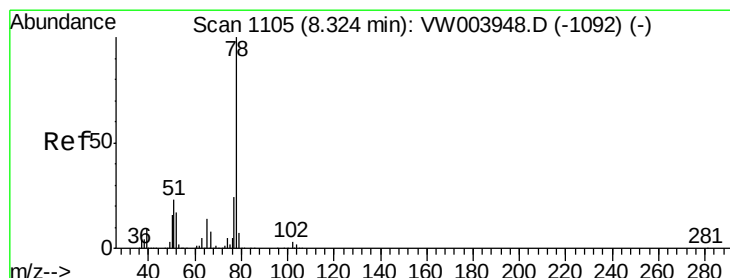
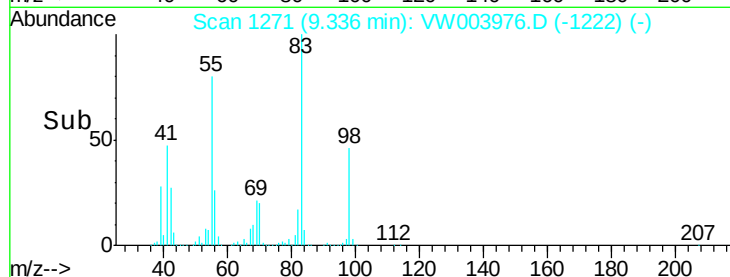
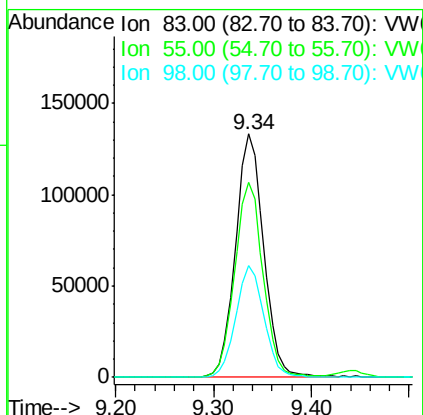
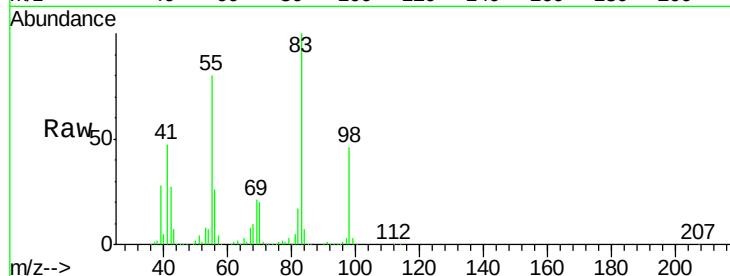




#39
Methylvlcyclohexane
Concen: 52.88 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

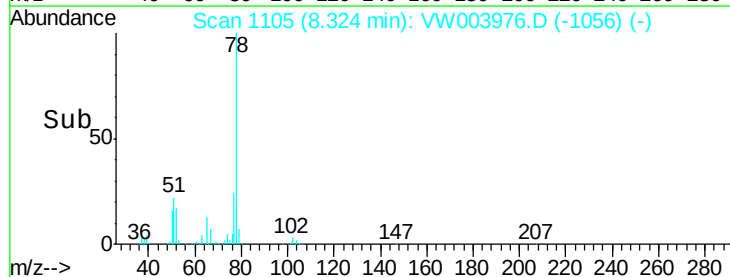
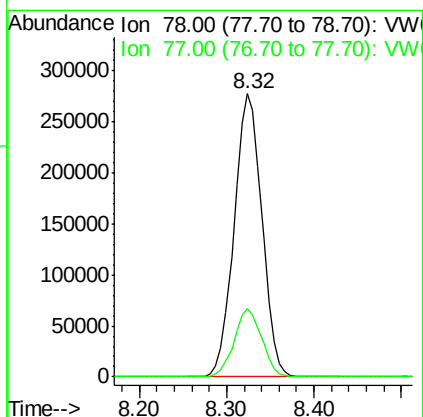
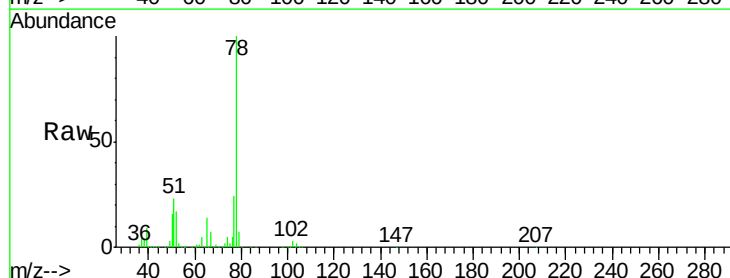
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

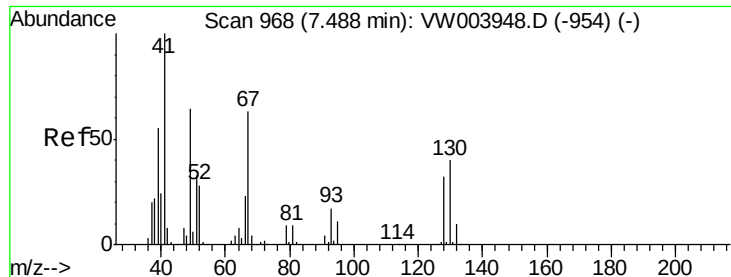
Tot Ion: 83 Resp: 267160
Ion Ratio Lower Upper
83 100
55 80.0 62.8 94.2
98 45.9 36.2 54.4



#40
Benzene
Concen: 51.19 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 78 Resp: 612672
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3





#41

Methacrylonitrile

Concen: 46.53 ug/l

RT: 7.48 min Scan# 967

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 53650

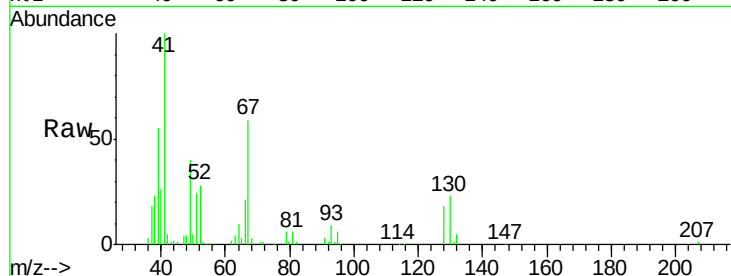
Ion Ratio Lower Upper

41 100

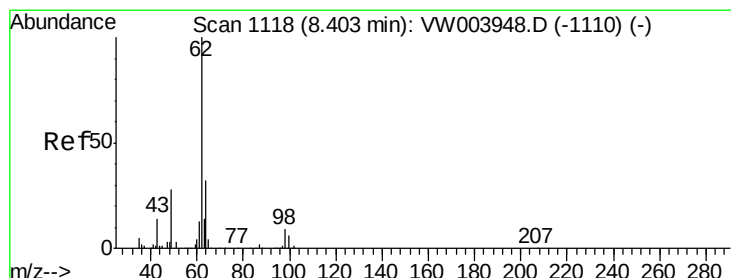
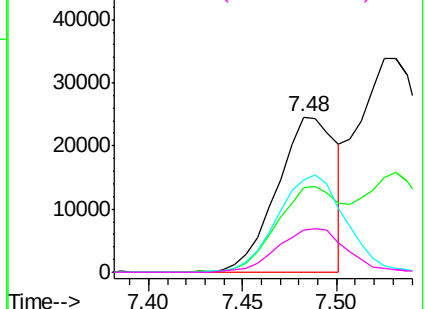
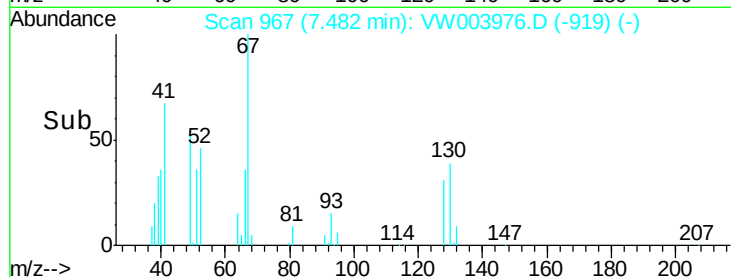
39 63.4 50.0 75.0

67 71.9 60.8 91.2

52 33.4 26.2 39.4



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: 50.10 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003976.D

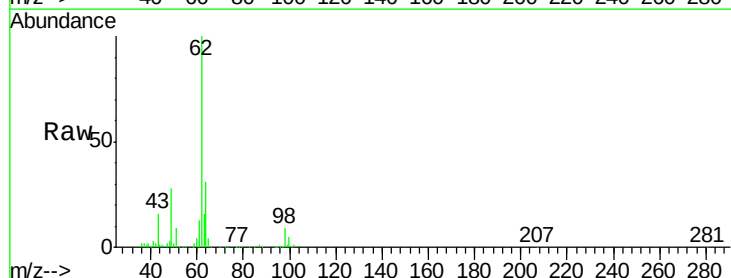
Acq: 17 Jul 2018 11:02

Tgt Ion: 62 Resp: 182956

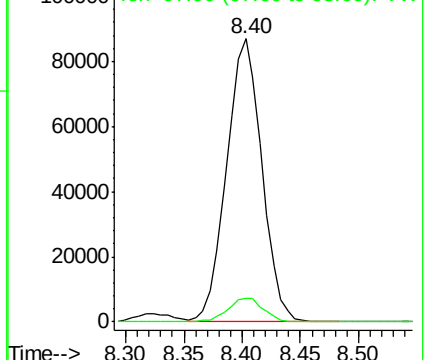
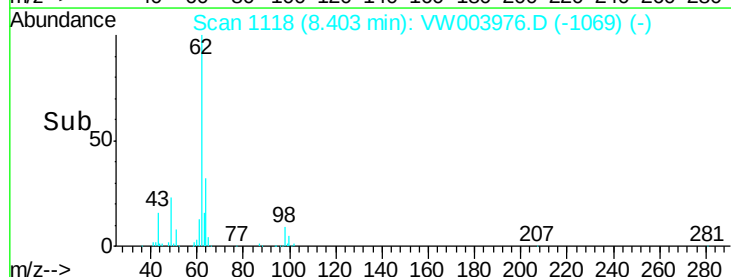
Ion Ratio Lower Upper

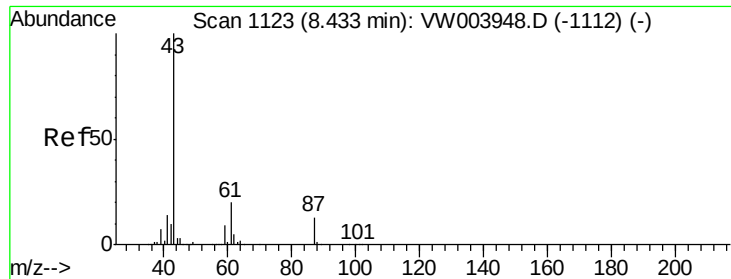
62 100

98 8.5 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 48.55 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

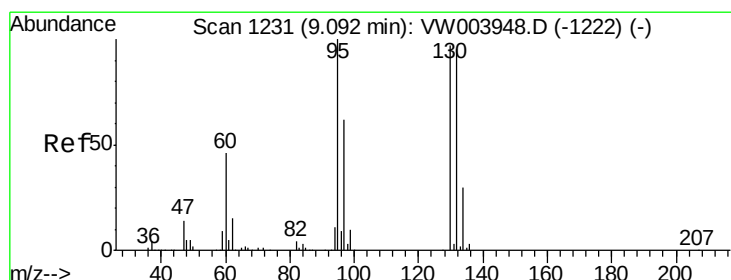
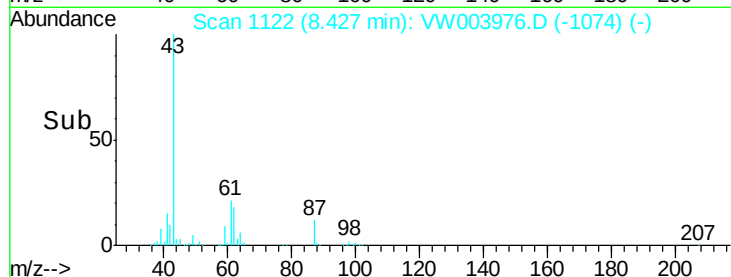
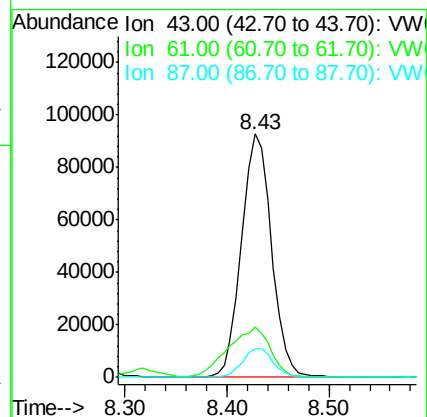
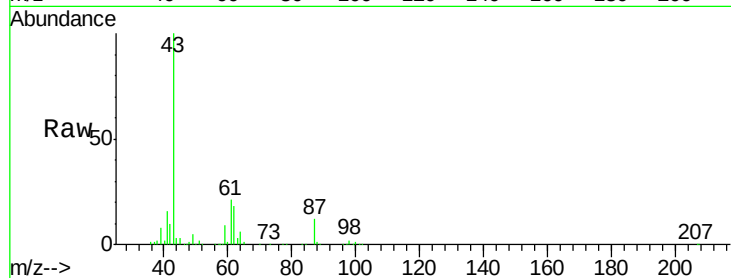
Tot Ion: 43 Resp: 188969

Ion Ratio Lower Upper

43 100

61 29.2 23.0 34.6

87 12.1 9.9 14.9



#44

Trichloroethene

Concen: 50.41 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003976.D

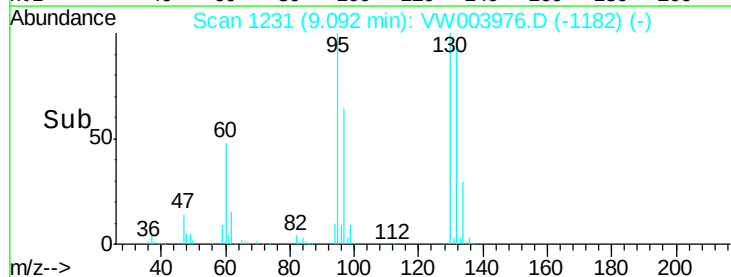
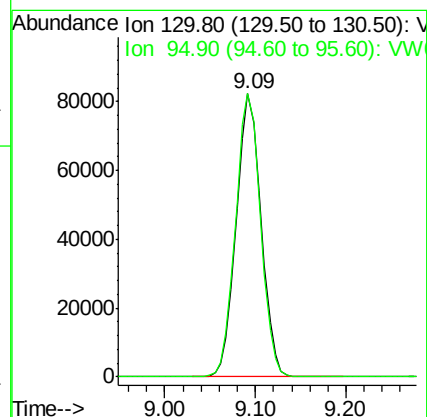
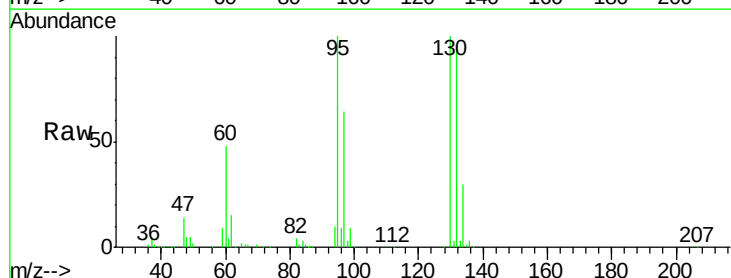
Acq: 17 Jul 2018 11:02

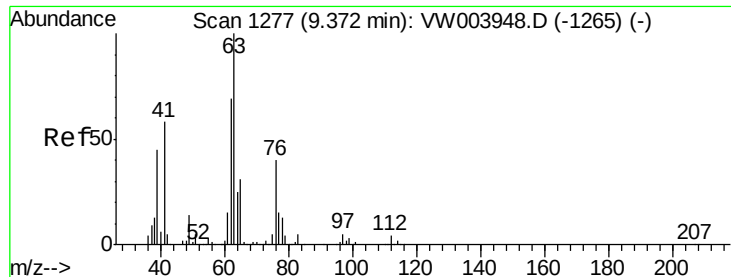
Tgt Ion: 130 Resp: 156396

Ion Ratio Lower Upper

130 100

95 99.9 0.0 206.8

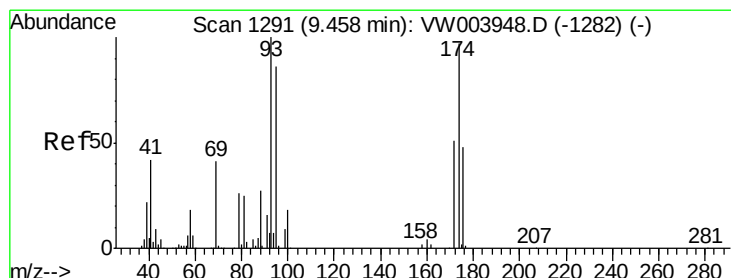
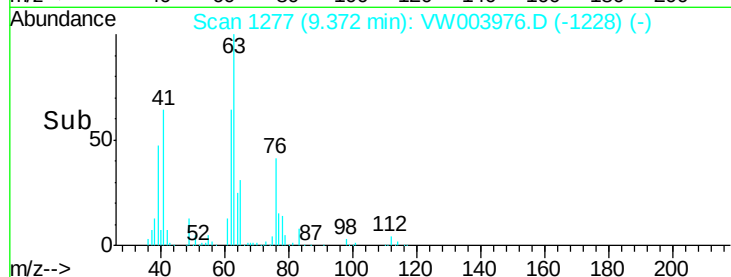
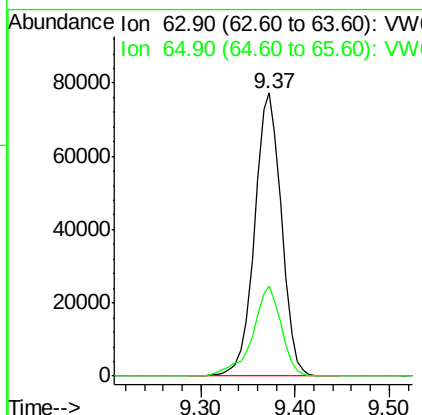
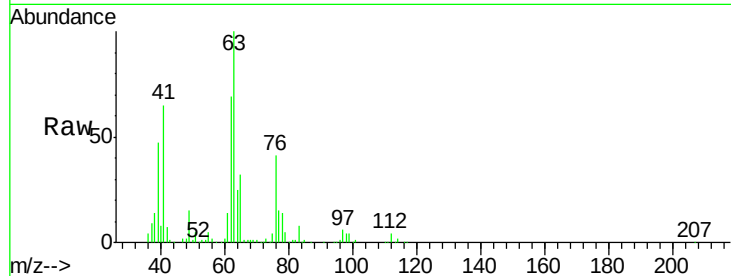




#45
 1,2-Dichloropropane
 Concen: 50.70 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

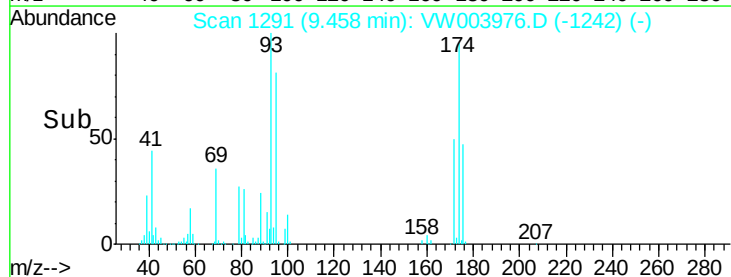
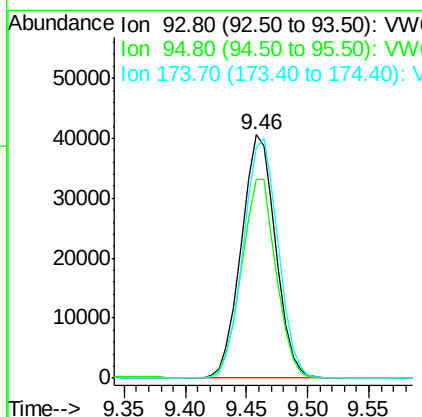
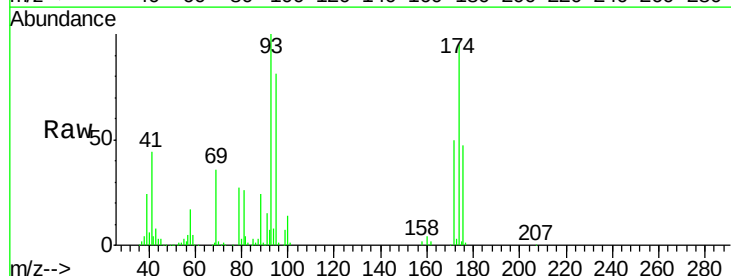
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

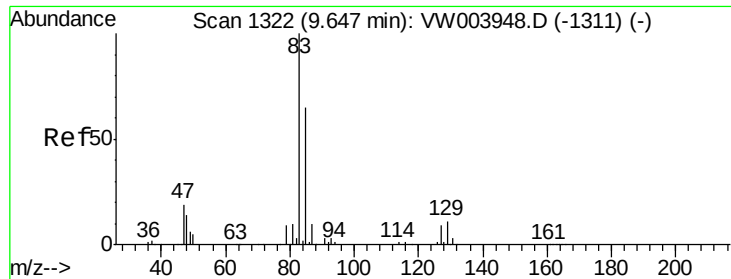
Tot Ion: 63 Resp: 154899
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 49.92 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 93 Resp: 79142
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.9 100.3
 174 100.1 80.2 120.2

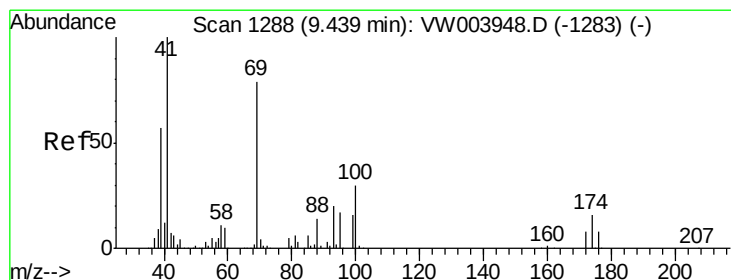
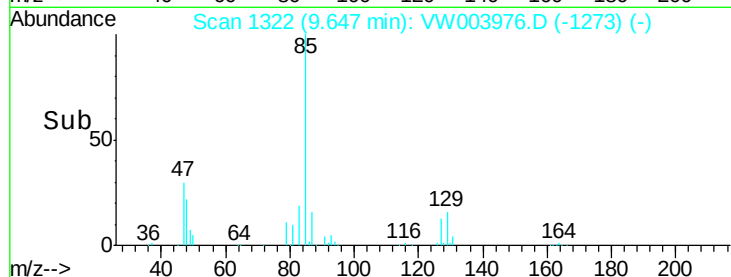
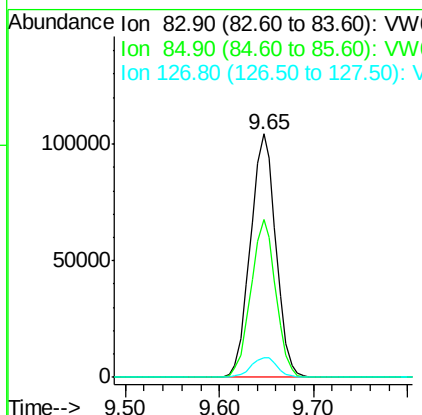
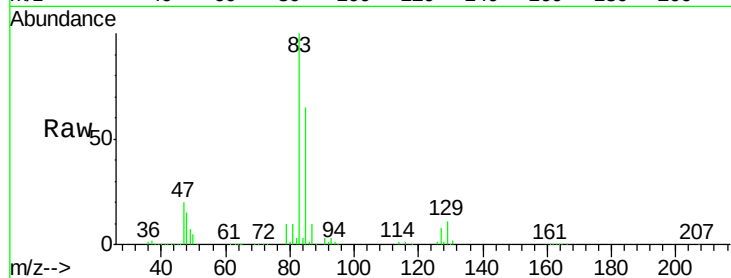




#47
 Bromodichloromethane
 Concen: 50.76 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

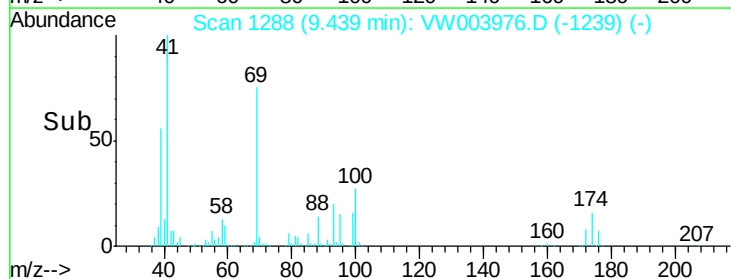
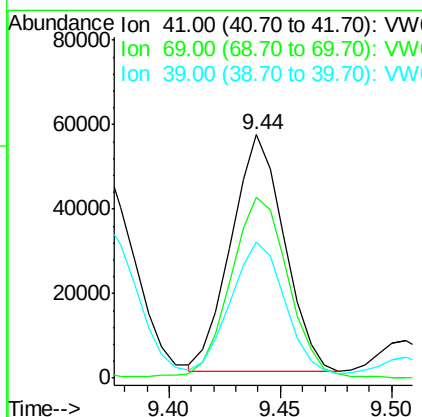
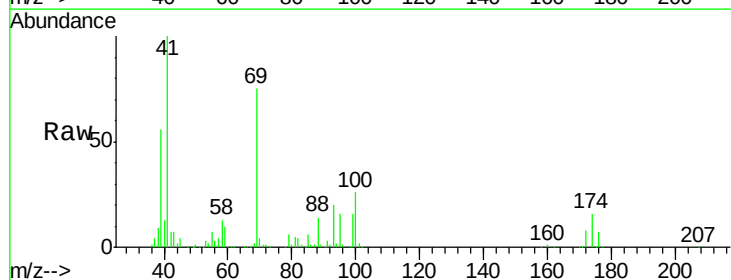
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

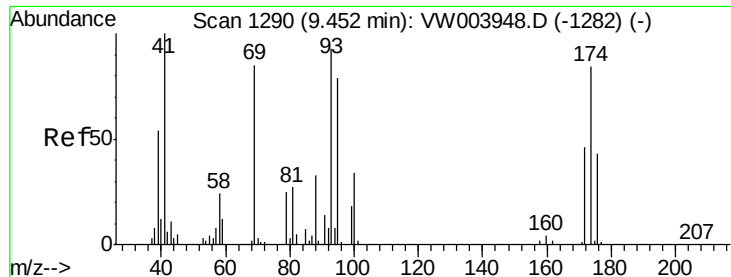
Tot Ion: 83 Resp: 198376
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.2 78.2
 127 8.2 7.0 10.4



#48
 Methyl methacrylate
 Concen: 49.43 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 41 Resp: 93035
 Ion Ratio Lower Upper
 41 100
 69 83.9 67.0 100.6
 39 60.5 48.8 73.2

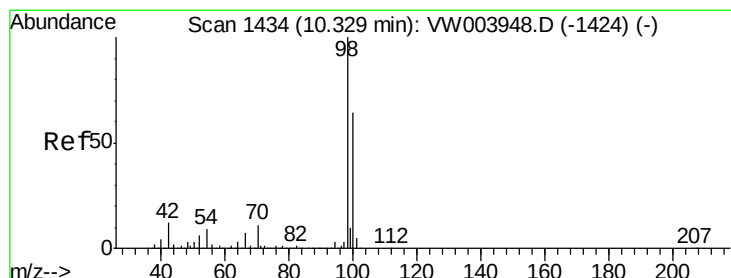
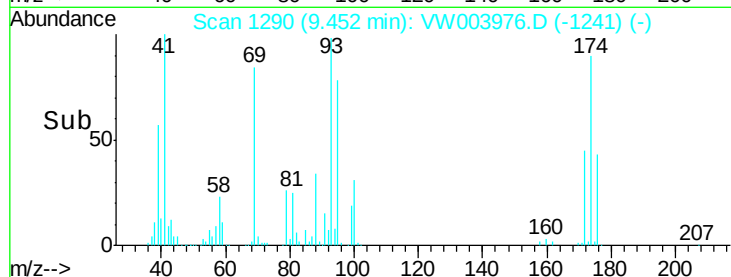
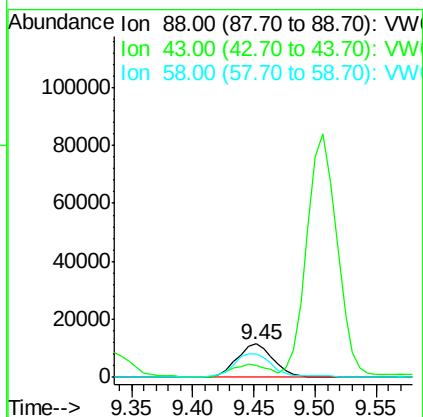
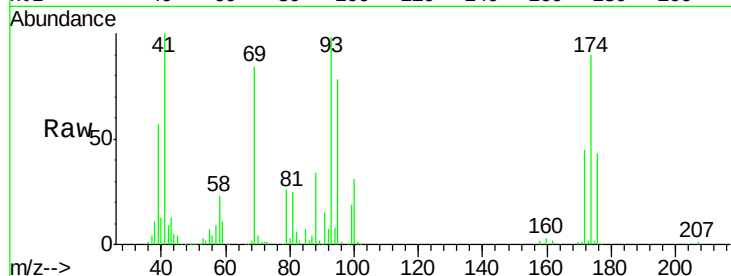




#49
1,4-Dioxane
Concen: 987.34 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

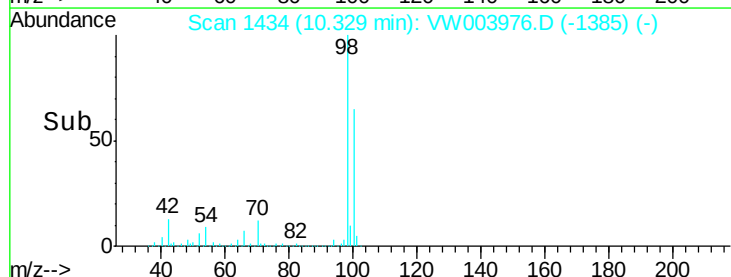
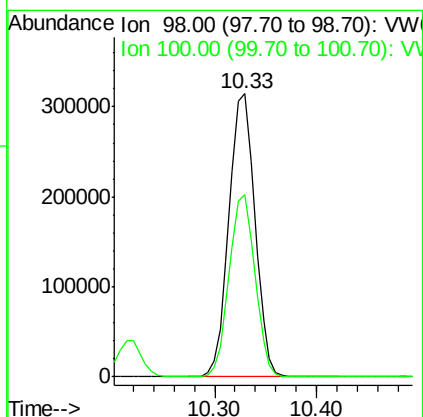
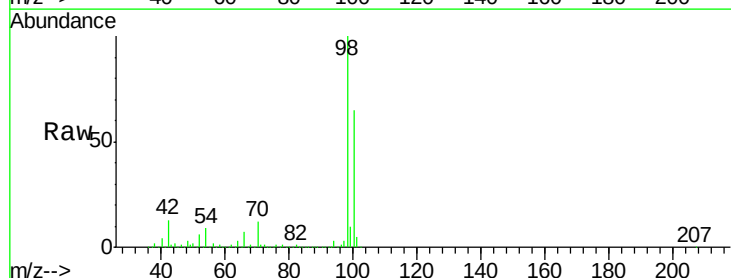
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

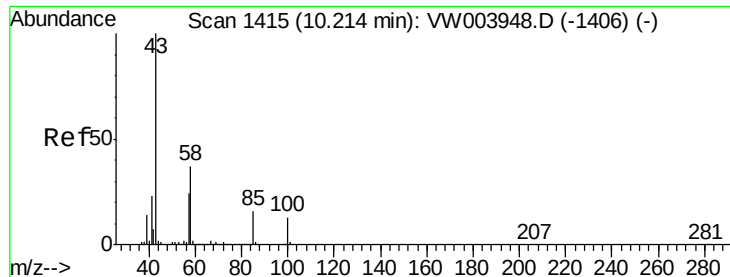
Tot Ion: 88 Resp: 24059
Ion Ratio Lower Upper
88 100
43 37.8 27.3 40.9
58 73.5 61.1 91.7



#50
Toluene-d8
Concen: 53.20 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 98 Resp: 555358
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 246.21 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

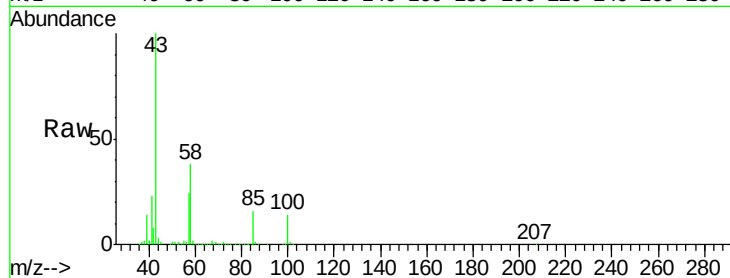
VSTDCCC050

Tot Ion: 43 Resp: 510537

Ion Ratio Lower Upper

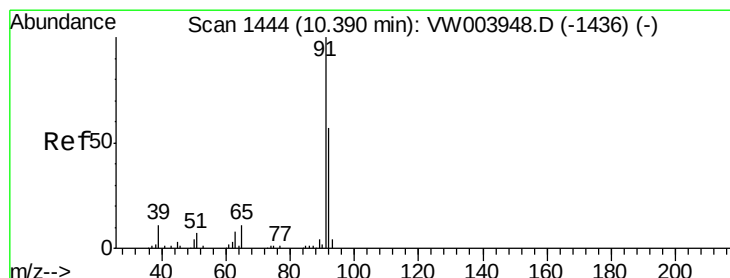
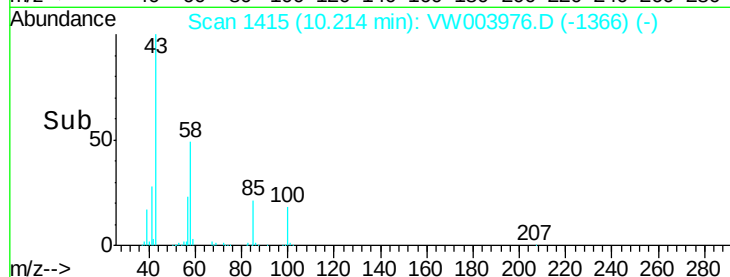
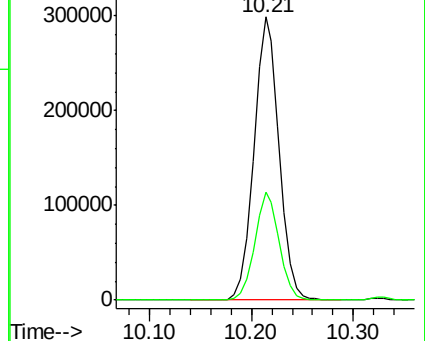
43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.53 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003976.D

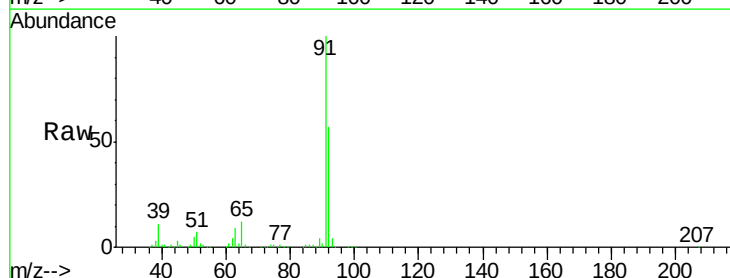
Acq: 17 Jul 2018 11:02

Tgt Ion: 92 Resp: 381415

Ion Ratio Lower Upper

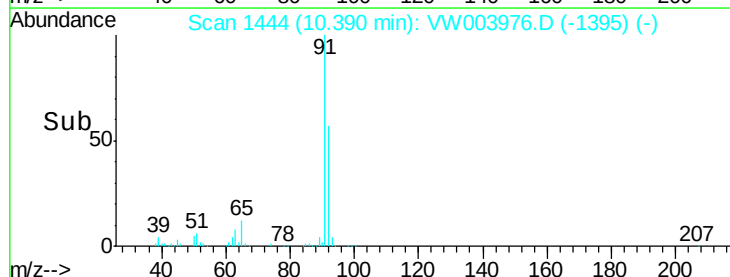
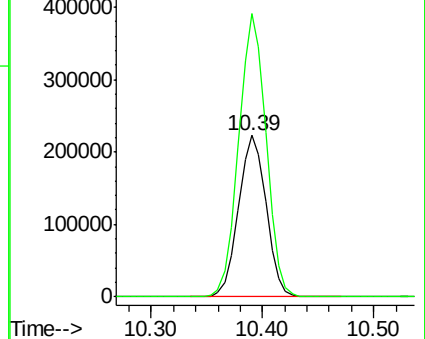
92 100

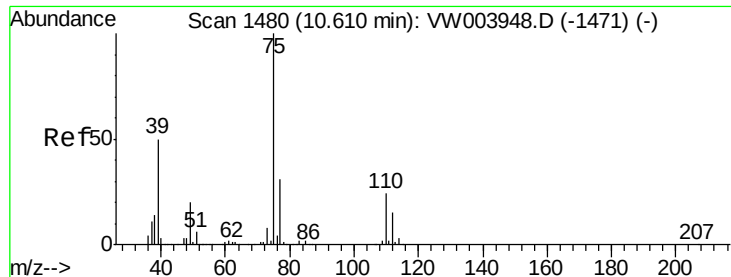
91 174.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

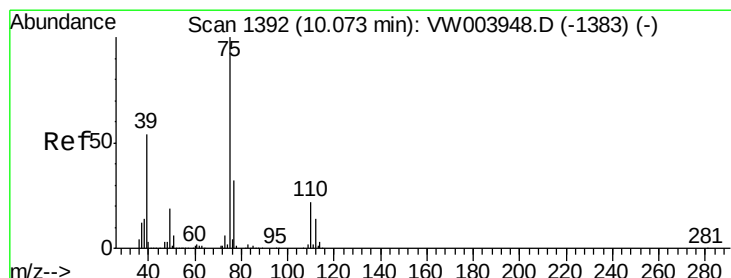
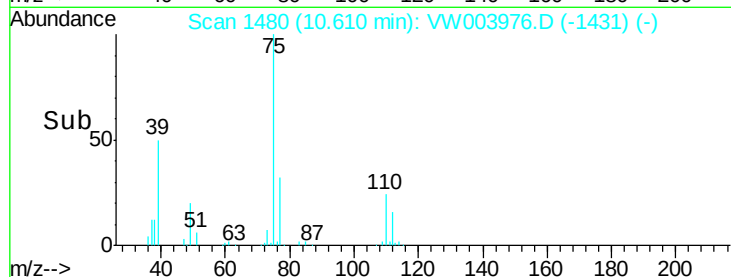
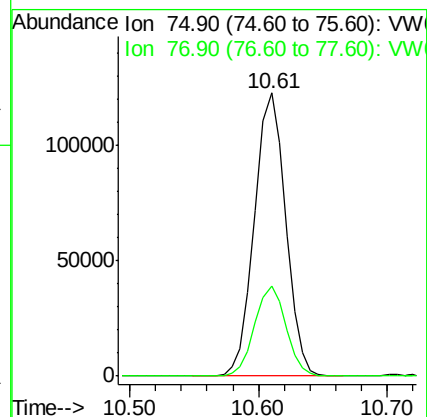
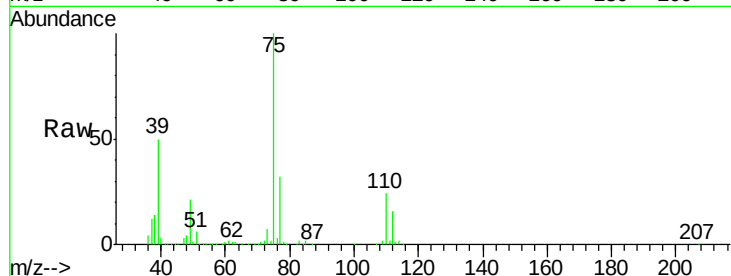
VSTDCCC050

Tot Ion: 75 Resp: 205102

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.63 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

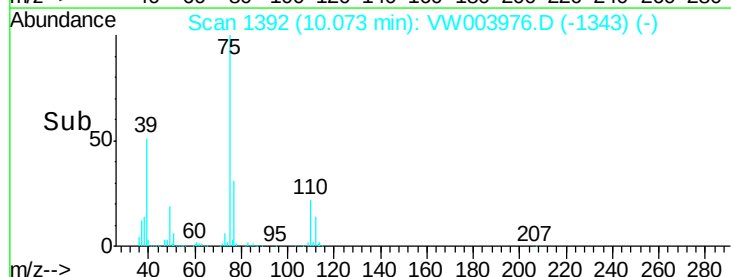
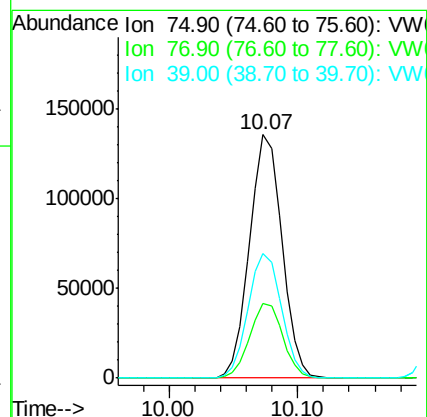
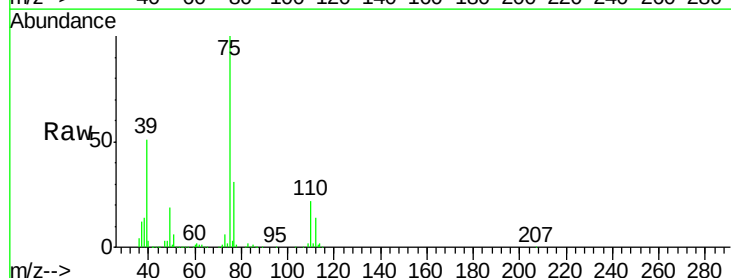
Tgt Ion: 75 Resp: 236694

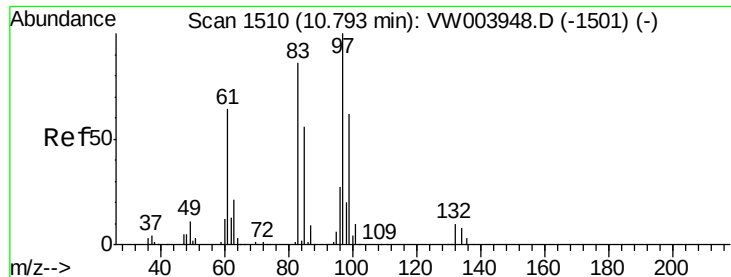
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2

39 51.1 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 49.11 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 109485

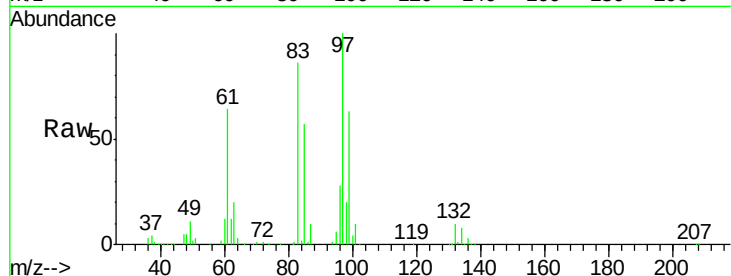
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.0	103.4
85	57.4	45.0	67.6
99	63.3	49.9	74.9

97 100

83 85.8 69.0 103.4

85 57.4 45.0 67.6

99 63.3 49.9 74.9



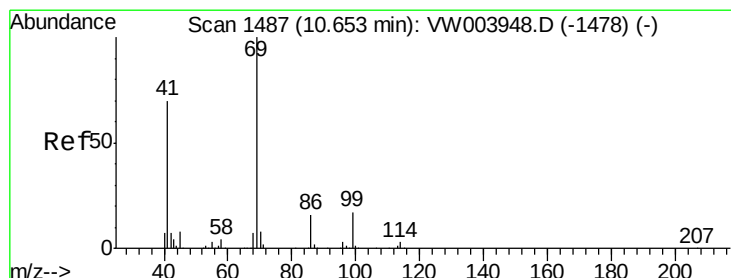
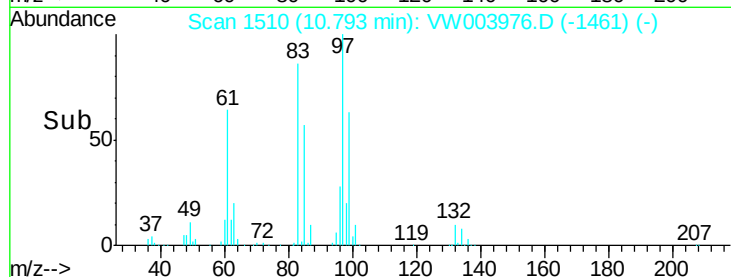
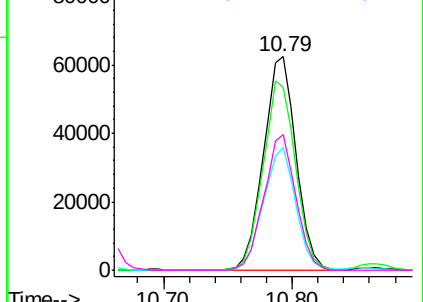
Abundance

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: 45.53 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

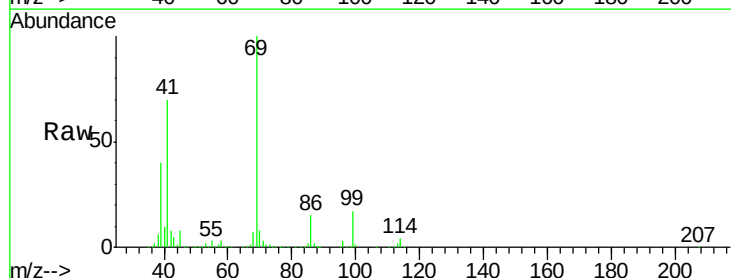
Tgt Ion: 69 Resp: 144310

Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.5	84.7
39	35.1	30.2	45.4

69 100

41 72.3 56.5 84.7

39 35.1 30.2 45.4

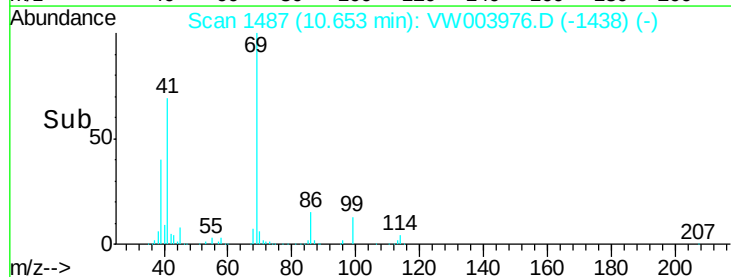
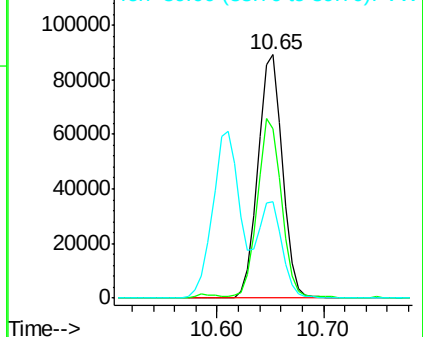


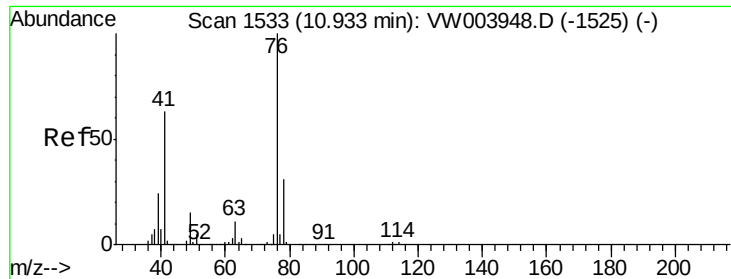
Abundance

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

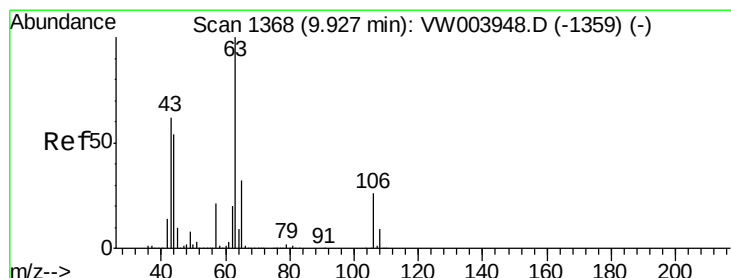
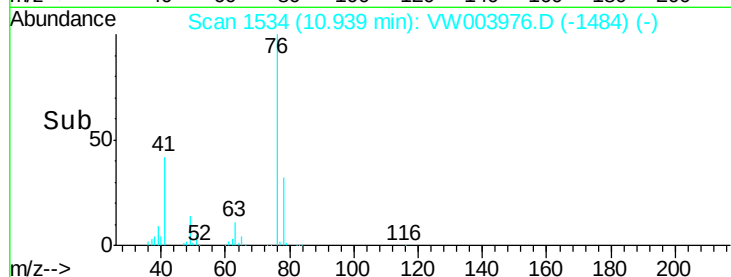
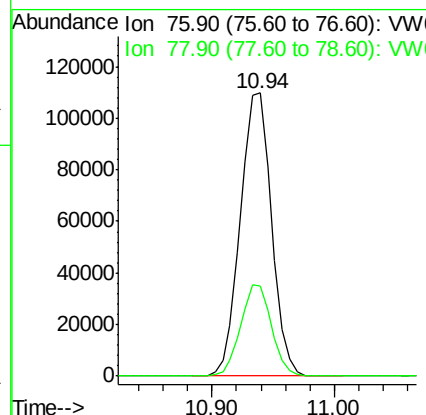
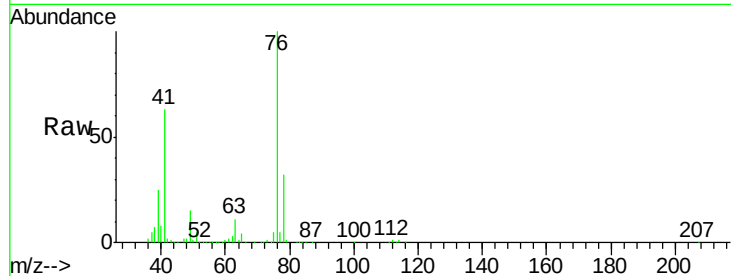




#57
 1,3-Dichloropropane
 Concen: 50.08 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

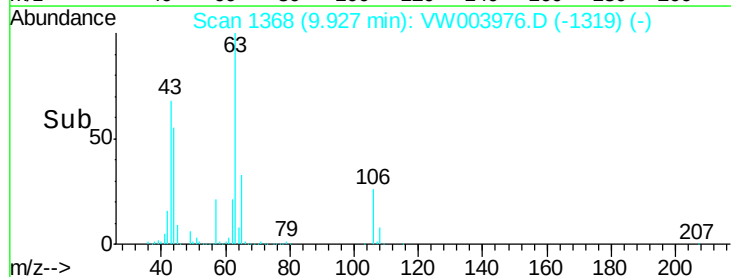
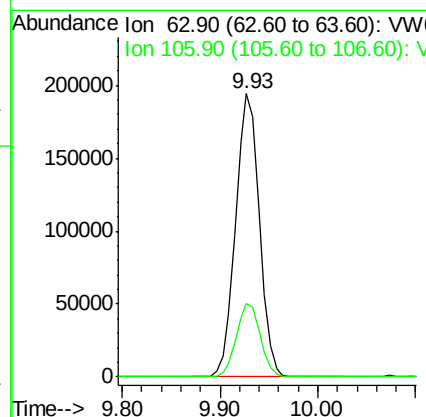
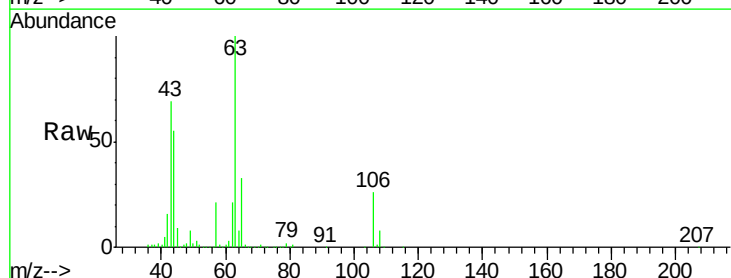
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

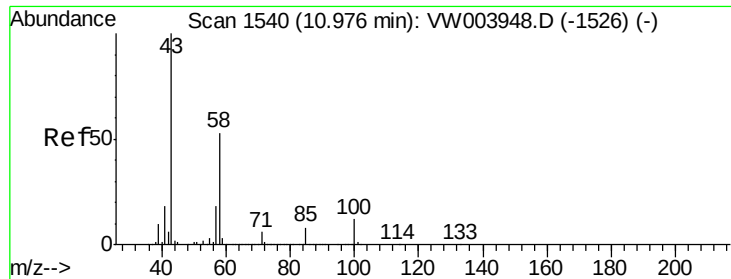
Tot Ion: 76 Resp: 193974
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.53 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 63 Resp: 327392
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.2 31.8

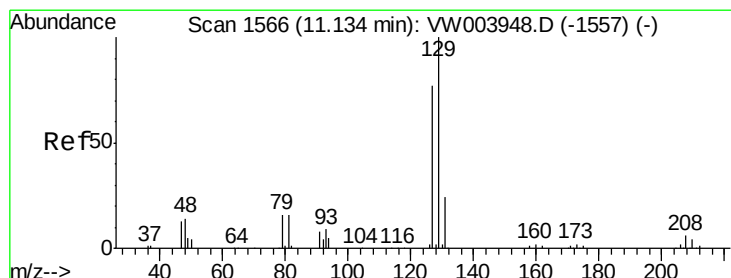
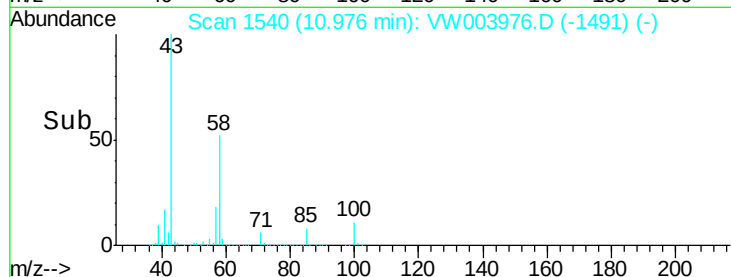
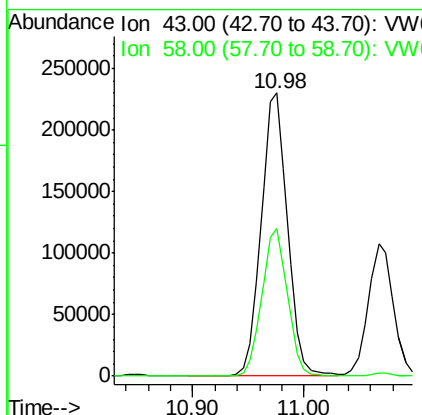
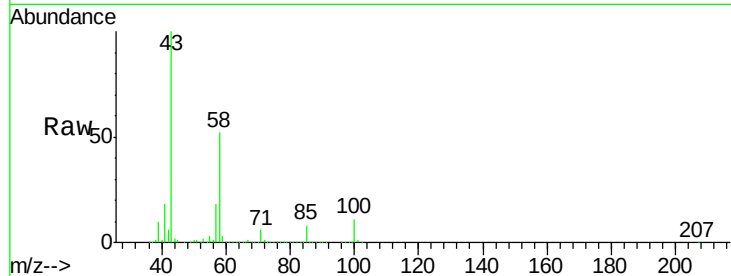




#59
2-Hexanone
Concen: 259.77 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

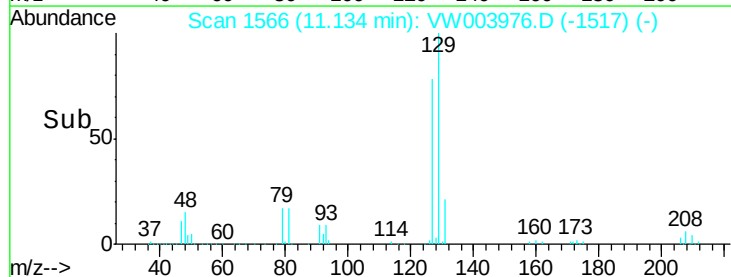
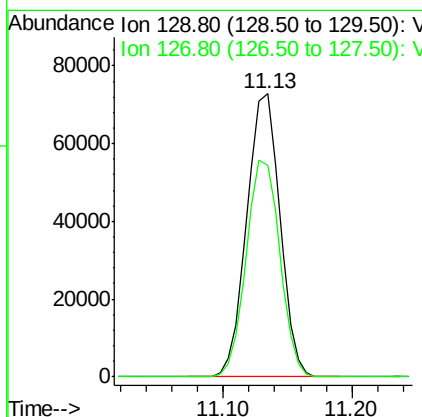
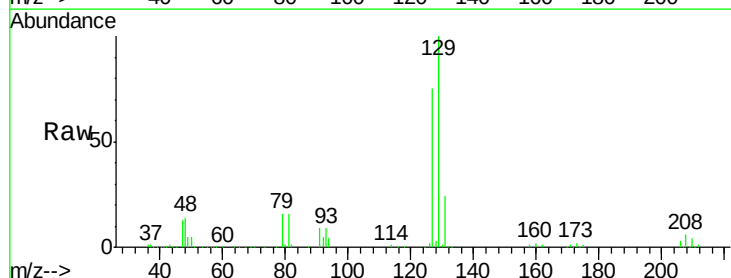
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

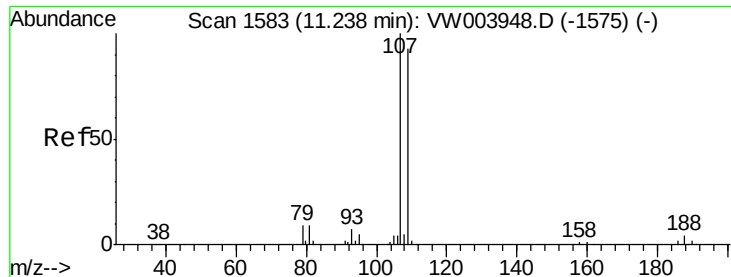
Tot Ion: 43 Resp: 379640
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0



#60
Dibromochloromethane
Concen: 49.98 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 129 Resp: 129758
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 49.98 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

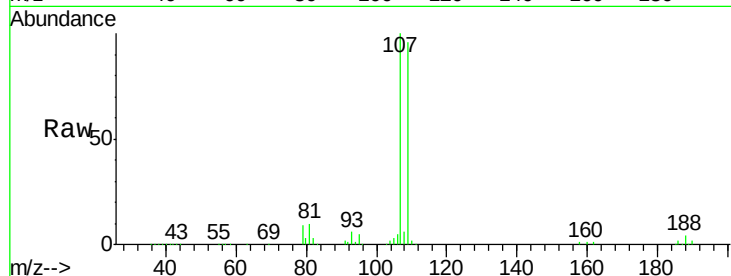
VSTDCCC050

Tot Ion:107 Resp: 106035

Ion Ratio Lower Upper

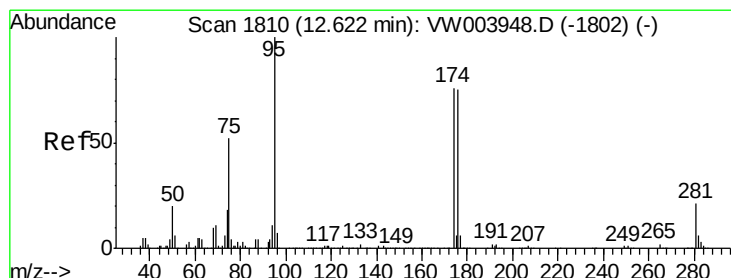
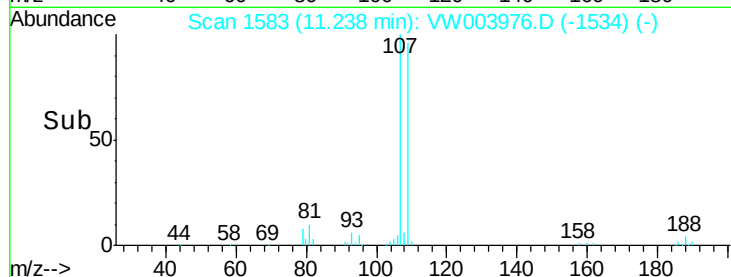
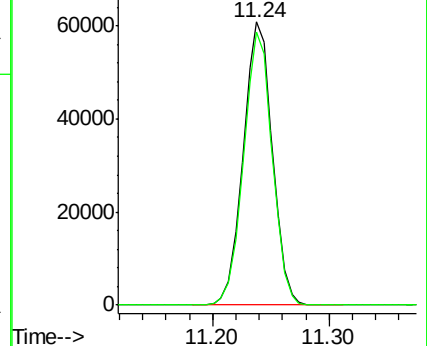
107 100

109 94.8 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.95 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

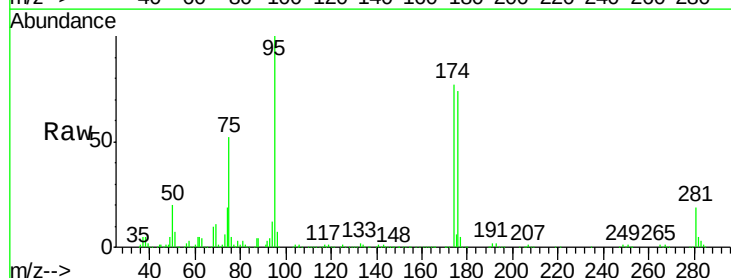
Tgt Ion: 95 Resp: 195565

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.2

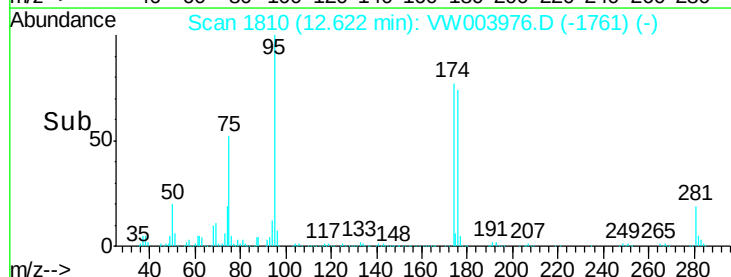
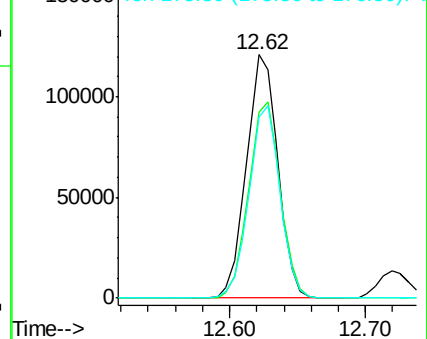
176 78.0 0.0 155.8

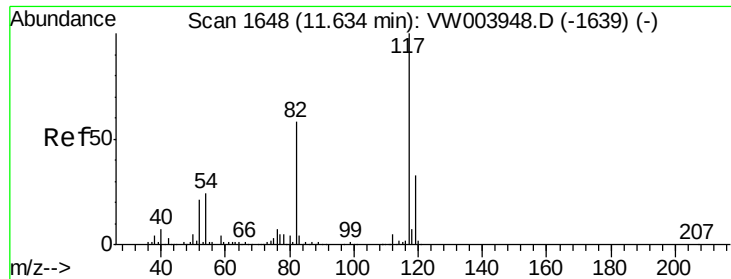


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

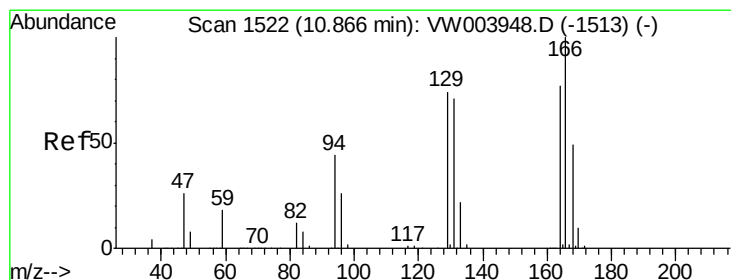
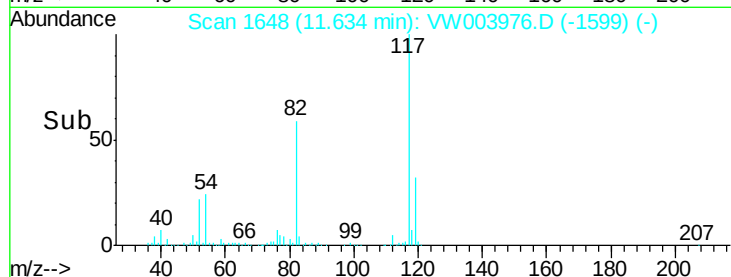
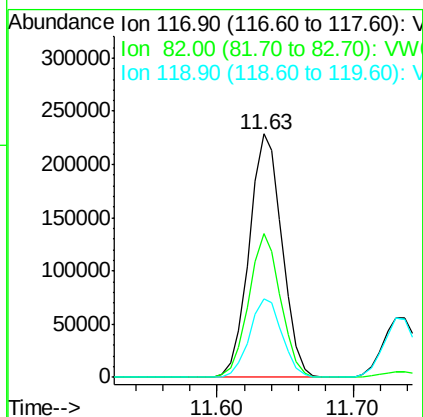
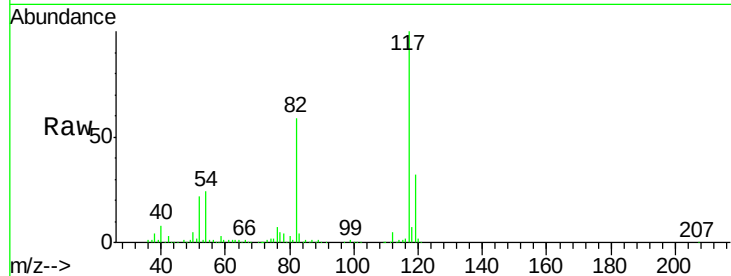




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

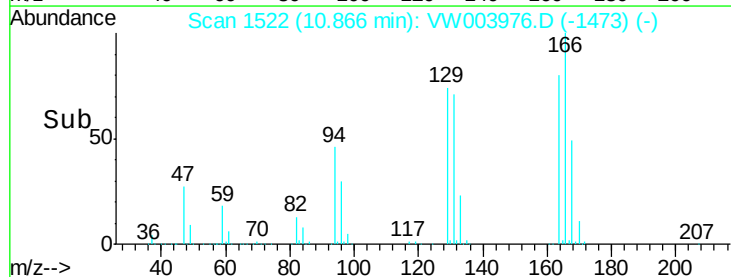
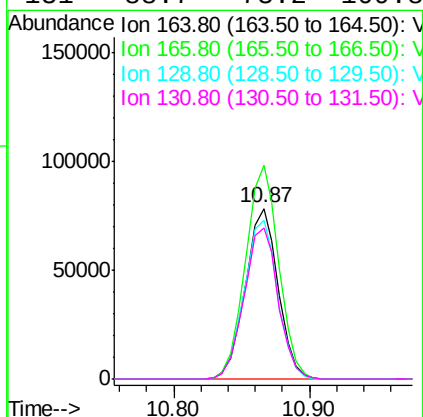
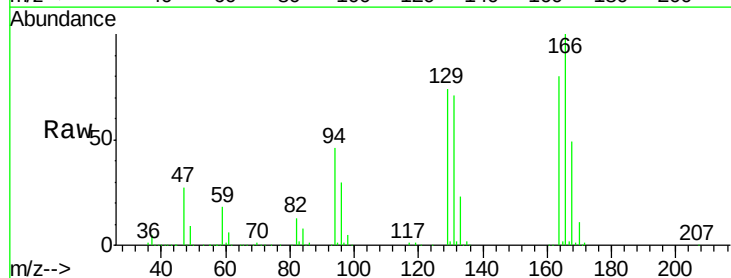
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

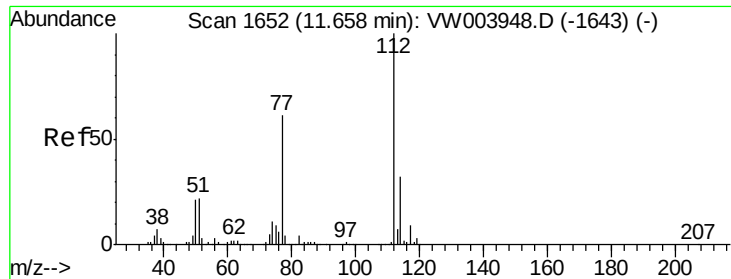
Tot Ion:117 Resp: 385910
Ion Ratio Lower Upper
117 100
82 59.1 46.5 69.7
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 49.94 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion:164 Resp: 132224
Ion Ratio Lower Upper
164 100
166 125.4 103.5 155.3
129 93.3 76.8 115.2
131 88.7 73.2 109.8

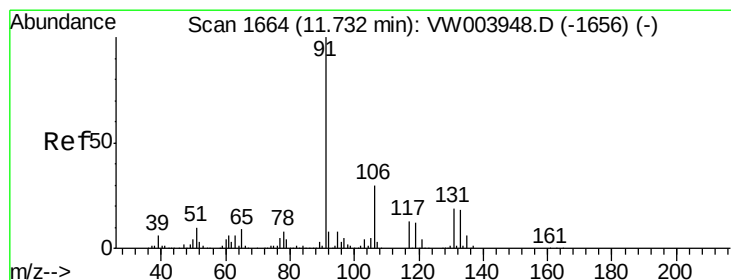
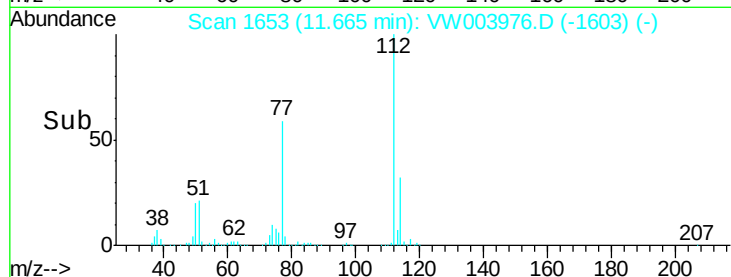
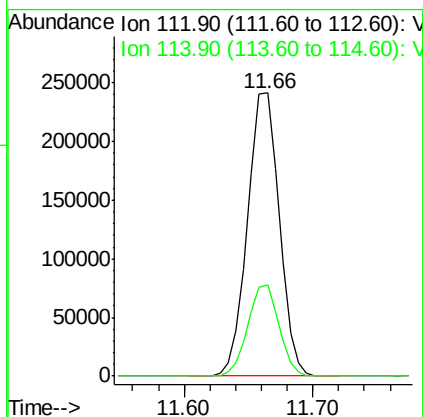
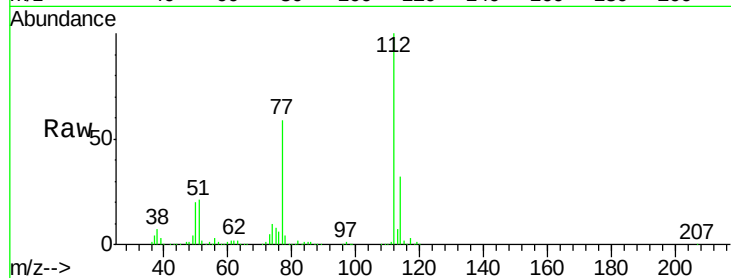




#65
Chlorobenzene
Concen: 50.03 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

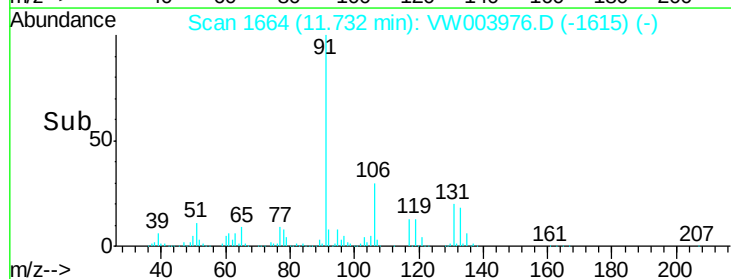
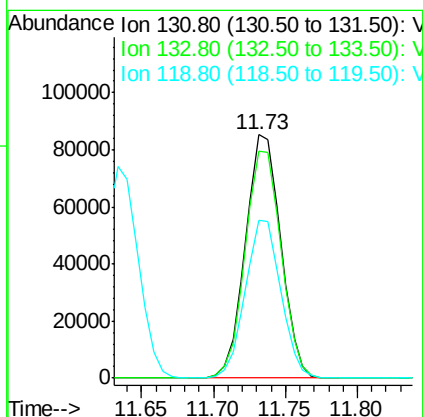
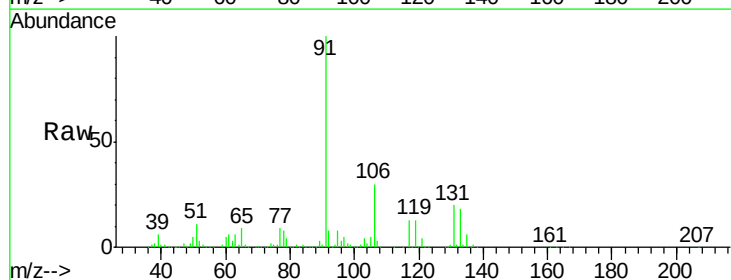
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

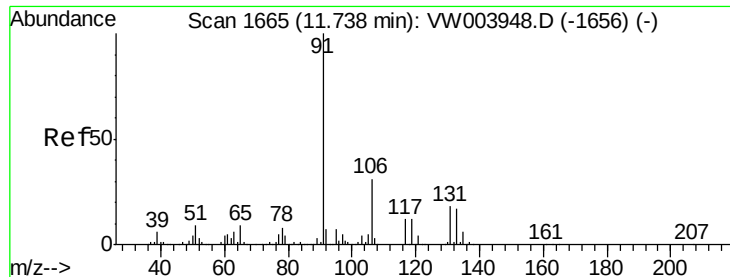
Tot Ion:112 Resp: 410568
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.83 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion:131 Resp: 144946
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 64.9 32.5 97.5

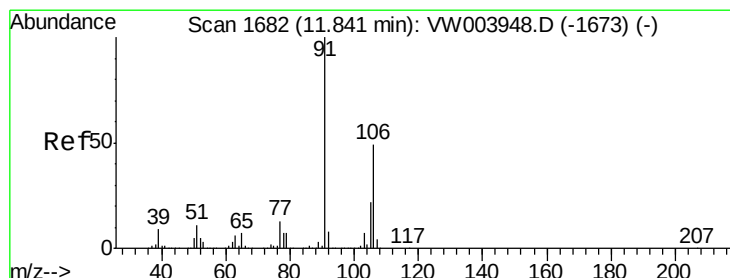
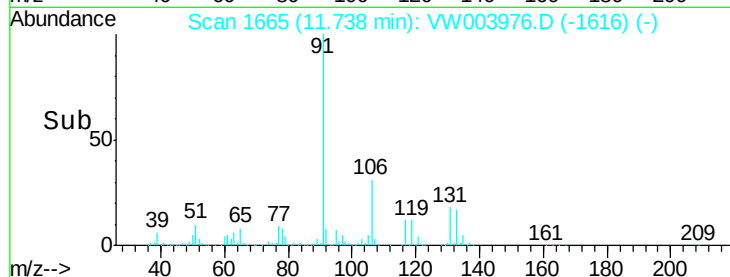
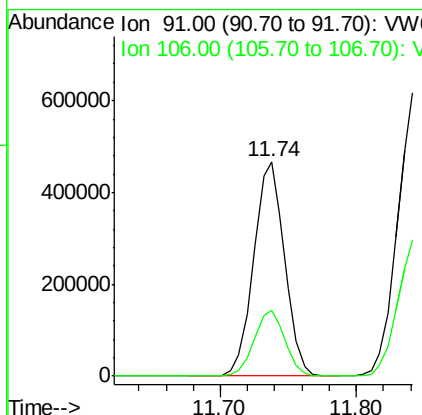
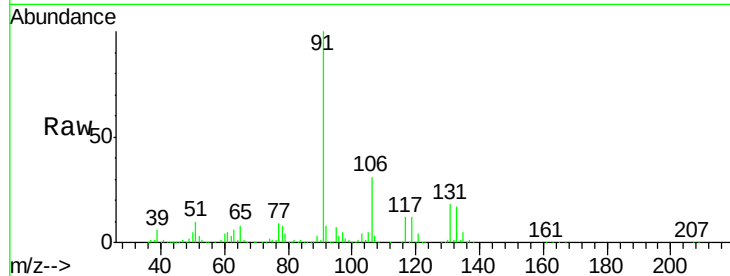




#67
Ethyl Benzene
Concen: 51.57 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

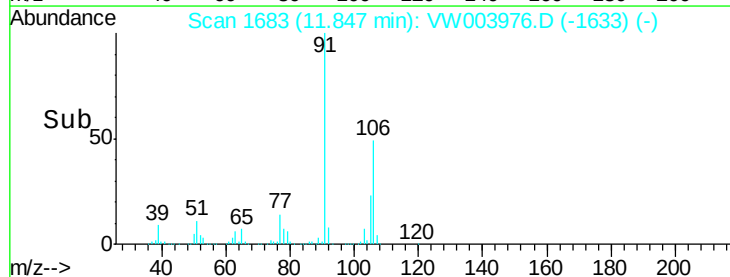
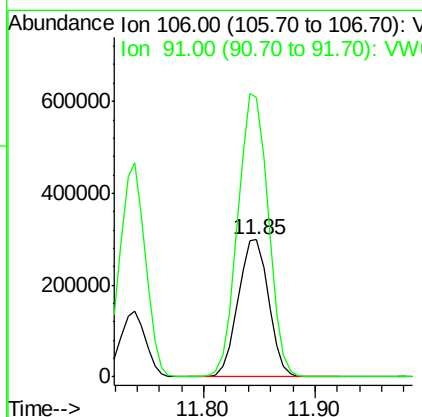
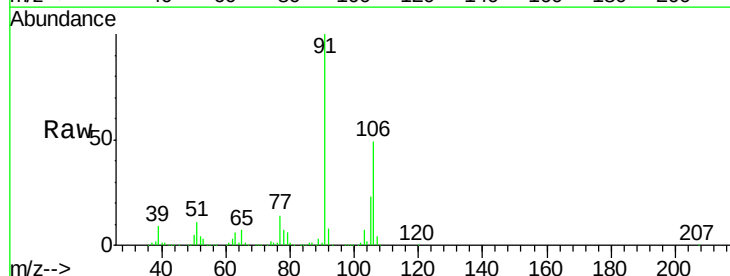
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

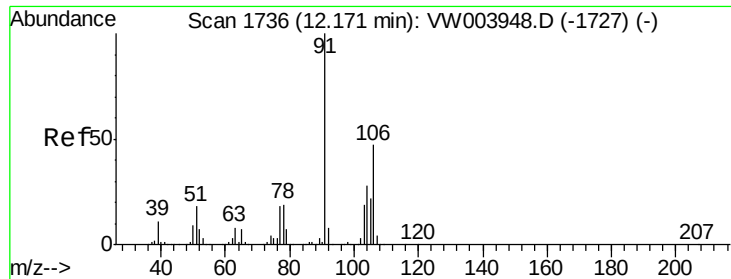
Tot Ion: 91 Resp: 743429
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 103.21 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 106 Resp: 568623
Ion Ratio Lower Upper
106 100
91 205.7 164.2 246.2

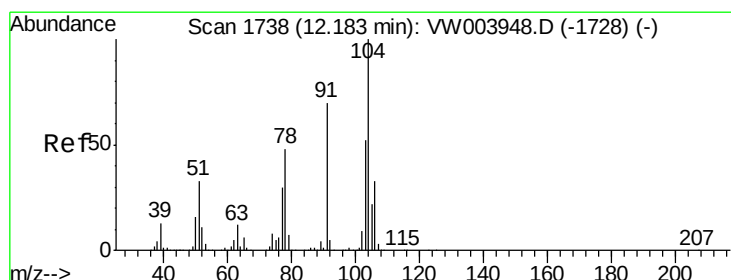
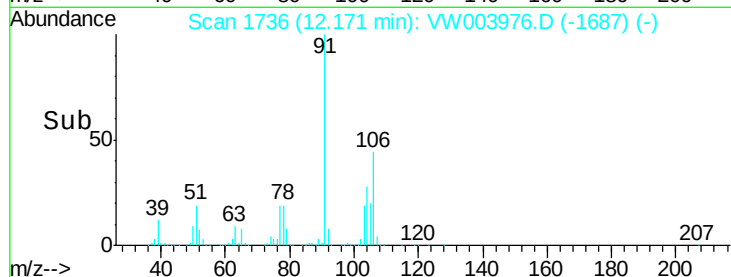
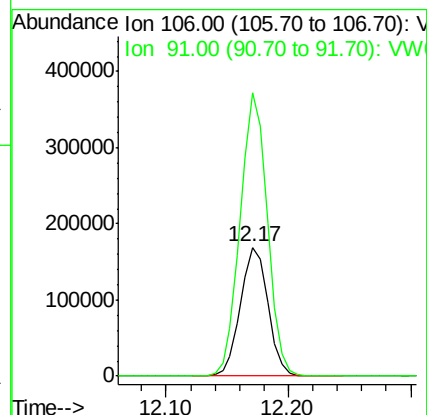
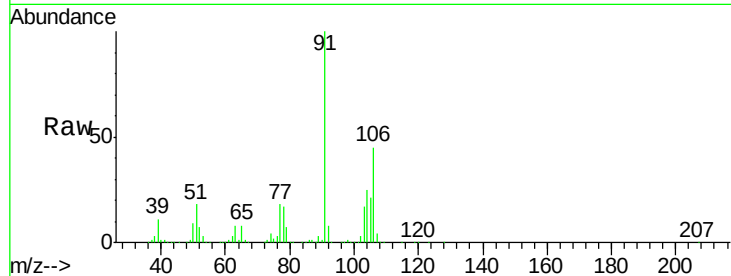




#69
o-Xylene
Concen: 51.46 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

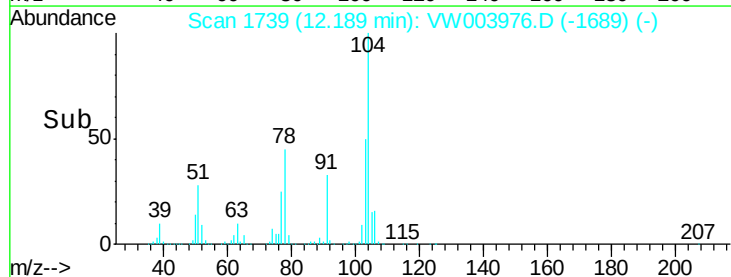
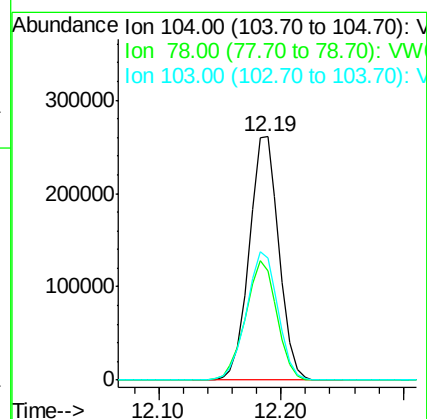
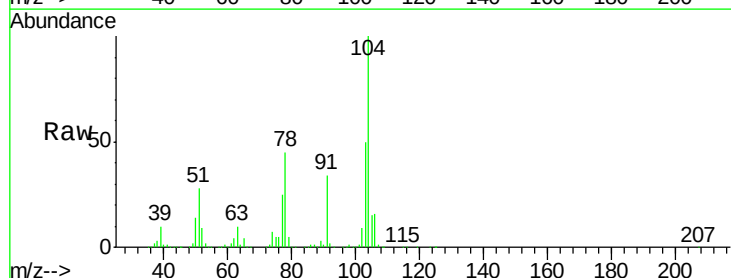
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

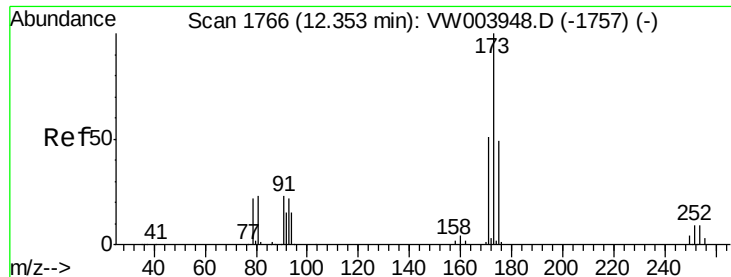
Tot Ion:106 Resp: 262984
Ion Ratio Lower Upper
106 100
91 217.0 107.5 322.6



#70
Styrene
Concen: 51.53 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion:104 Resp: 439883
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.4
103 55.9 44.6 67.0





#71

Bromoform

Concen: 48.71 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

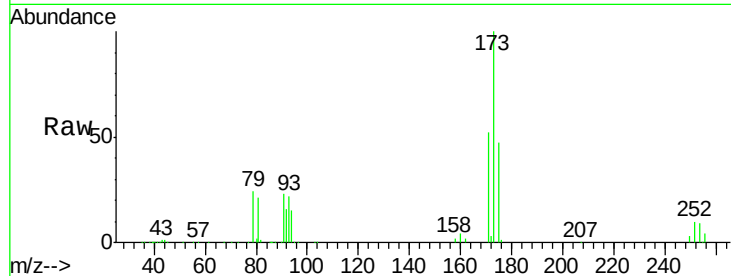
Tot Ion:173 Resp: 78427

Ion Ratio Lower Upper

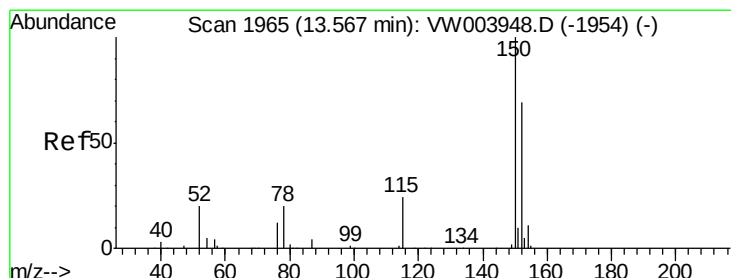
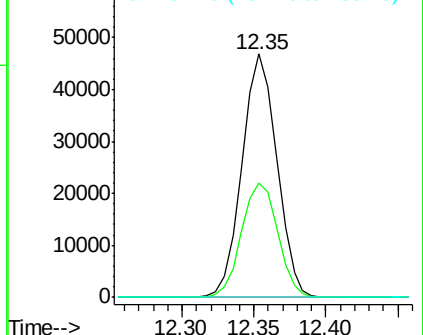
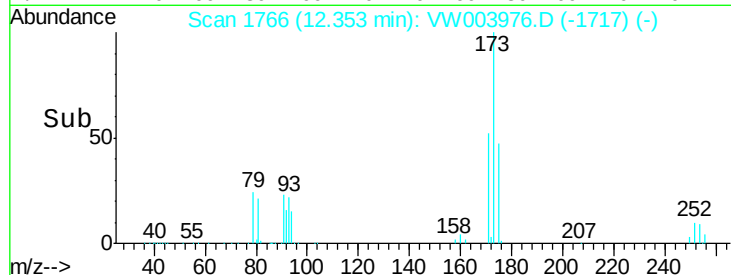
173 100

175 48.8 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

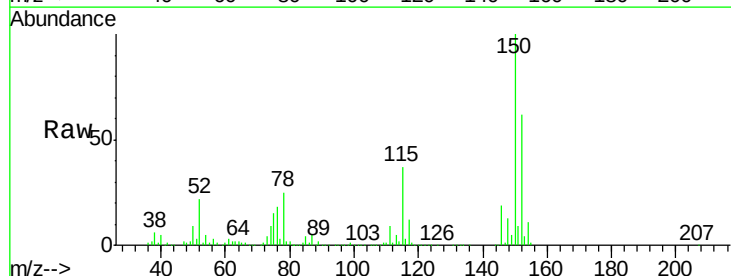
Tgt Ion:152 Resp: 198579

Ion Ratio Lower Upper

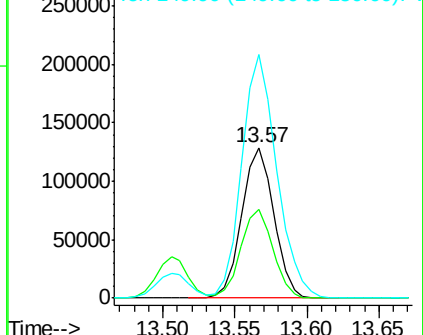
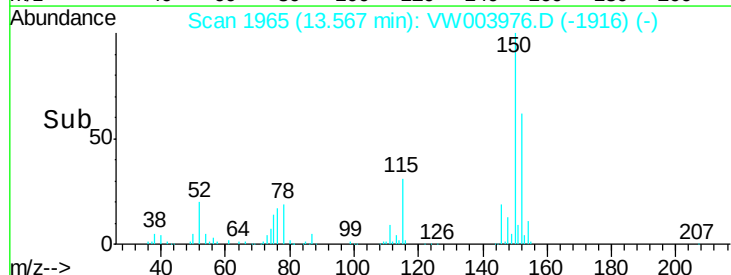
152 100

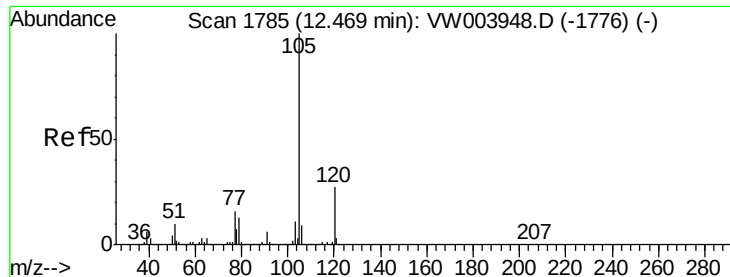
115 58.7 29.2 87.6

150 176.3 0.0 345.2



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





#73

Isopropylbenzene

Concen: 52.41 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

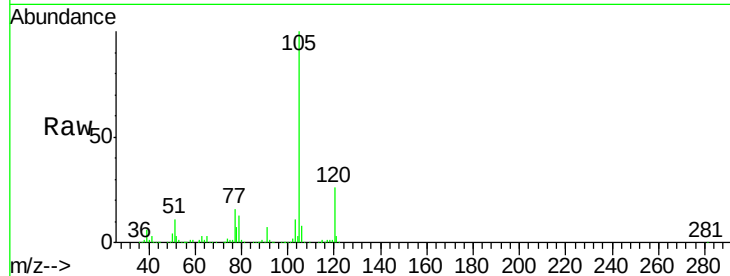
VSTDCCC050

Tot Ion:105 Resp: 735371

Ion Ratio Lower Upper

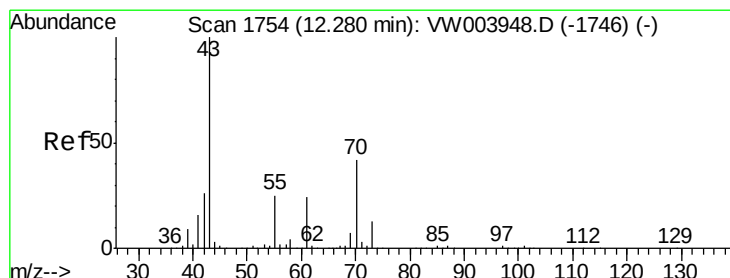
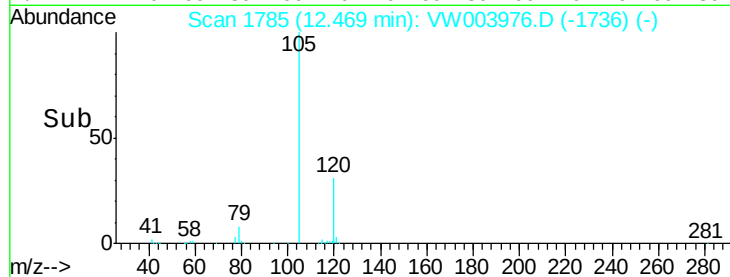
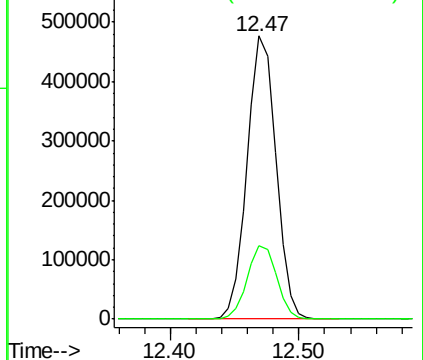
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.72 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion: 43 Resp: 181798

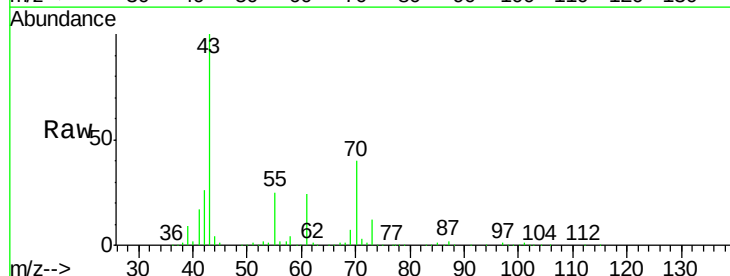
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 25.5 20.0 30.0

61 23.0 18.5 27.7

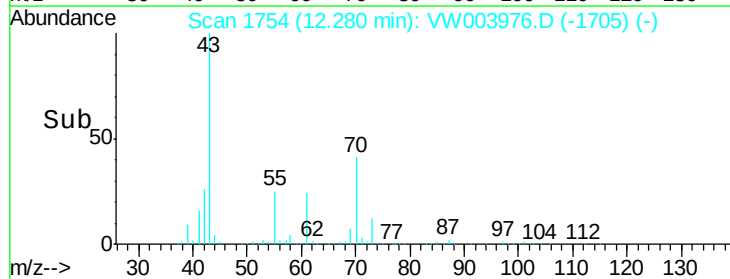
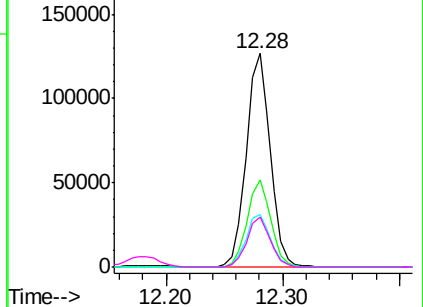


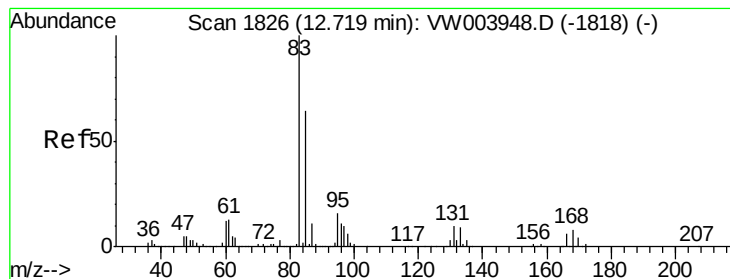
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 48.81 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

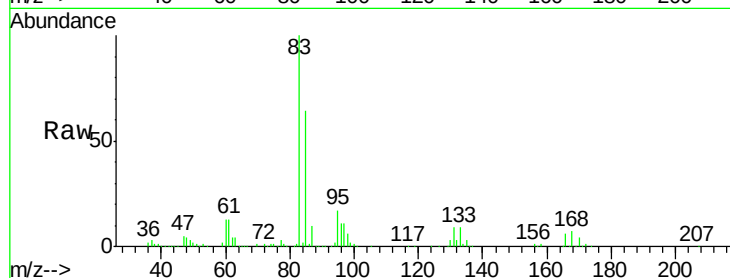
Tot Ion: 83 Resp: 132445

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

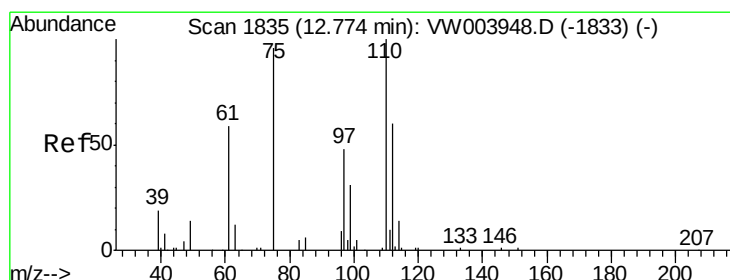
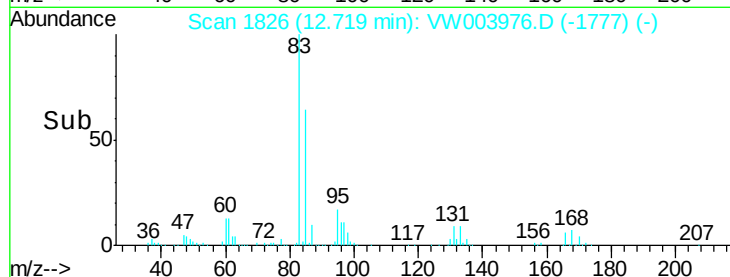
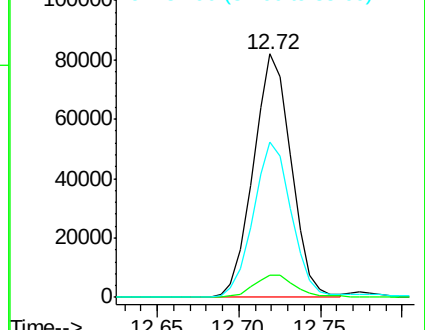
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90.60 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003976.D

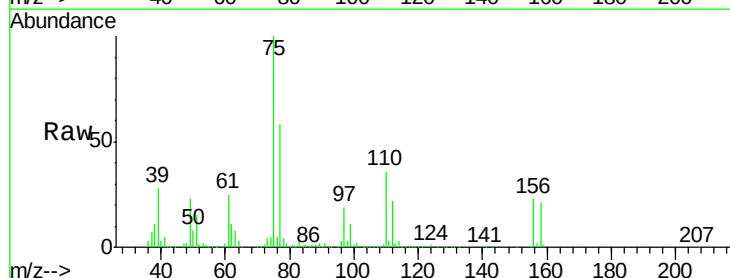
Acq: 17 Jul 2018 11:02

Tgt Ion: 75 Resp: 178608

Ion Ratio Lower Upper

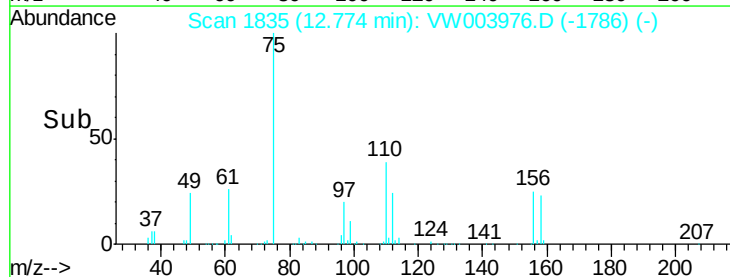
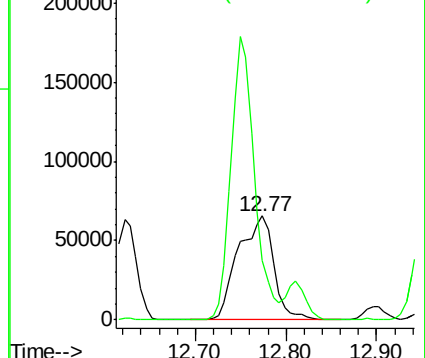
75 100

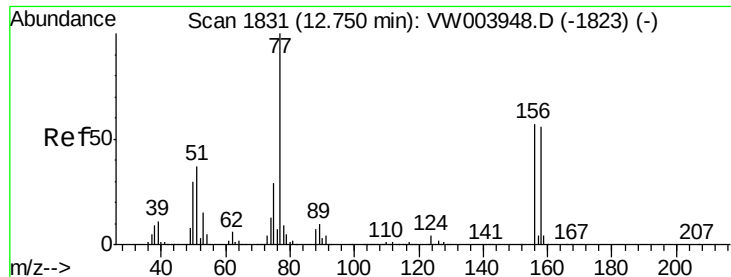
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.04 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

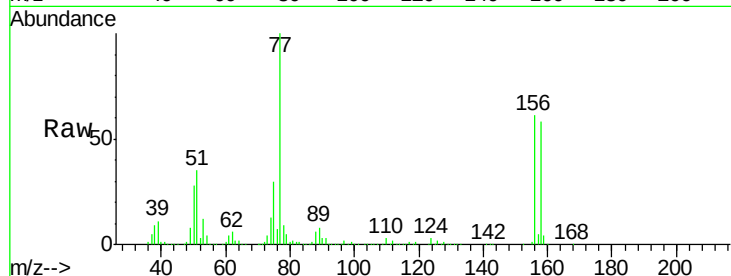
Tot Ion:156 Resp: 168000

Ion Ratio Lower Upper

156 100

77 192.2 96.2 288.6

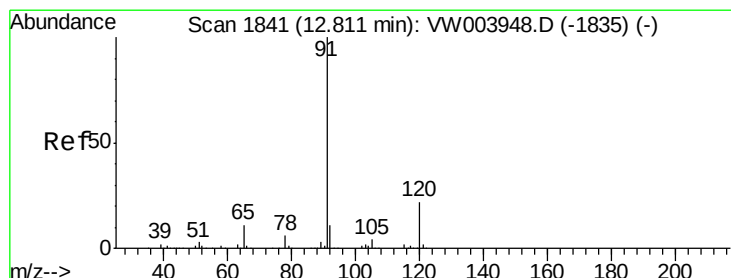
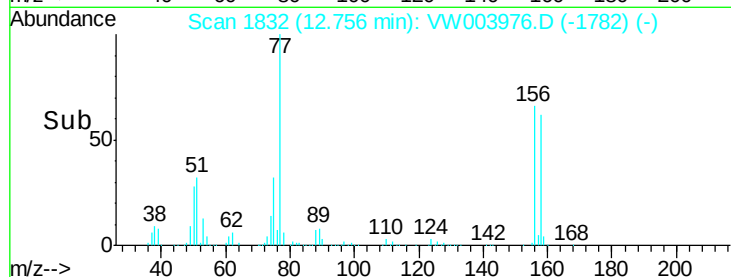
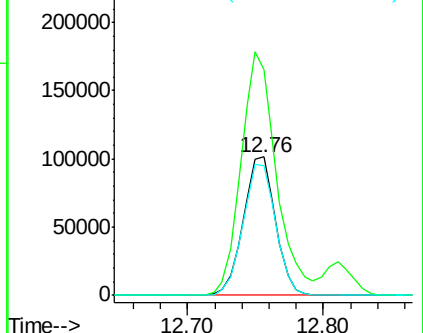
158 96.2 48.5 145.5



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: 53.11 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003976.D

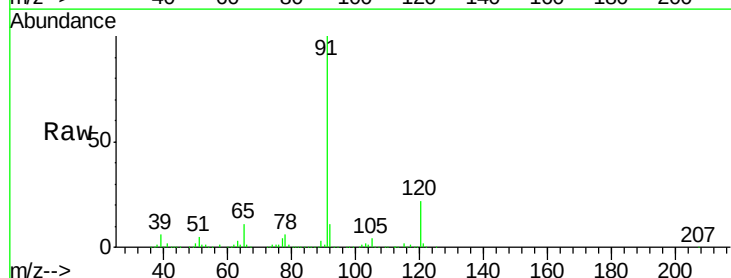
Acq: 17 Jul 2018 11:02

Tgt Ion: 91 Resp: 914240

Ion Ratio Lower Upper

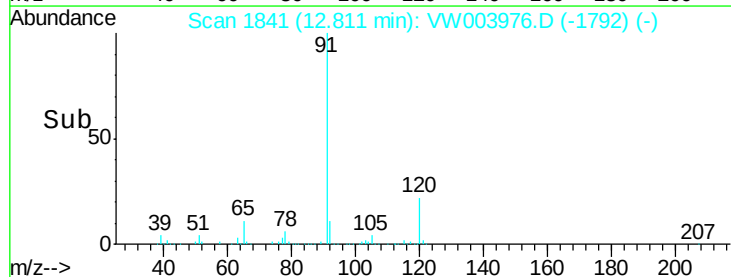
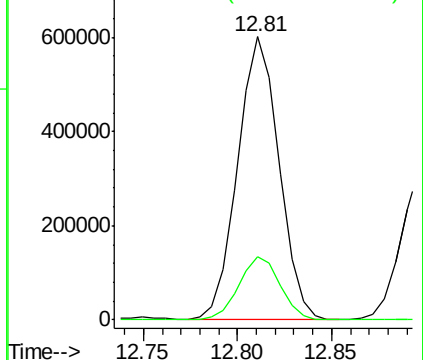
91 100

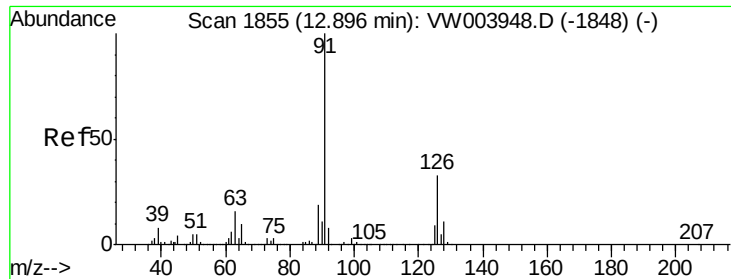
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.01 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

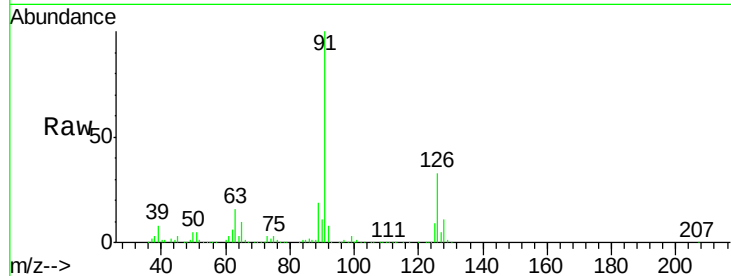
VSTDCCC050

Tot Ion: 91 Resp: 504959

Ion Ratio Lower Upper

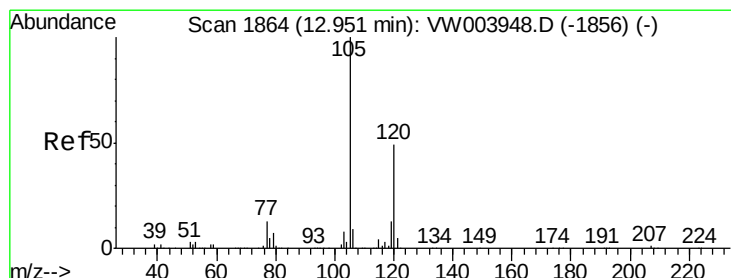
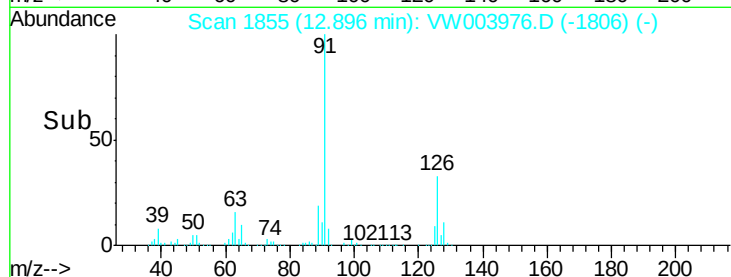
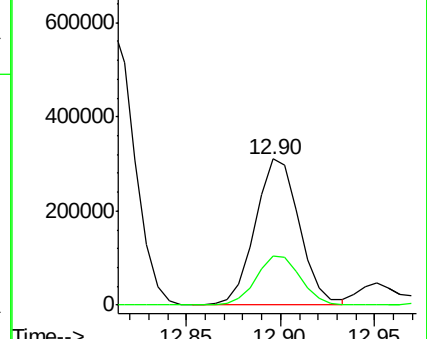
91 100

126 33.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.84 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003976.D

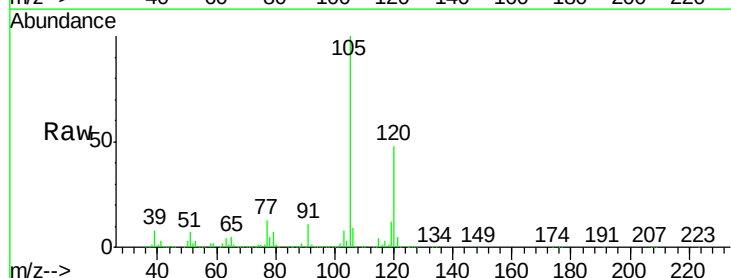
Acq: 17 Jul 2018 11:02

Tgt Ion:105 Resp: 623936

Ion Ratio Lower Upper

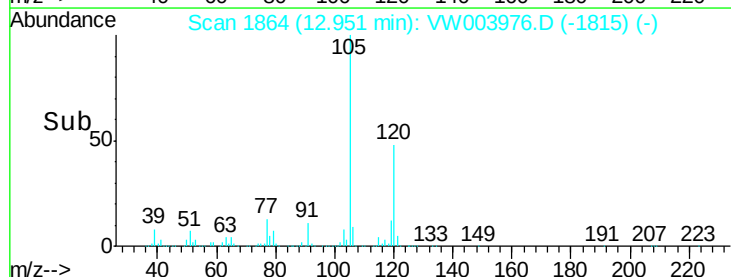
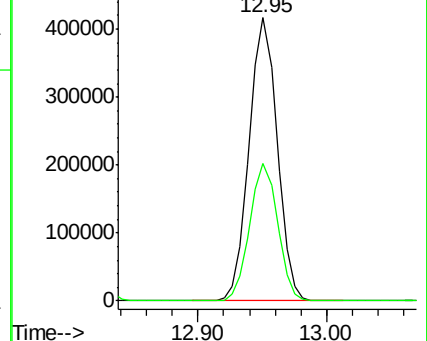
105 100

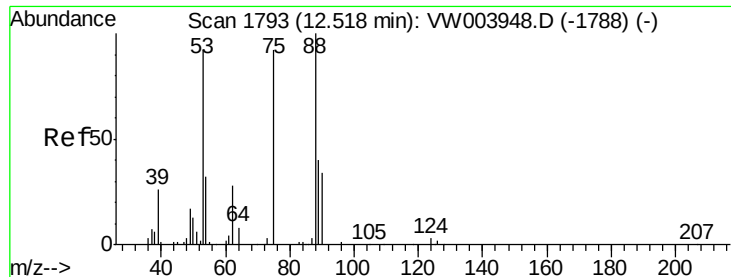
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.35 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

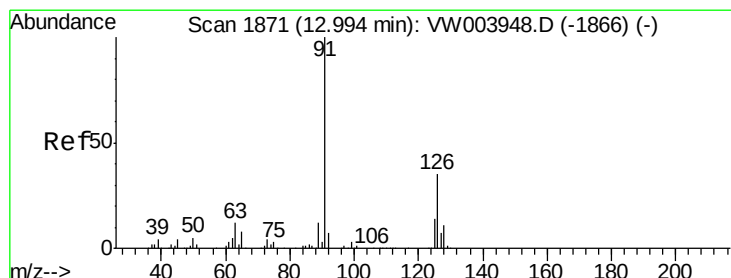
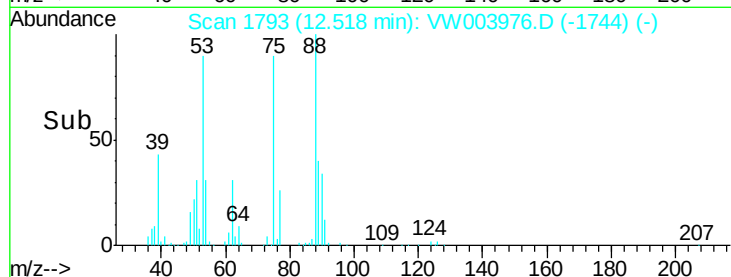
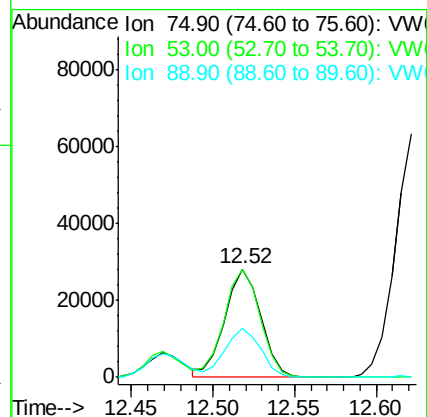
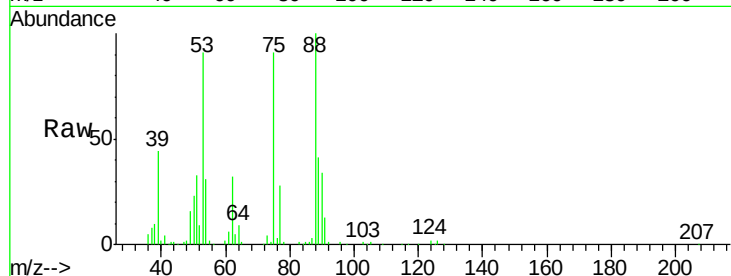
Tot Ion: 75 Resp: 43093

Ion Ratio Lower Upper

75 100

53 101.0 77.6 116.4

89 44.8 36.6 54.8



#82

4-Chlorotoluene

Concen: 50.94 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003976.D

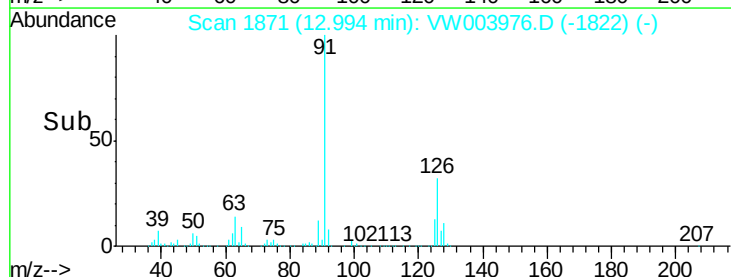
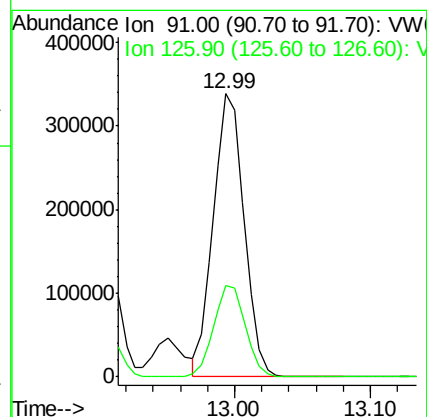
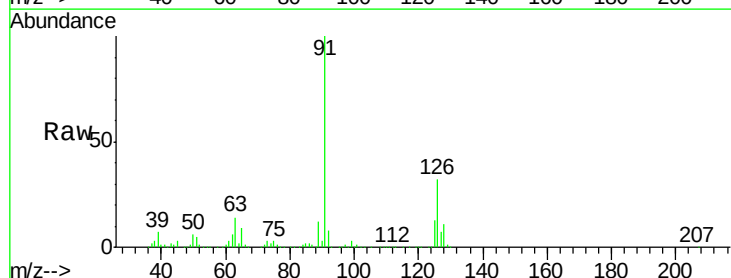
Acq: 17 Jul 2018 11:02

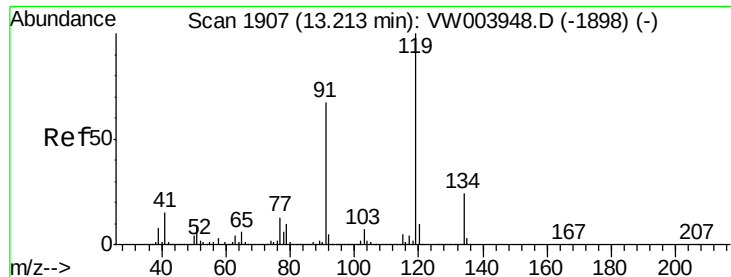
Tgt Ion: 91 Resp: 530804

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.0

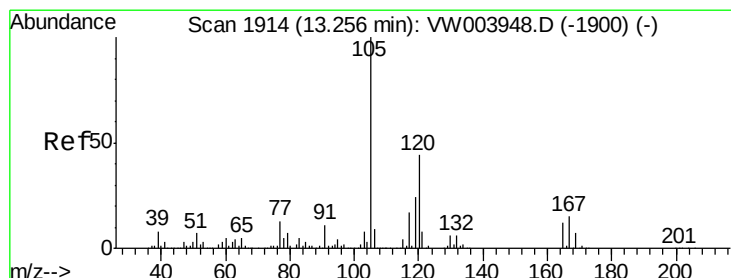
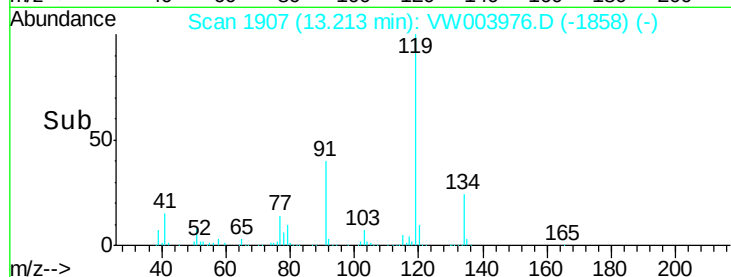
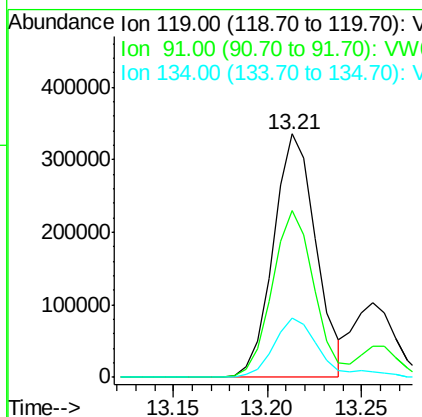
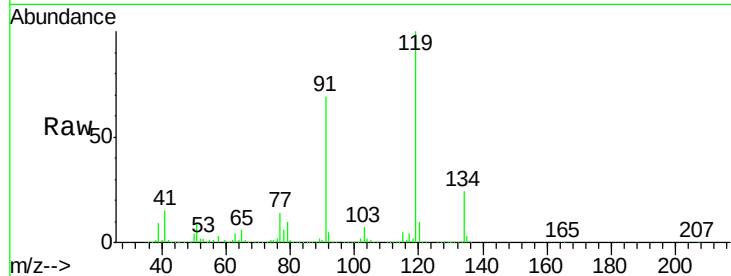




#83
 tert-Butylbenzene
 Concen: 53.20 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

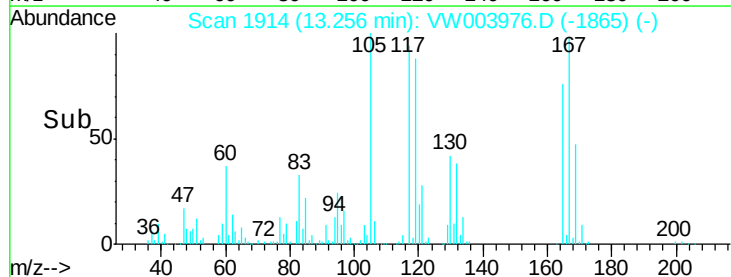
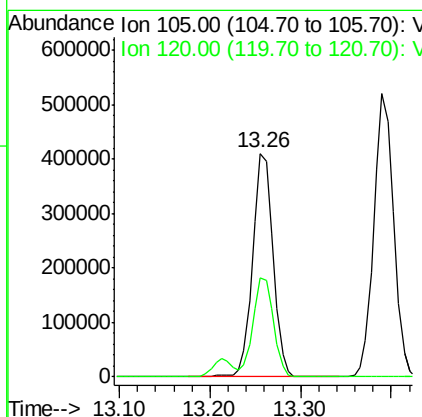
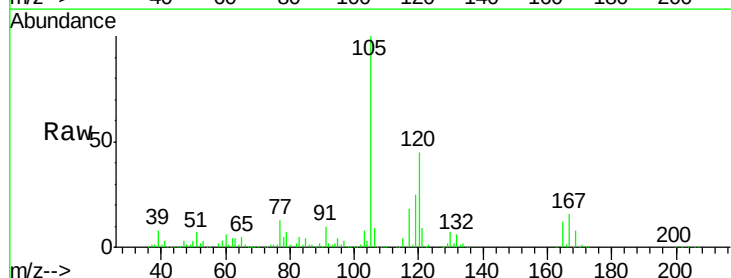
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

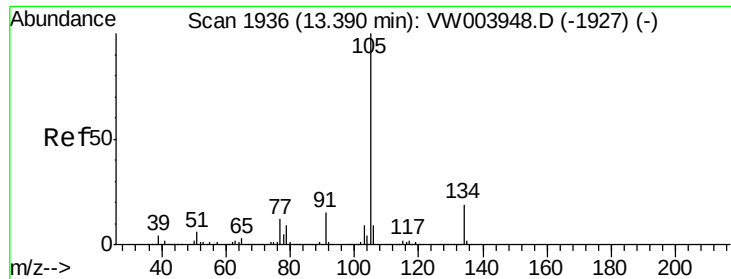
Tot Ion:119 Resp: 527434
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.2 99.6
 134 26.5 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.62 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion:105 Resp: 639258
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 53.34 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

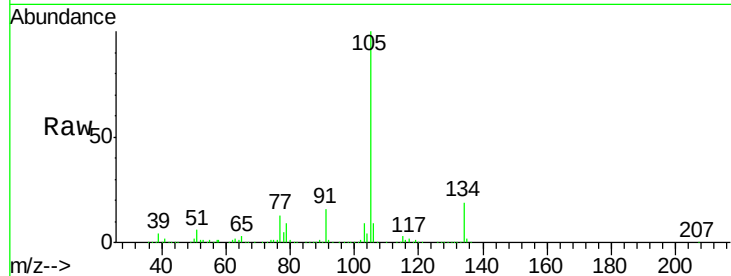
VSTDCCC050

Tot Ion:105 Resp: 784694

Ion Ratio Lower Upper

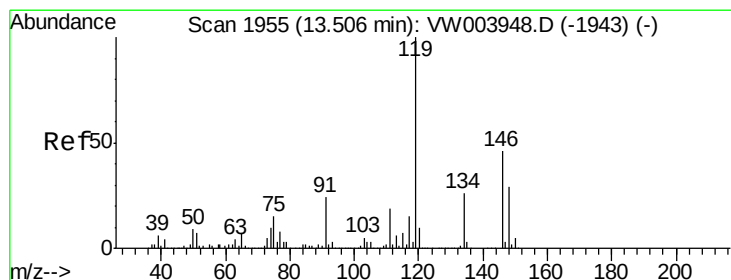
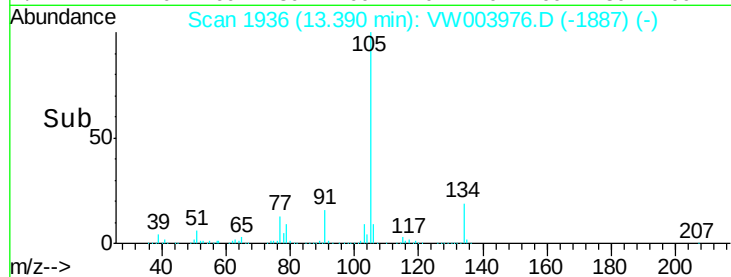
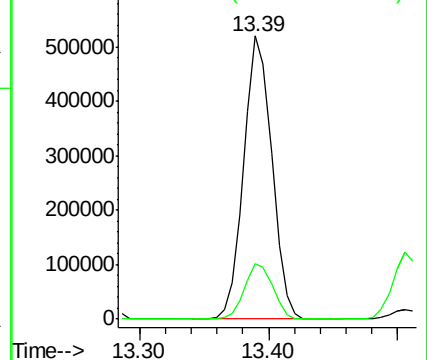
105 100

134 19.7 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.52 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

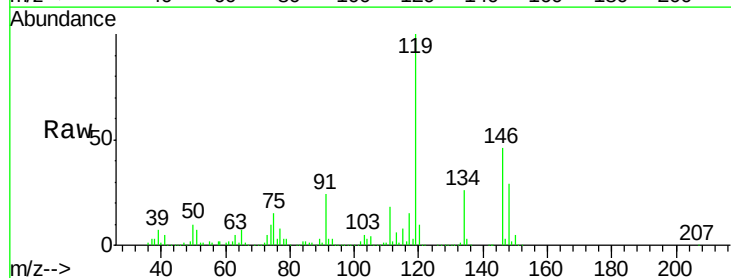
Tgt Ion:119 Resp: 690542

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

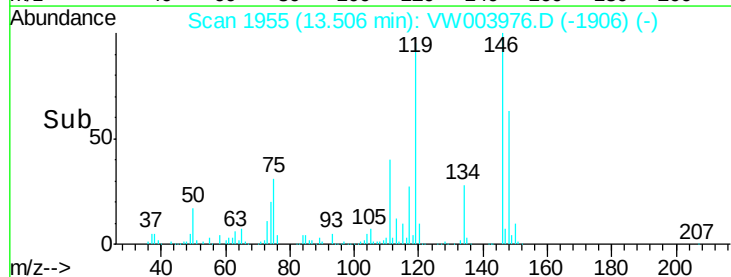
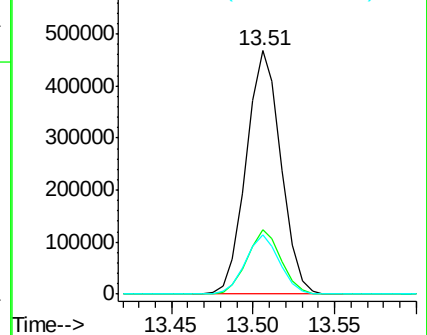
91 23.8 11.8 35.3

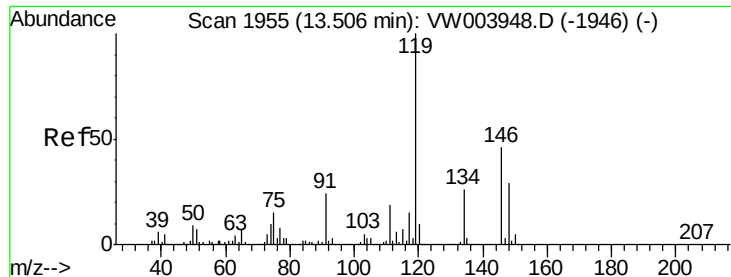


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.26 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

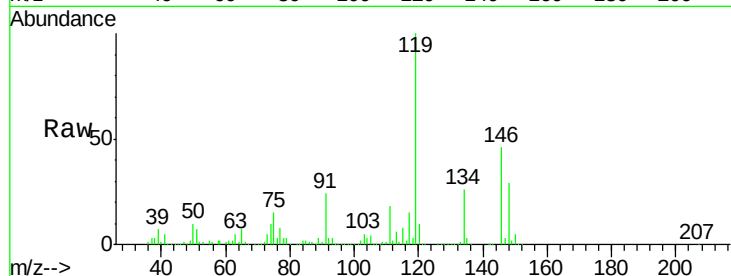
Tot Ion:146 Resp: 337024

Ion Ratio Lower Upper

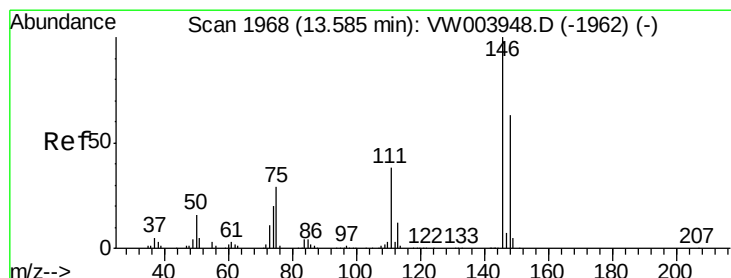
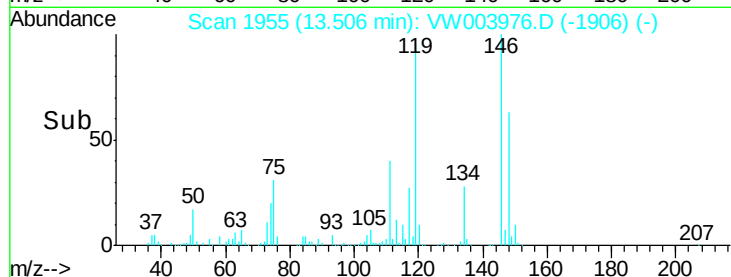
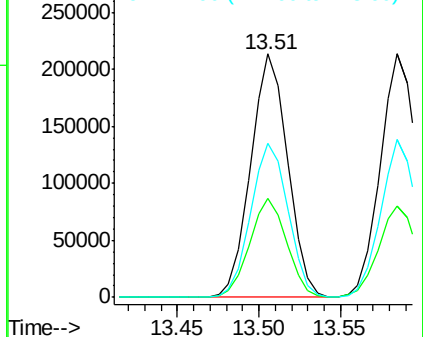
146 100

111 40.6 19.9 59.6

148 63.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.95 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

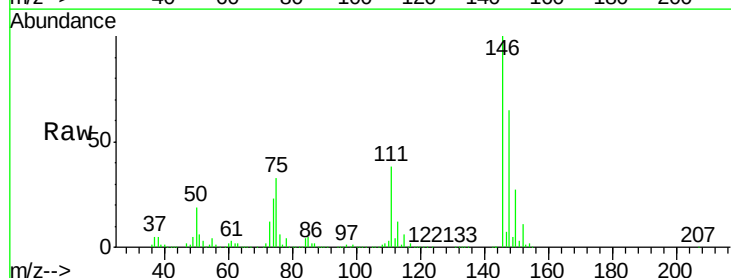
Tgt Ion:146 Resp: 335933

Ion Ratio Lower Upper

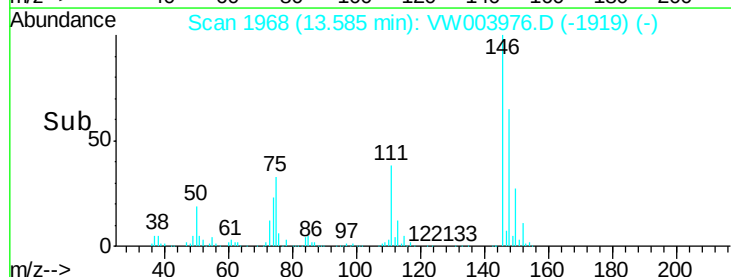
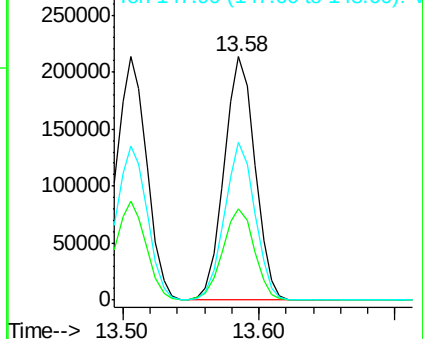
146 100

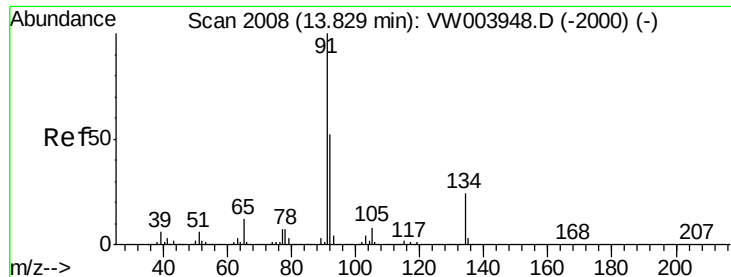
111 38.6 19.6 58.7

148 63.9 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.64 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

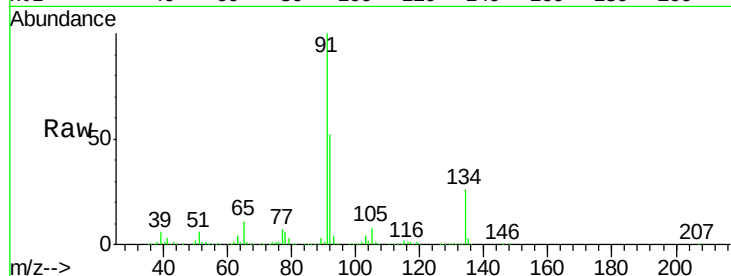
Tot Ion: 91 Resp: 680431

Ion Ratio Lower Upper

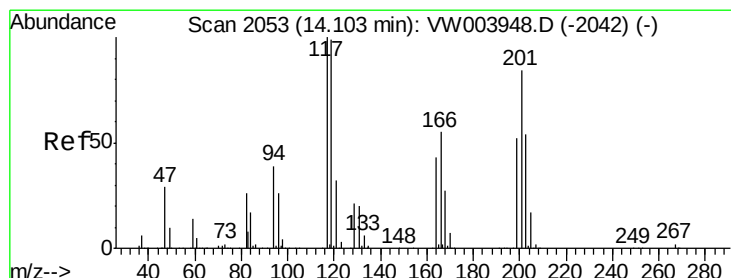
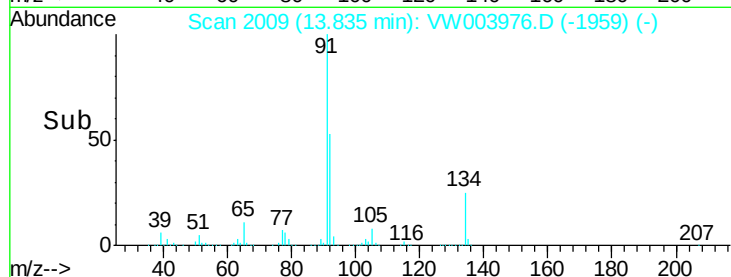
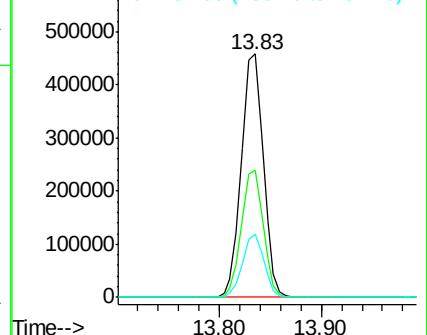
91 100

92 51.9 26.1 78.3

134 25.4 12.4 37.4



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



#90

Hexachloroethane

Concen: 51.30 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003976.D

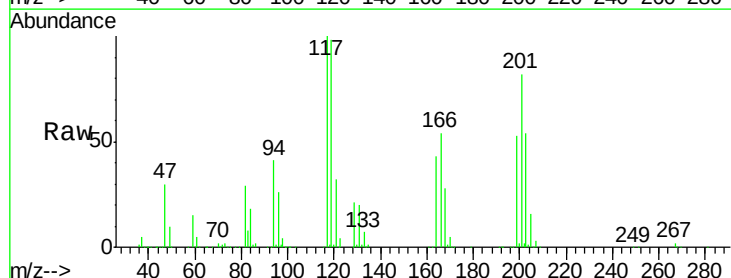
Acq: 17 Jul 2018 11:02

Tgt Ion: 117 Resp: 122010

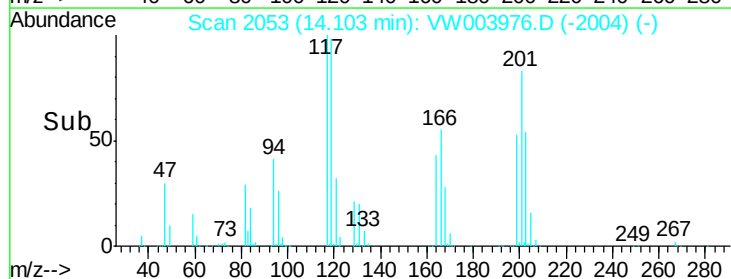
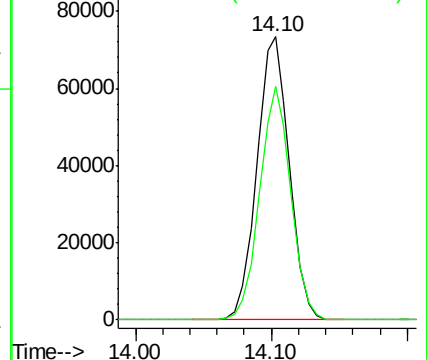
Ion Ratio Lower Upper

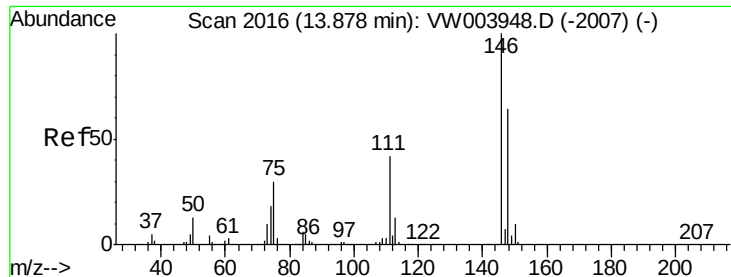
117 100

201 79.6 40.3 120.9



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

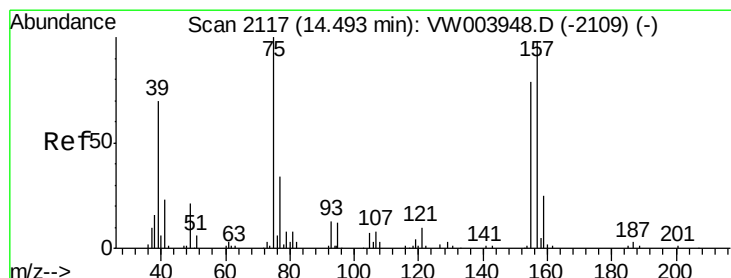
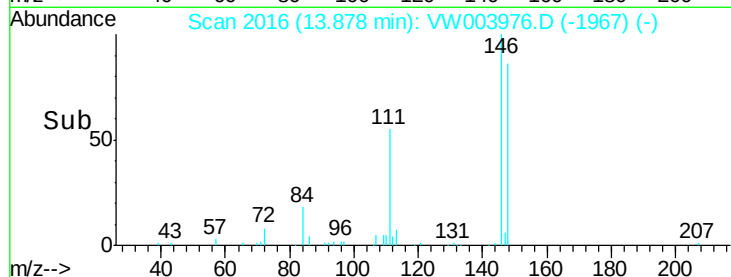
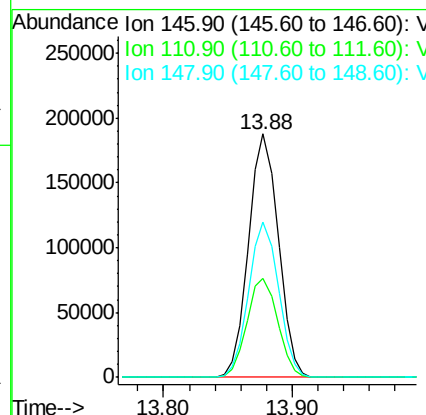
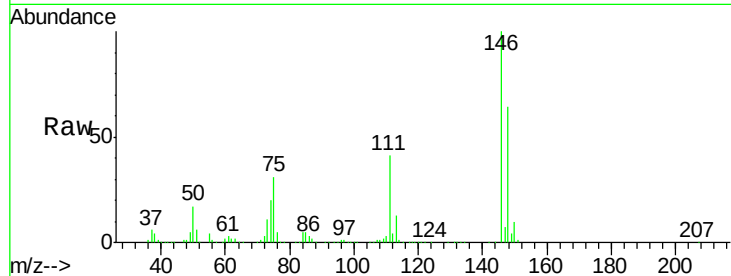




#91
 1,2-Dichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

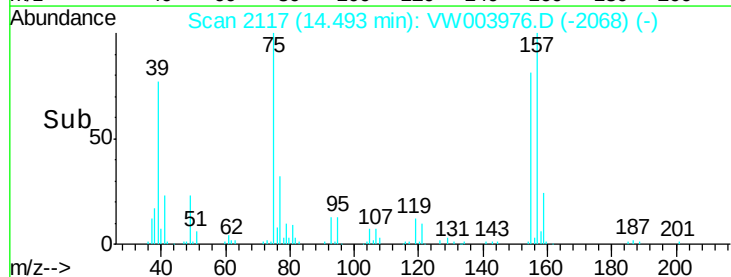
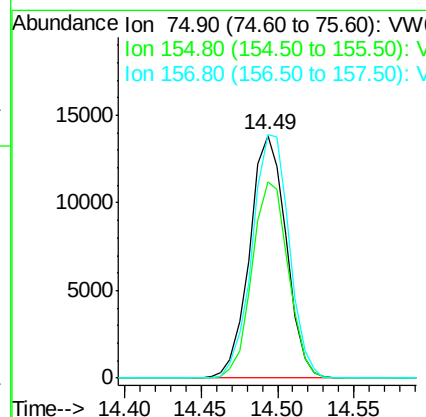
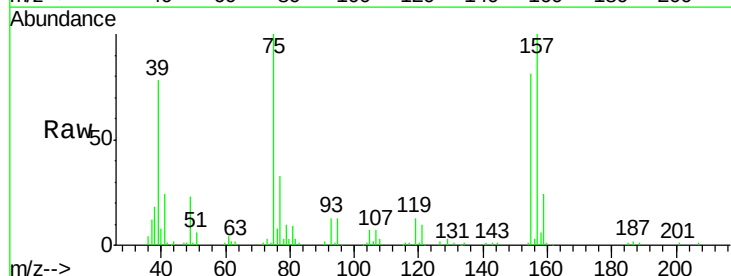
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

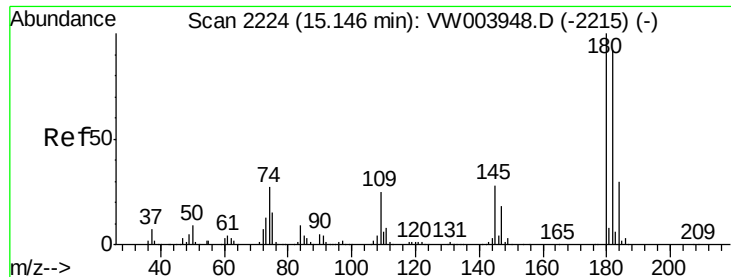
Tot Ion:146 Resp: 299728
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.7 62.1
 148 64.2 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.49 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 75 Resp: 22917
 Ion Ratio Lower Upper
 75 100
 155 80.7 39.4 118.1
 157 102.2 51.8 155.4

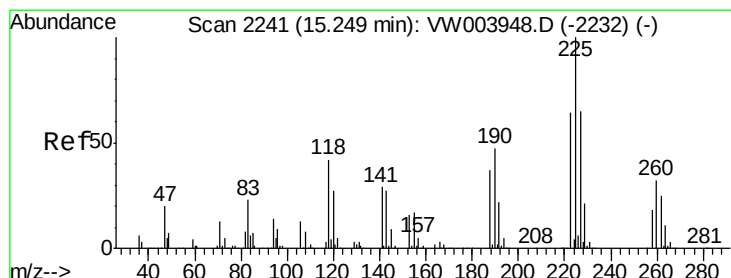
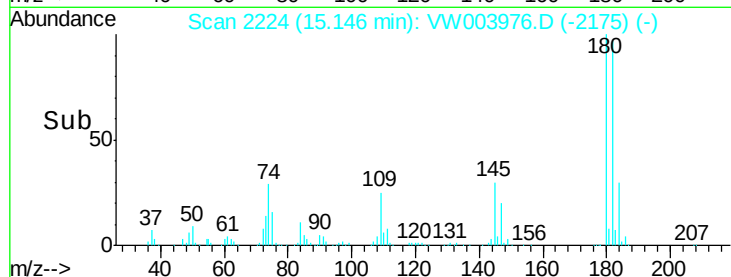
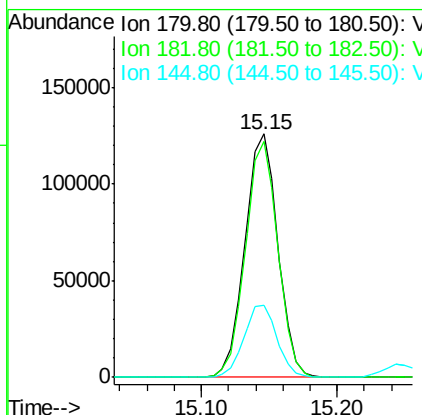
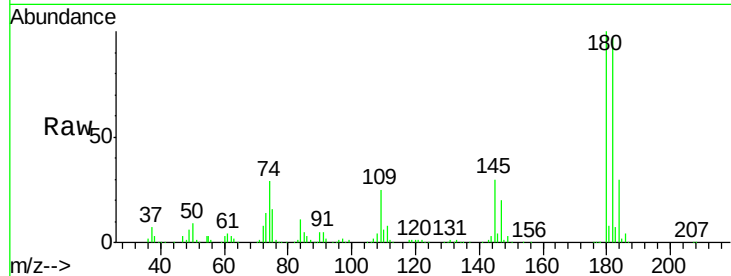




#93
 1,2,4-Trichlorobenzene
 Concen: 50.84 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

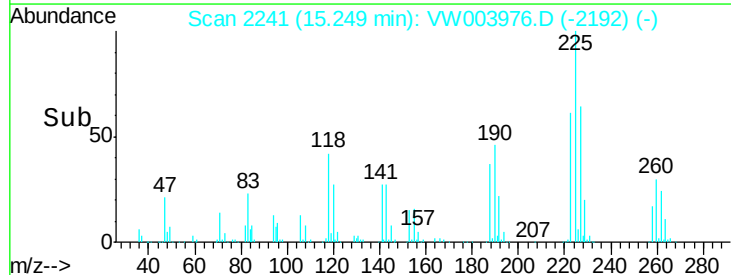
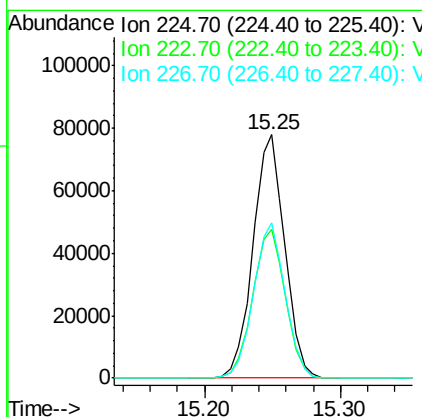
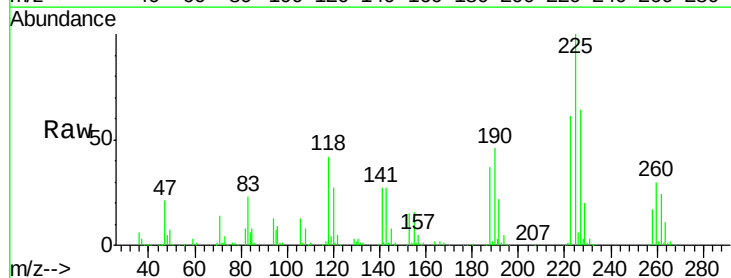
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

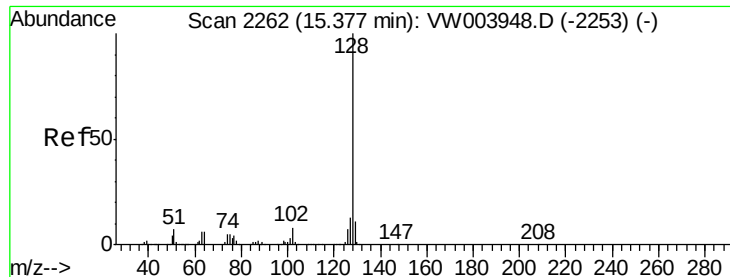
Tot Ion:180 Resp: 213331
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.8
 145 29.8 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 52.82 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion:225 Resp: 127266
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.0 96.2
 227 63.8 32.3 96.9





#95

Naphthalene

Concen: 50.42 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

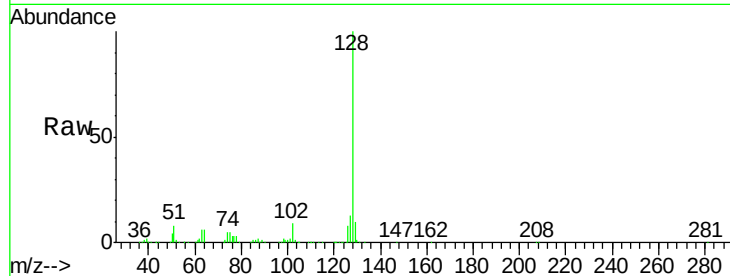
Tot Ion:128 Resp: 390493

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

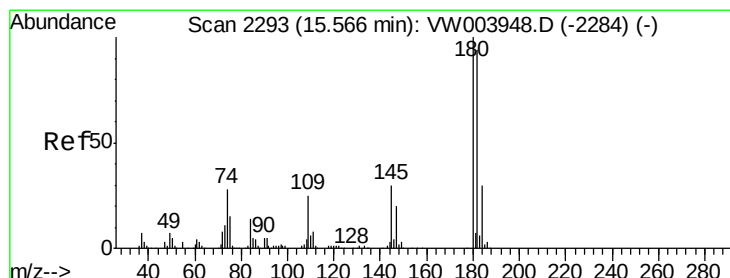
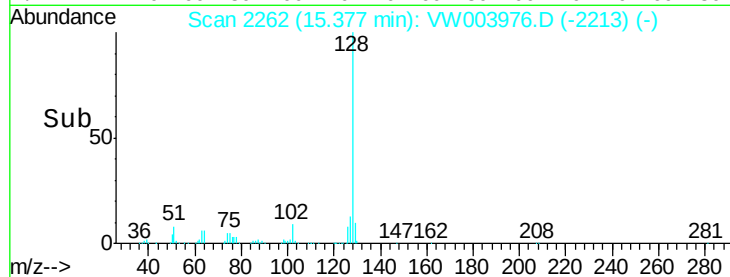
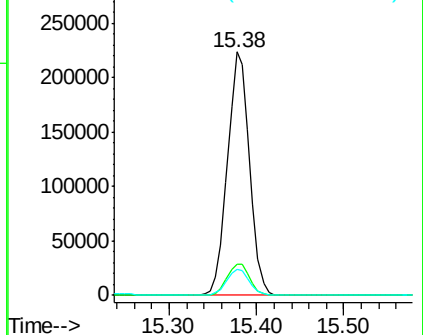
129 10.9 8.7 13.1



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: 50.48 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

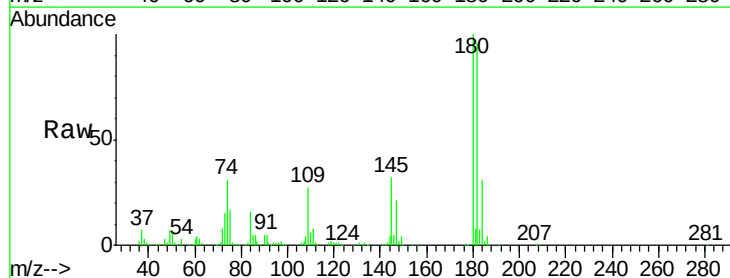
Tgt Ion:180 Resp: 187535

Ion Ratio Lower Upper

180 100

182 96.7 47.5 142.6

145 31.7 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

