

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002566.D
 Acq On : 15 May 2018 23:16
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 16 05:49:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	294244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116699	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
35) Dibromofluoromethane	7.88	113	104042	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.33	98	396718	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.63	95	145491	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	42420	52.99	ug/l	96
3) Chloromethane	2.21	50	80498	52.57	ug/l	99
4) Vinyl Chloride	2.36	62	131733	54.86	ug/l	98
5) Bromomethane	2.77	94	102120	51.86	ug/l	98
6) Chloroethane	2.92	64	87151	52.74	ug/l	96
7) Trichlorofluoromethane	3.24	101	45587	43.08	ug/l	97
8) Diethyl Ether	3.67	74	78469	61.97	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	90218	51.47	ug/l	100
10) Methyl Iodide	4.26	142	145271	52.00	ug/l	99
11) Tert butyl alcohol	5.20	59	42909	260.37	ug/l	98
12) 1,1-Dichloroethene	4.03	96	89515	51.59	ug/l	95
13) Acrolein	3.89	56	43482	267.82	ug/l	99
14) Allyl chloride	4.65	41	117956	45.81	ug/l	99
15) Acrylonitrile	5.37	53	128901	282.29	ug/l	98
16) Acetone	4.12	43	108990	240.80	ug/l	98
17) Carbon Disulfide	4.37	76	233859	48.98	ug/l	100
18) Methyl Acetate	4.67	43	76992	58.35	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	182500	57.24	ug/l	99
20) Methylene Chloride	4.91	84	98389	54.91	ug/l	97
21) trans-1,2-Dichloroethene	5.40	96	97165	51.80	ug/l	97
22) Diisopropyl ether	6.31	45	304048	53.30	ug/l	100
23) Vinyl Acetate	6.25	43	944956	273.35	ug/l	99
24) 1,1-Dichloroethane	6.21	63	181356	52.75	ug/l	99
25) 2-Butanone	7.18	43	180947	282.71	ug/l	99
26) 2,2-Dichloropropane	7.17	77	84028	43.62	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	112826	52.72	ug/l	99
28) Bromochloromethane	7.51	49	81171	52.90	ug/l	99
29) Tetrahydrofuran	7.53	42	116309	290.90	ug/l	99
30) Chloroform	7.67	83	195576	53.28	ug/l	94
31) Cyclohexane	7.95	56	143018	46.96	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	141352	51.05	ug/l	99
36) 1,1-Dichloropropene	8.08	75	142055	51.28	ug/l	99
37) Ethyl Acetate	7.26	43	77451	56.37	ug/l	100
38) Carbon Tetrachloride	8.07	117	138585	51.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159682	50.32	ug/l	98
40) Benzene	8.32	78	414137	52.06	ug/l	100
41) Methacrylonitrile	7.48	41	43352	56.37	ug/l	99
42) 1,2-Dichloroethane	8.40	62	137923	54.60	ug/l	99
43) Isopropyl Acetate	8.43	43	147157	55.68	ug/l	99
44) Trichloroethene	9.09	130	113244	51.95	ug/l	96
45) 1,2-Dichloropropane	9.37	63	108147	53.36	ug/l	99
46) Dibromomethane	9.46	93	62447	54.14	ug/l	97
47) Bromodichloromethane	9.65	83	147492	54.83	ug/l	100
48) Methyl methacrylate	9.45	41	77525	60.55	ug/l	94
49) 1,4-Dioxane	9.45	88	22342	1162.31	ug/l	93
51) 4-Methyl-2-Pentanone	10.22	43	419784	289.30	ug/l	100
52) Toluene	10.39	92	266479	52.99	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	147725	54.31	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	163717	53.99	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89777	55.25	ug/l	97
56) Ethyl methacrylate	10.65	69	116999	59.08	ug/l	97
57) 1,3-Dichloropropane	10.94	76	149086	55.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	261551	269.04	ug/l	100
59) 2-Hexanone	10.98	43	296245	295.73	ug/l	99
60) Dibromochloromethane	11.13	129	106858	55.73	ug/l	99
61) 1,2-Dibromoethane	11.24	107	87453	55.76	ug/l	100
64) Tetrachloroethene	10.87	164	118937	57.35	ug/l	97
65) Chlorobenzene	11.66	112	310811	53.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	112630	53.69	ug/l	99
67) Ethyl Benzene	11.74	91	530128	53.22	ug/l	100
68) m/p-Xylenes	11.85	106	412968	106.64	ug/l	100
69) o-Xylene	12.18	106	198643	53.98	ug/l	99
70) Styrene	12.19	104	335406	54.77	ug/l	99
71) Bromoform	12.35	173	70051	56.83	ug/l	100
73) Isopropylbenzene	12.48	105	534234	52.60	ug/l	100
74) N-amyl acetate	12.28	43	147504	57.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	112128	54.49	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	142997	91.82	ug/l #	100
77) Bromobenzene	12.76	156	138717	53.53	ug/l	98
78) n-propylbenzene	12.82	91	648623	52.88	ug/l	99
79) 2-Chlorotoluene	12.90	91	369131	53.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	461509	53.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	30945	54.17	ug/l	99
82) 4-Chlorotoluene	13.00	91	399264	53.01	ug/l	99
83) tert-Butylbenzene	13.22	119	401182	53.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	483578	53.75	ug/l	100
85) sec-Butylbenzene	13.40	105	569870	52.99	ug/l	100
86) p-Isopropyltoluene	13.51	119	520054	53.76	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	275950	52.65	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	276036	52.94	ug/l	99
89) n-Butylbenzene	13.84	91	489200	53.47	ug/l	99
90) Hexachloroethane	14.10	117	93642	54.06	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	254162	53.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	20832	57.38	ug/l	95

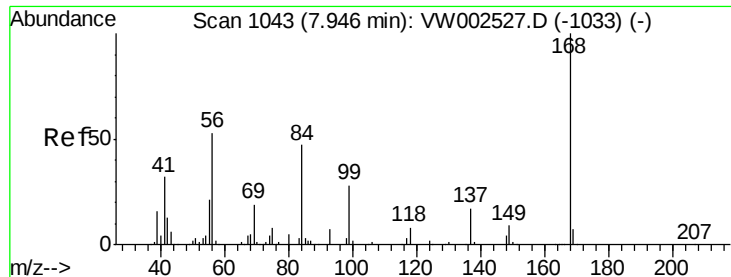
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	185877	53.69	ug/l	99
94) Hexachlorobutadiene	15.26	225	100860	52.36	ug/l	99
95) Naphthalene	15.38	128	364638	57.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	167249	53.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

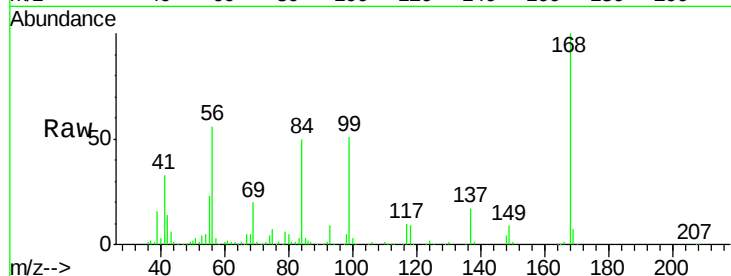
VSTDCCC050

Tgt Ion:168 Resp: 207467

Ion Ratio Lower Upper

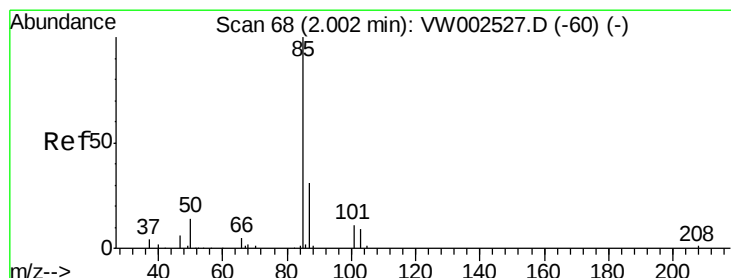
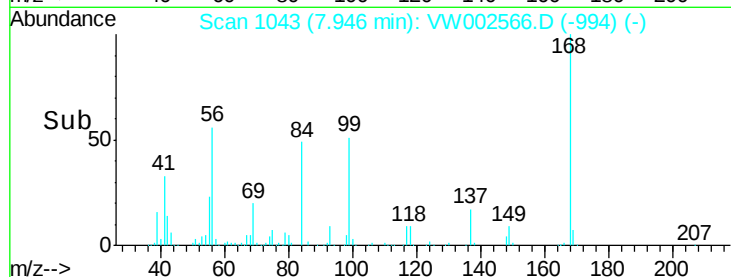
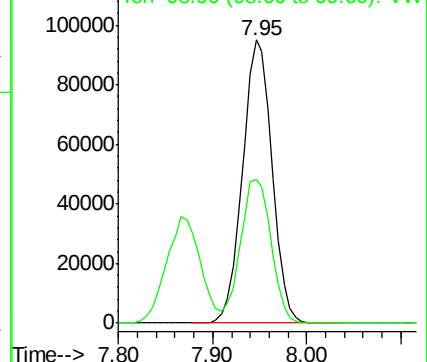
168 100

99 50.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.99 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002566.D

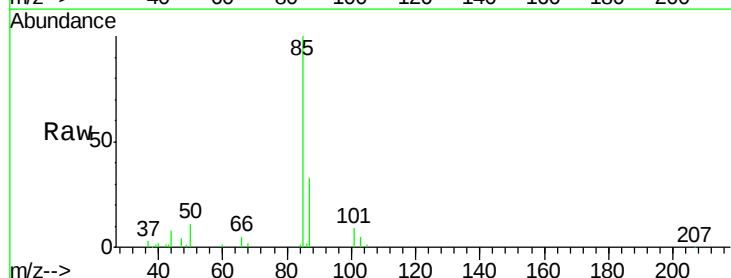
Acq: 15 May 2018 23:16

Tgt Ion: 85 Resp: 42420

Ion Ratio Lower Upper

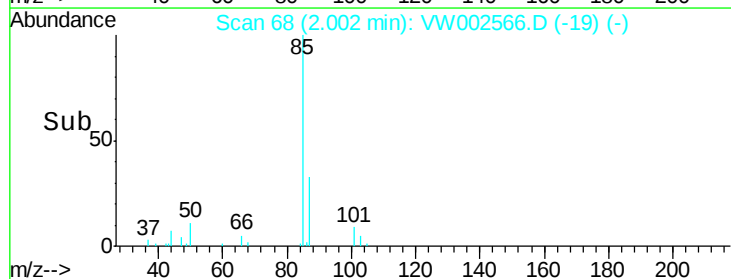
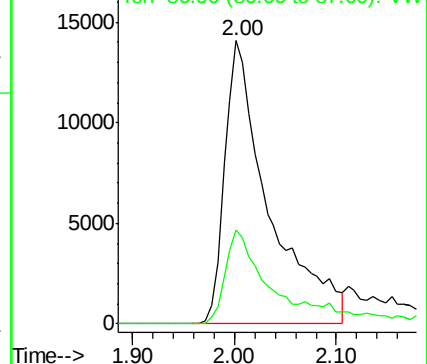
85 100

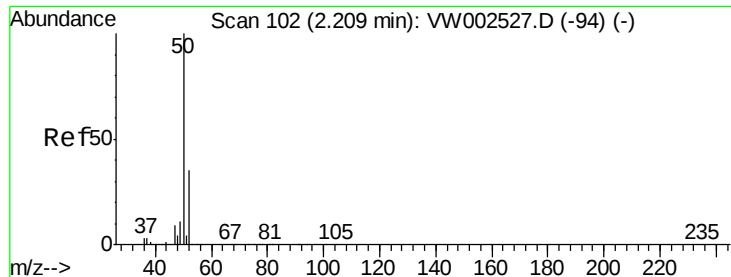
87 33.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.57 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

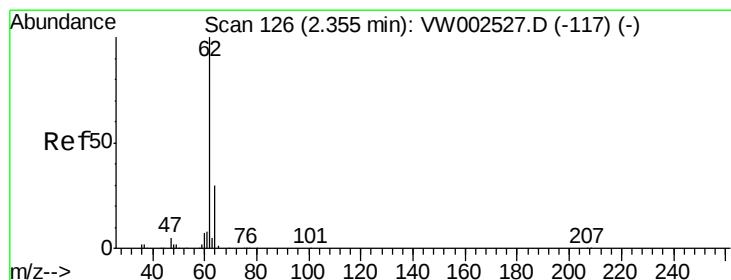
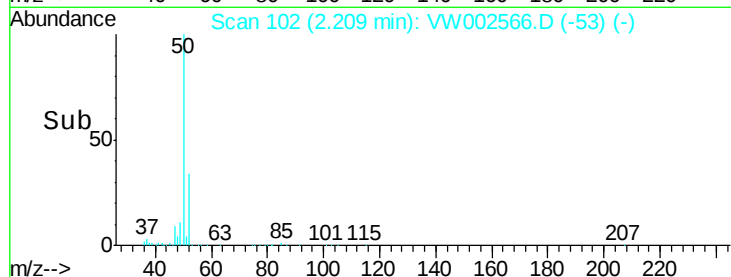
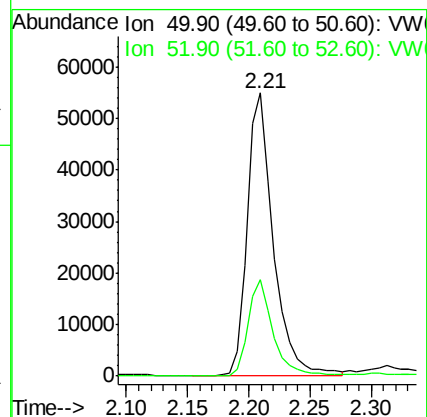
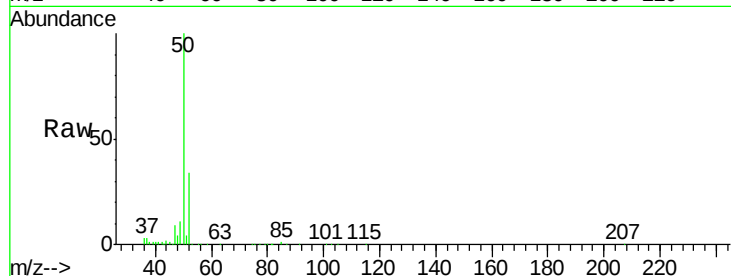
VSTDCCC050

Tgt Ion: 50 Resp: 80498

Ion Ratio Lower Upper

50 100

52 34.0 27.8 41.8



#4

Vinyl Chloride

Concen: 54.86 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002566.D

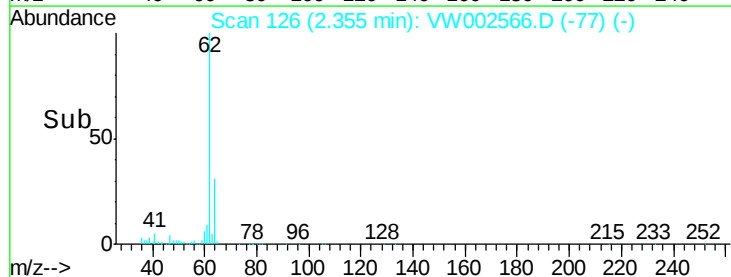
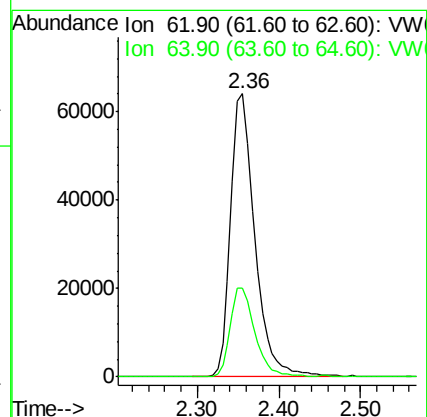
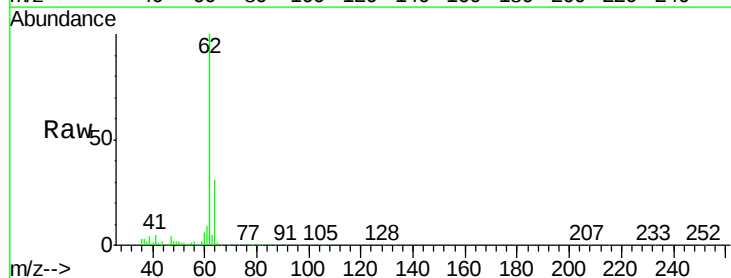
Acq: 15 May 2018 23:16

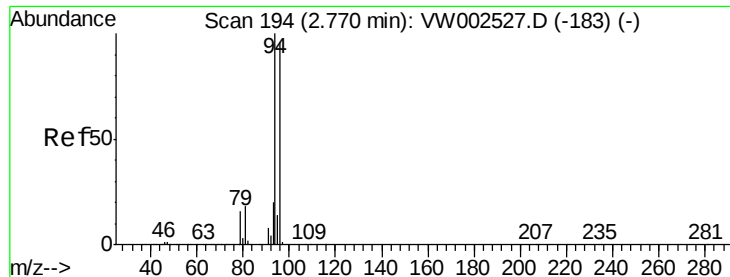
Tgt Ion: 62 Resp: 131733

Ion Ratio Lower Upper

62 100

64 31.3 24.0 36.0





#5

Bromomethane

Concen: 51.86 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

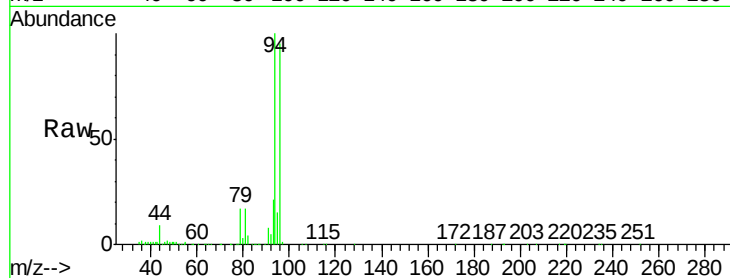
VSTDCCC050

Tgt Ion: 94 Resp: 102120

Ion Ratio Lower Upper

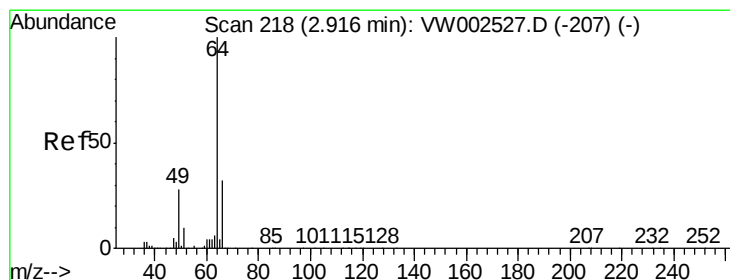
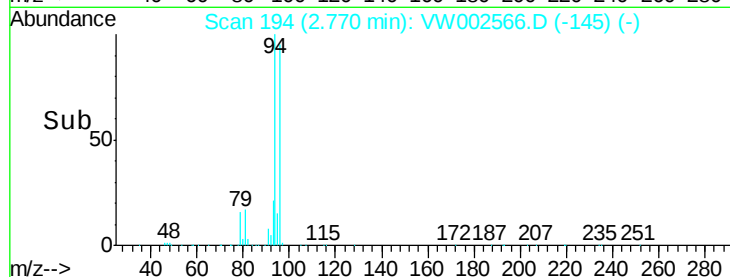
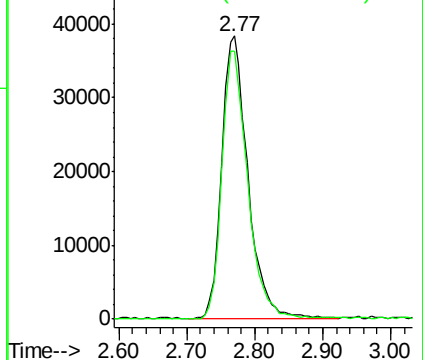
94 100

96 94.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.74 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002566.D

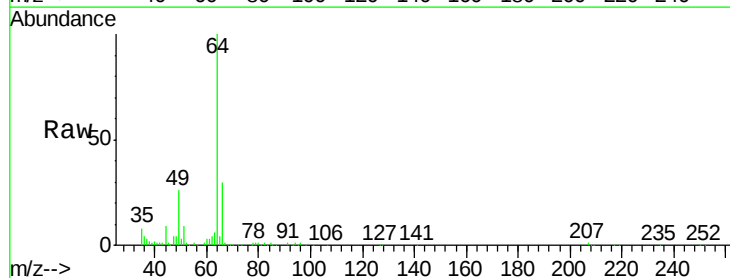
Acq: 15 May 2018 23:16

Tgt Ion: 64 Resp: 87151

Ion Ratio Lower Upper

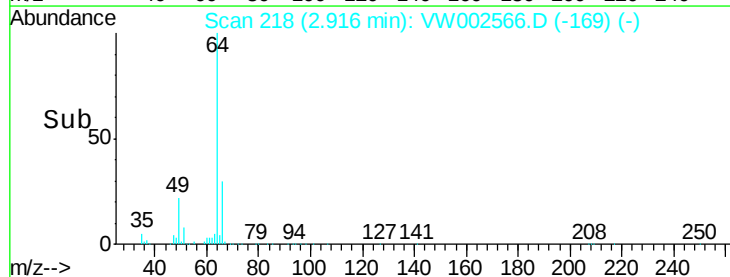
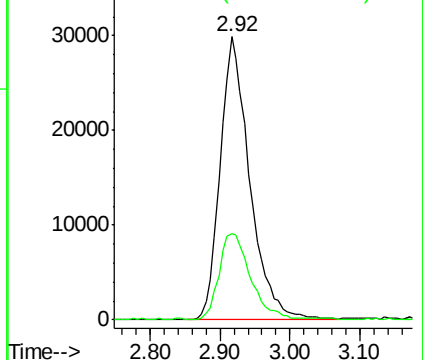
64 100

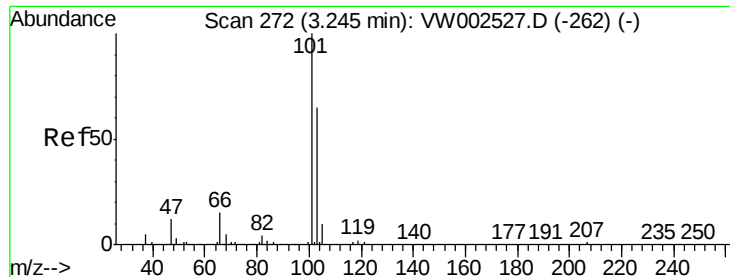
66 30.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



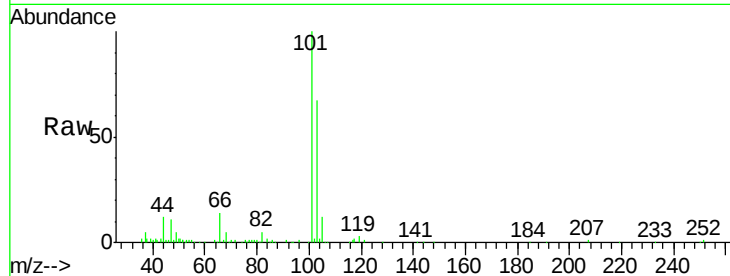


#7

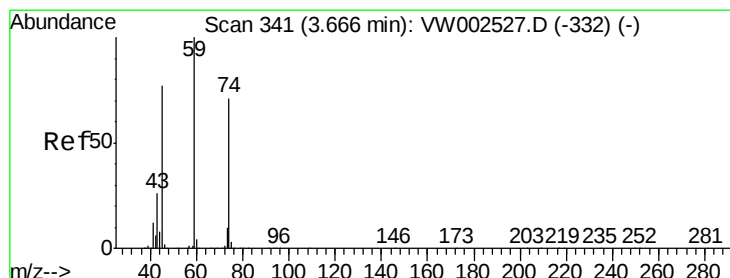
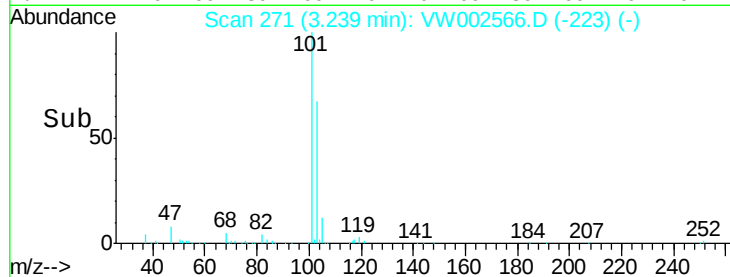
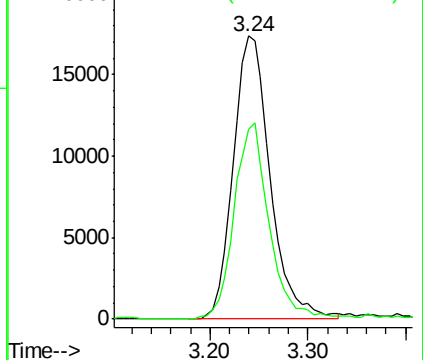
Trichlorofluoromethane
Concen: 43.08 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 45587
Ion Ratio Lower Upper
101 100
103 67.2 51.8 77.8



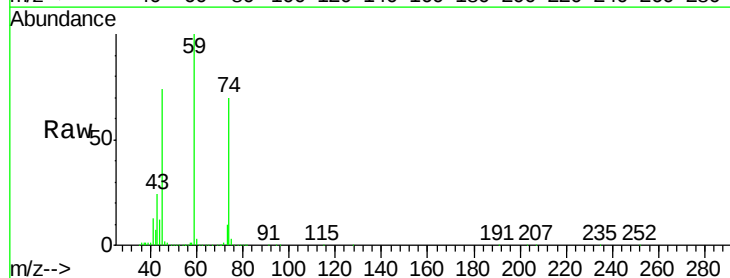
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



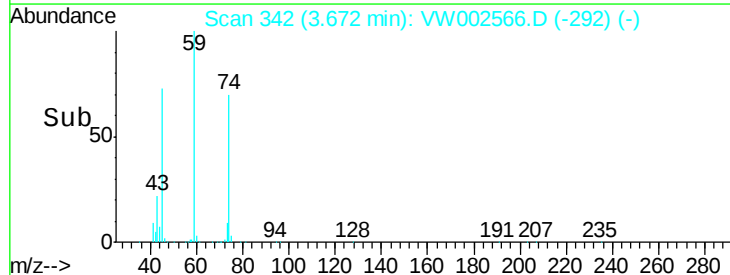
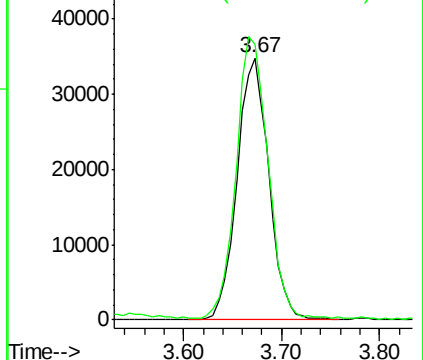
#8

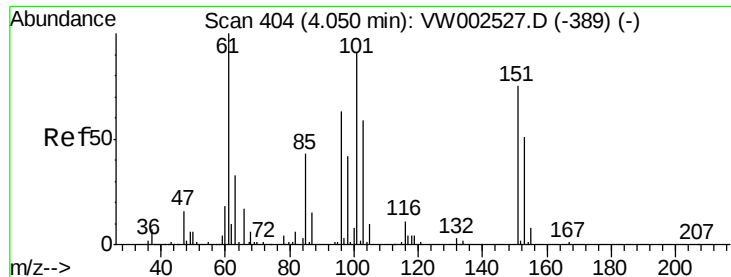
Diethyl Ether
Concen: 61.97 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 74 Resp: 78469
Ion Ratio Lower Upper
74 100
45 108.1 52.3 156.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.47 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

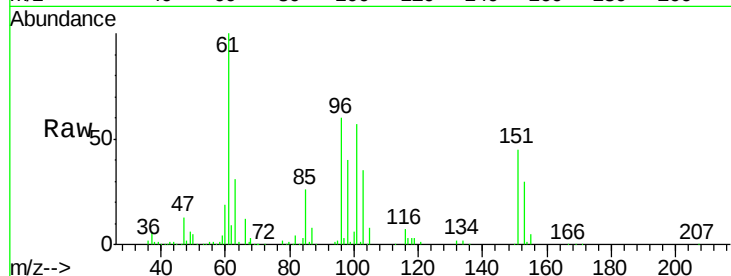
Tgt Ion:101 Resp: 90218

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

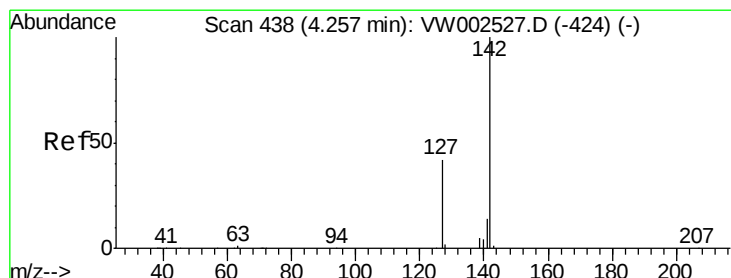
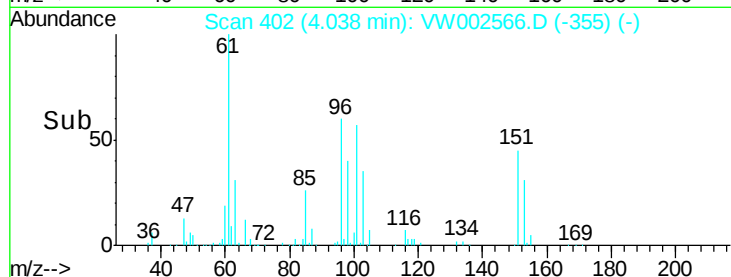
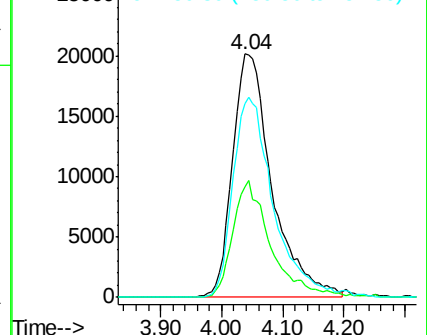
151 83.7 66.7 100.1



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: 52.00 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

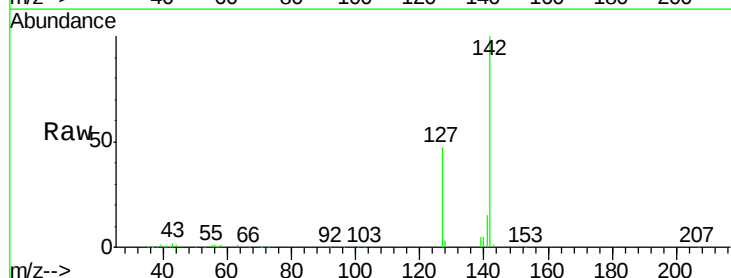
Tgt Ion:142 Resp: 145271

Ion Ratio Lower Upper

142 100

127 43.9 34.6 52.0

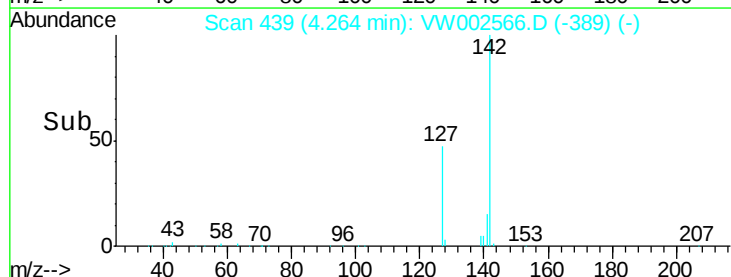
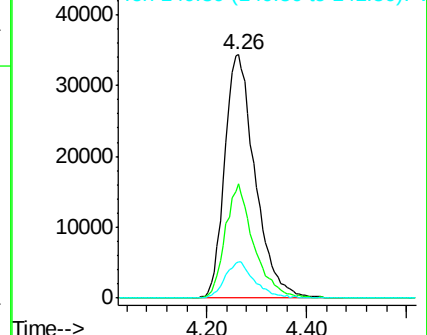
141 14.7 11.8 17.8

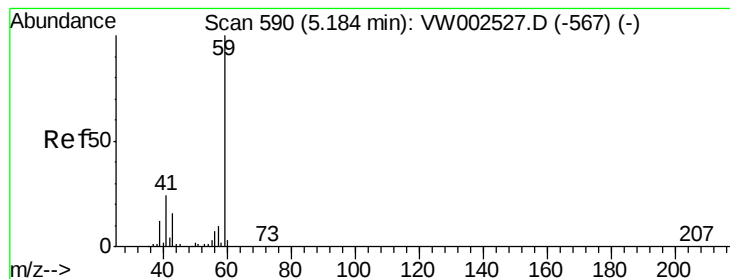


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 260.37 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

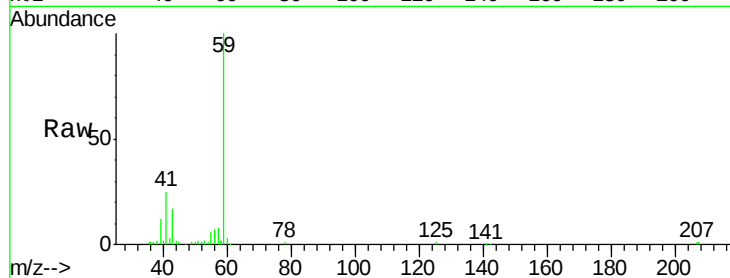
VSTDCCC050

Tgt Ion: 59 Resp: 42909

Ion Ratio Lower Upper

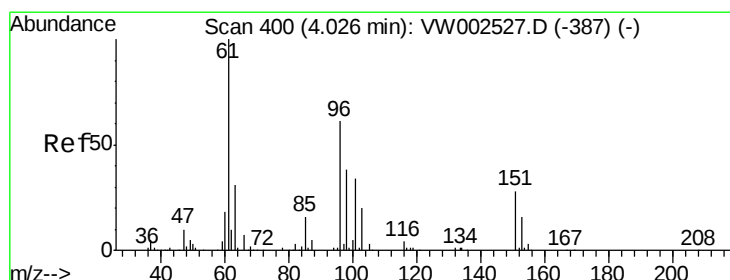
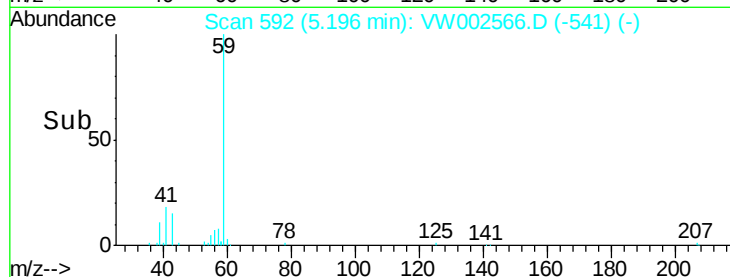
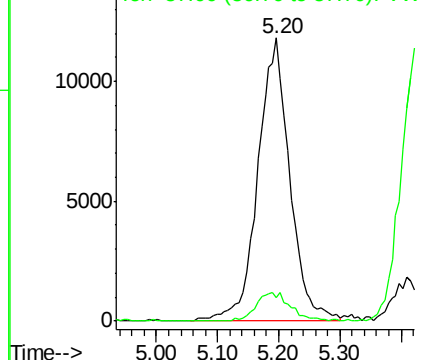
59 100

57 10.9 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 51.59 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

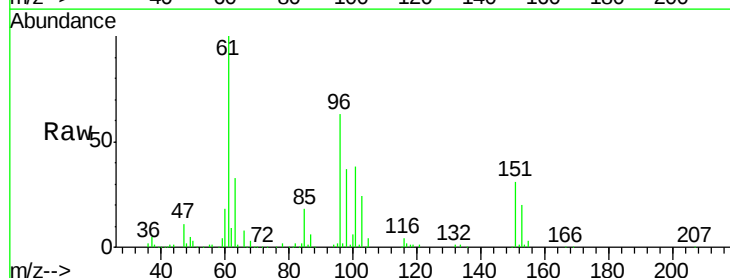
Tgt Ion: 96 Resp: 89515

Ion Ratio Lower Upper

96 100

61 158.9 132.2 198.2

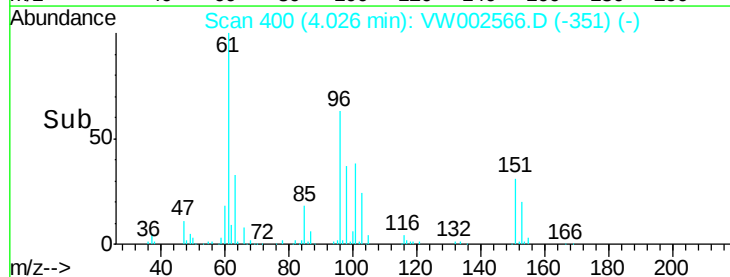
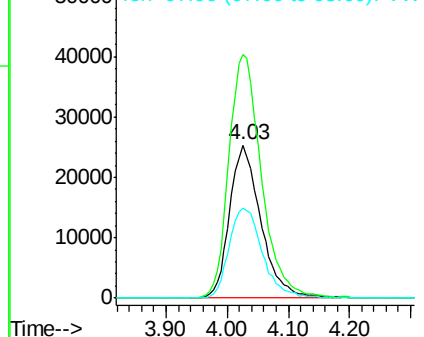
98 58.5 50.6 76.0

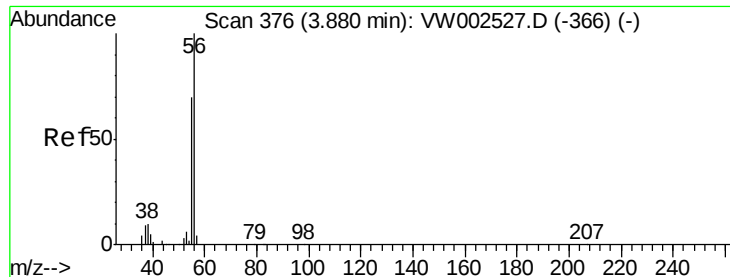


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 267.82 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

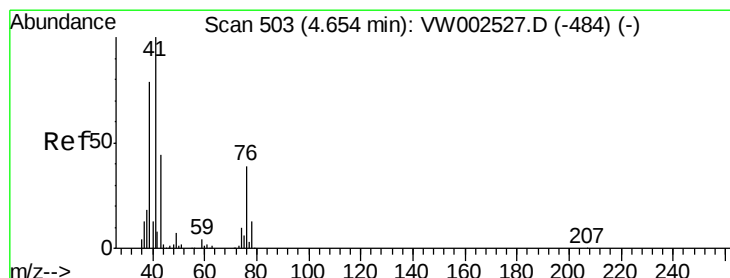
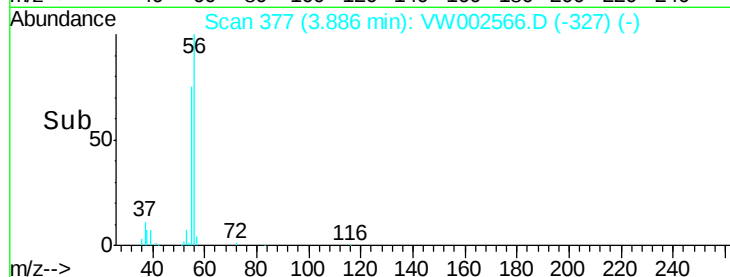
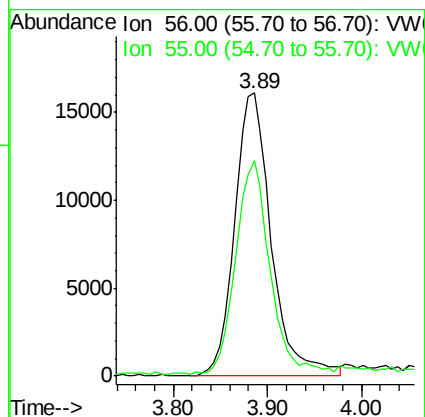
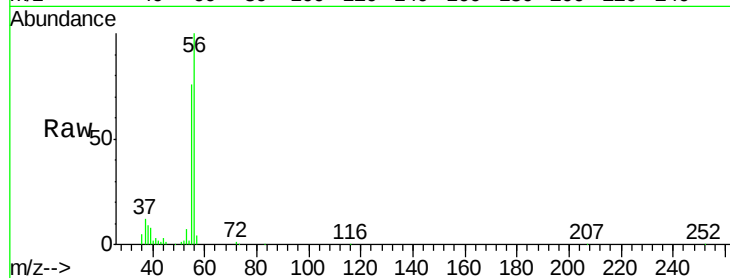
VSTDCCC050

Tgt Ion: 56 Resp: 43482

Ion Ratio Lower Upper

56 100

55 70.6 57.0 85.4



#14

Allyl chloride

Concen: 45.81 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

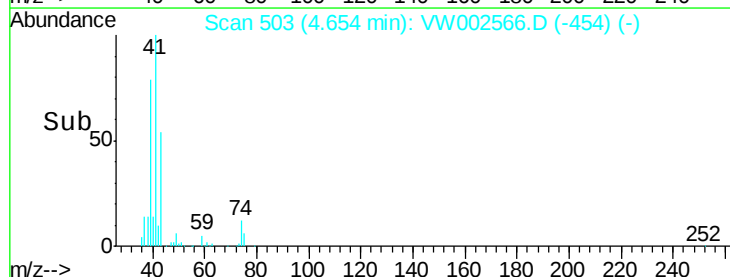
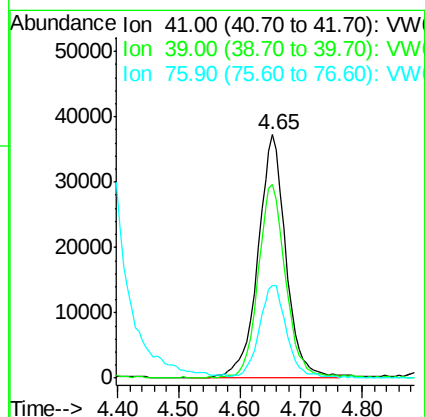
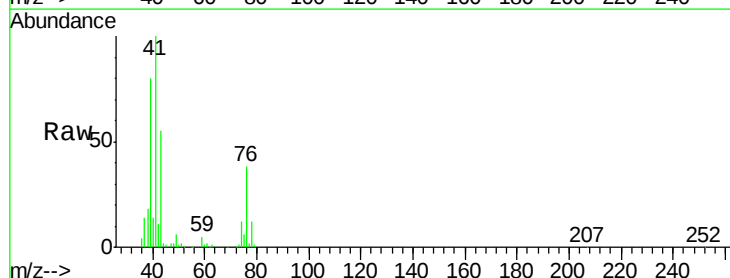
Tgt Ion: 41 Resp: 117956

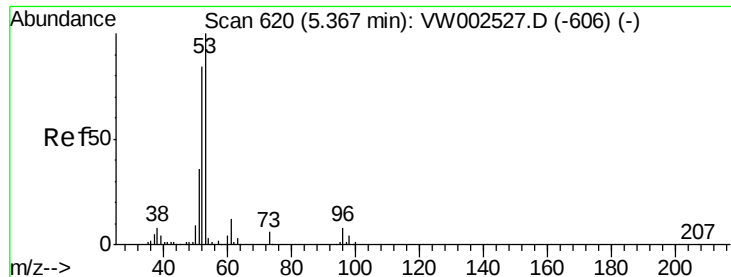
Ion Ratio Lower Upper

41 100

39 77.6 61.4 92.2

76 37.3 29.6 44.4





#15

Acrylonitrile

Concen: 282.29 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

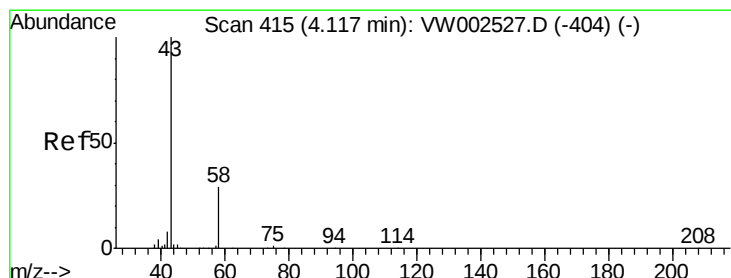
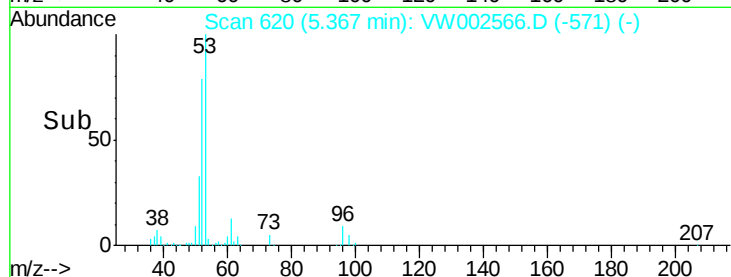
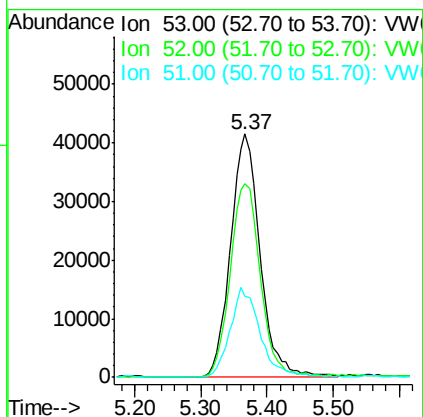
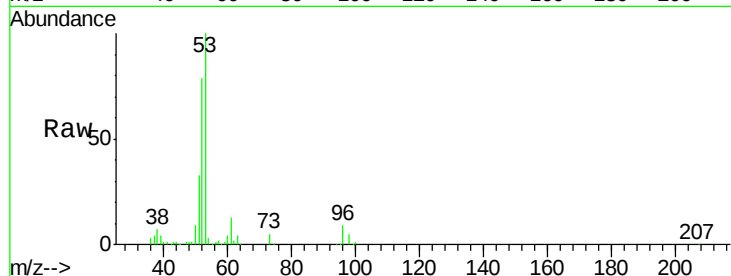
Tgt Ion: 53 Resp: 128901

Ion Ratio Lower Upper

53 100

52 81.3 66.6 100.0

51 37.7 30.6 46.0



#16

Acetone

Concen: 240.80 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002566.D

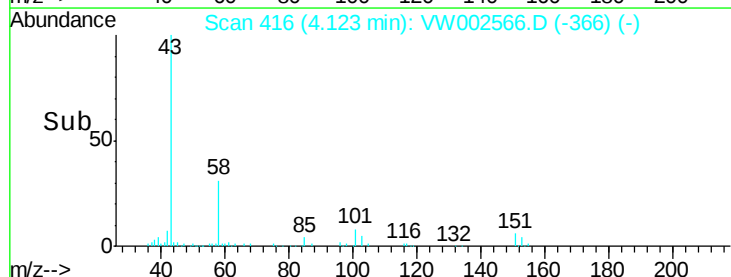
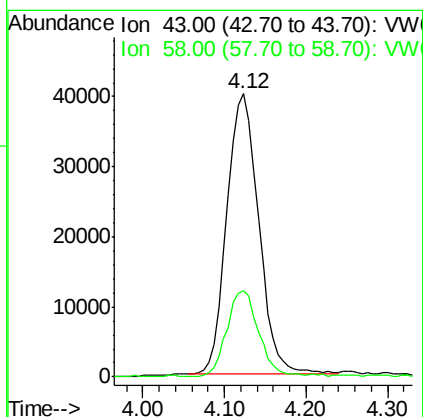
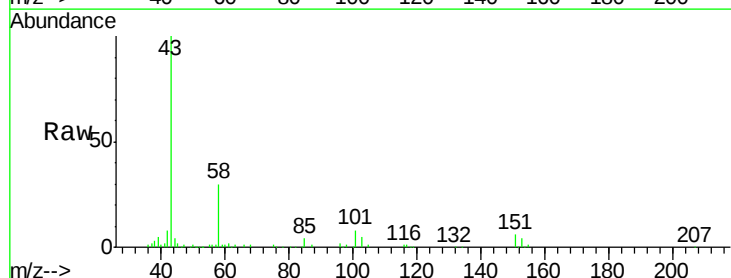
Acq: 15 May 2018 23:16

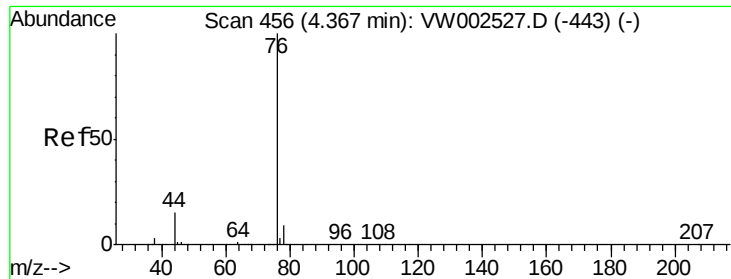
Tgt Ion: 43 Resp: 108990

Ion Ratio Lower Upper

43 100

58 30.2 23.4 35.0





#17

Carbon Disulfide

Concen: 48.98 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

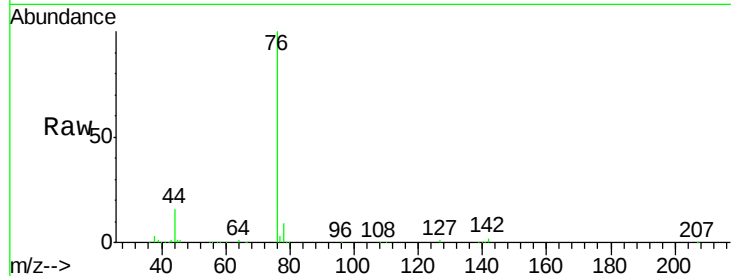
VSTDCCC050

Tgt Ion: 76 Resp: 233859

Ion Ratio Lower Upper

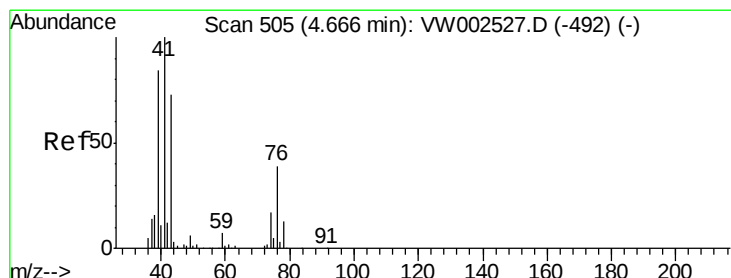
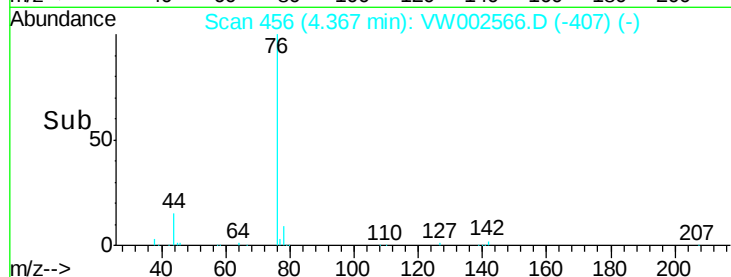
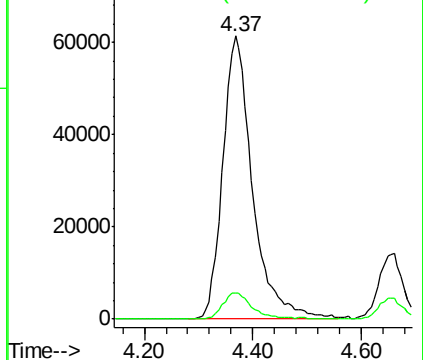
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 58.35 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002566.D

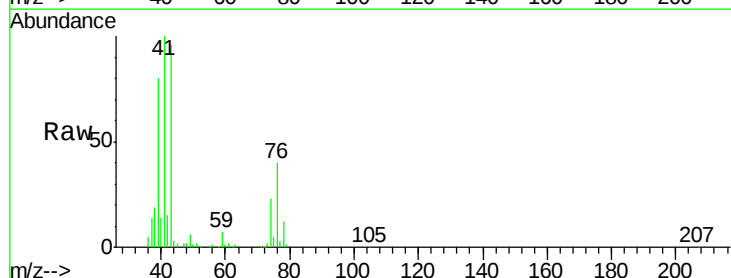
Acq: 15 May 2018 23:16

Tgt Ion: 43 Resp: 76992

Ion Ratio Lower Upper

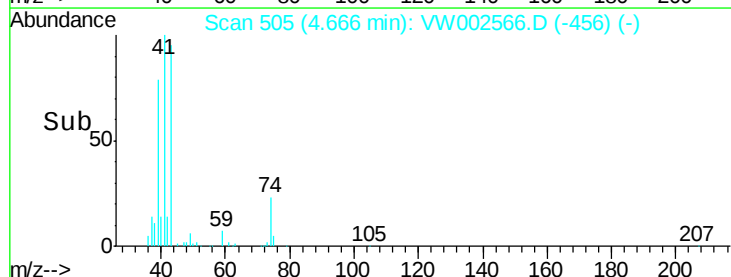
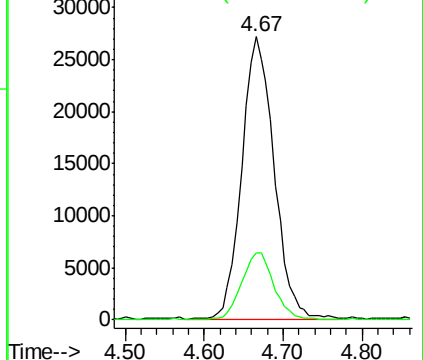
43 100

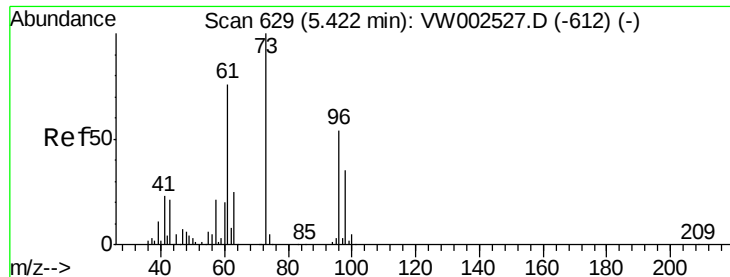
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

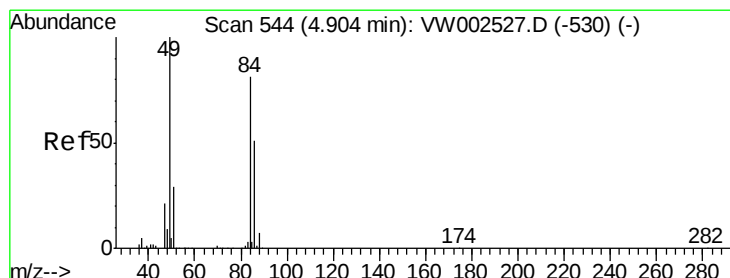
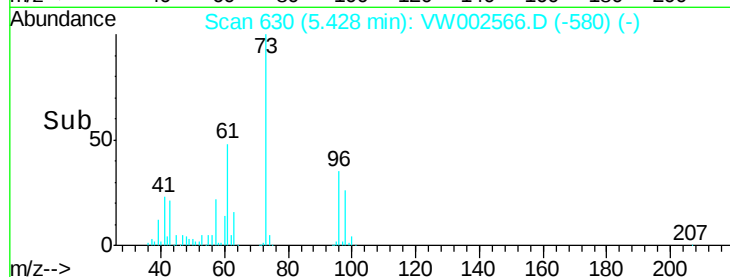
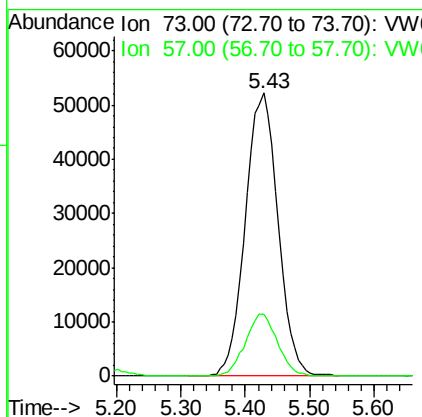
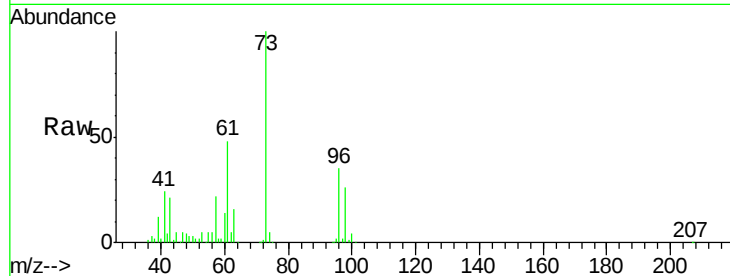




#19
Methyl tert-butyl Ether
Concen: 57.24 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

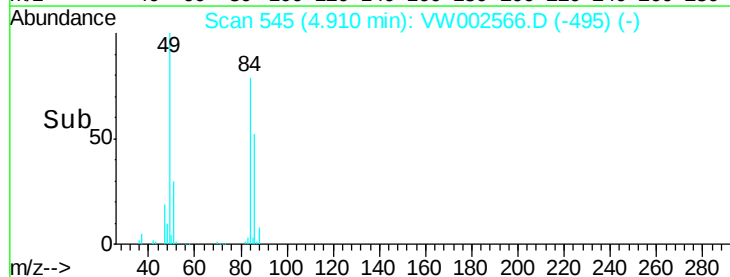
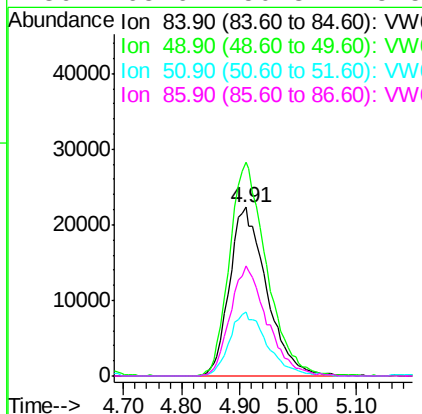
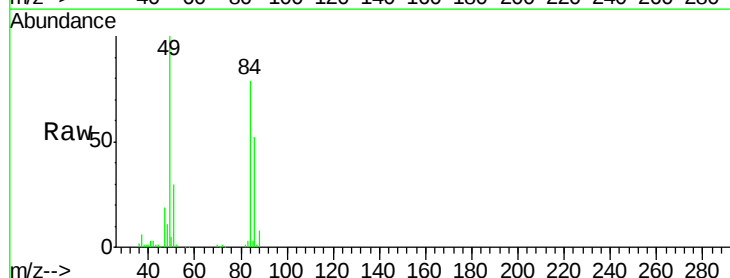
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

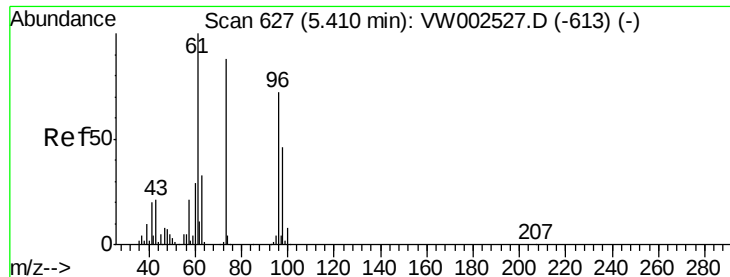
Tgt Ion: 73 Resp: 182500
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6



#20
Methylene Chloride
Concen: 54.91 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 84 Resp: 98389
Ion Ratio Lower Upper
84 100
49 126.8 99.4 149.0
51 38.1 29.0 43.6
86 65.6 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.80 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

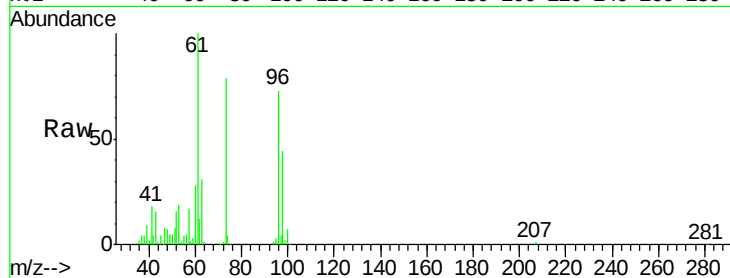
Tgt Ion: 96 Resp: 97165

Ion Ratio Lower Upper

96 100

61 137.5 111.6 167.4

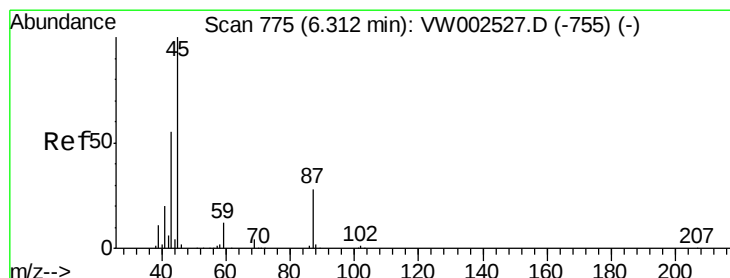
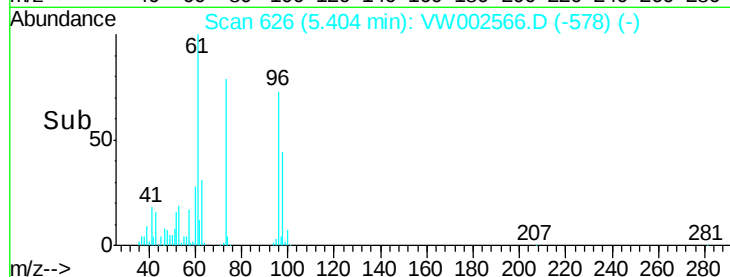
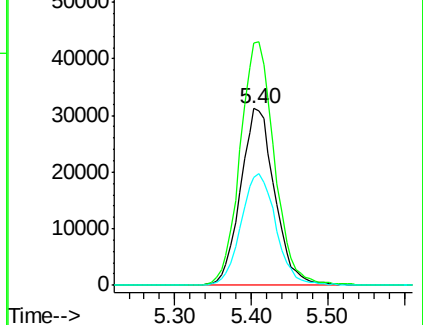
98 61.1 51.7 77.5



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: 53.30 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion: 45 Resp: 304048

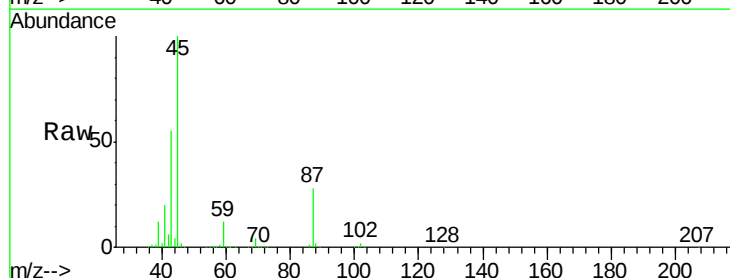
Ion Ratio Lower Upper

45 100

43 55.4 44.4 66.6

87 28.4 23.0 34.4

59 12.4 9.4 14.2

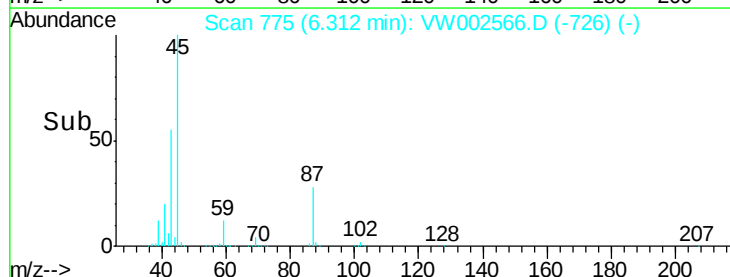
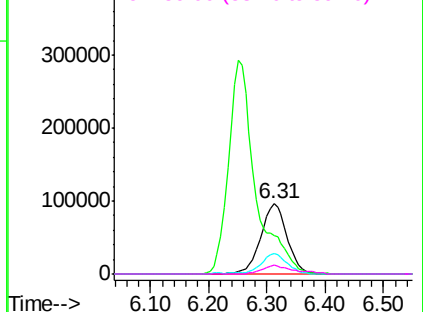


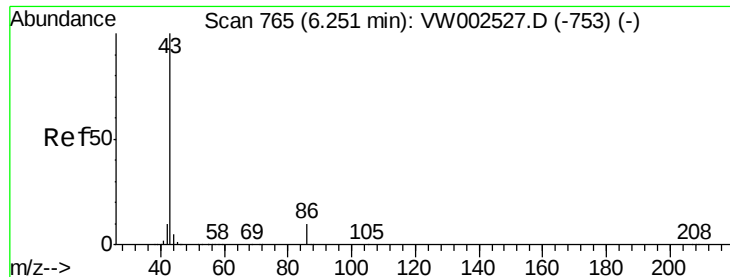
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 273.35 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

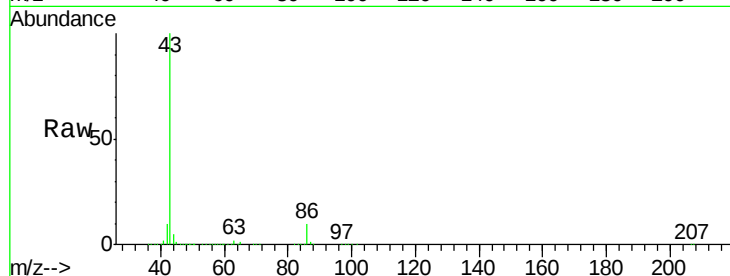
VSTDCCC050

Tgt Ion: 43 Resp: 944956

Ion Ratio Lower Upper

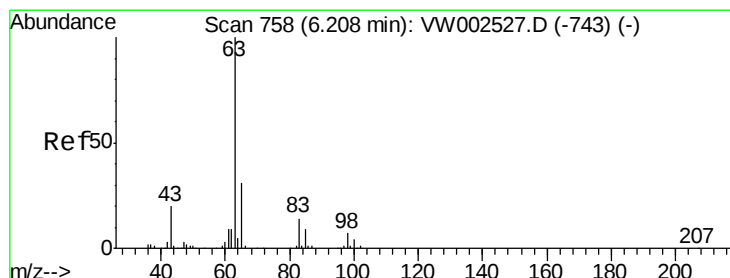
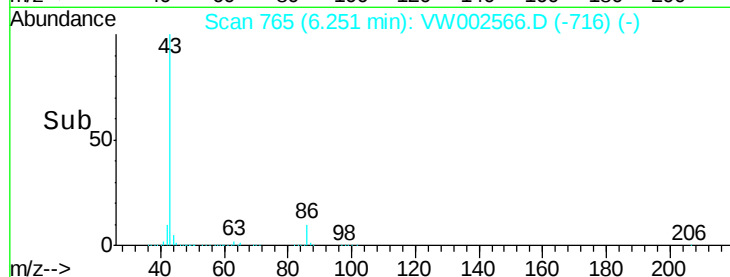
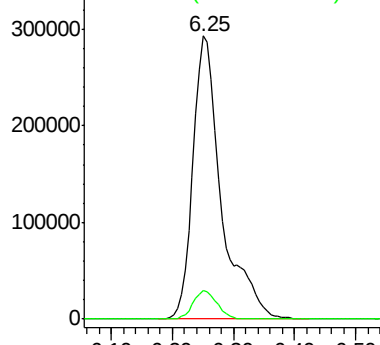
43 100

86 10.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.75 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

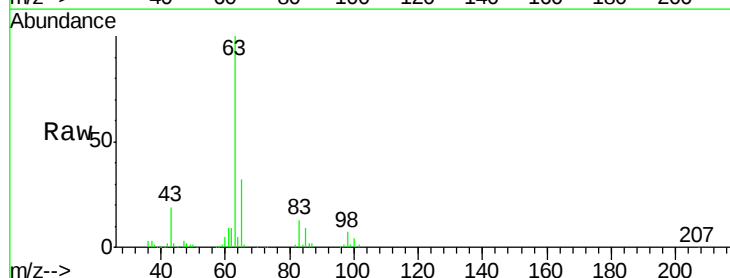
Tgt Ion: 63 Resp: 181356

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

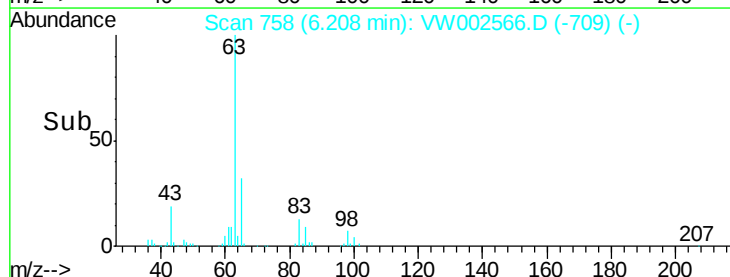
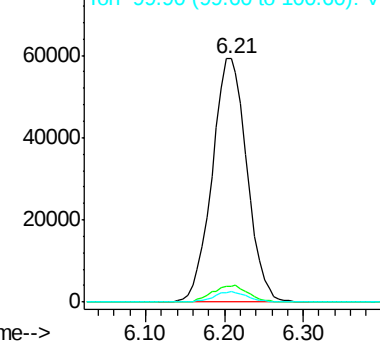
100 4.2 2.1 6.5

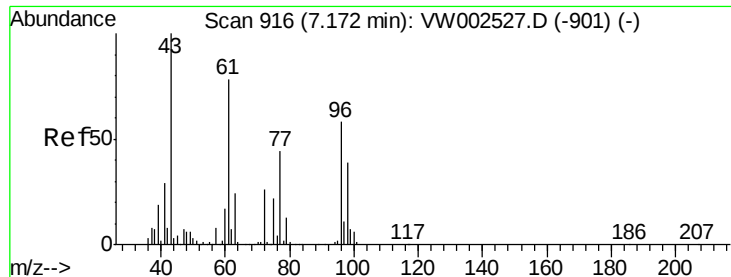


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 282.71 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

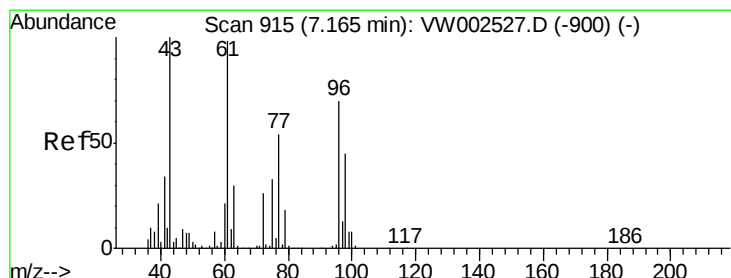
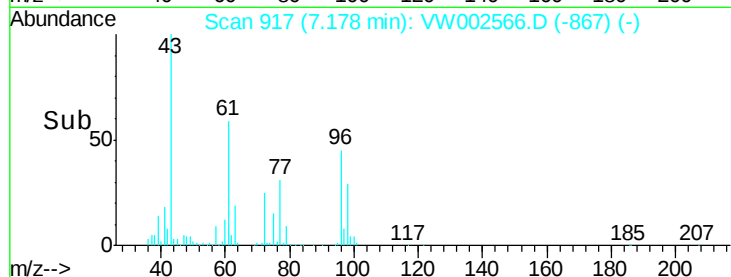
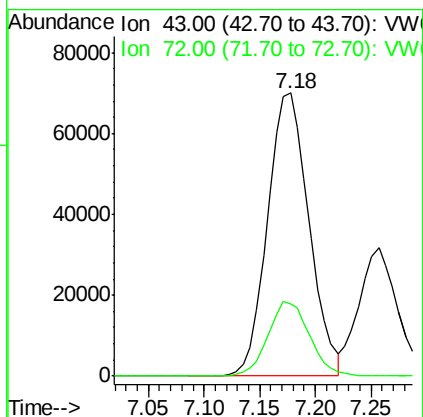
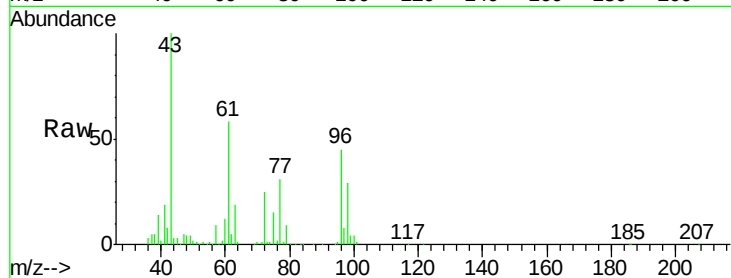
VSTDCCC050

Tgt Ion: 43 Resp: 180947

Ion Ratio Lower Upper

43 100

72 25.5 20.9 31.3



#26

2,2-Dichloropropane

Concen: 43.62 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002566.D

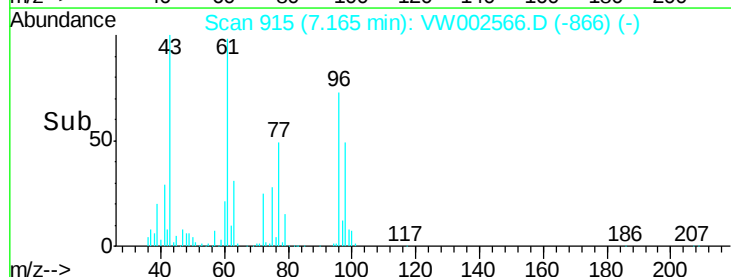
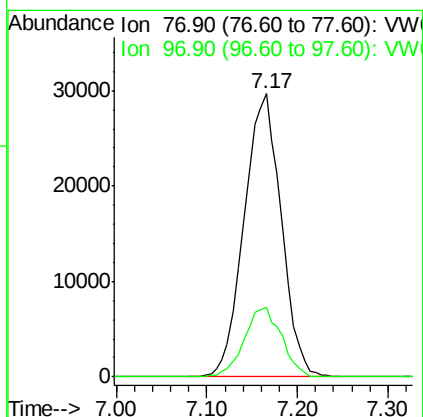
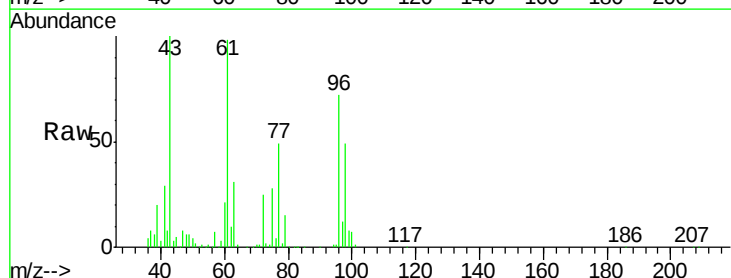
Acq: 15 May 2018 23:16

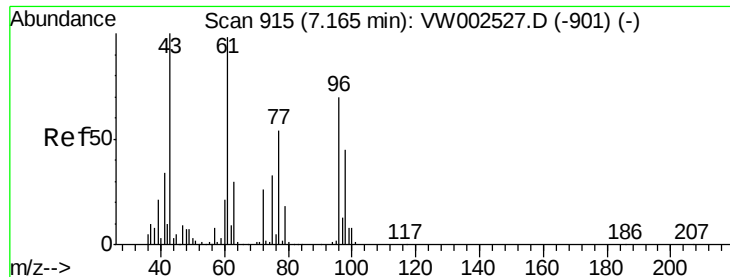
Tgt Ion: 77 Resp: 84028

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 52.72 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

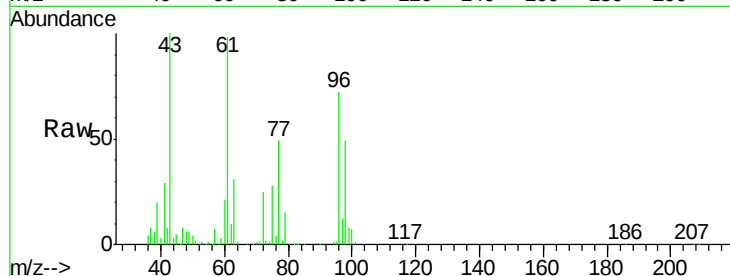
Tgt Ion: 96 Resp: 112826

Ion Ratio Lower Upper

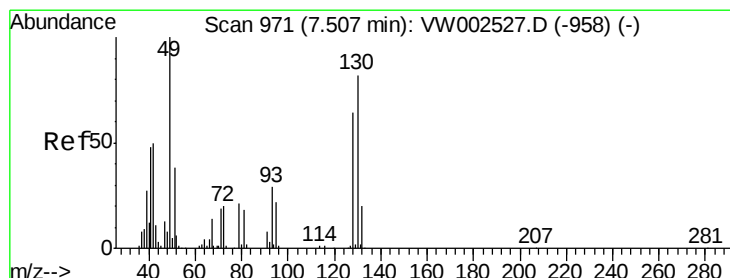
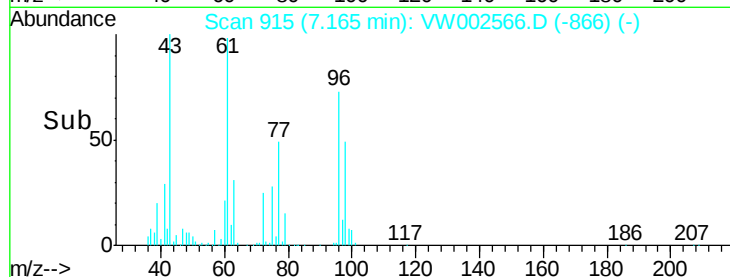
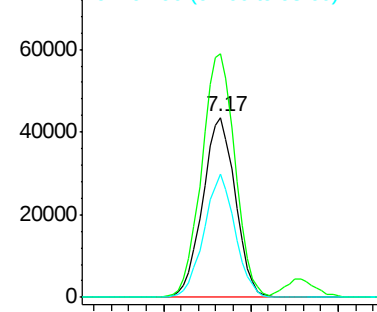
96 100

61 138.3 0.0 281.6

98 65.2 0.0 130.8



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



#28

Bromochloromethane

Concen: 52.90 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

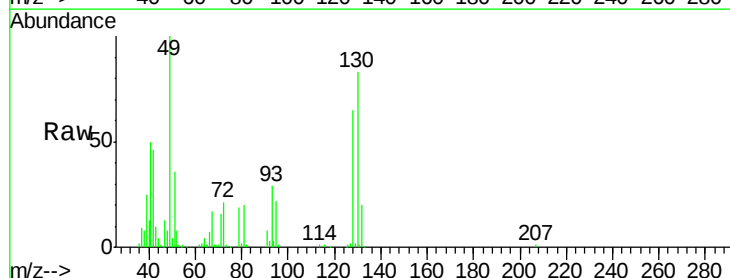
Tgt Ion: 49 Resp: 81171

Ion Ratio Lower Upper

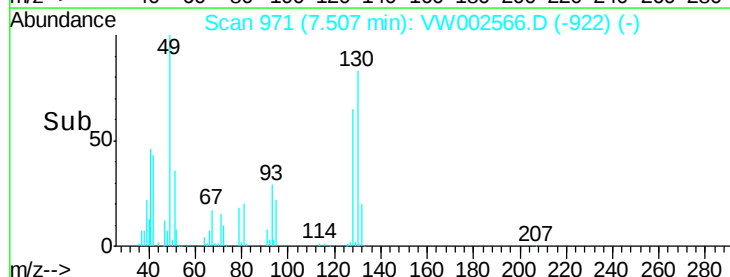
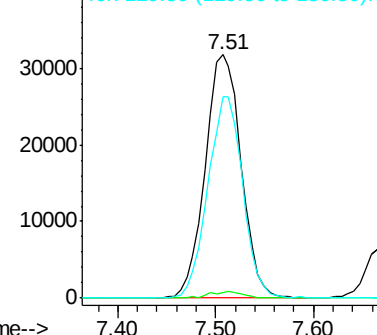
49 100

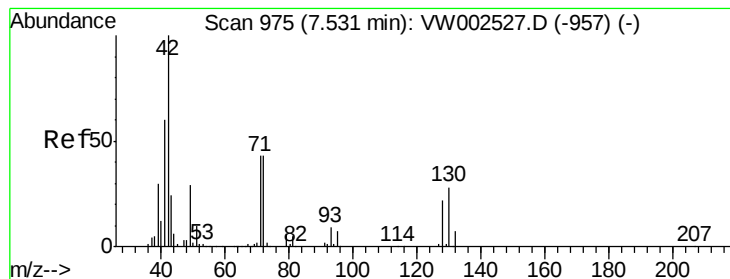
129 2.4 0.0 4.4

130 80.4 64.7 97.1



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: 290.90 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

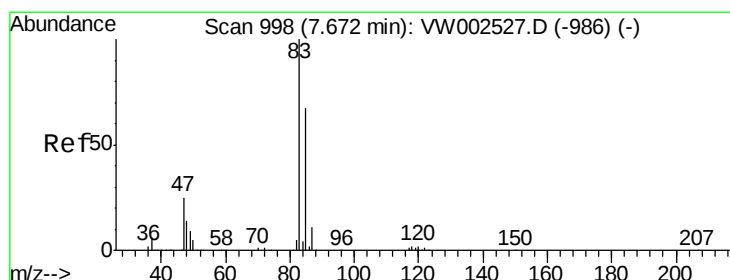
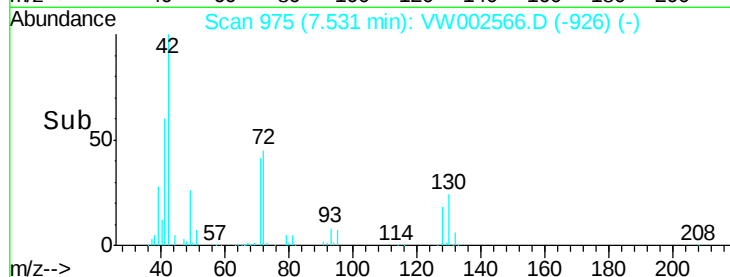
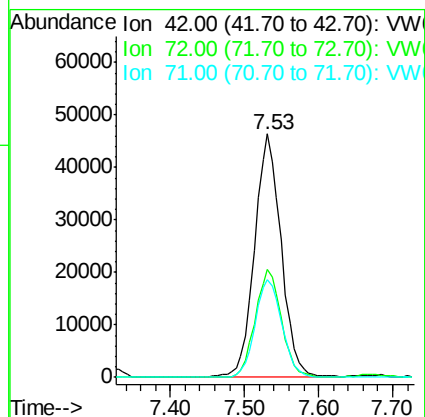
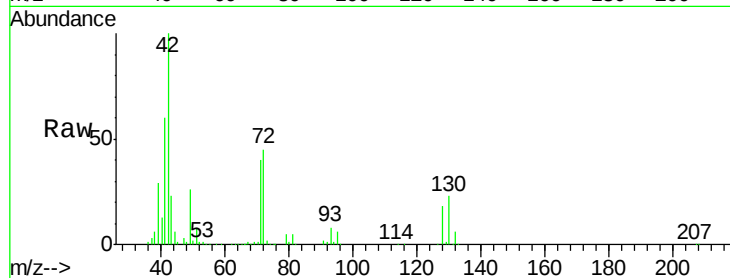
Tgt Ion: 42 Resp: 116309

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

71 40.5 33.0 49.6



#30

Chloroform

Concen: 53.28 ug/l

RT: 7.67 min Scan# 998

Delta R.T. 0.00 min

Lab File: VW002566.D

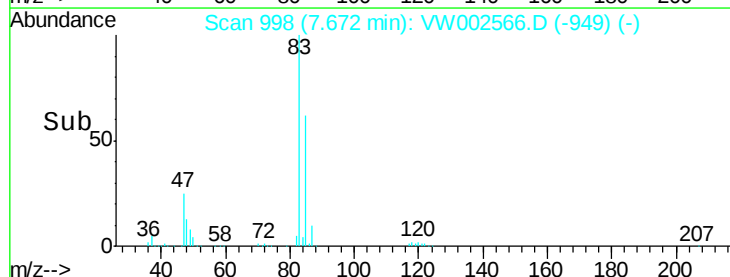
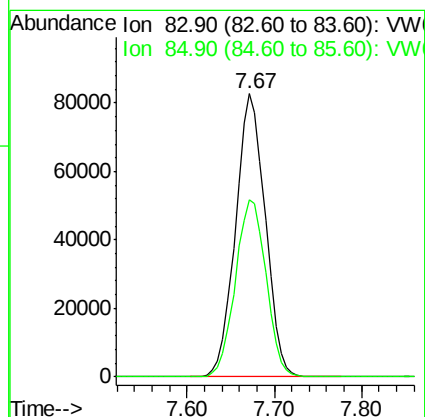
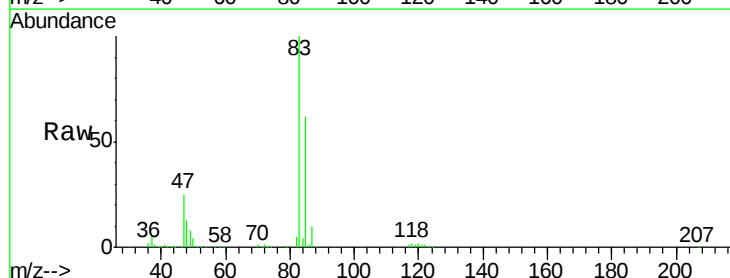
Acq: 15 May 2018 23:16

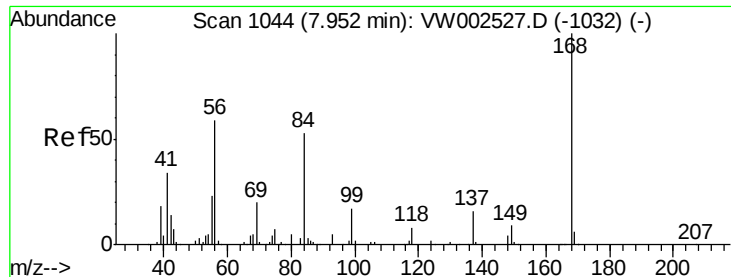
Tgt Ion: 83 Resp: 195576

Ion Ratio Lower Upper

83 100

85 62.5 53.9 80.9

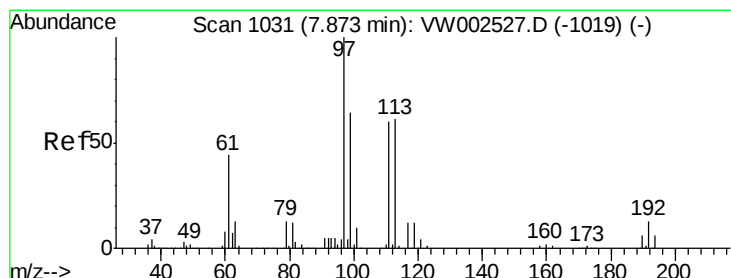
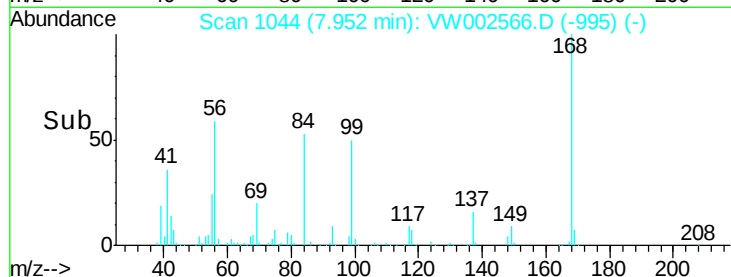
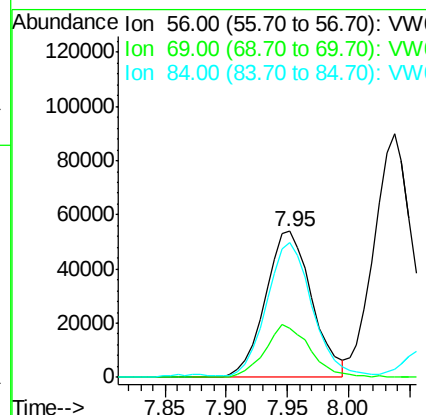
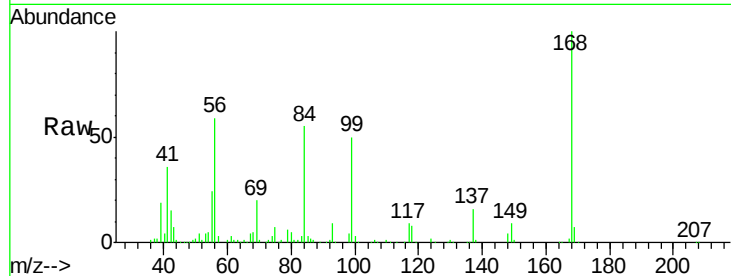




#31
Cyclohexane
Concen: 46.96 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

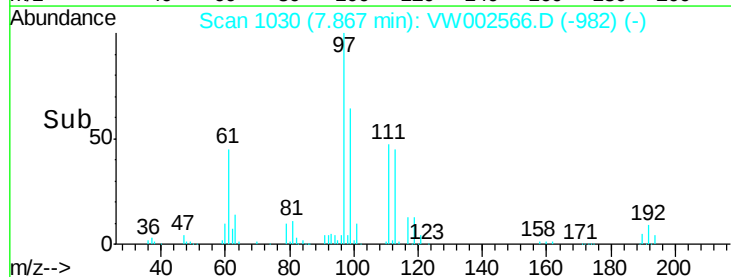
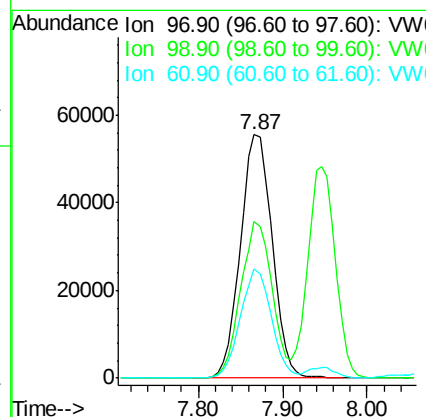
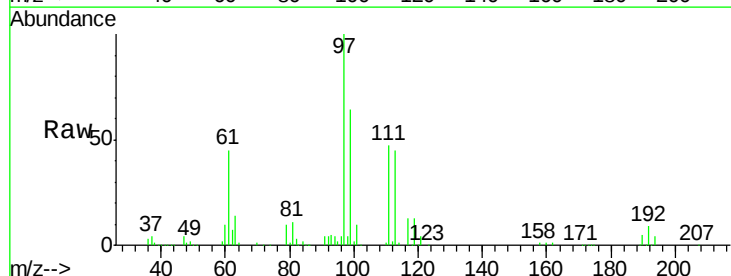
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

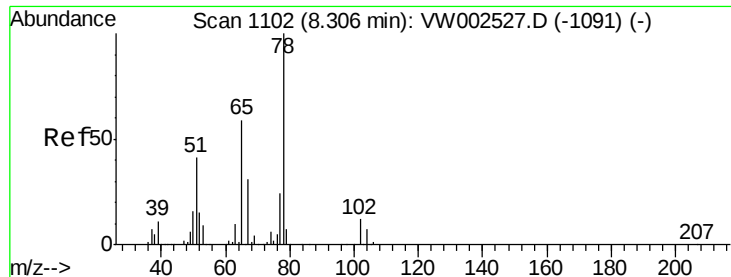
Tgt Ion: 56 Resp: 143018
Ion Ratio Lower Upper
56 100
69 33.7 27.0 40.4
84 91.0 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 51.05 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 97 Resp: 141352
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 44.0 35.9 53.9

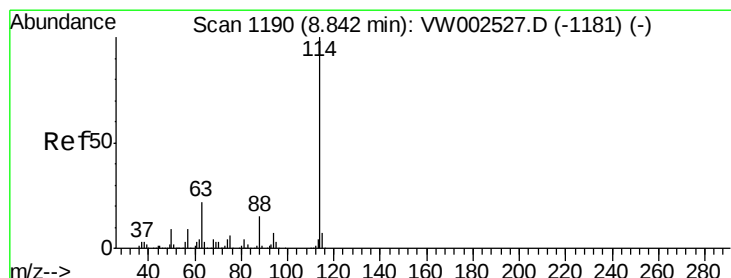
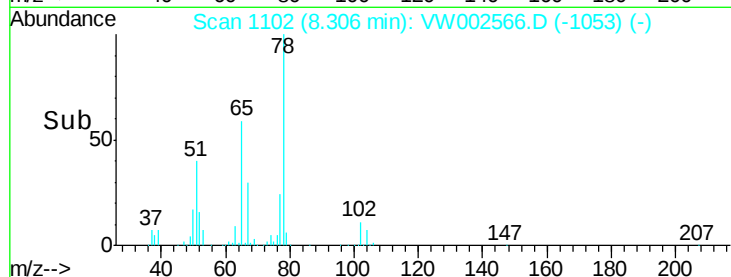
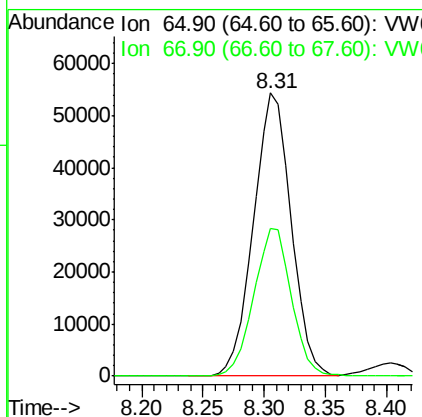
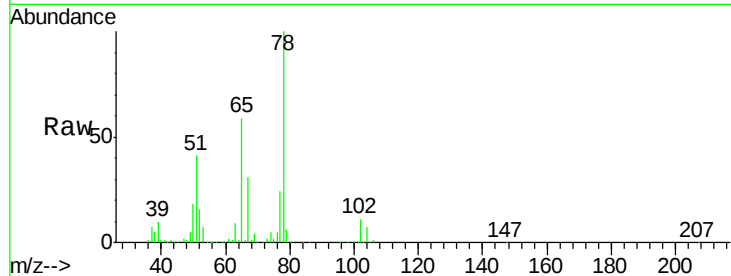




#33
 1,2-Dichloroethane-d4
 Concen: 54.43 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

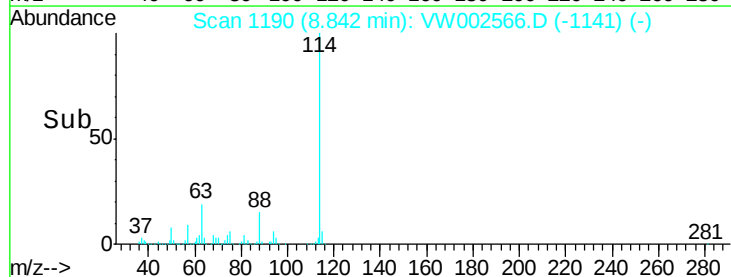
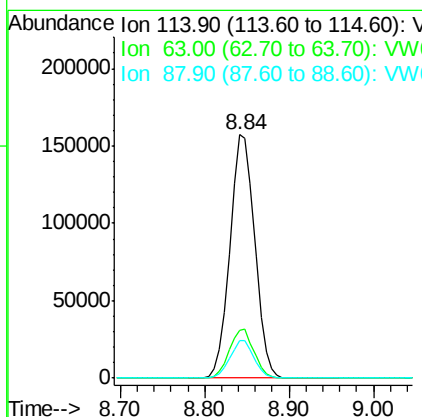
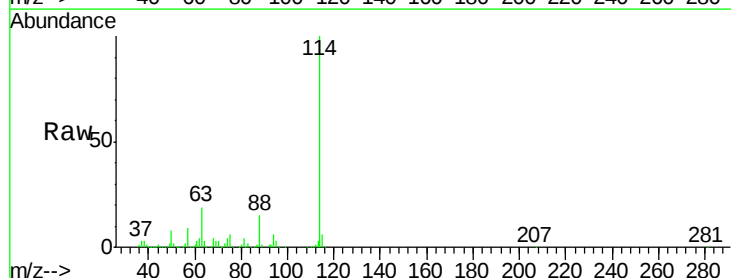
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

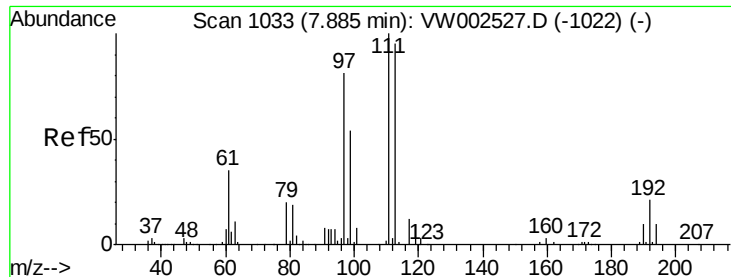
Tgt Ion: 65 Resp: 116699
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 114 Resp: 313949
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.2
 88 15.4 0.0 29.2

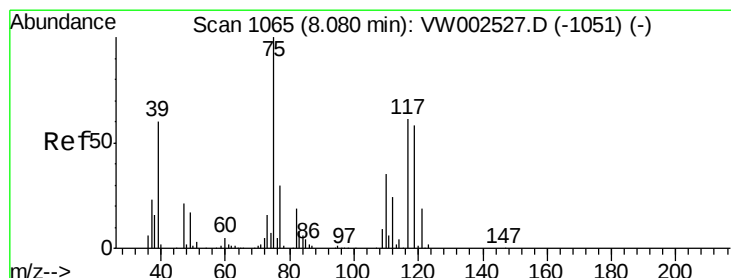
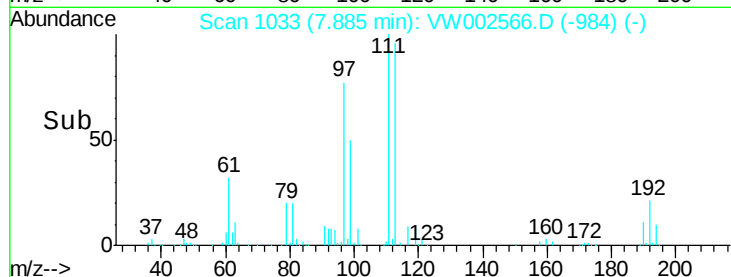
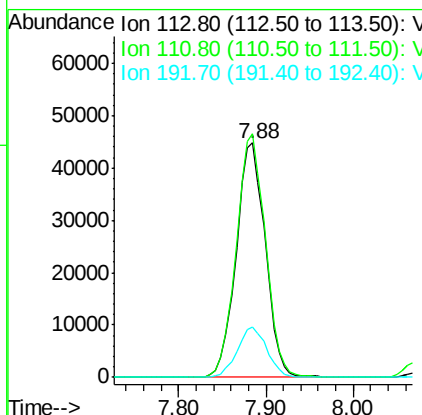
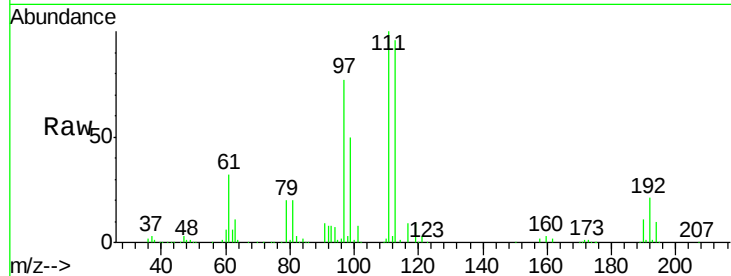




#35
 Dibromofluoromethane
 Concen: 52.24 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

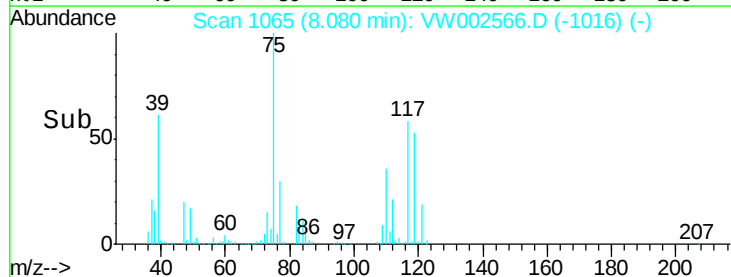
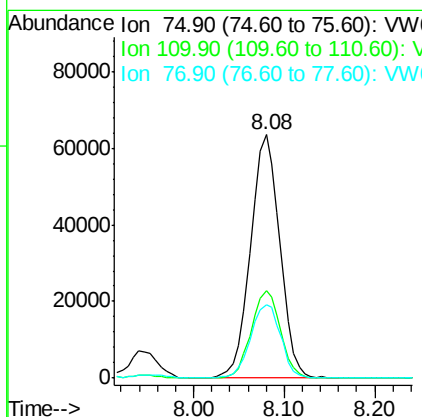
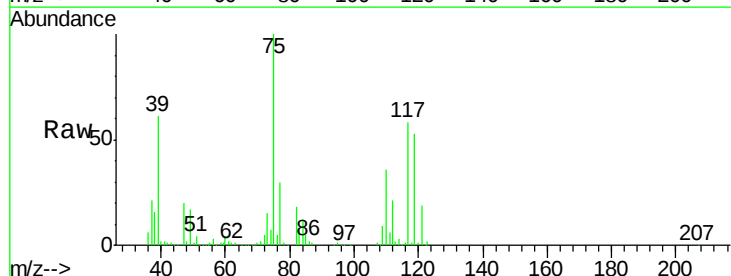
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

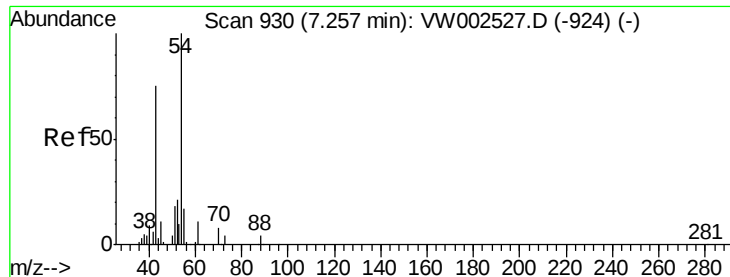
Tgt Ion:113 Resp: 104042
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 21.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 51.28 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 75 Resp: 142055
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.8 53.5
 77 31.3 24.5 36.7

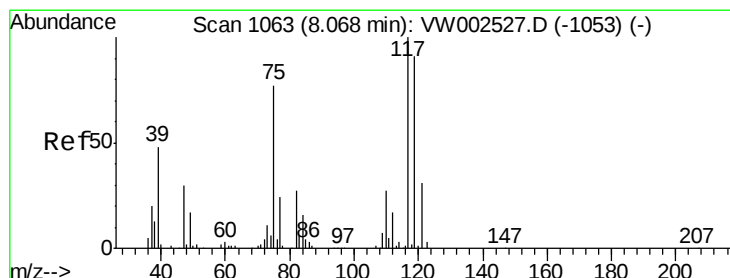
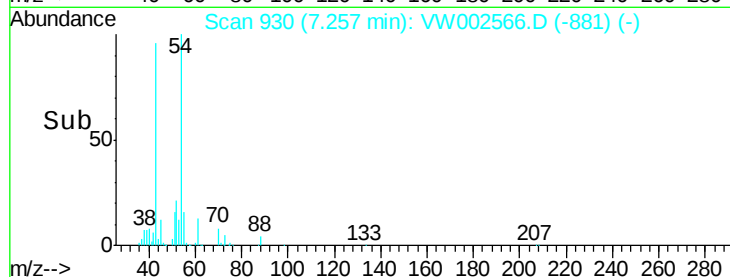
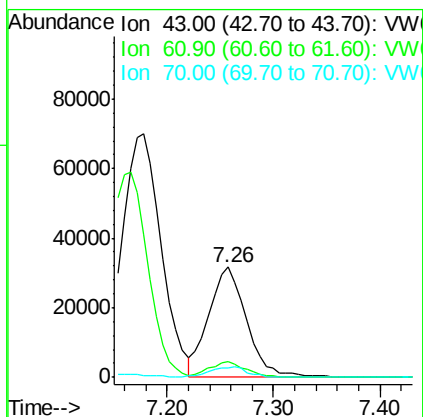
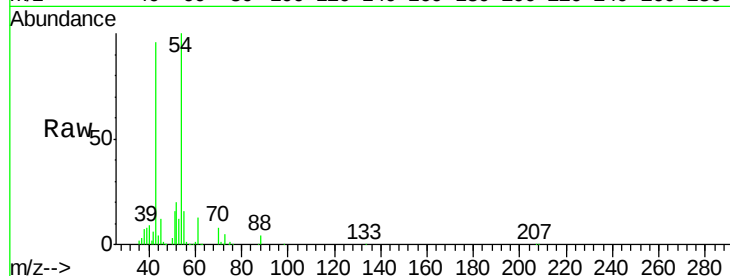




#37
Ethyl Acetate
Concen: 56.37 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

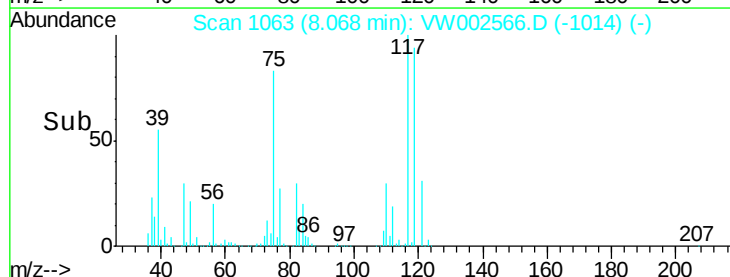
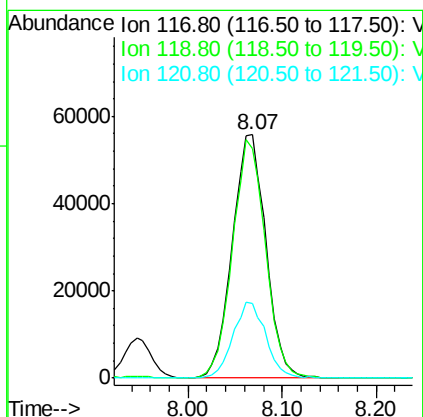
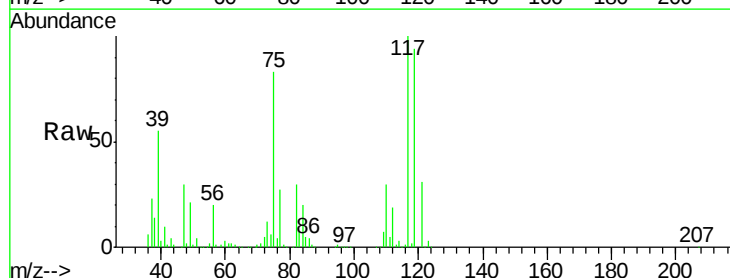
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

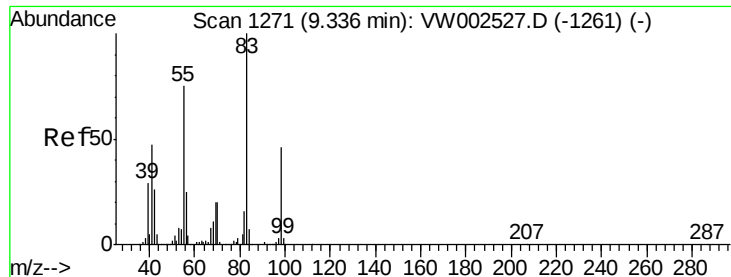
Tgt Ion: 43 Resp: 77451
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 9.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 51.09 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 117 Resp: 138585
Ion Ratio Lower Upper
117 100
119 94.1 73.1 109.7
121 30.8 24.4 36.6

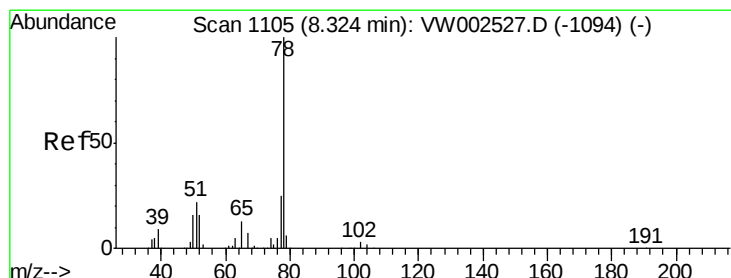
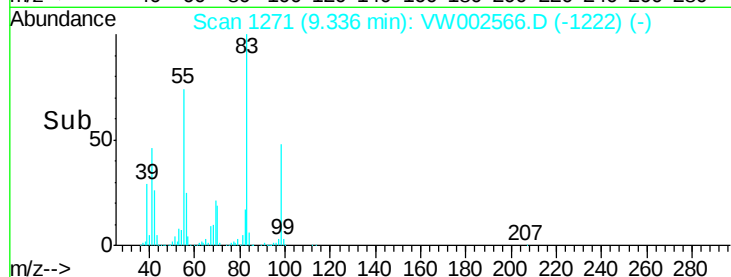
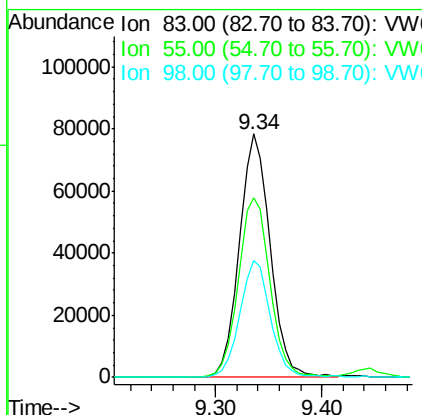
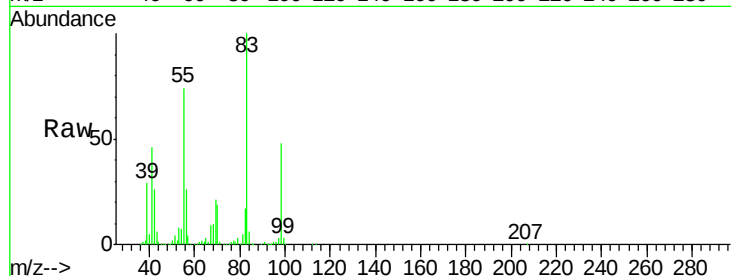




#39
Methylcyclohexane
Concen: 50.32 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

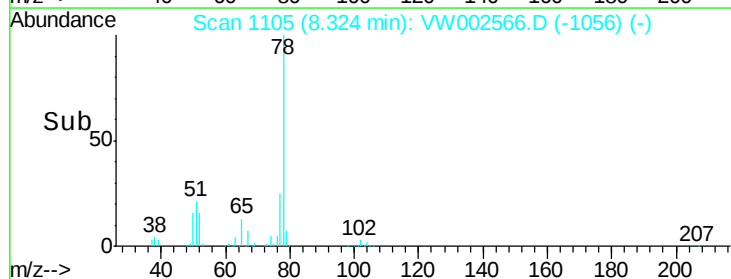
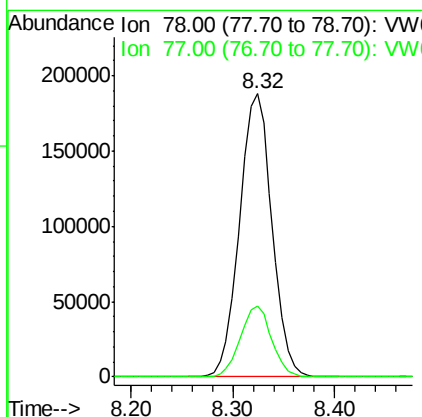
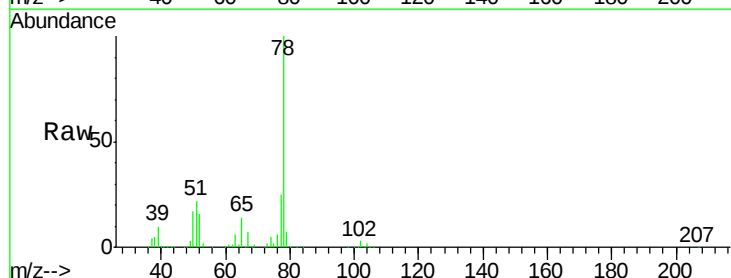
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

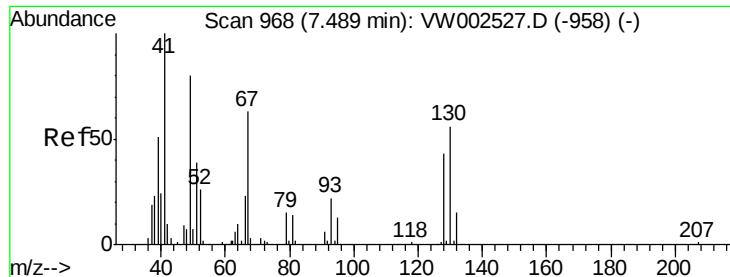
Tgt Ion: 83 Resp: 159682
Ion Ratio Lower Upper
83 100
55 73.9 60.0 90.0
98 48.2 37.0 55.4



#40
Benzene
Concen: 52.06 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 78 Resp: 414137
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

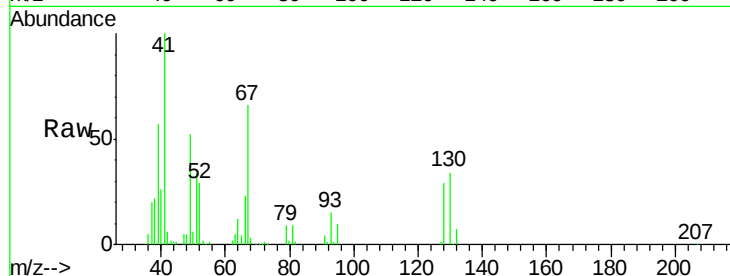




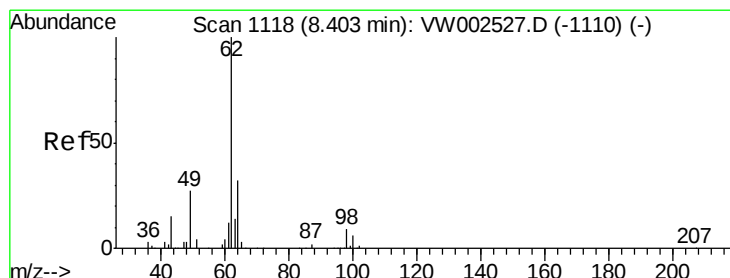
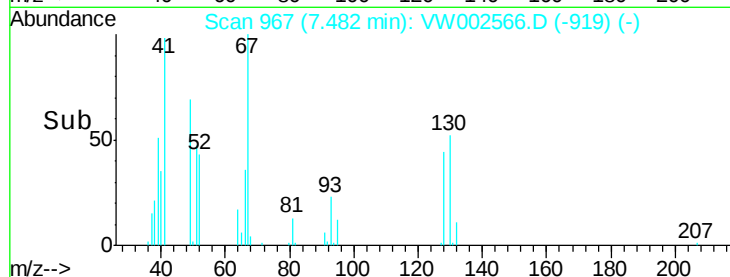
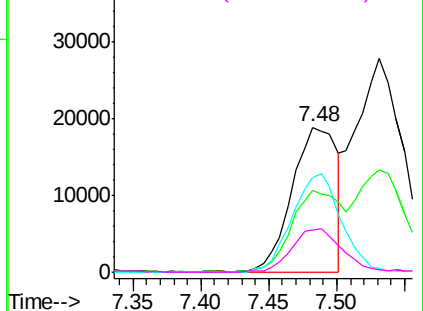
#41
Methacrylonitrile
Concen: 56.37 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	43352
Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.8	77.8
67	74.5	59.9	89.9
52	34.3	26.6	39.8

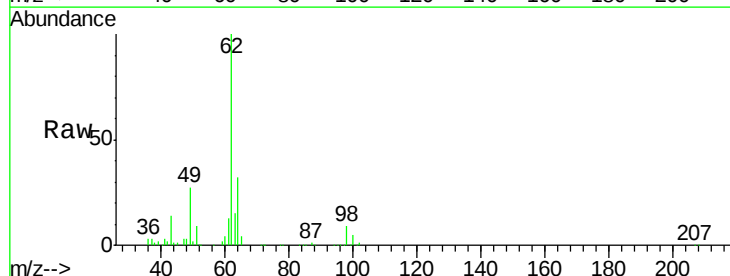


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

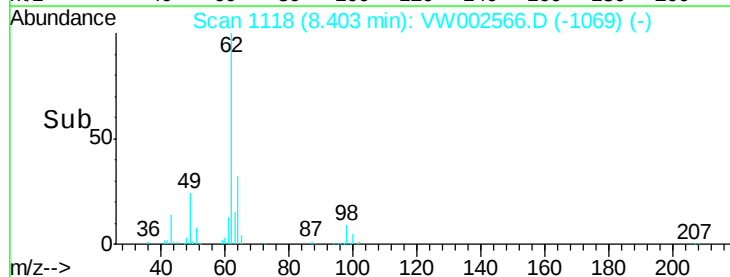
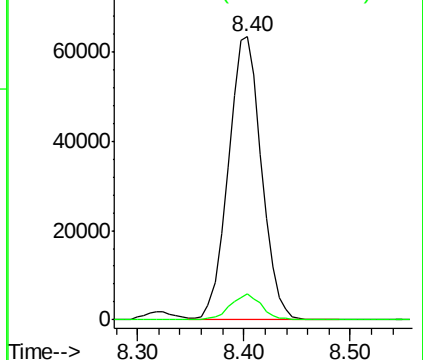


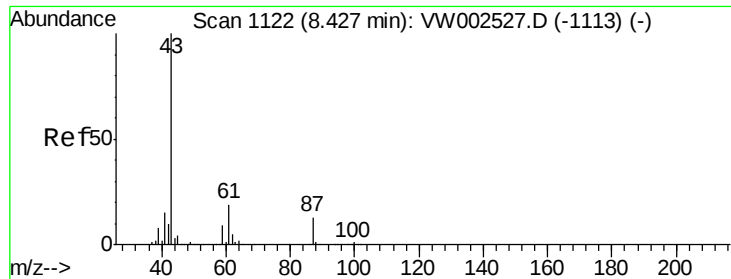
#42
1,2-Dichloroethane
Concen: 54.60 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion:	62	Resp:	137923
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 55.68 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

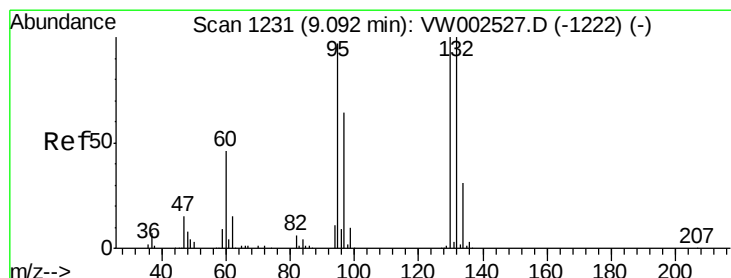
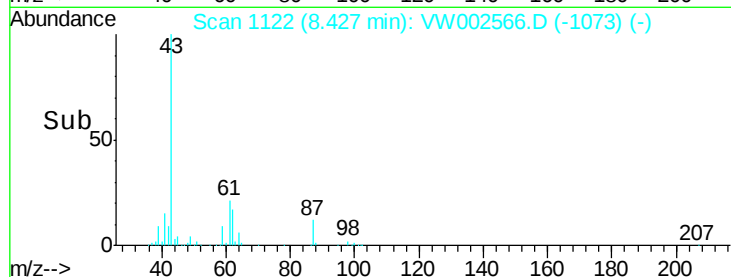
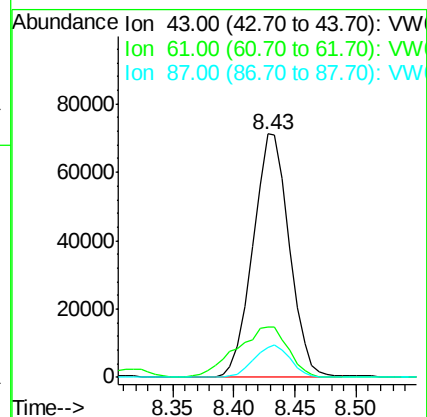
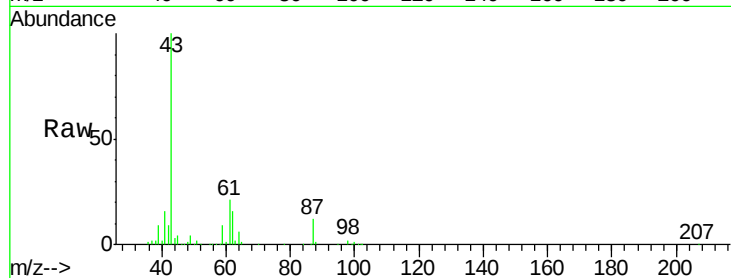
Tgt Ion: 43 Resp: 147157

Ion Ratio Lower Upper

43 100

61 29.6 23.0 34.6

87 13.3 10.6 15.8



#44

Trichloroethene

Concen: 51.95 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002566.D

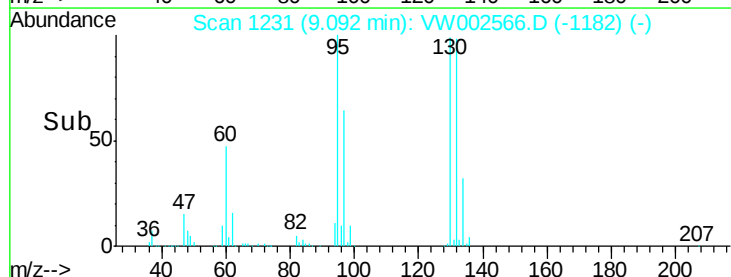
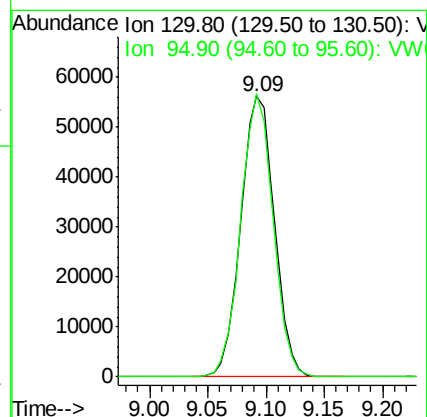
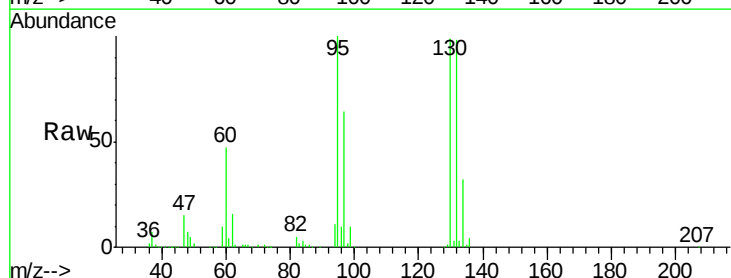
Acq: 15 May 2018 23:16

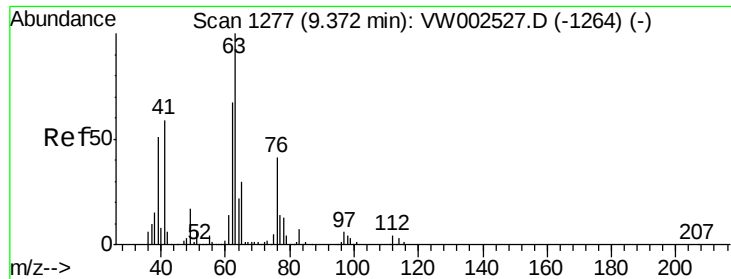
Tgt Ion: 130 Resp: 113244

Ion Ratio Lower Upper

130 100

95 100.8 0.0 194.6

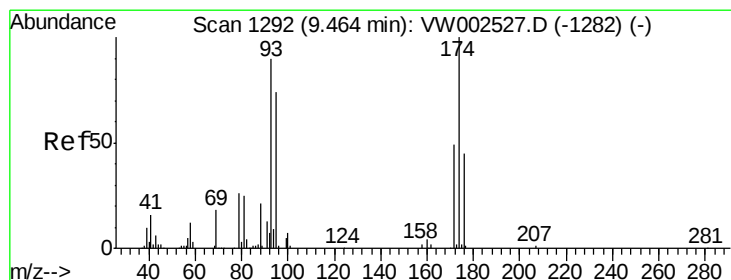
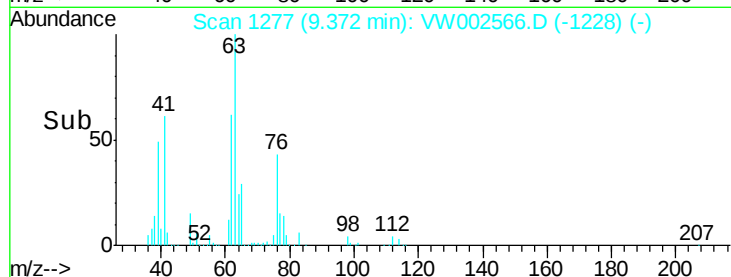
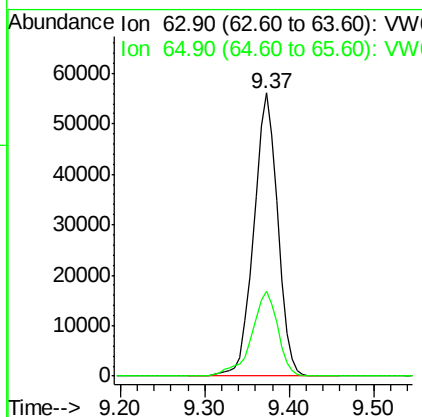
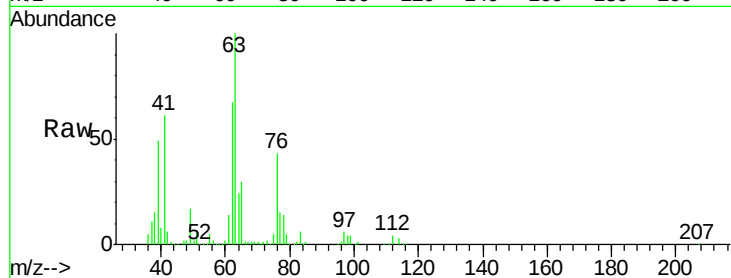




#45
 1,2-Dichloropropane
 Concen: 53.36 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

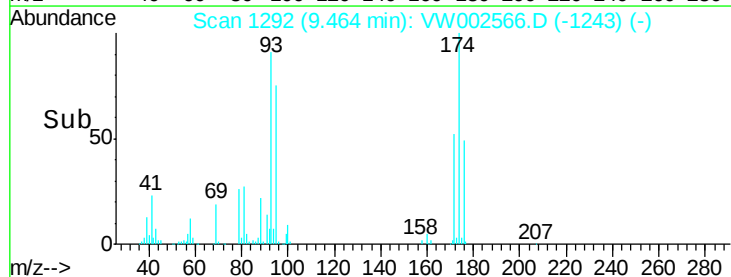
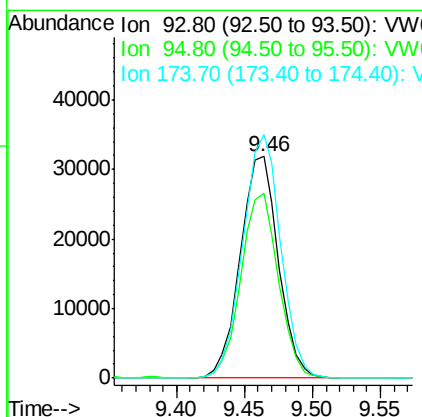
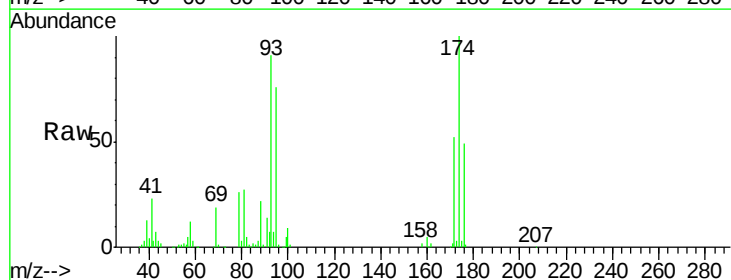
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

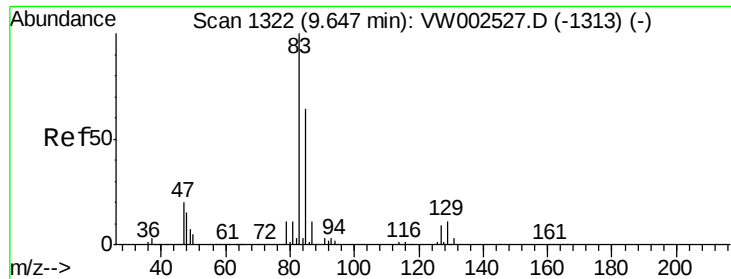
Tgt Ion: 63 Resp: 108147
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6



#46
 Dibromomethane
 Concen: 54.14 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 93 Resp: 62447
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 109.5 84.0 126.0





#47

Bromodichloromethane

Concen: 54.83 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

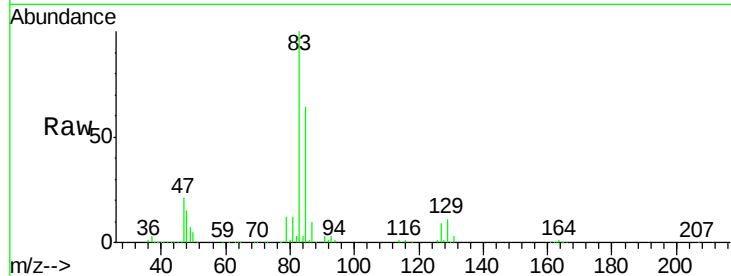
Tgt Ion: 83 Resp: 147492

Ion Ratio Lower Upper

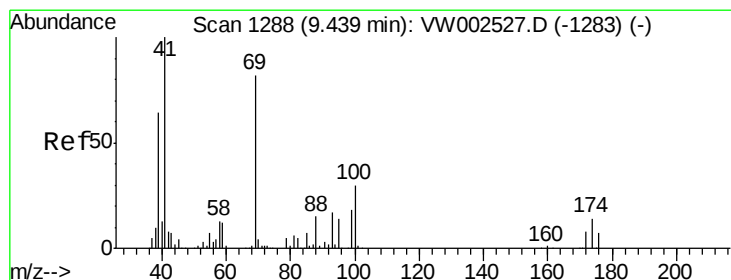
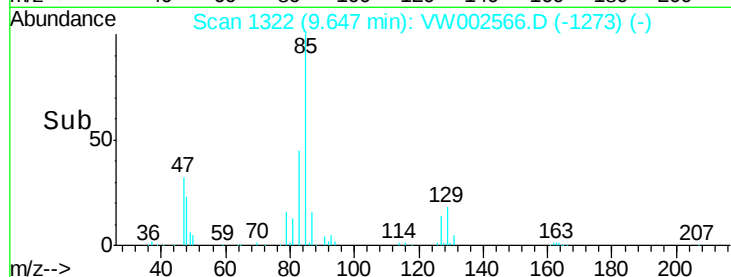
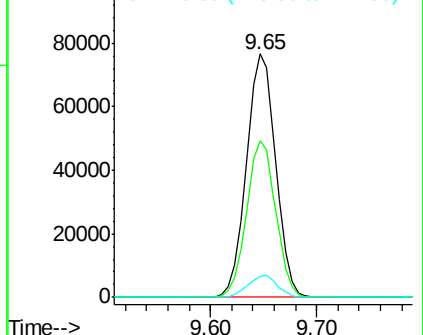
83 100

85 64.1 51.4 77.2

127 8.8 7.0 10.4



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



#48

Methyl methacrylate

Concen: 60.55 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

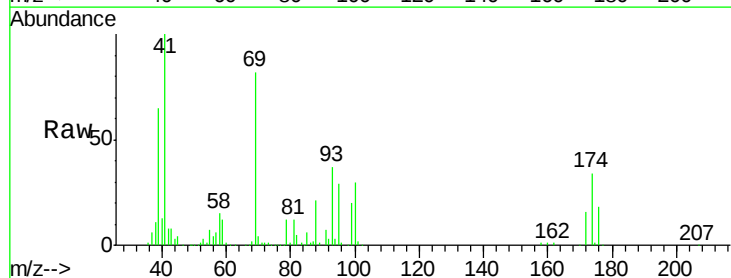
Tgt Ion: 41 Resp: 77525

Ion Ratio Lower Upper

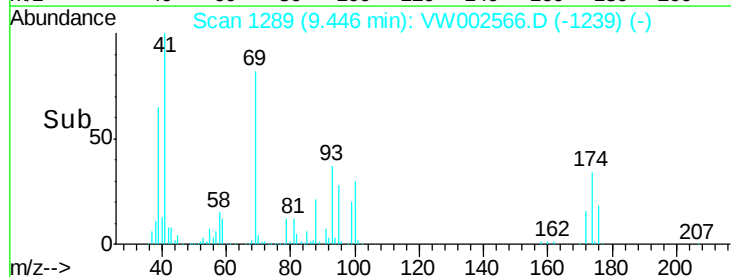
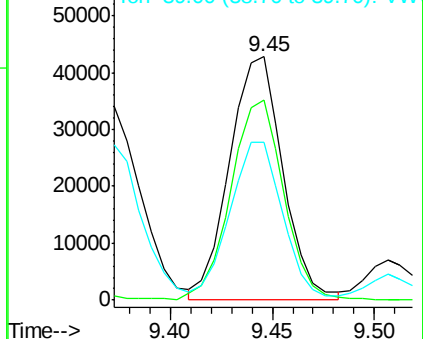
41 100

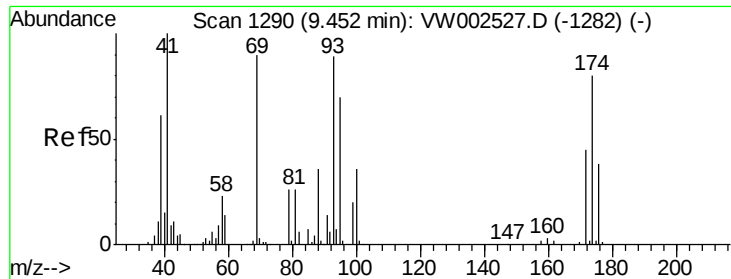
69 81.3 69.7 104.5

39 64.5 55.0 82.4



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

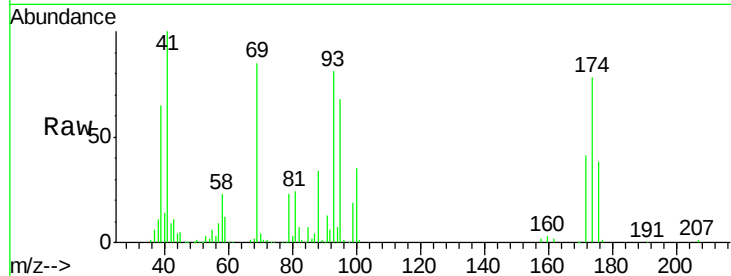




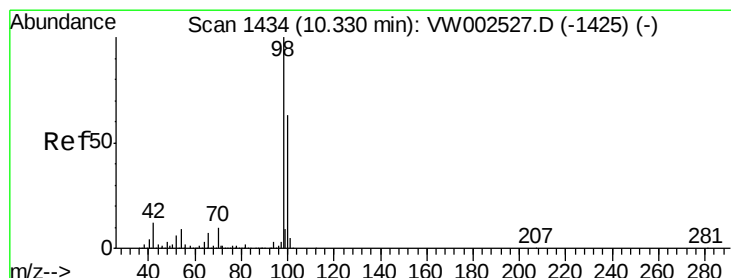
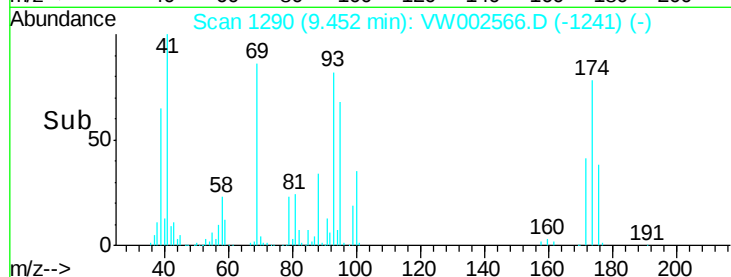
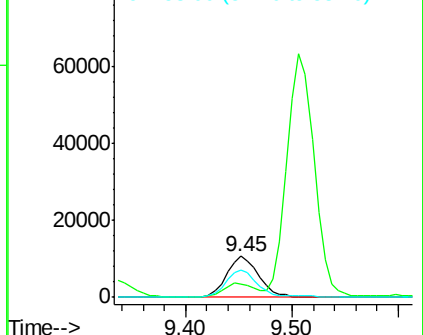
#49
1,4-Dioxane
Concen: 1162.31 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 22342
Ion Ratio Lower Upper
88 100
43 31.6 27.0 40.4
58 64.6 56.9 85.3

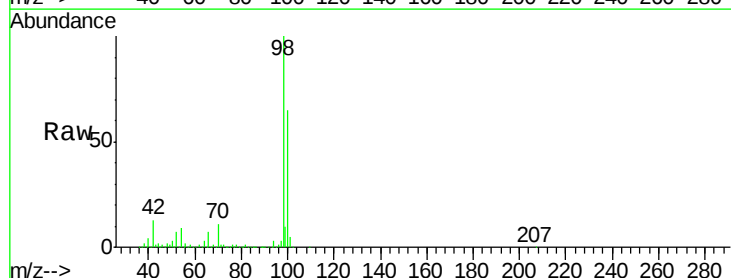


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

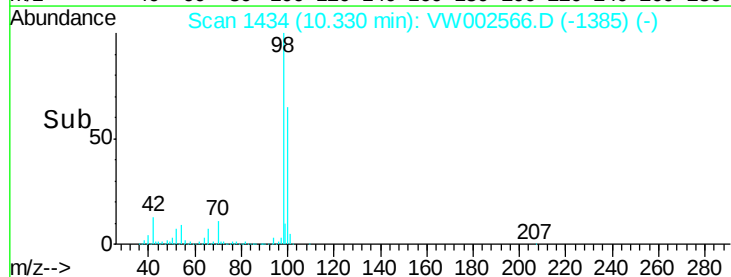
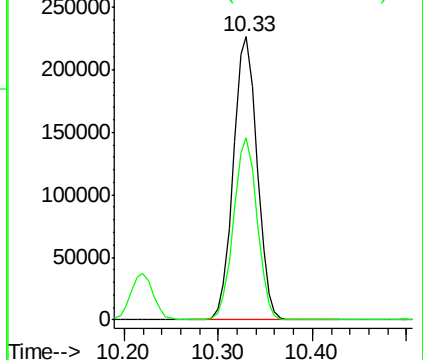


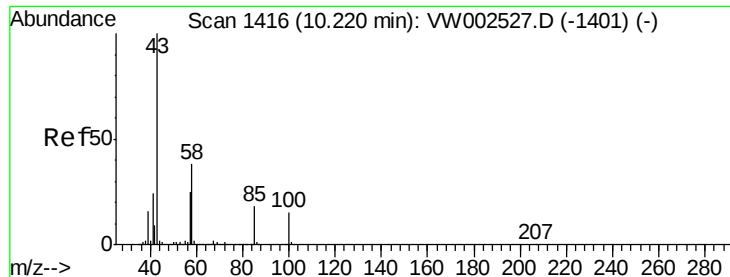
#50
Toluene-d8
Concen: 52.36 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 98 Resp: 396718
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.4



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

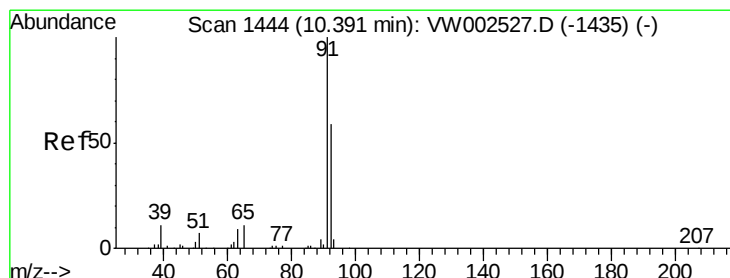
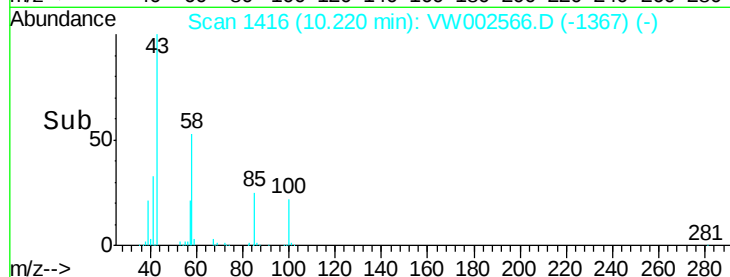
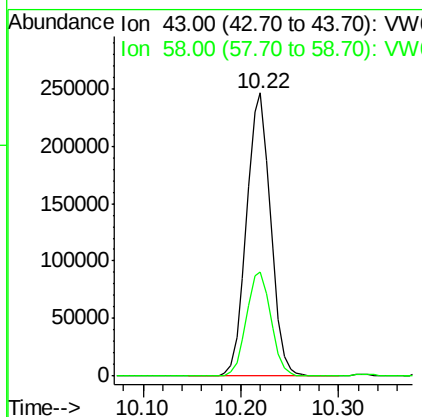
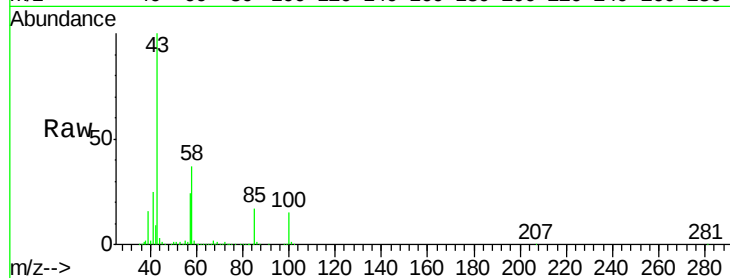




#51
 4-Methyl-2-Pentanone
 Concen: 289.30 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

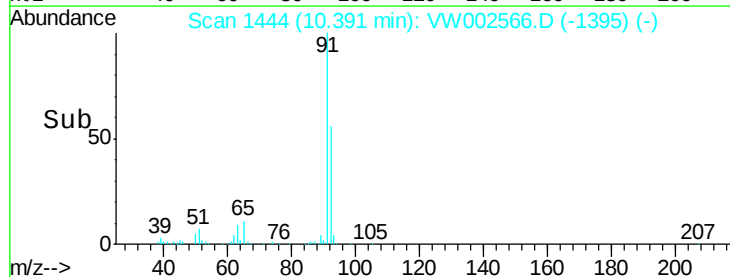
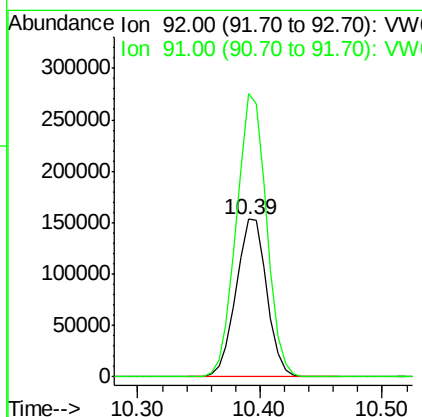
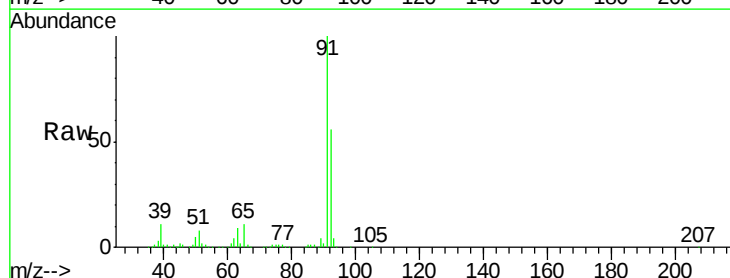
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

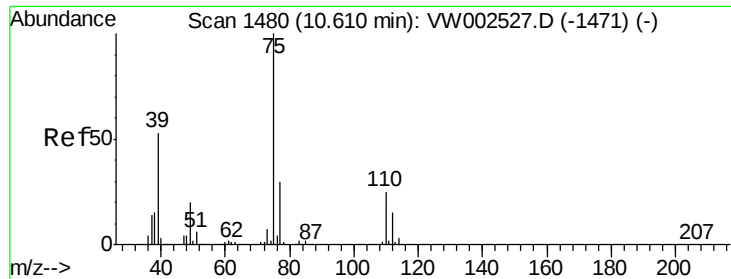
Tgt Ion: 43 Resp: 419784
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.1 45.1



#52
 Toluene
 Concen: 52.99 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 92 Resp: 266479
 Ion Ratio Lower Upper
 92 100
 91 176.4 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 54.31 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

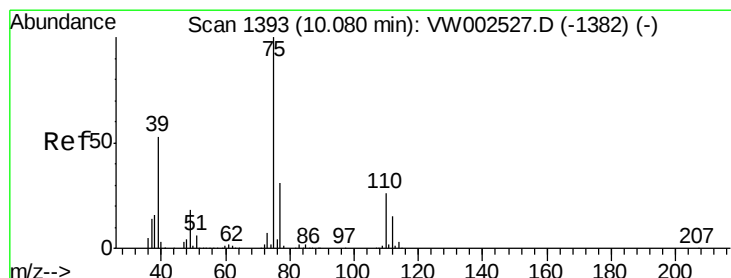
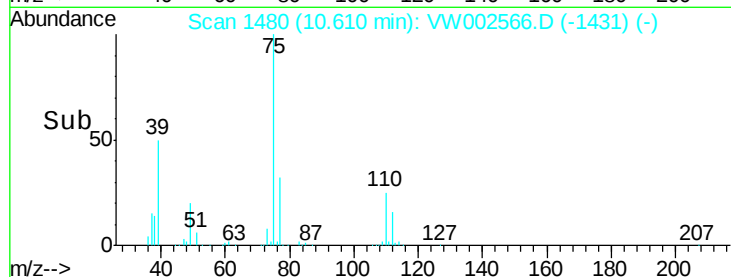
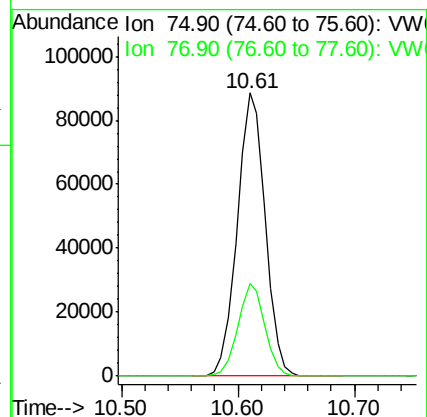
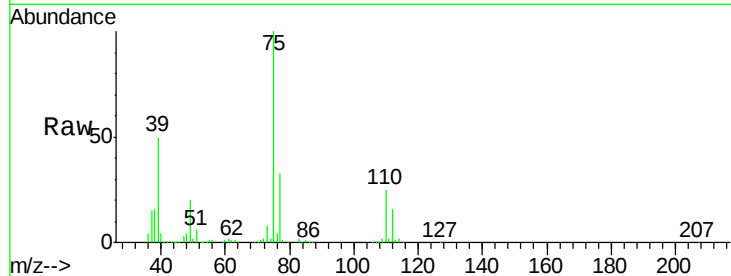
VSTDCCC050

Tgt Ion: 75 Resp: 147725

Ion Ratio Lower Upper

75 100

77 32.6 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 53.99 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

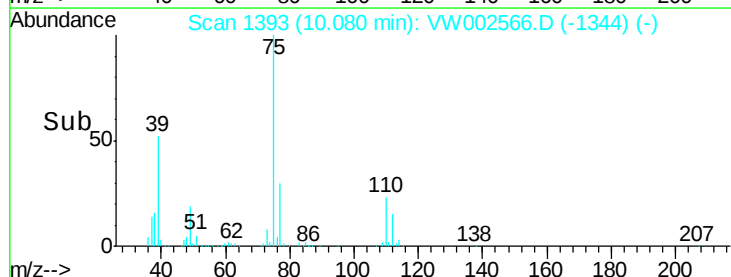
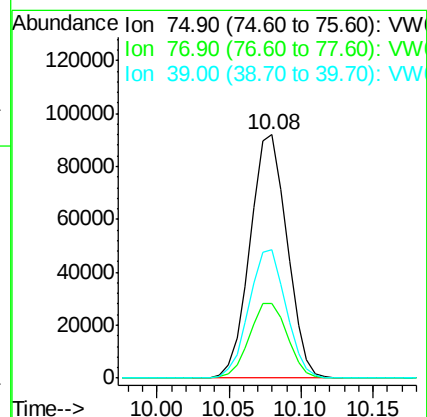
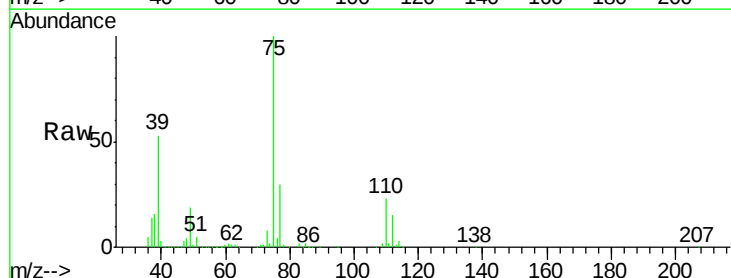
Tgt Ion: 75 Resp: 163717

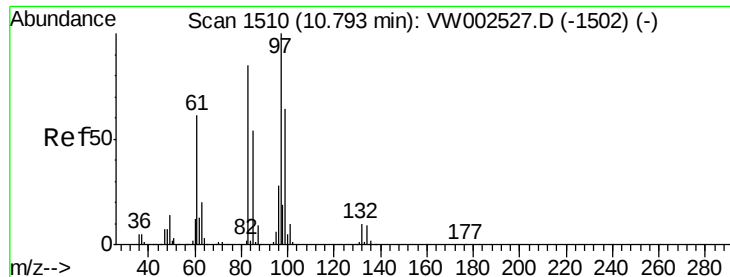
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 52.6 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 55.25 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

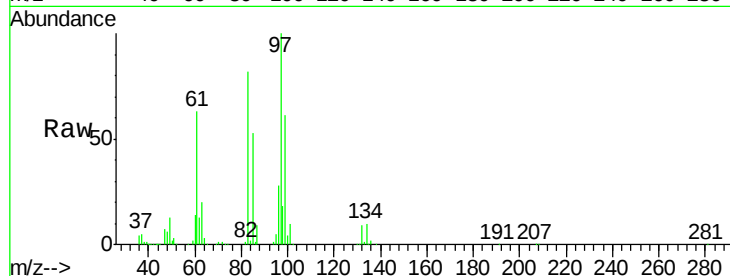
MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 89777

Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.1	102.1
85	52.6	43.6	65.4
99	60.9	51.2	76.8



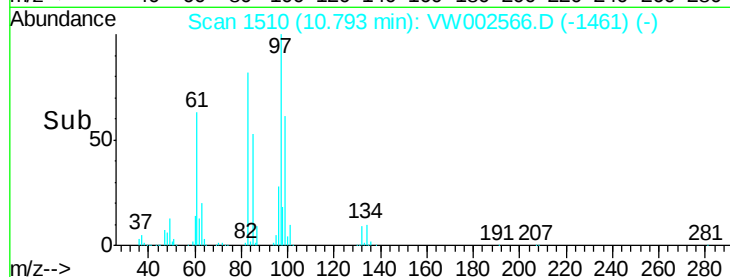
Abundance

Ion 96.90 (96.60 to 97.60): VW

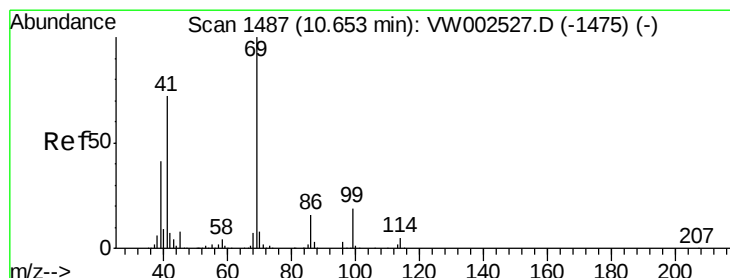
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



Time-->



#56

Ethyl methacrylate

Concen: 59.08 ug/l

RT: 10.65 min Scan# 1487

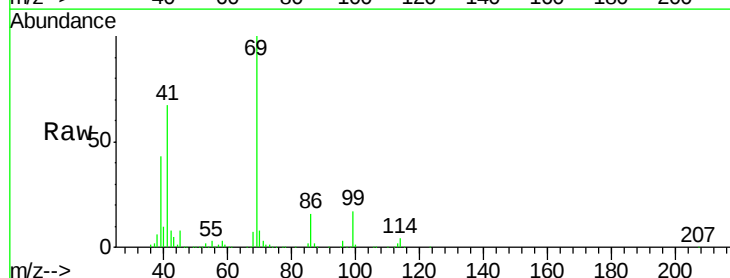
Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion: 69 Resp: 116999

Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.3	82.9
39	39.2	33.0	49.6

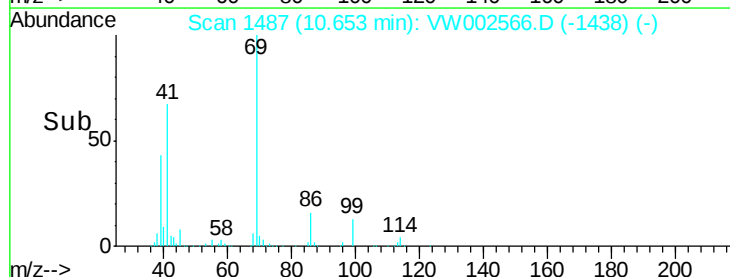


Abundance

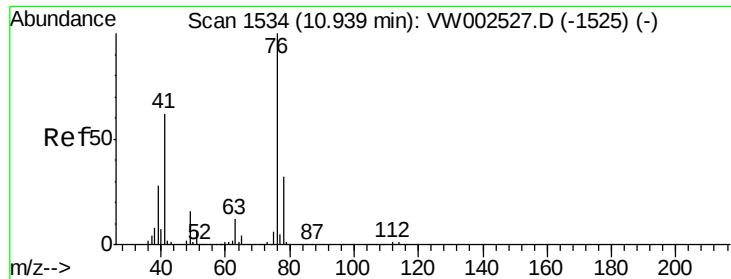
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



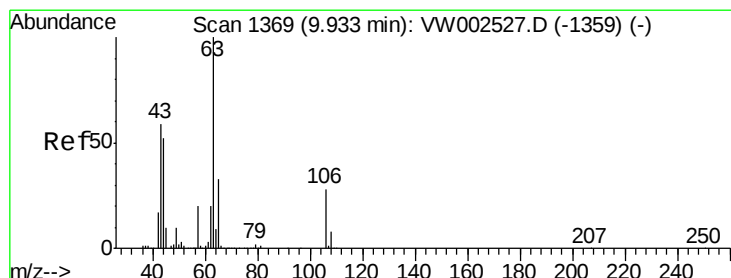
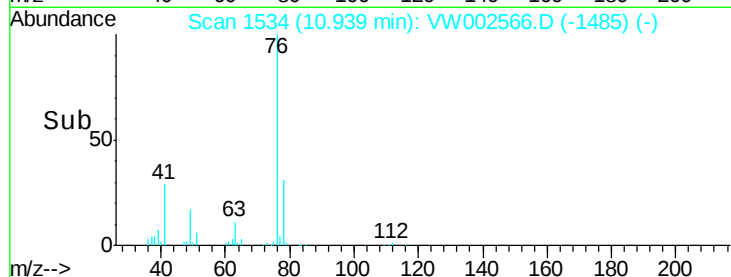
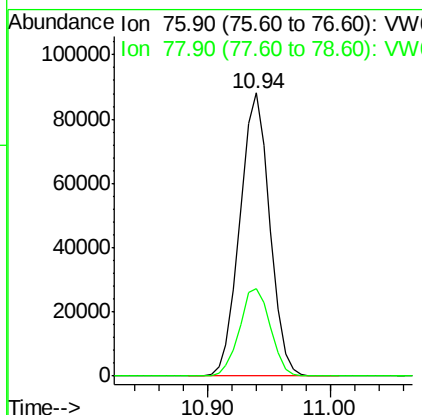
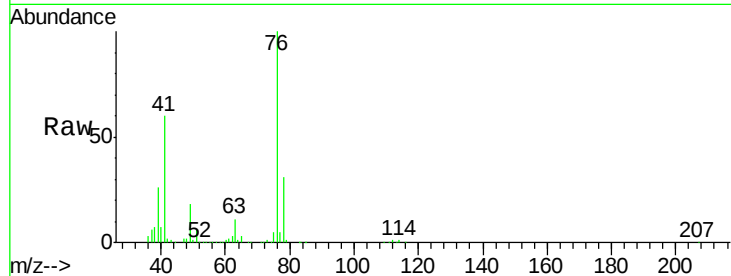
Time-->



#57
 1,3-Dichloropropane
 Concen: 55.32 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

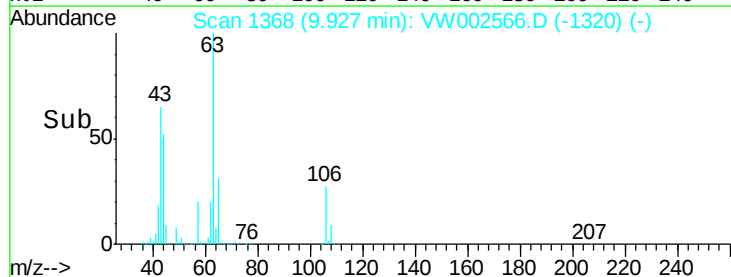
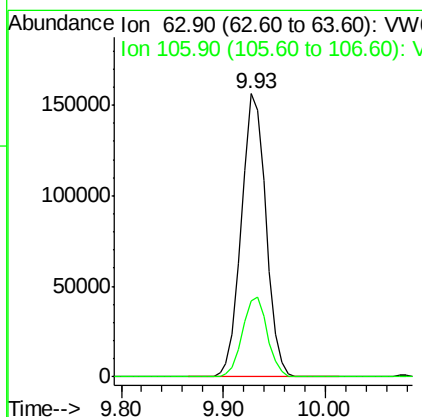
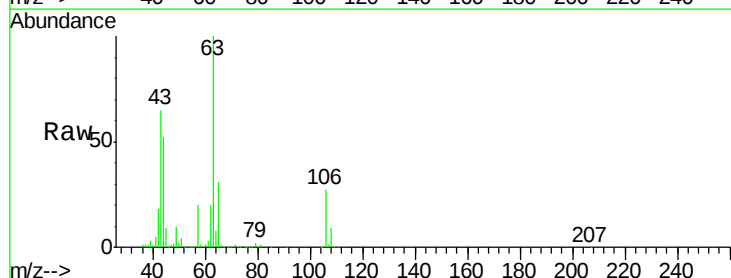
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

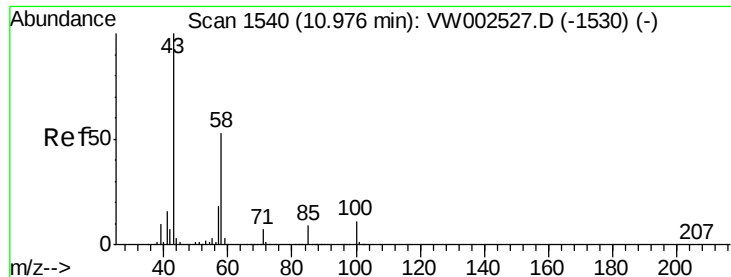
Tgt Ion: 76 Resp: 149086
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.04 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 63 Resp: 261551
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.9 34.3

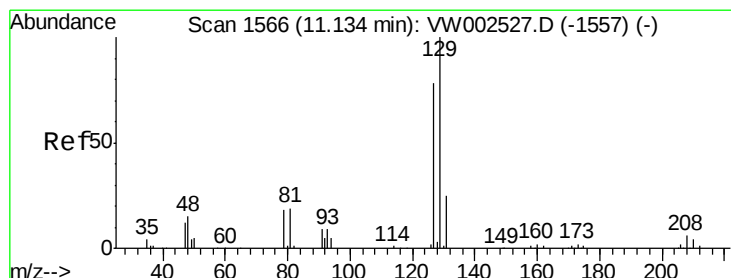
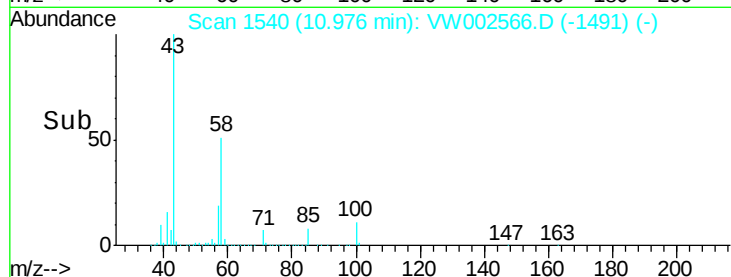
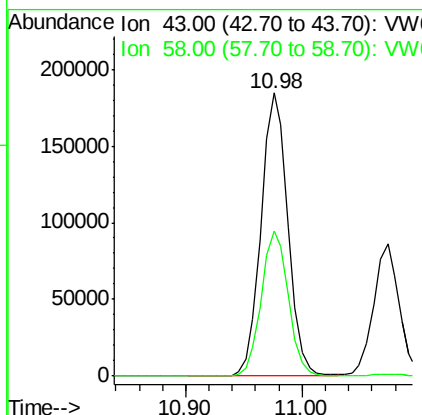
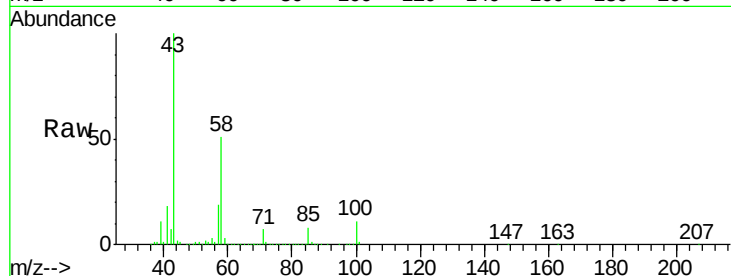




#59
2-Hexanone
Concen: 295.73 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

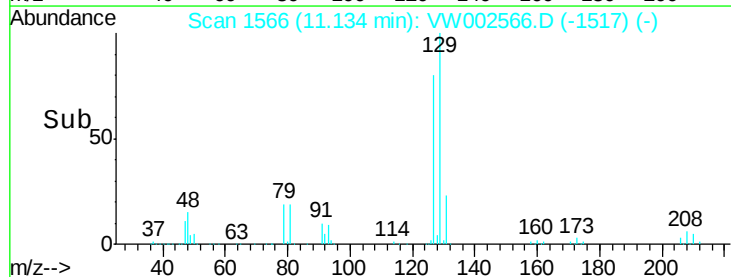
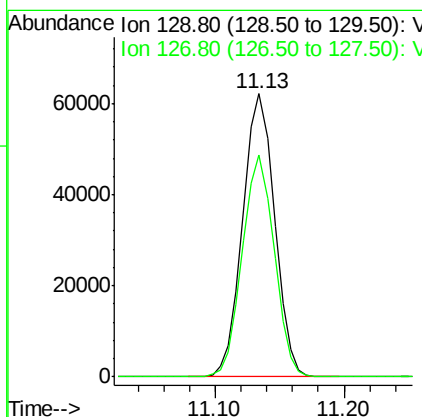
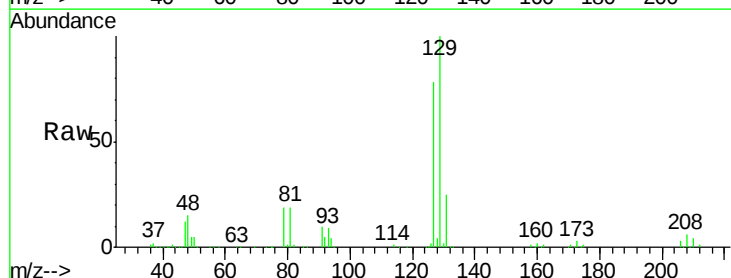
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

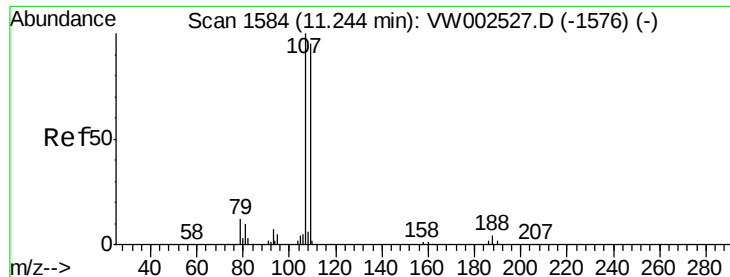
Tgt Ion: 43 Resp: 296245
Ion Ratio Lower Upper
43 100
58 51.5 26.3 78.8



#60
Dibromochloromethane
Concen: 55.73 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 129 Resp: 106858
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.7

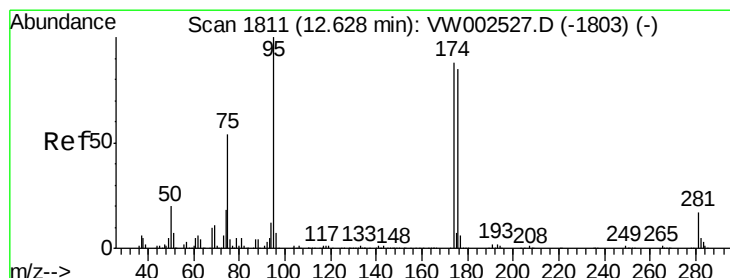
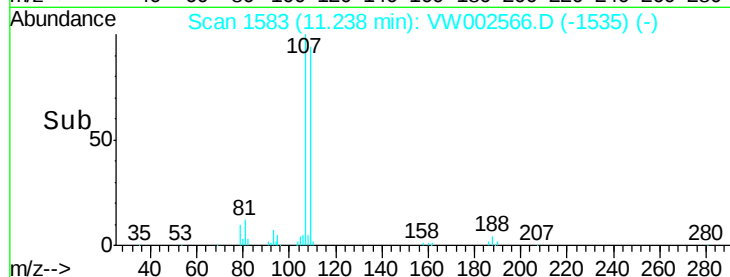
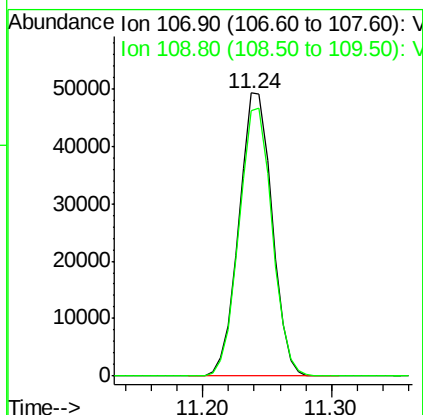
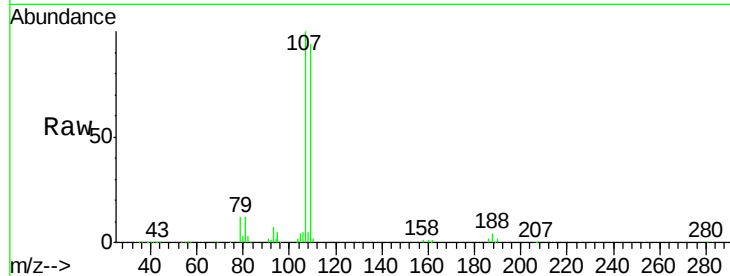




#61
 1,2-Dibromoethane
 Concen: 55.76 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

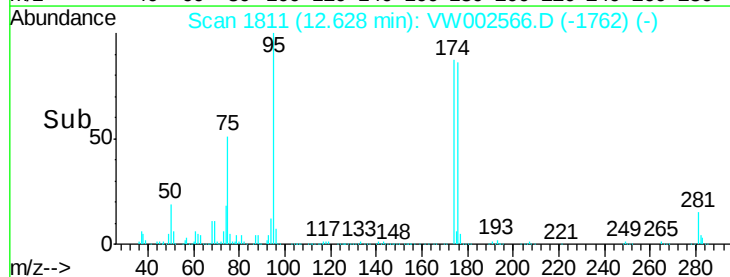
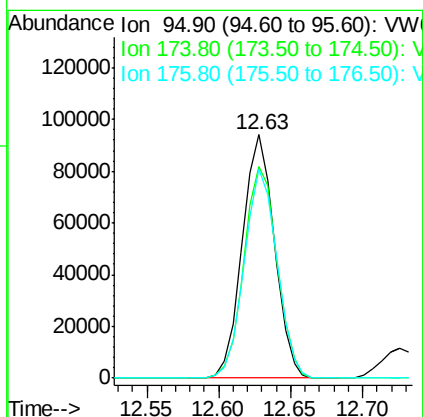
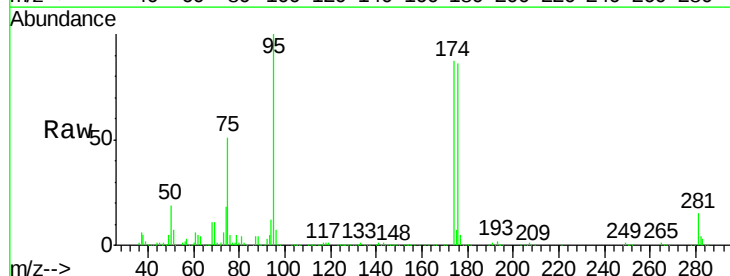
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

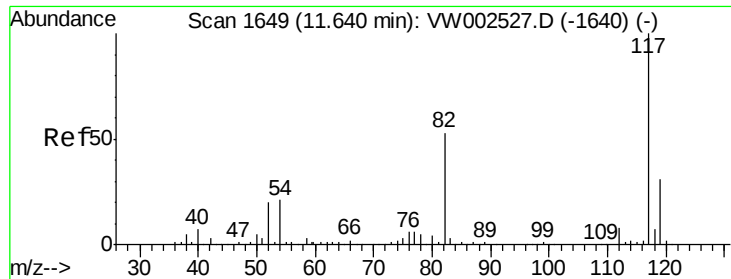
Tgt Ion: 107 Resp: 87453
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.51 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 95 Resp: 145491
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.6
 176 87.2 0.0 172.2

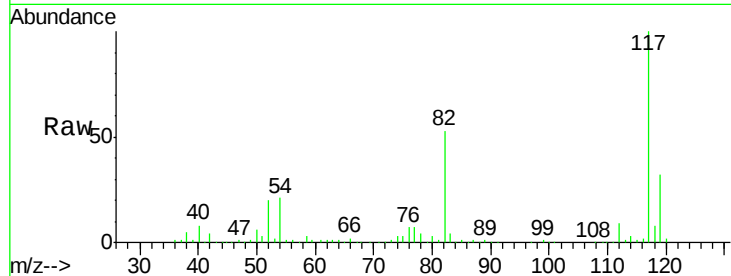




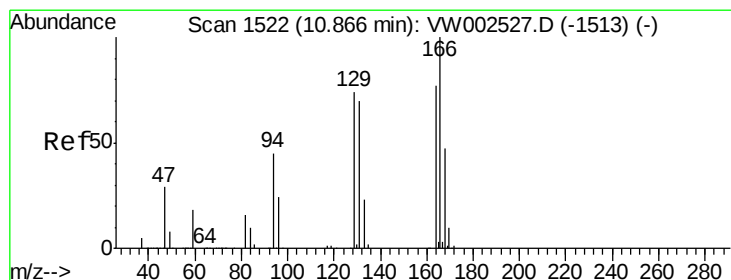
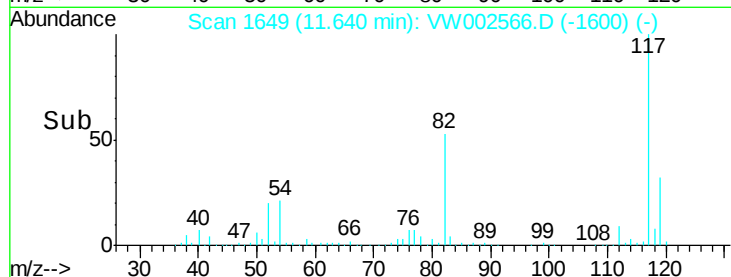
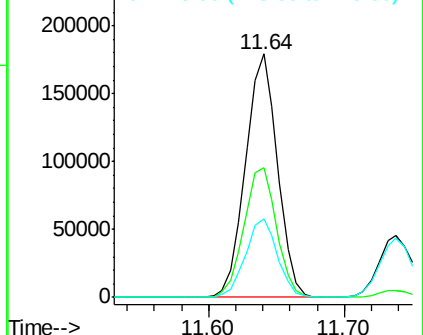
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 294244
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.0 25.0 37.6

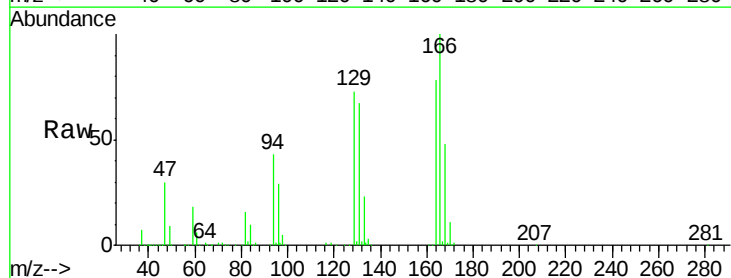


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

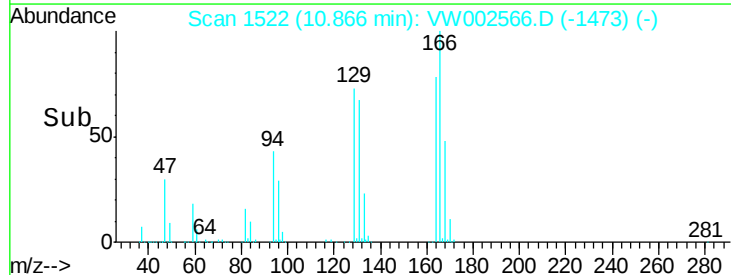
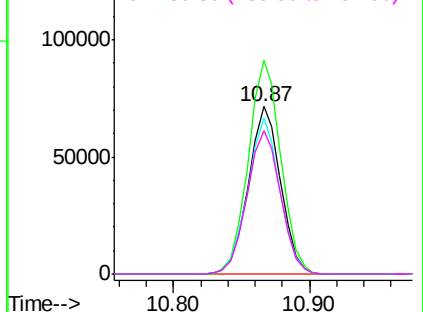


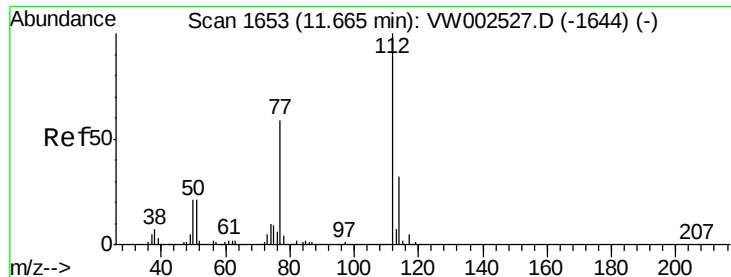
#64
Tetrachloroethene
Concen: 57.35 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion:164 Resp: 118937
Ion Ratio Lower Upper
164 100
166 127.7 104.2 156.2
129 93.3 77.0 115.4
131 86.0 73.1 109.7



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





#65

Chlorobenzene

Concen: 53.03 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

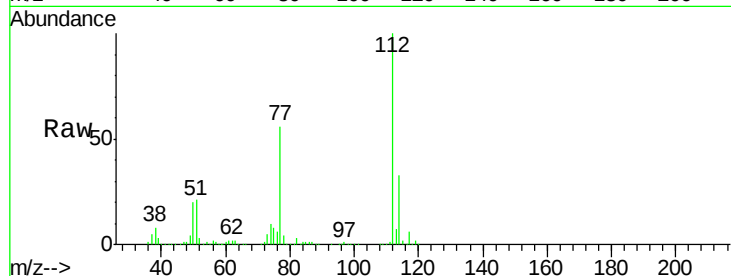
VSTDCCC050

Tgt Ion:112 Resp: 310811

Ion Ratio Lower Upper

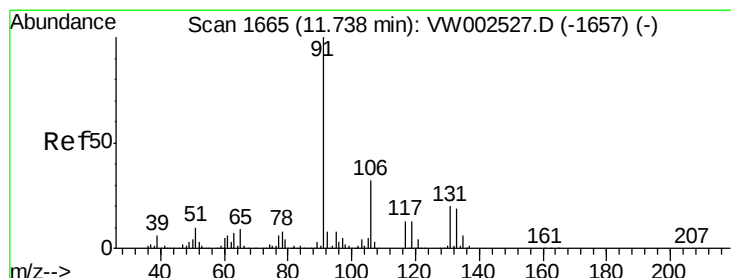
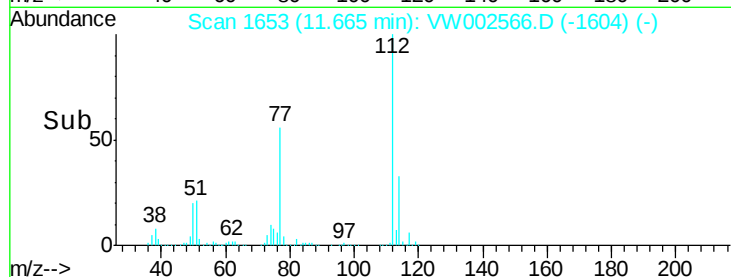
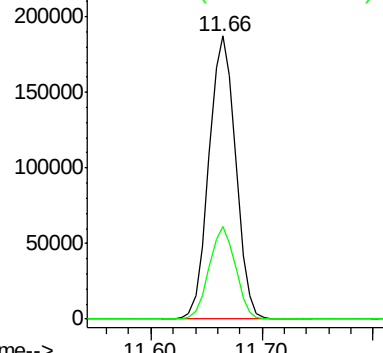
112 100

114 32.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.69 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

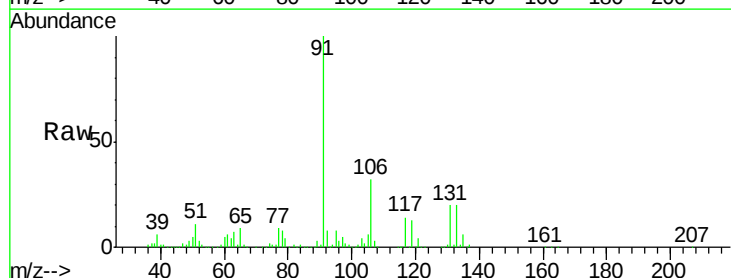
Tgt Ion:131 Resp: 112630

Ion Ratio Lower Upper

131 100

133 96.0 48.4 145.3

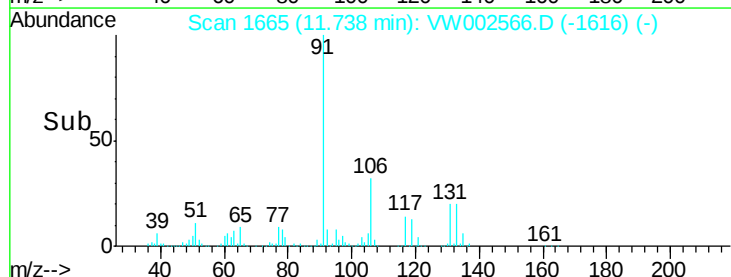
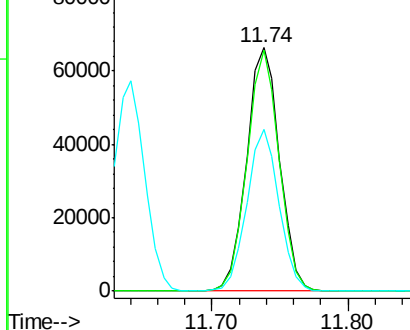
119 64.8 32.2 96.6

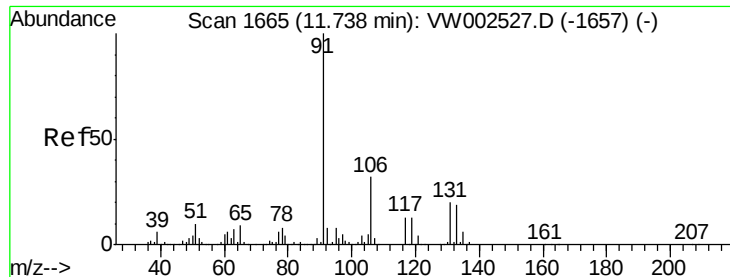


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

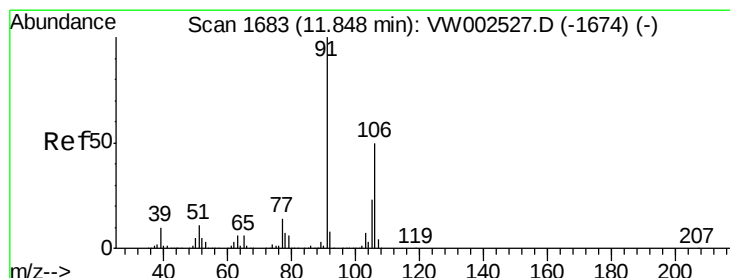
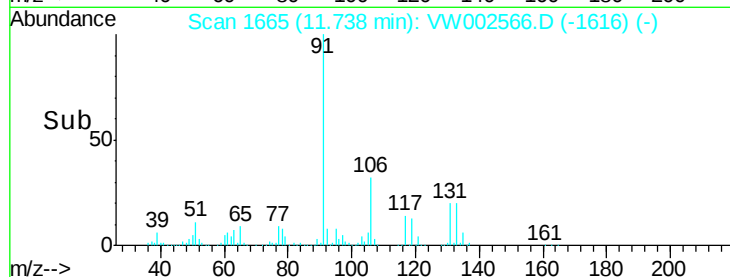
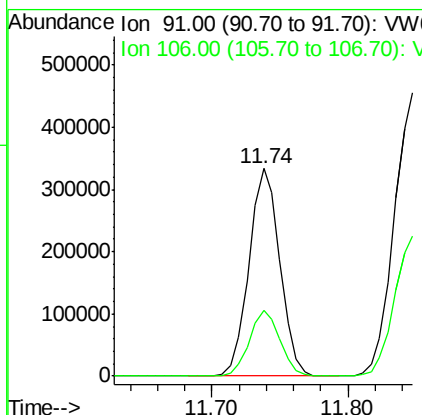
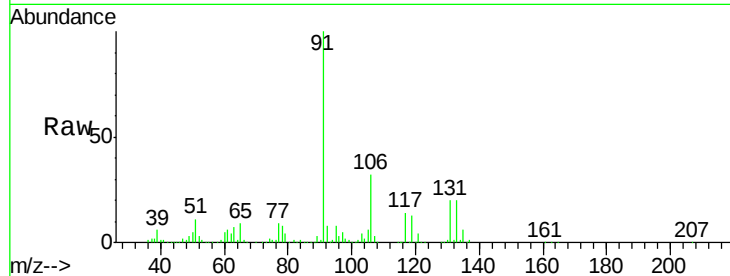




#67
Ethyl Benzene
Concen: 53.22 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

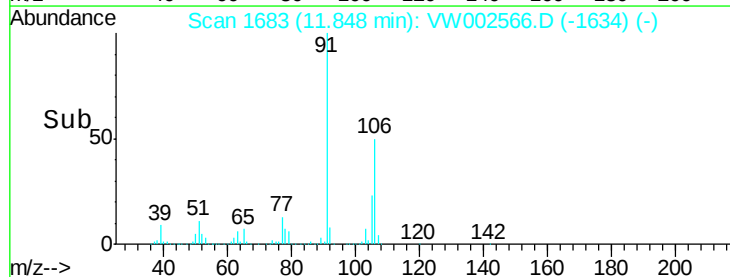
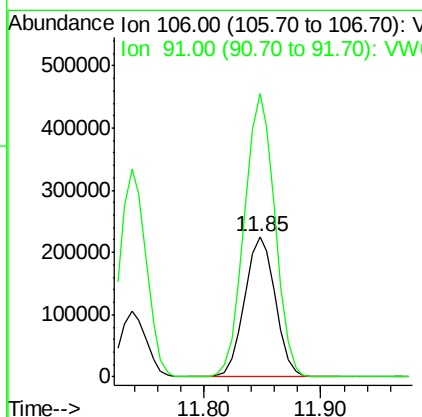
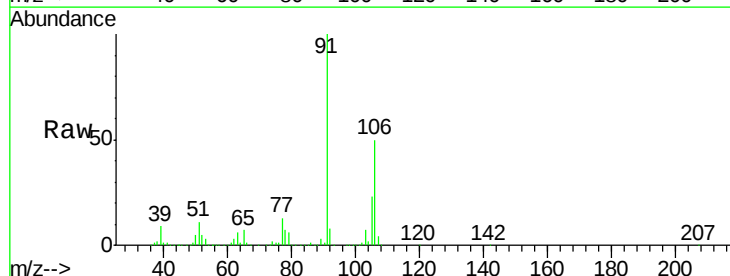
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

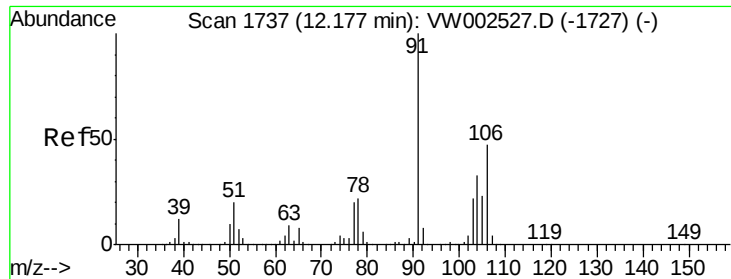
Tgt Ion: 91 Resp: 530128
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0



#68
m/p-Xylenes
Concen: 106.64 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion: 106 Resp: 412968
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2

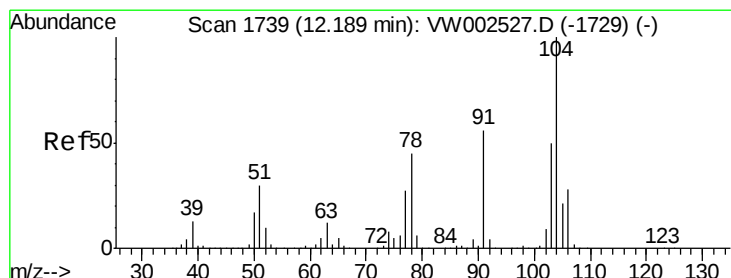
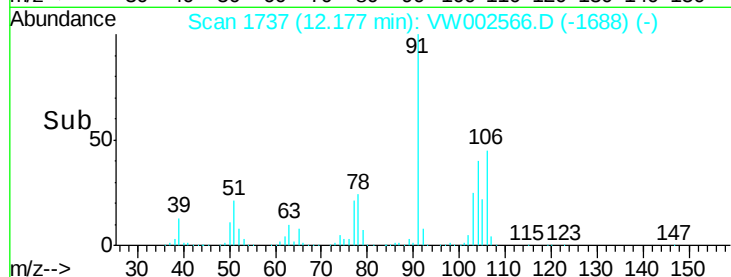
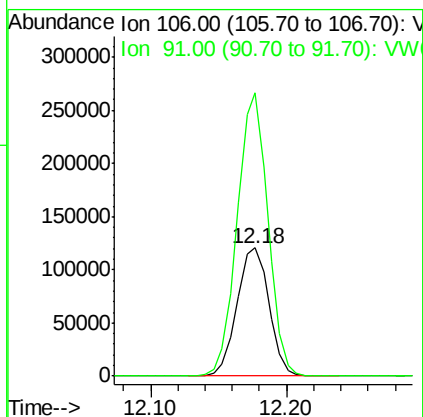
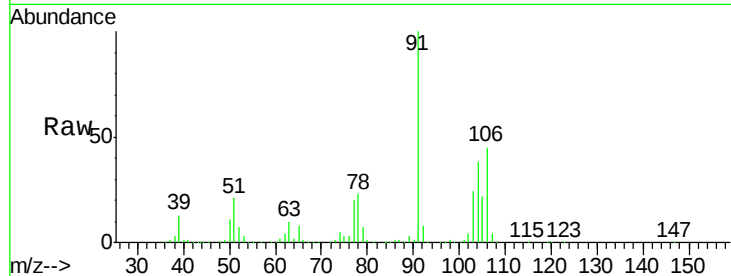




#69
o-Xylene
Concen: 53.98 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

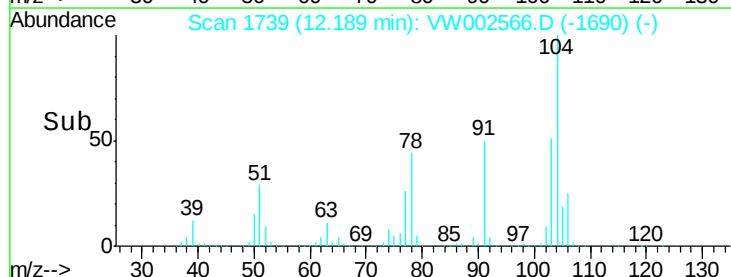
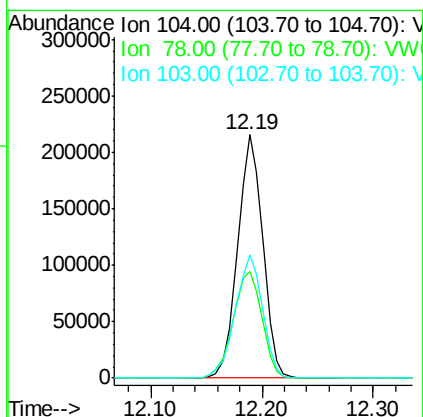
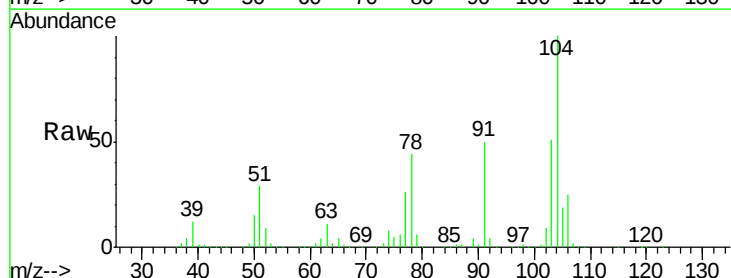
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

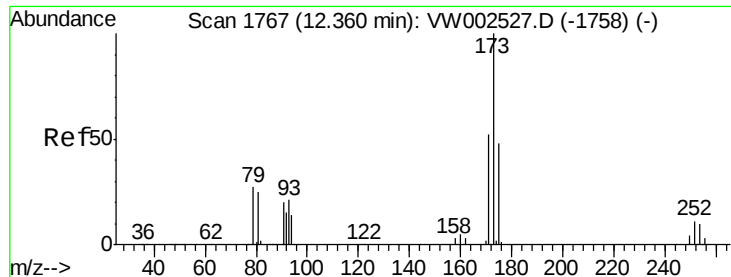
Tgt Ion:106 Resp: 198643
Ion Ratio Lower Upper
106 100
91 211.4 106.7 320.2



#70
Styrene
Concen: 54.77 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion:104 Resp: 335406
Ion Ratio Lower Upper
104 100
78 50.4 40.1 60.1
103 55.2 44.6 66.8





#71

Bromoform

Concen: 56.83 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

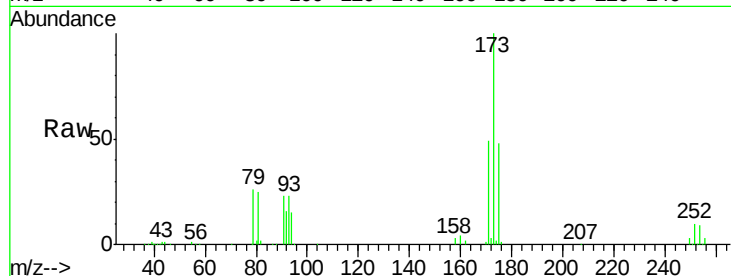
Tgt Ion:173 Resp: 70051

Ion Ratio Lower Upper

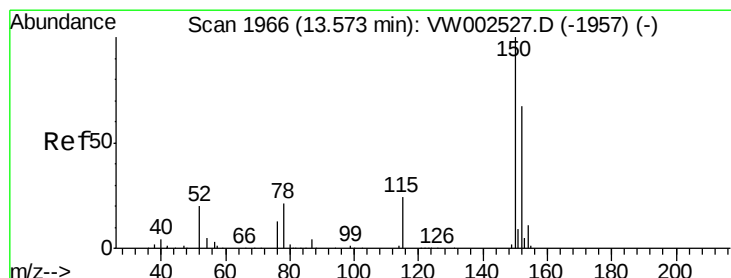
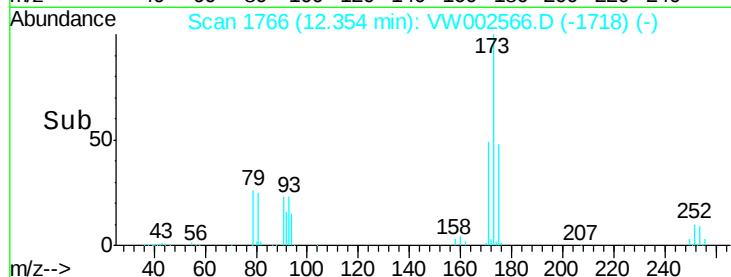
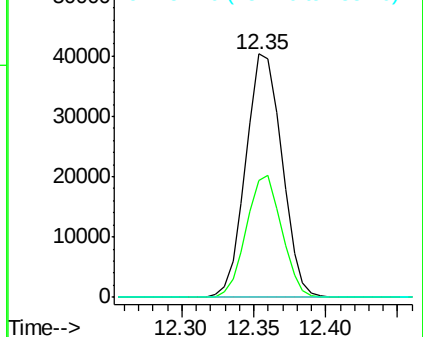
173 100

175 49.2 24.5 73.5

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. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

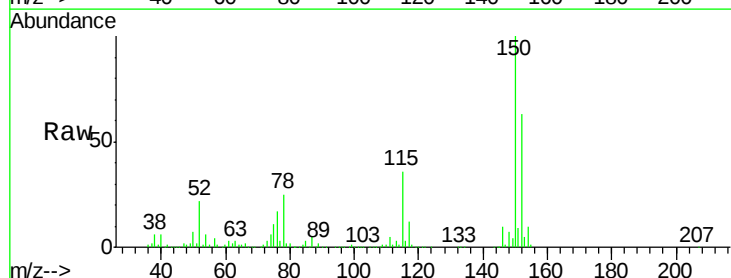
Tgt Ion:152 Resp: 164759

Ion Ratio Lower Upper

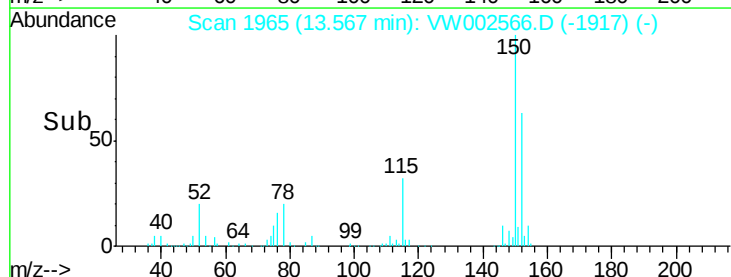
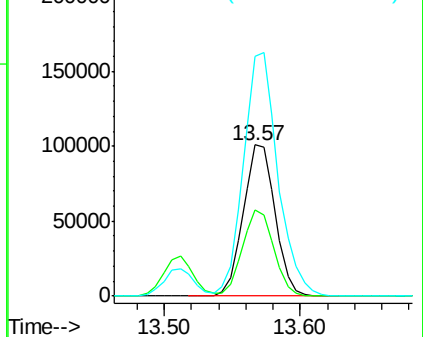
152 100

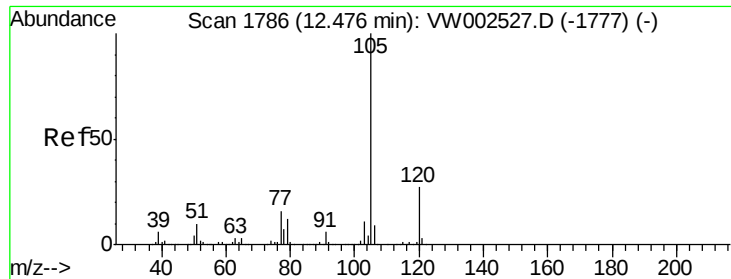
115 56.3 28.0 84.0

150 173.9 0.0 345.4



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





#73

Isopropylbenzene

Concen: 52.60 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

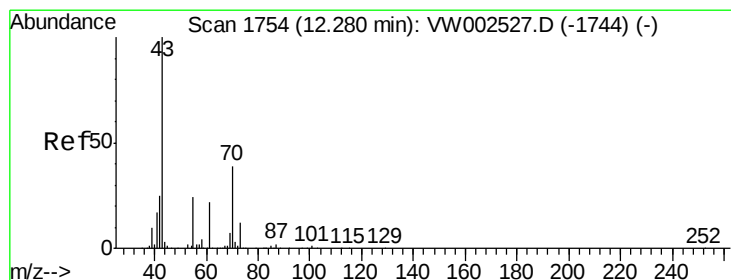
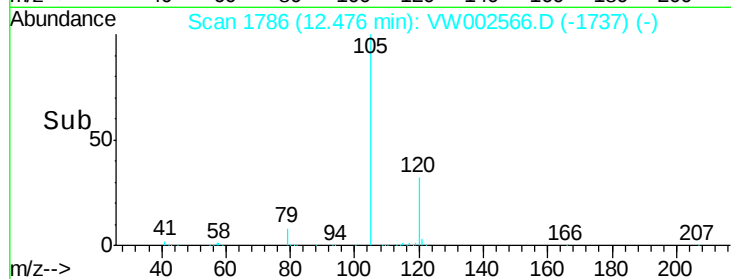
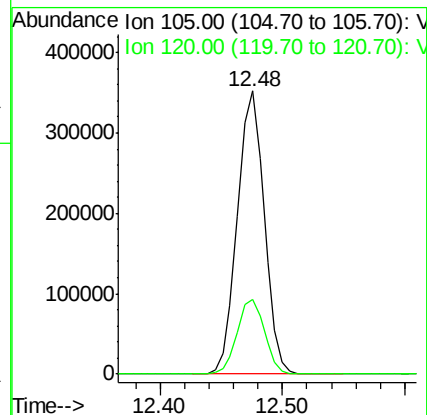
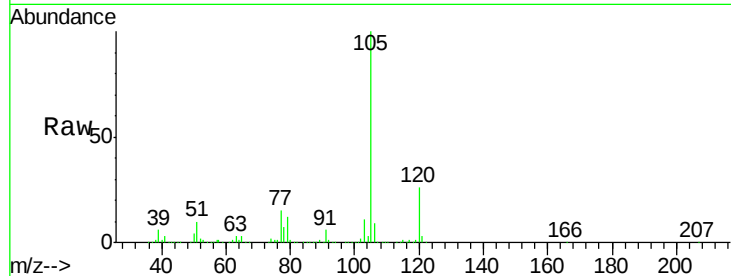
VSTDCCC050

Tgt Ion: 105 Resp: 534234

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 57.01 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Tgt Ion: 43 Resp: 147504

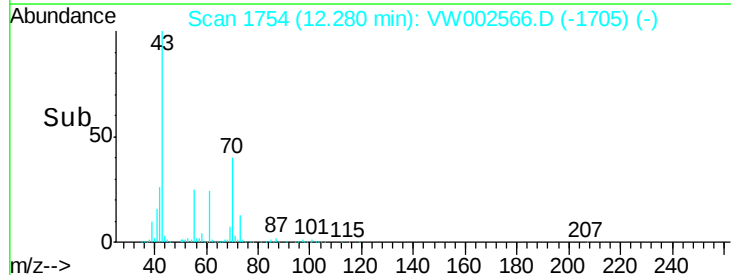
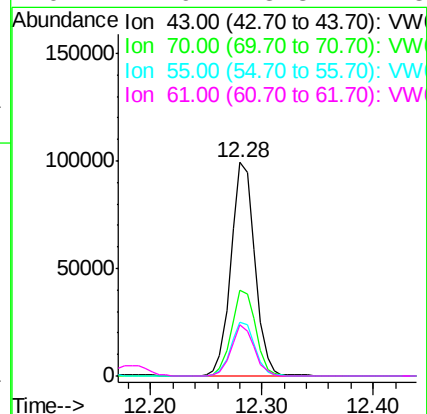
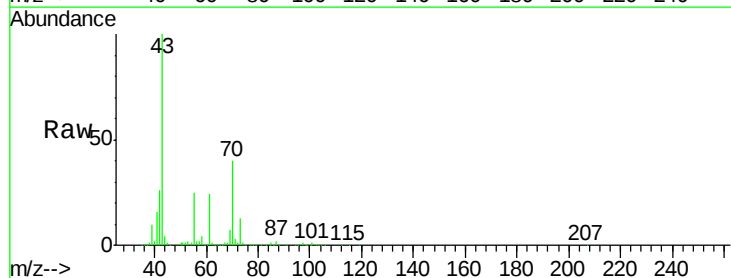
Ion Ratio Lower Upper

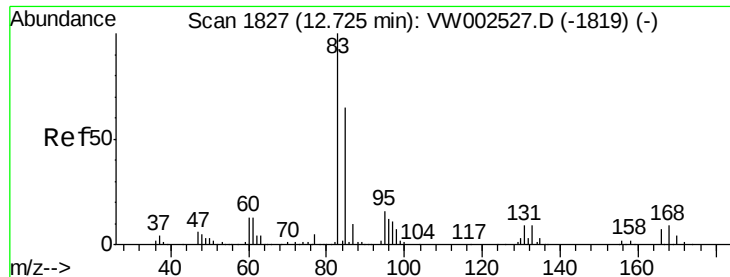
43 100

70 40.7 31.9 47.9

55 25.4 19.4 29.0

61 22.9 18.3 27.5

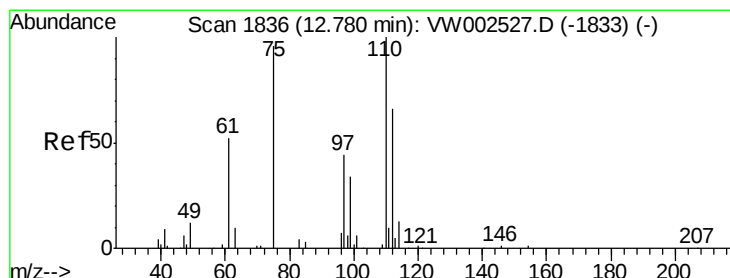
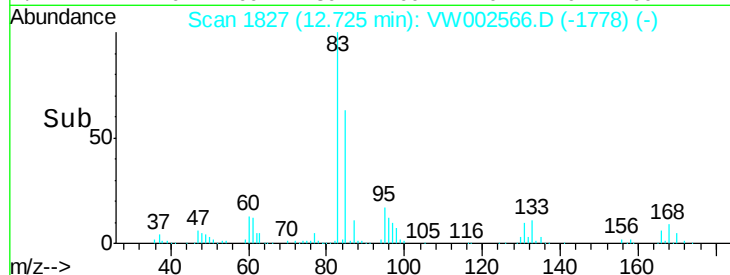
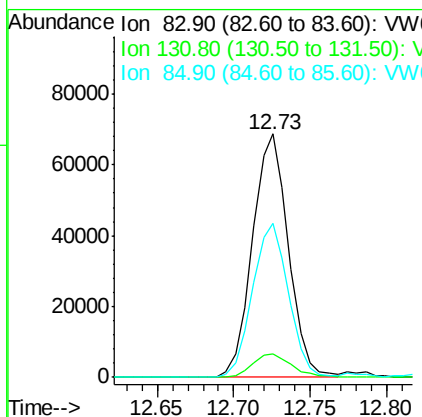
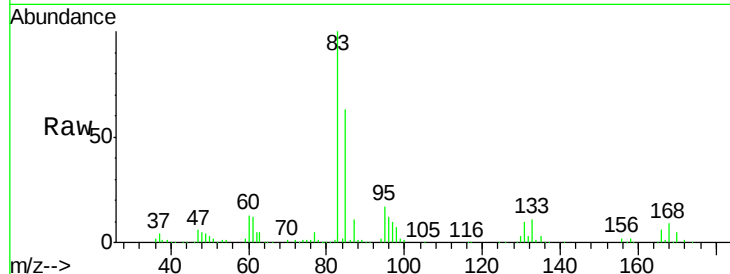




#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.49 ug/l
 RT: 12.73 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

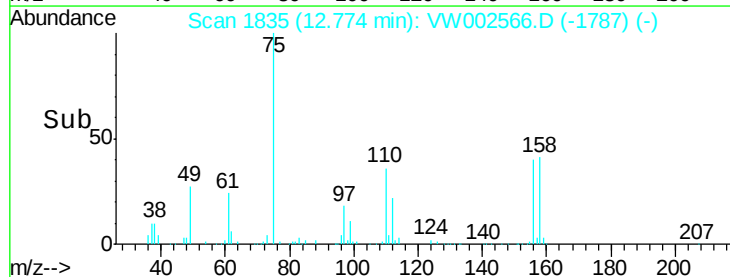
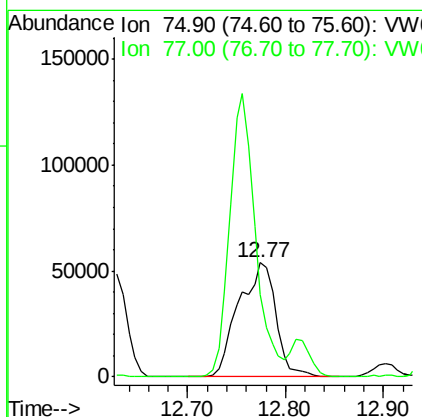
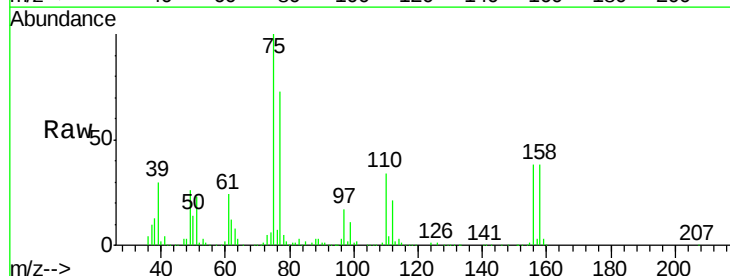
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

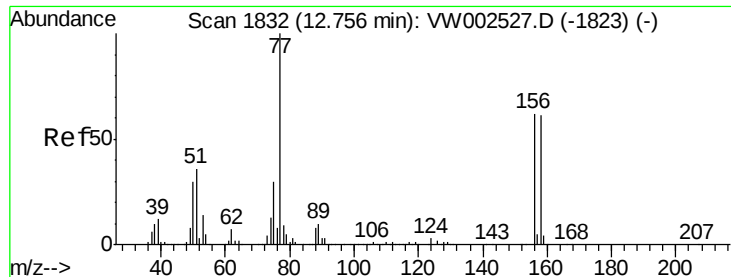
Tgt Ion: 83 Resp: 112128
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 63.5 31.6 94.8



#76
 1,2,3-Trichloropropane
 Concen: 91.82 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion: 75 Resp: 142997
 Ion Ratio Lower Upper
 75 100
 77 171.6 0.0 0.0#





#77

Bromobenzene

Concen: 53.53 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

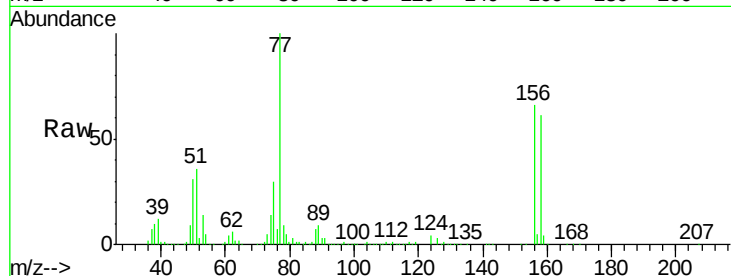
Tgt Ion:156 Resp: 138717

Ion Ratio Lower Upper

156 100

77 176.9 89.8 269.4

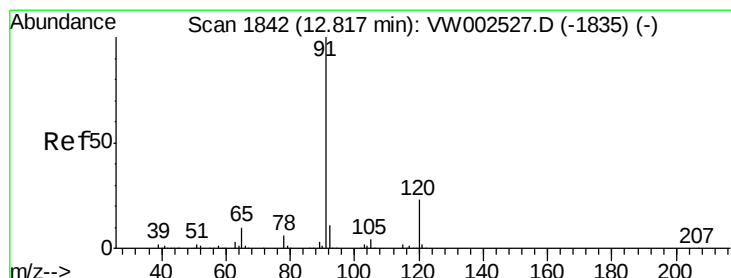
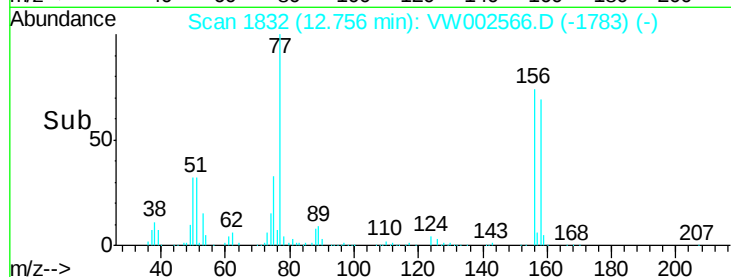
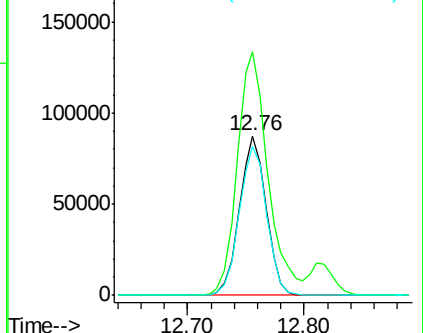
158 96.2 48.8 146.3



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: 52.88 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002566.D

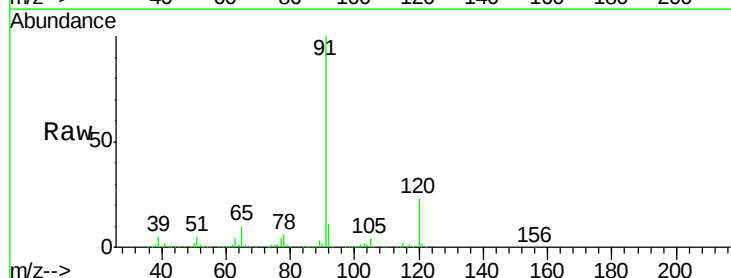
Acq: 15 May 2018 23:16

Tgt Ion: 91 Resp: 648623

Ion Ratio Lower Upper

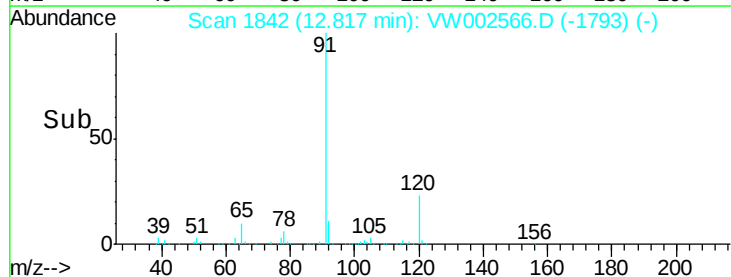
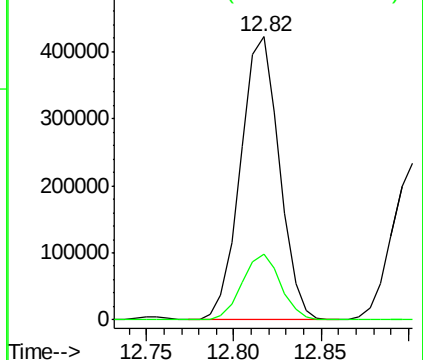
91 100

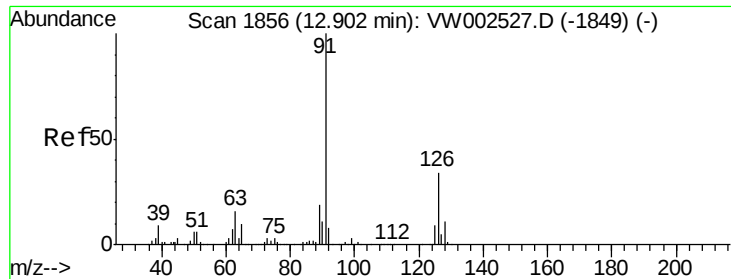
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.00 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

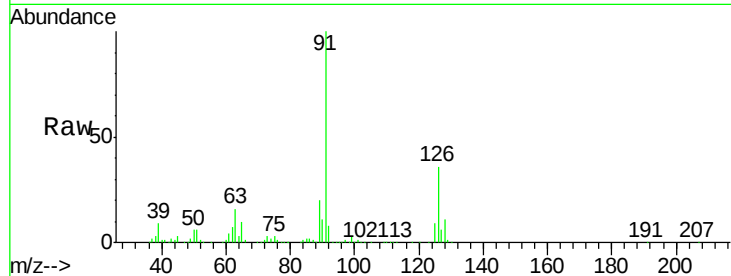
VSTDCCC050

Tgt Ion: 91 Resp: 369131

Ion Ratio Lower Upper

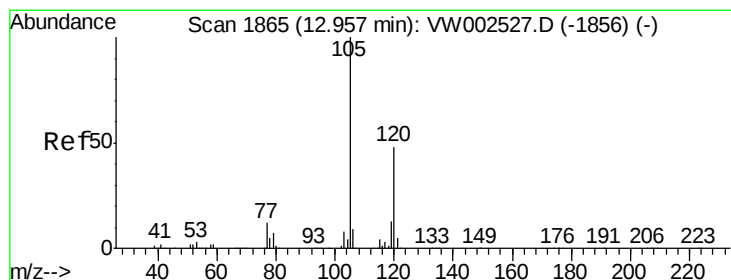
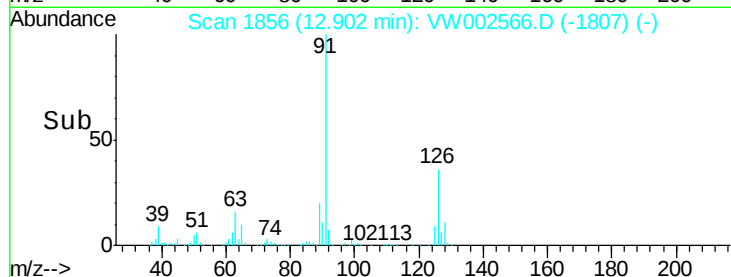
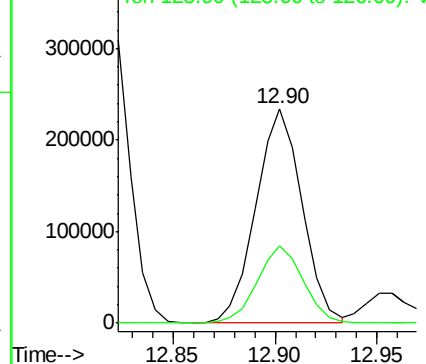
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.25 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002566.D

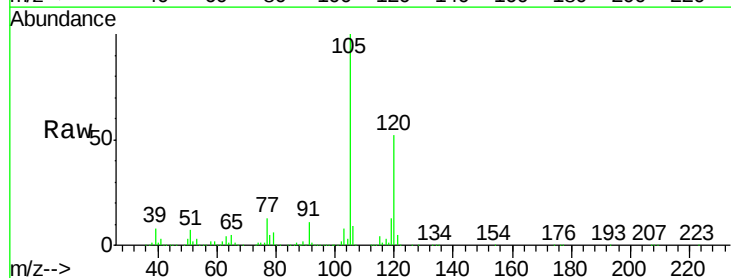
Acq: 15 May 2018 23:16

Tgt Ion: 105 Resp: 461509

Ion Ratio Lower Upper

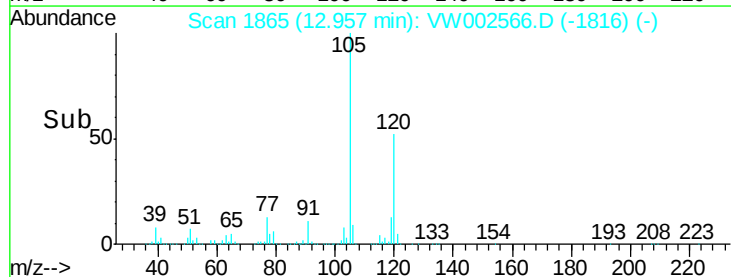
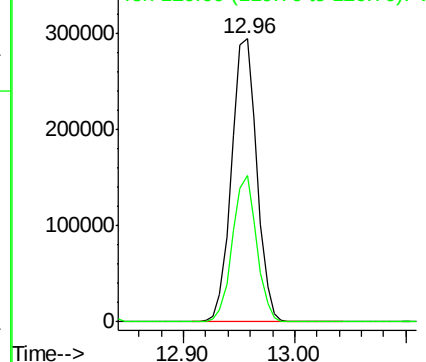
105 100

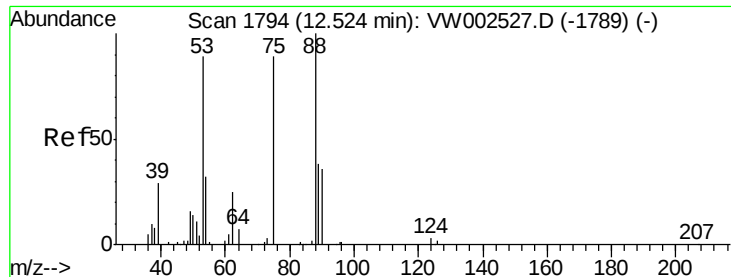
120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.17 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

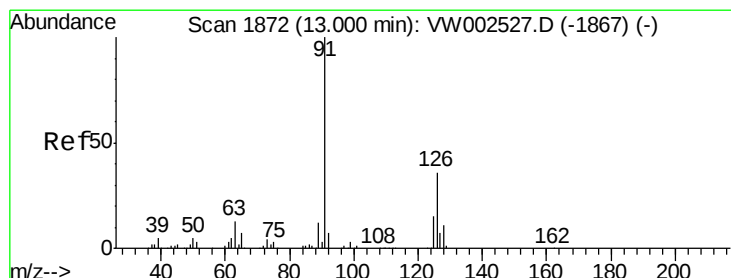
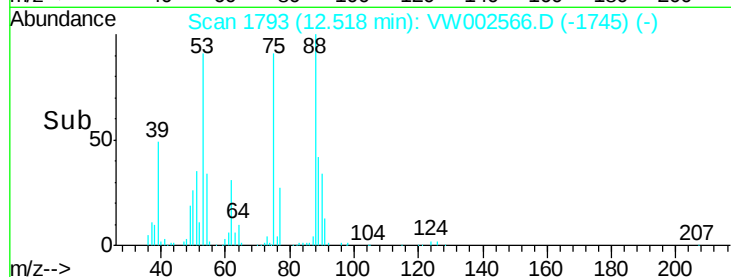
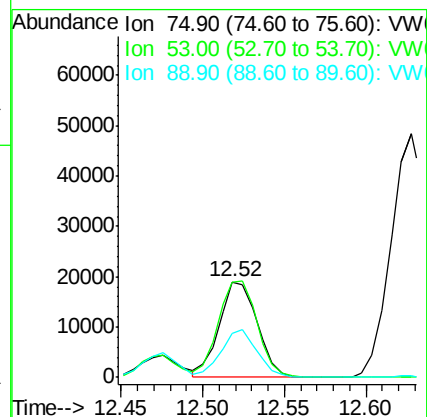
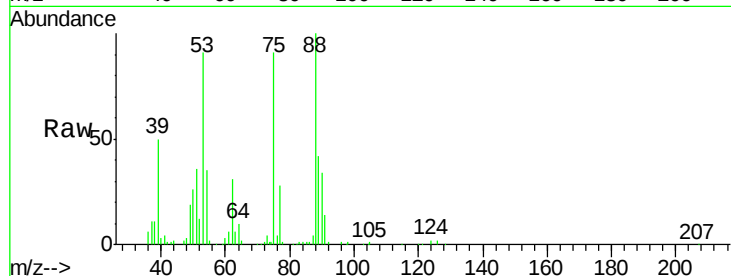
Tgt Ion: 75 Resp: 30945

Ion Ratio Lower Upper

75 100

53 102.6 82.6 124.0

89 47.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 53.01 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002566.D

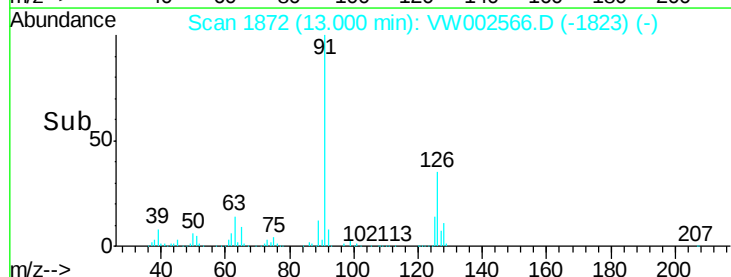
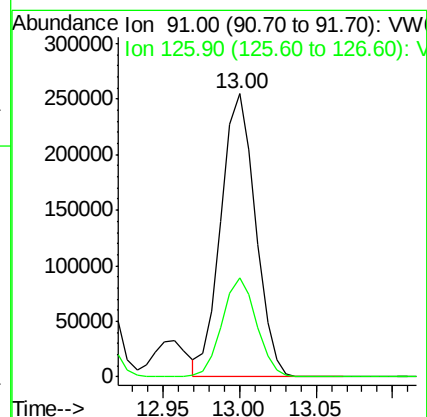
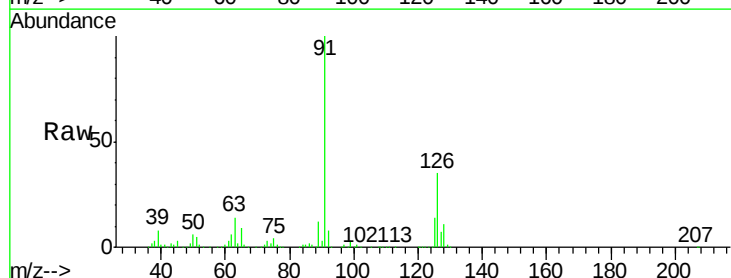
Acq: 15 May 2018 23:16

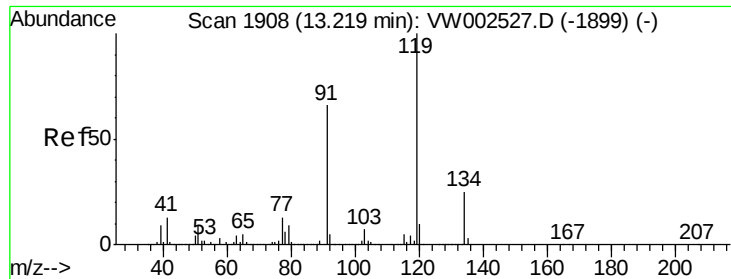
Tgt Ion: 91 Resp: 399264

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5

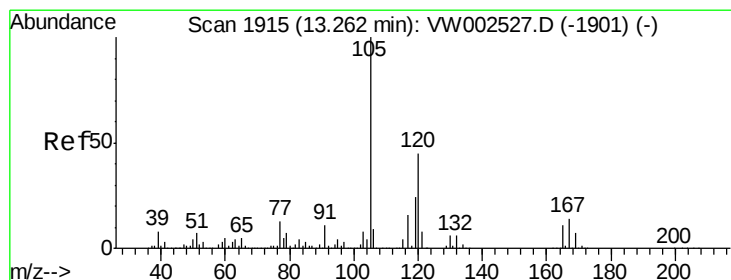
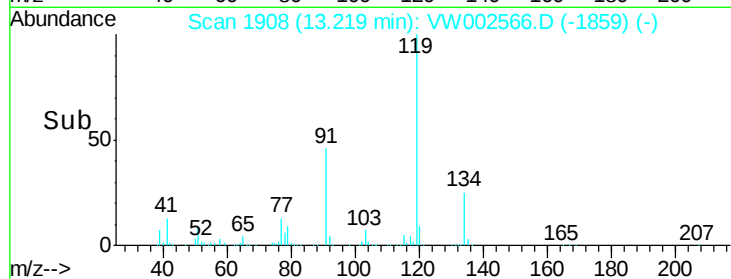
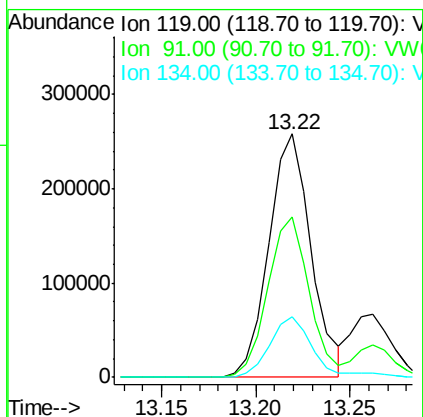
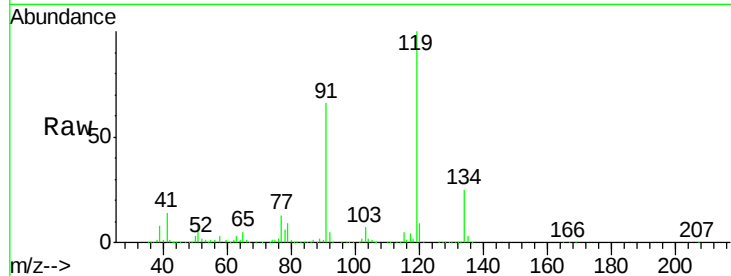




#83
 tert-Butylbenzene
 Concen: 53.60 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

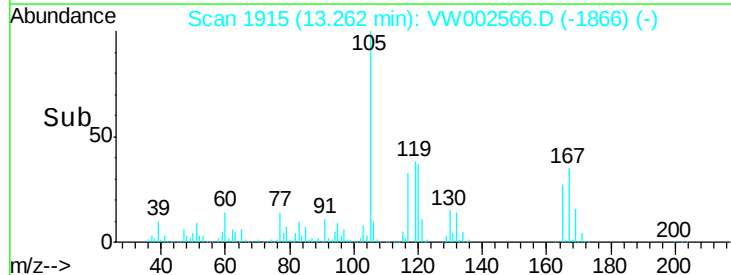
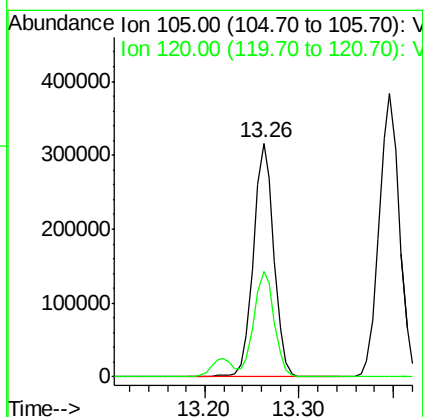
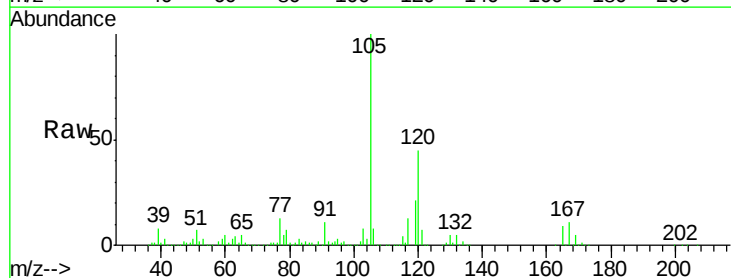
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

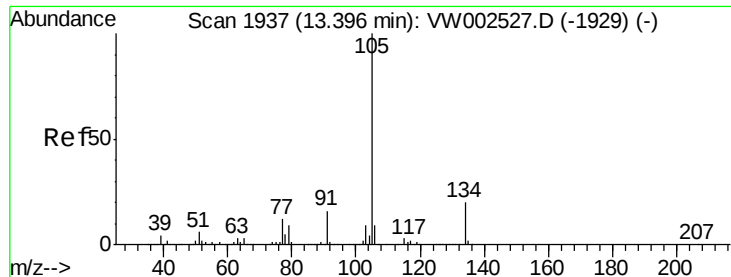
Tgt Ion:119 Resp: 401182
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.5 97.5
 134 25.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.75 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion:105 Resp: 483578
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9

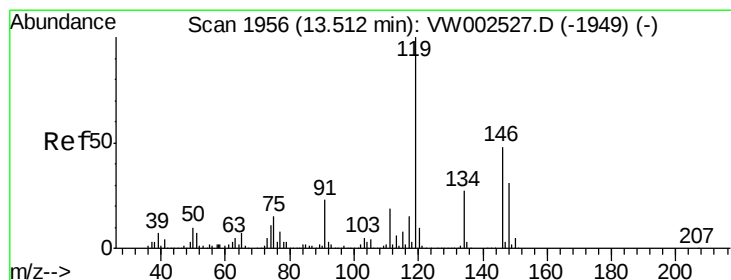
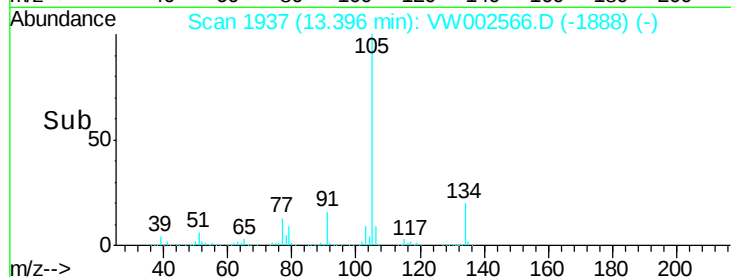
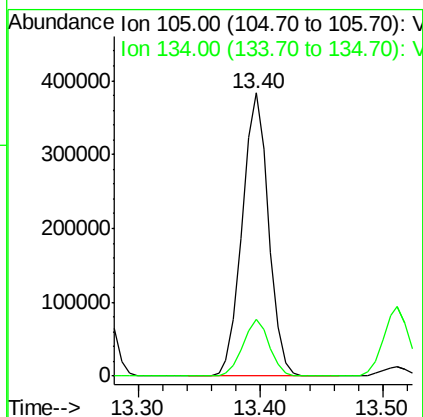
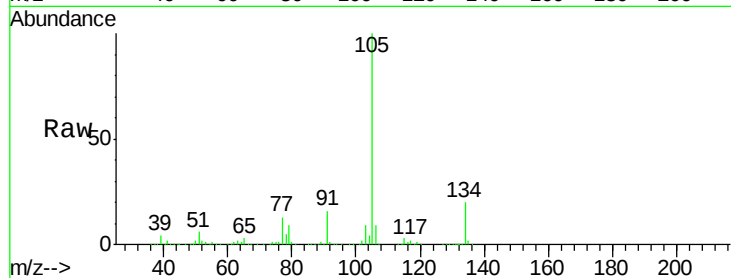




#85
 sec-Butylbenzene
 Concen: 52.99 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

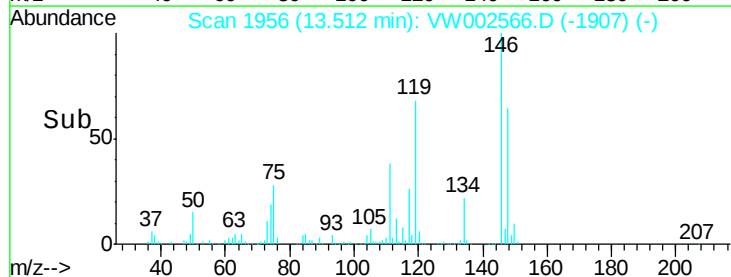
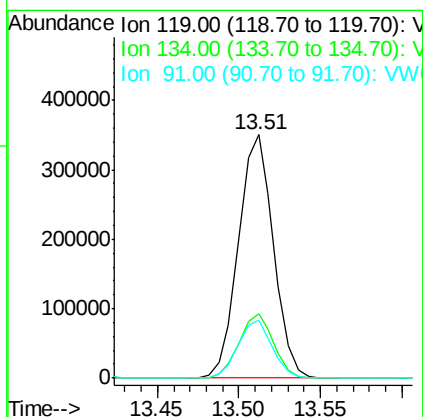
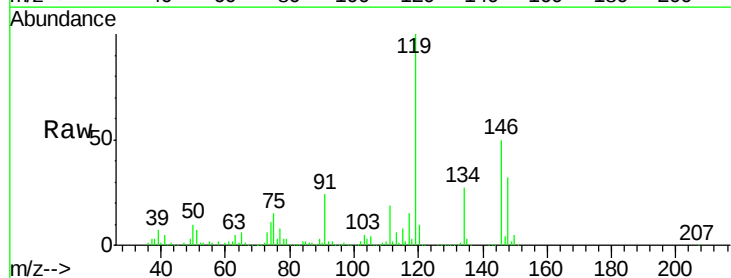
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

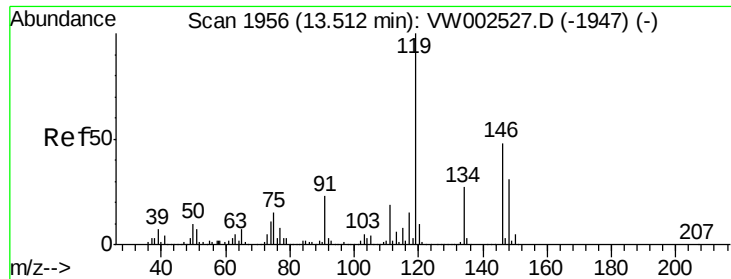
Tgt Ion:105 Resp: 569870
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 53.76 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion:119 Resp: 520054
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 23.3 11.6 34.8

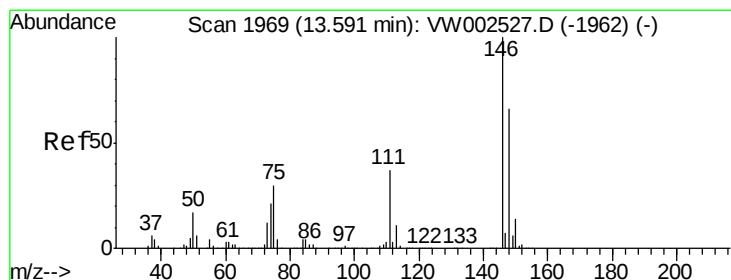
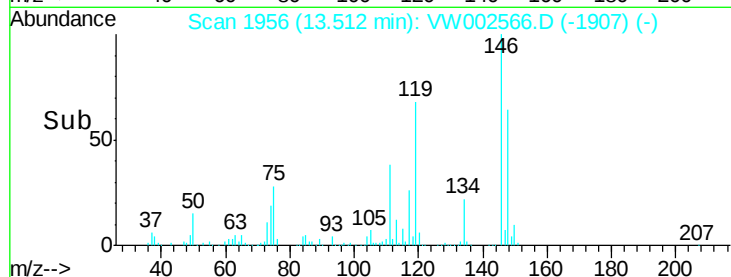
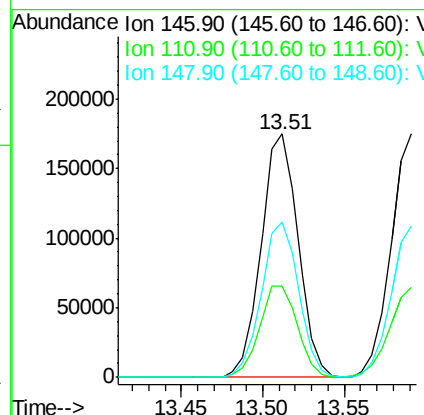
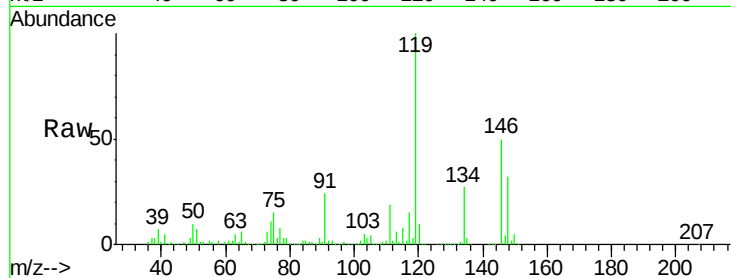




#87
 1,3-Dichlorobenzene
 Concen: 52.65 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

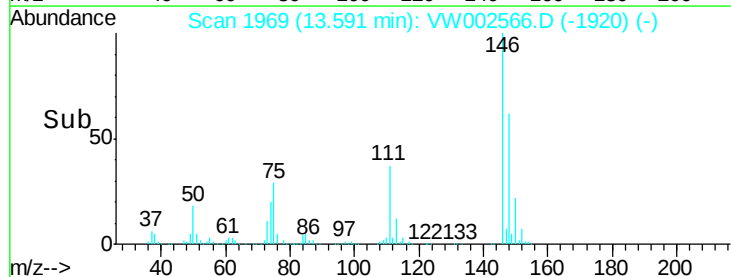
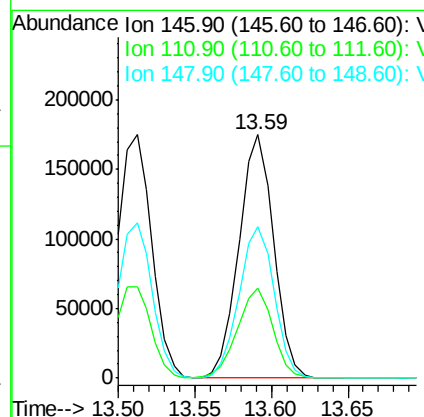
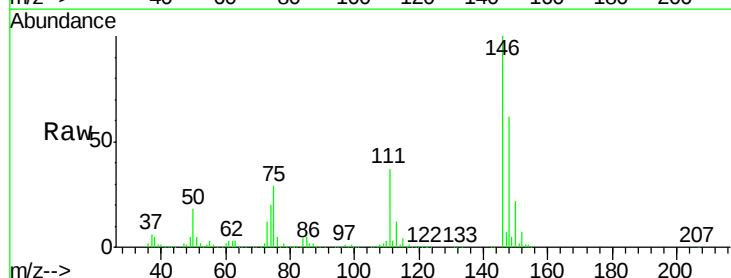
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

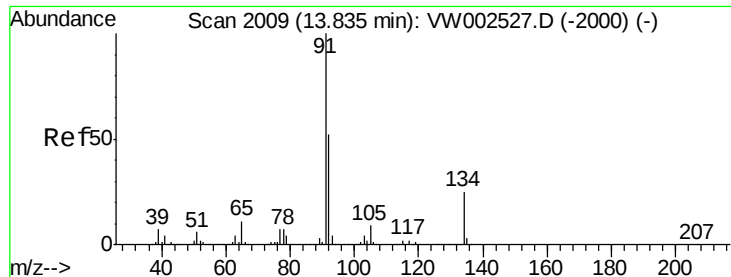
Tgt Ion:146 Resp: 275950
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.7
 148 64.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 52.94 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion:146 Resp: 276036
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.5
 148 63.4 32.4 97.0





#89

n-Butylbenzene

Concen: 53.47 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

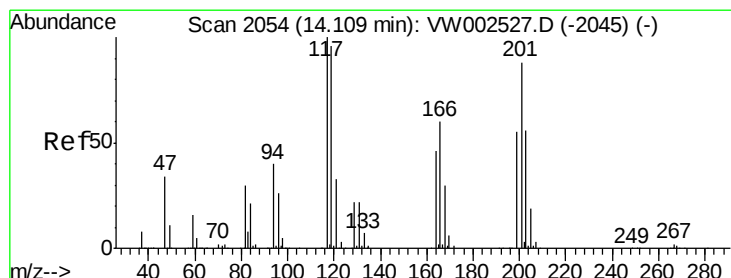
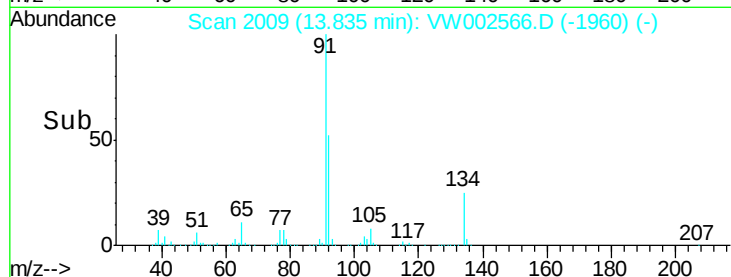
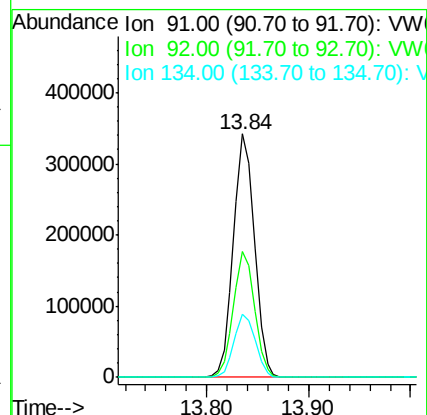
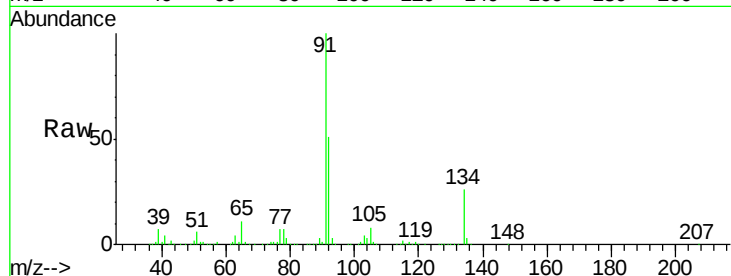
Tgt Ion: 91 Resp: 489200

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.2

134 26.3 13.1 39.1



#90

Hexachloroethane

Concen: 54.06 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VW002566.D

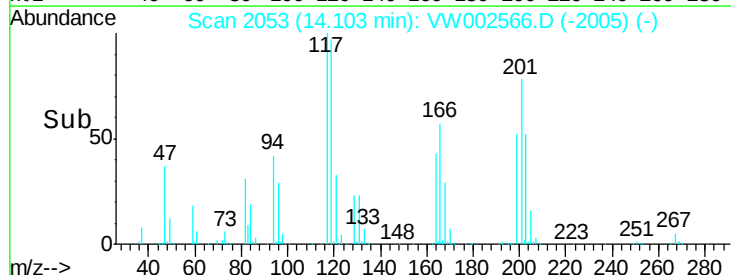
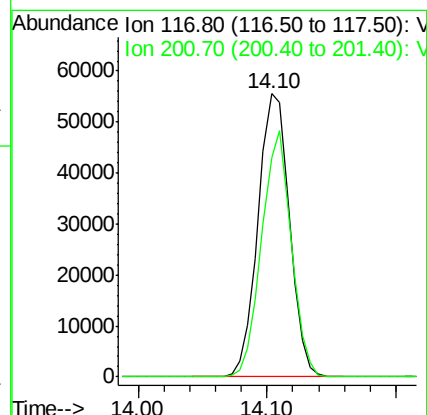
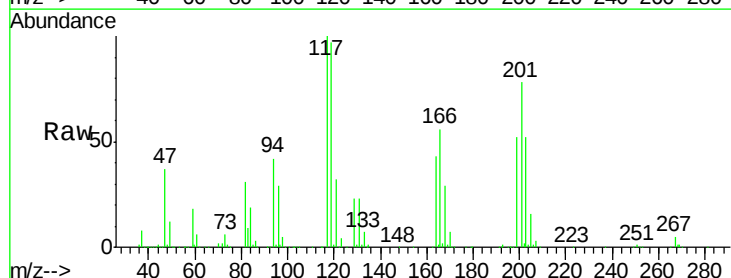
Acq: 15 May 2018 23:16

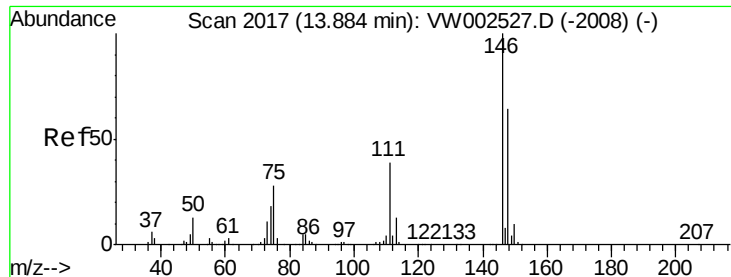
Tgt Ion: 117 Resp: 93642

Ion Ratio Lower Upper

117 100

201 81.9 42.0 126.0





#91

1,2-Dichlorobenzene

Concen: 53.45 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

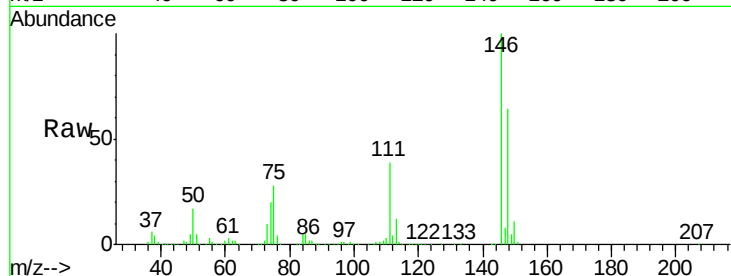
Tgt Ion:146 Resp: 254162

Ion Ratio Lower Upper

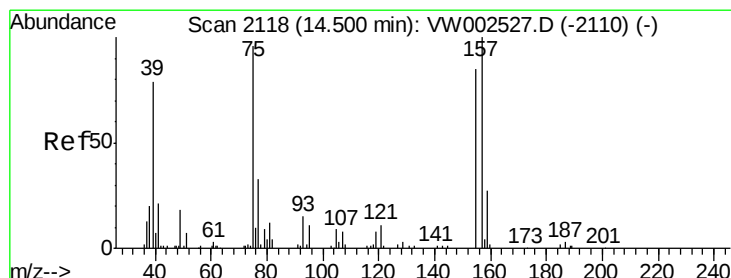
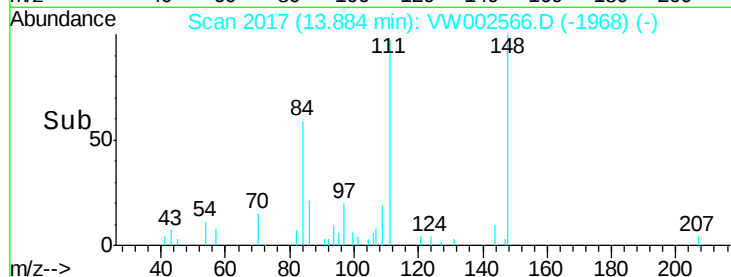
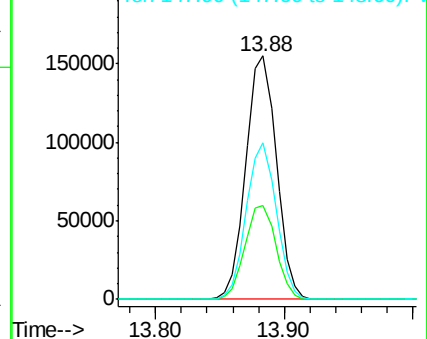
146 100

111 39.5 19.9 59.6

148 63.1 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.38 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VW002566.D

Acq: 15 May 2018 23:16

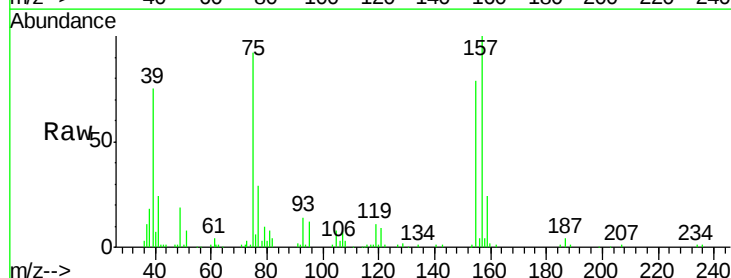
Tgt Ion: 75 Resp: 20832

Ion Ratio Lower Upper

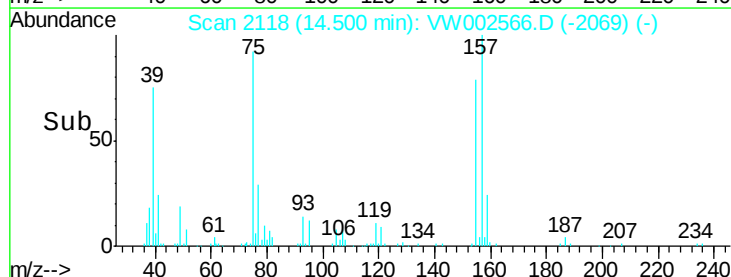
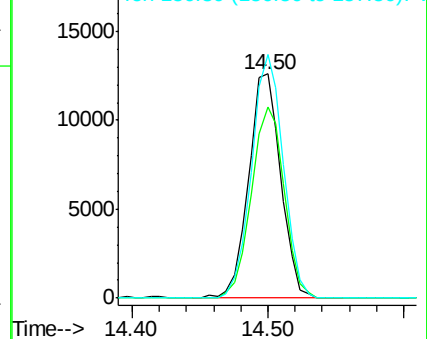
75 100

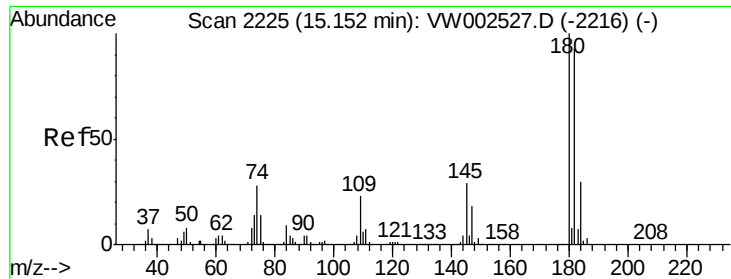
155 87.1 42.8 128.4

157 107.4 57.4 172.0



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

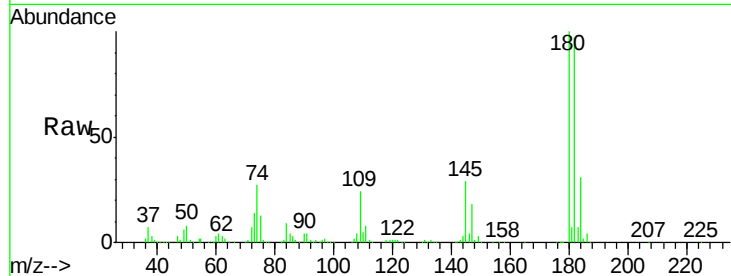




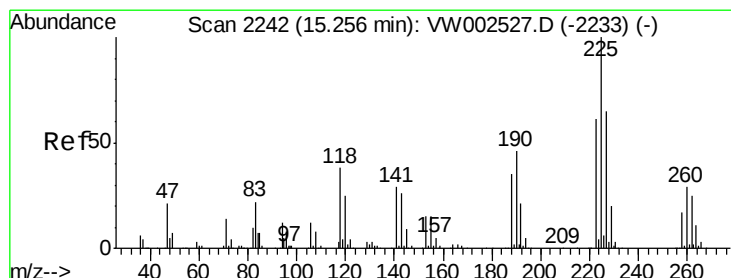
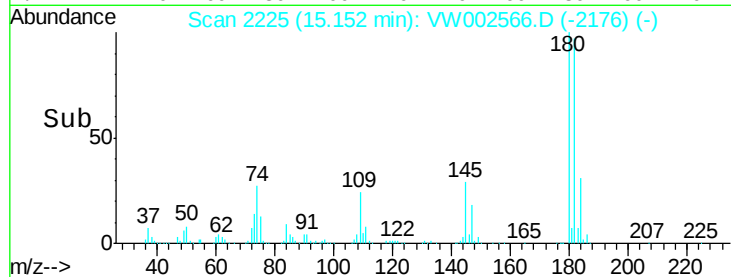
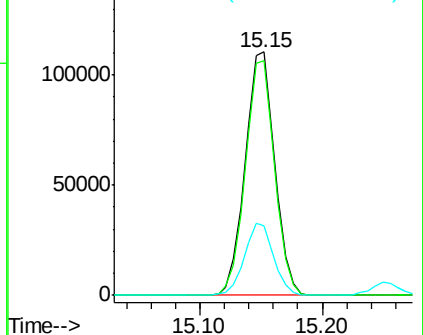
#93
 1,2,4-Trichlorobenzene
 Concen: 53.69 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 185877
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.2 141.6
 145 29.3 14.9 44.9

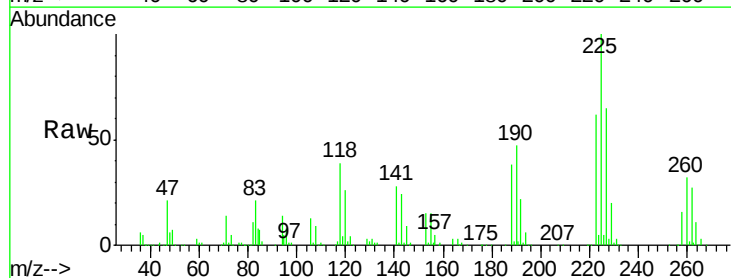


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

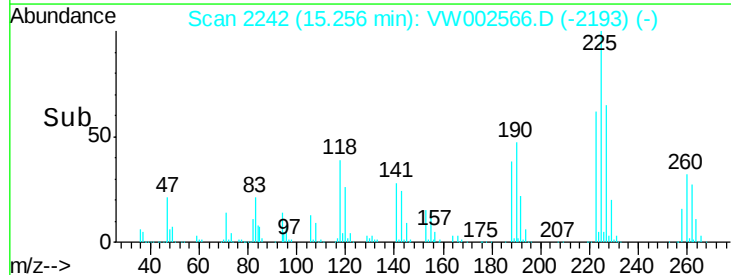
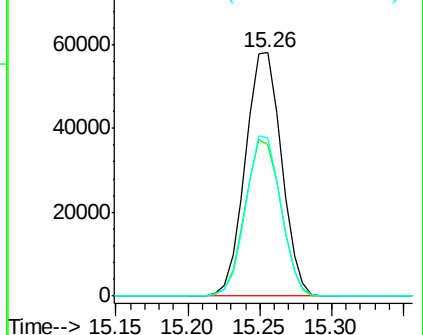


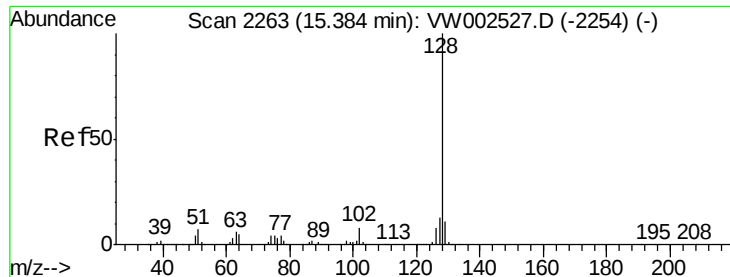
#94
 Hexachlorobutadiene
 Concen: 52.36 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002566.D
 Acq: 15 May 2018 23:16

Tgt Ion:225 Resp: 100860
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.3 93.9
 227 64.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 80000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

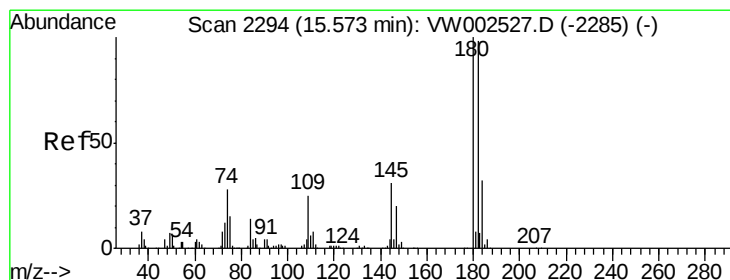
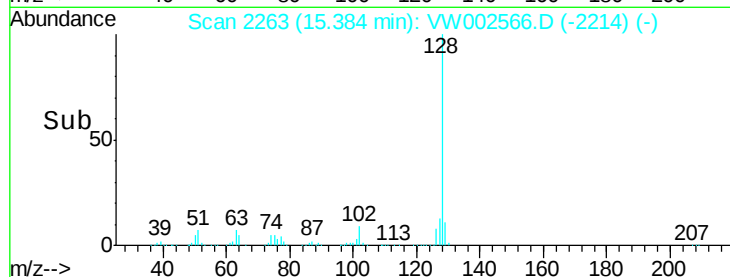
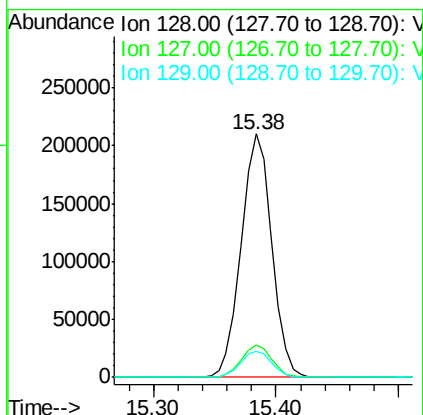
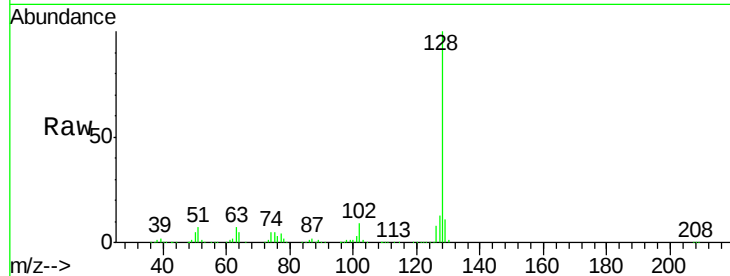




#95
Naphthalene
Concen: 57.93 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 364638
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.99 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002566.D
Acq: 15 May 2018 23:16

Tgt Ion:180 Resp: 167249
Ion Ratio Lower Upper
180 100
182 96.1 47.3 141.8
145 31.1 15.5 46.5

