

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006142.D
 Acq On : 17 Oct 2018 22:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 11.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 18 10:46:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121044	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	126623	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.33	98	473737	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	182502	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66963	46.59	ug/l	97
3) Chloromethane	2.21	50	86076	46.52	ug/l	98
4) Vinyl Chloride	2.37	62	130729	49.48	ug/l	99
5) Bromomethane	2.79	94	117414	48.86	ug/l	99
6) Chloroethane	2.93	64	91842	48.50	ug/l	100
7) Trichlorofluoromethane	3.26	101	117707	47.82	ug/l	100
8) Diethyl Ether	3.68	74	66690	50.98	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131385	50.93	ug/l	99
10) Methyl Iodide	4.27	142	231820	54.00	ug/l	99
11) Tert butyl alcohol	5.22	59	38481	237.61	ug/l	98
12) 1,1-Dichloroethene	4.03	96	124354	51.24	ug/l	95
13) Acrolein	3.90	56	38493	245.64	ug/l	94
14) Allyl chloride	4.67	41	179993	51.87	ug/l	100
15) Acrylonitrile	5.38	53	119134	253.91	ug/l	99
16) Acetone	4.14	43	102950	226.50	ug/l	99
17) Carbon Disulfide	4.38	76	362385	49.48	ug/l	99
18) Methyl Acetate	4.68	43	64506	53.23	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	195187	52.81	ug/l	98
20) Methylene Chloride	4.92	84	136156	53.55	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	141548	52.26	ug/l	99
22) Diisopropyl ether	6.32	45	365776	53.34	ug/l	99
23) Vinyl Acetate	6.26	43	1012495	250.20	ug/l	100
24) 1,1-Dichloroethane	6.21	63	237212	53.61	ug/l	99
25) 2-Butanone	7.18	43	155924	239.69	ug/l	98
26) 2,2-Dichloropropane	7.17	77	151208	48.45	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160797	53.79	ug/l	99
28) Bromochloromethane	7.51	49	92577	54.20	ug/l	96
29) Tetrahydrofuran	7.54	42	98555	246.48	ug/l	99
30) Chloroform	7.68	83	256652	53.24	ug/l	98
31) Cyclohexane	7.96	56	207147	47.01	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	226381	52.06	ug/l	99
36) 1,1-Dichloropropene	8.09	75	199998	51.70	ug/l	99
37) Ethyl Acetate	7.26	43	69230	48.17	ug/l	99
38) Carbon Tetrachloride	8.07	117	214938	50.69	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257828	50.14	ug/l	98
40) Benzene	8.33	78	557640	52.55	ug/l	98
41) Methacrylonitrile	7.49	41	45853	52.93	ug/l	96
42) 1,2-Dichloroethane	8.40	62	165472	53.08	ug/l	100
43) Isopropyl Acetate	8.43	43	144054	49.02	ug/l	100
44) Trichloroethene	9.10	130	171914	52.81	ug/l	99
45) 1,2-Dichloropropane	9.37	63	132536	52.20	ug/l	96
46) Dibromomethane	9.46	93	75542	52.20	ug/l	99
47) Bromodichloromethane	9.65	83	185150	52.77	ug/l	99
48) Methyl methacrylate	9.44	41	71237	51.14	ug/l	98
49) 1,4-Dioxane	9.48	88	22906	1028.18	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	359966	244.49	ug/l	99
52) Toluene	10.39	92	372873	52.42	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	179121	51.24	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	209692	52.27	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106245	52.46	ug/l	98
56) Ethyl methacrylate	10.65	69	128468	51.75	ug/l	97
57) 1,3-Dichloropropane	10.94	76	174156	51.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	234304	246.99	ug/l	98
59) 2-Hexanone	10.98	43	247841	235.82	ug/l	99
60) Dibromochloromethane	11.13	129	132274	52.44	ug/l	100
61) 1,2-Dibromoethane	11.24	107	106384	52.58	ug/l	100
64) Tetrachloroethene	10.87	164	159945	53.36	ug/l	98
65) Chlorobenzene	11.66	112	433494	52.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	156986	53.45	ug/l	99
67) Ethyl Benzene	11.74	91	750295	52.38	ug/l	100
68) m/p-Xylenes	11.84	106	590399	104.28	ug/l	100
69) o-Xylene	12.17	106	288125	53.40	ug/l	98
70) Styrene	12.19	104	465326	53.04	ug/l	100
71) Bromoform	12.35	173	81976	50.04	ug/l	99
73) Isopropylbenzene	12.47	105	794998	52.26	ug/l	100
74) N-amyl acetate	12.28	43	144461	48.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	119266	51.54	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	155224	94.37	ug/l #	100
77) Bromobenzene	12.75	156	198052	53.15	ug/l	99
78) n-propylbenzene	12.81	91	923204	52.16	ug/l	100
79) 2-Chlorotoluene	12.90	91	525900	52.88	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	673853	52.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31722	46.10	ug/l	98
82) 4-Chlorotoluene	12.99	91	554627	53.24	ug/l	99
83) tert-Butylbenzene	13.21	119	602933	52.54	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	687072	52.94	ug/l	100
85) sec-Butylbenzene	13.39	105	842226	51.95	ug/l	100
86) p-Isopropyltoluene	13.51	119	769837	52.50	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	392943	52.99	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	386822	52.39	ug/l	100
89) n-Butylbenzene	13.83	91	696074	51.91	ug/l	99
90) Hexachloroethane	14.10	117	126735	51.03	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	347369	52.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19756	47.69	ug/l	96

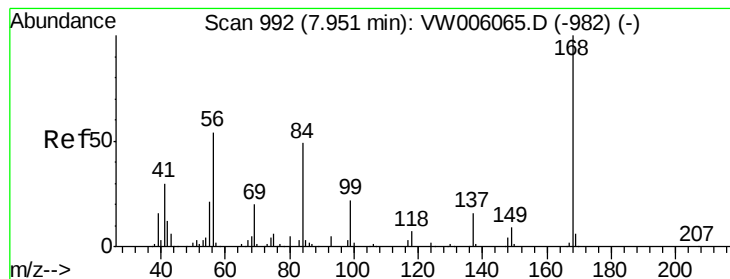
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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	264826	52.03	ug/l	99
94) Hexachlorobutadiene	15.24	225	166324	52.02	ug/l	99
95) Naphthalene	15.38	128	437010	51.61	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	229273	52.08	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

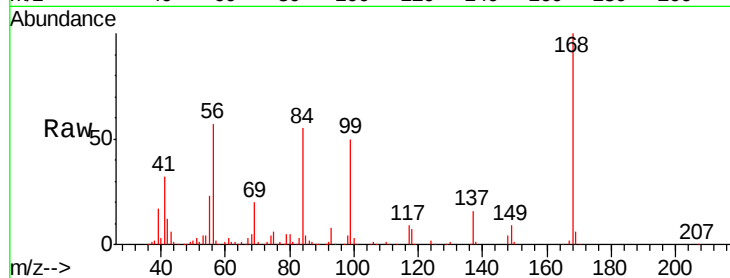
VSTDCCC050EC

Tgt Ion:168 Resp: 290450

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

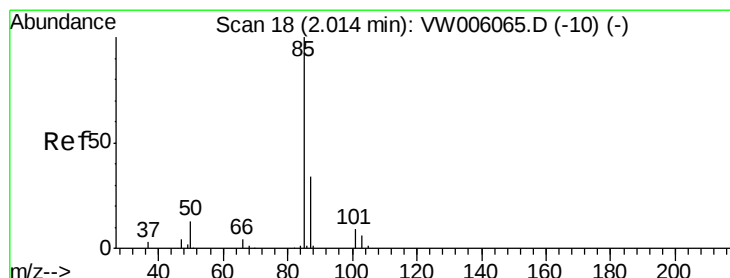
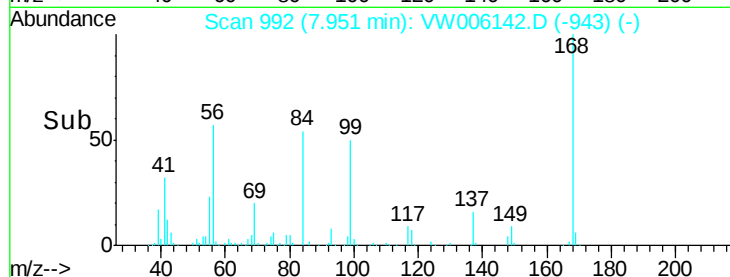
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.59 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006142.D

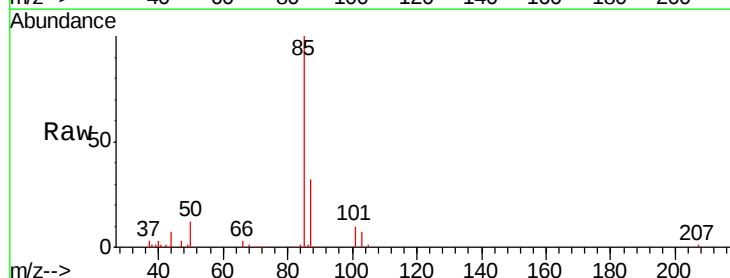
Acq: 17 Oct 2018 22:28

Tgt Ion: 85 Resp: 66963

Ion Ratio Lower Upper

85 100

87 31.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

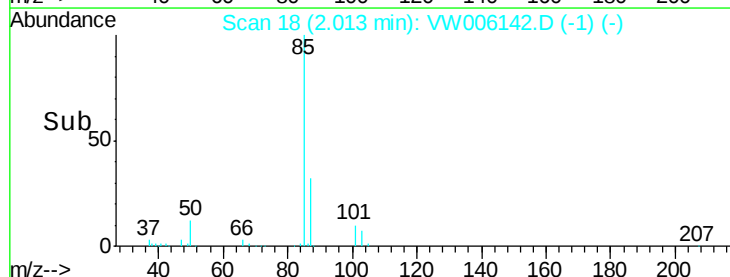
10000

5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.52 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

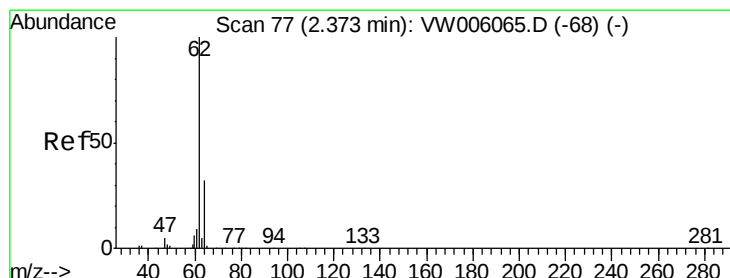
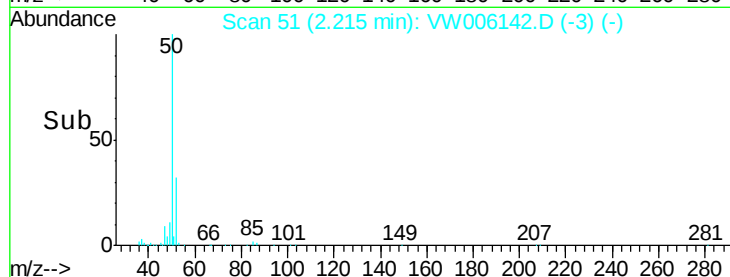
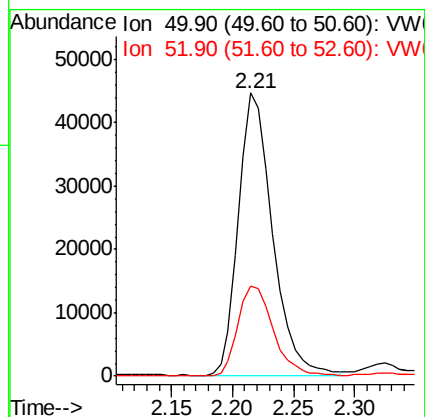
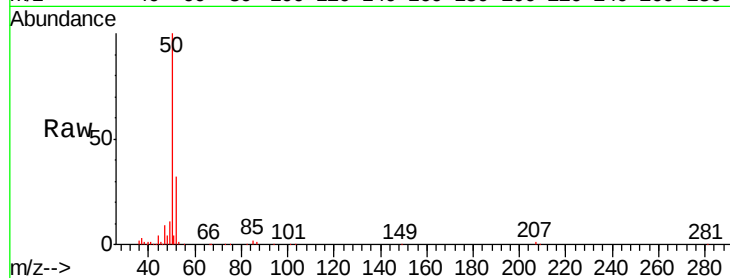
VSTDCCC050EC

Tgt Ion: 50 Resp: 86076

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2



#4

Vinyl Chloride

Concen: 49.48 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006142.D

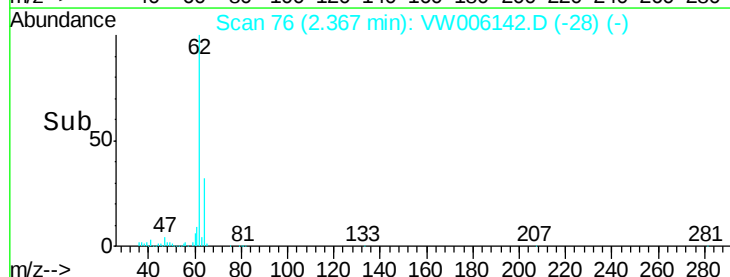
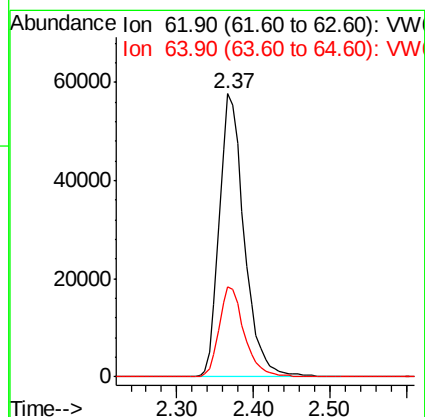
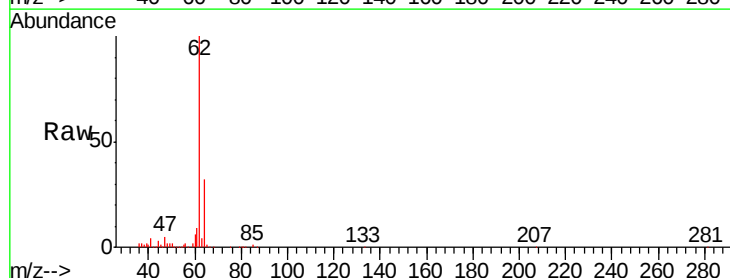
Acq: 17 Oct 2018 22:28

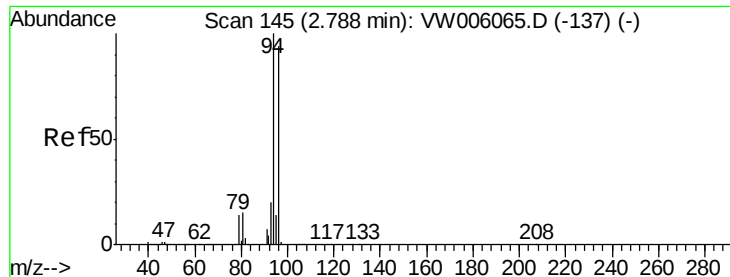
Tgt Ion: 62 Resp: 130729

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 48.86 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

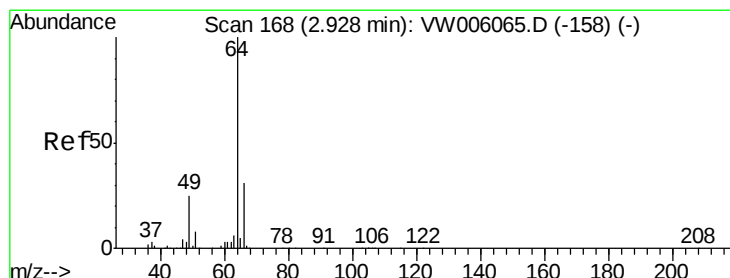
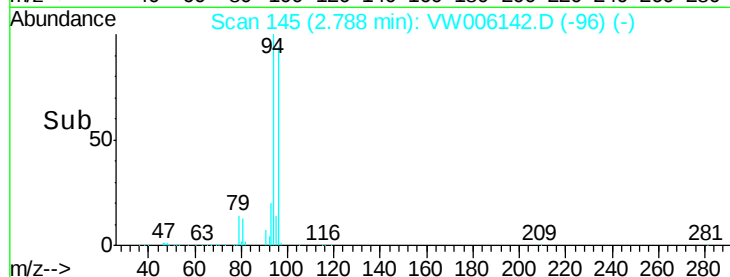
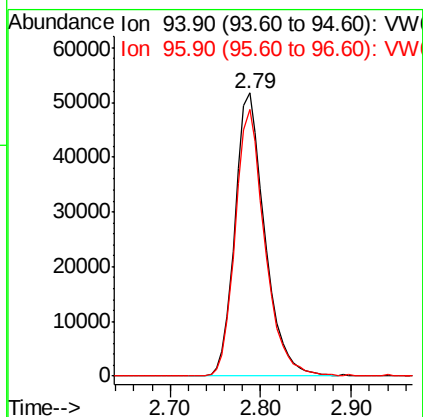
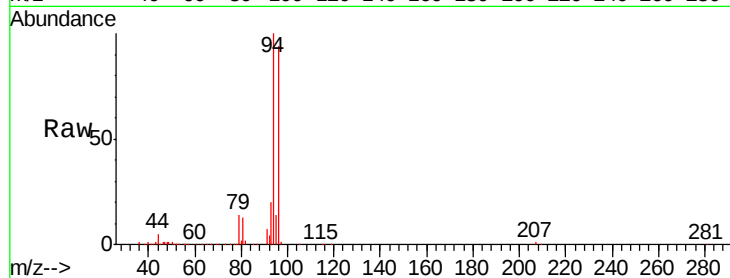
VSTDCCC050EC

Tgt Ion: 94 Resp: 117414

Ion Ratio Lower Upper

94 100

96 94.2 74.9 112.3



#6

Chloroethane

Concen: 48.50 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006142.D

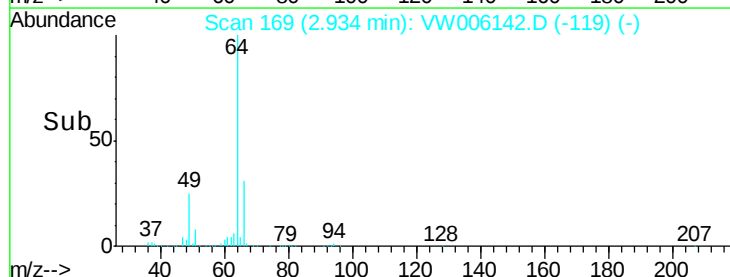
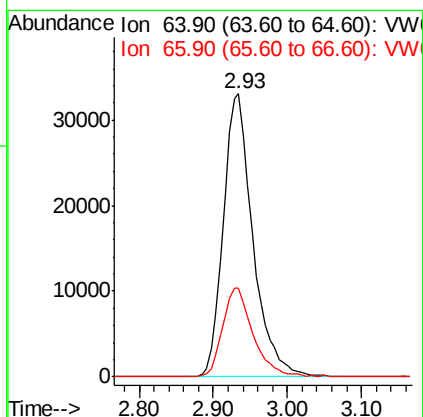
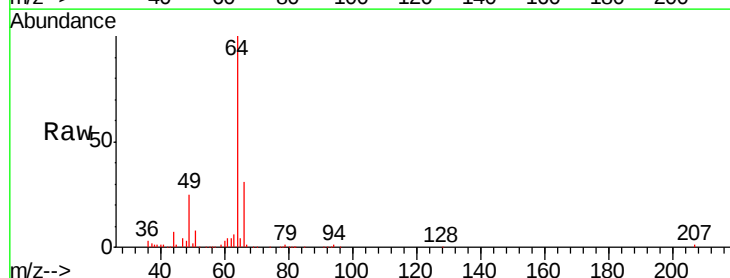
Acq: 17 Oct 2018 22:28

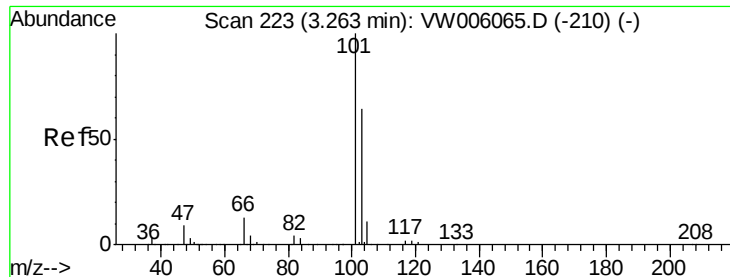
Tgt Ion: 64 Resp: 91842

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

Trichlorofluoromethane

Concen: 47.82 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

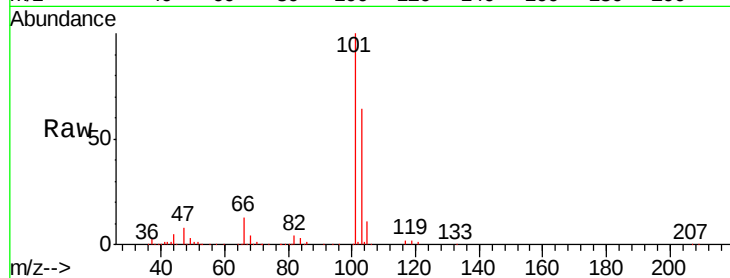
VSTDCCC050EC

Tgt Ion:101 Resp: 117707

Ion Ratio Lower Upper

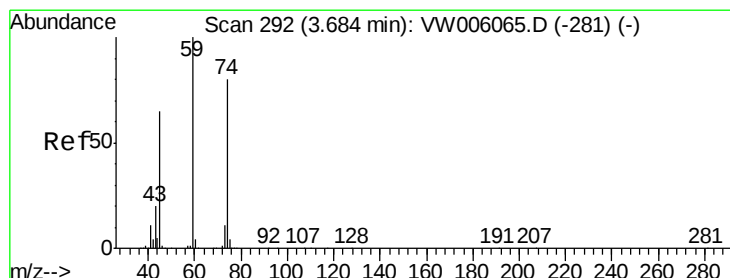
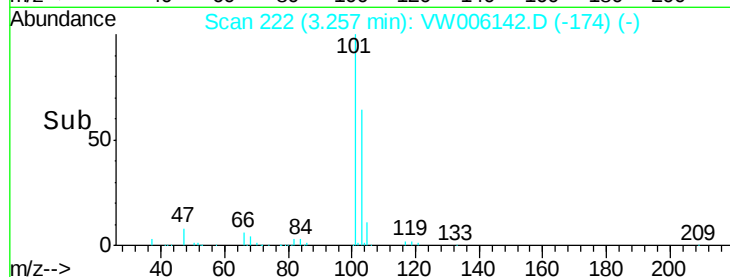
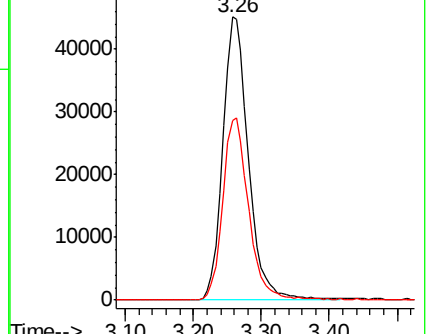
101 100

103 63.6 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.98 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006142.D

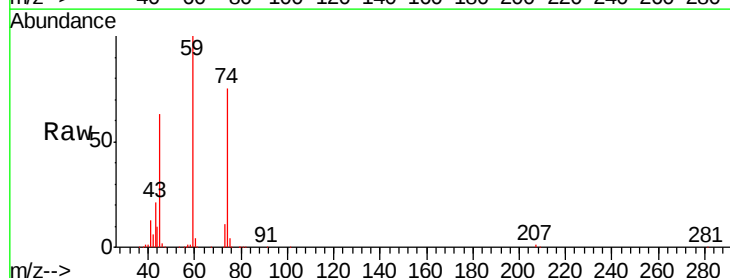
Acq: 17 Oct 2018 22:28

Tgt Ion: 74 Resp: 66690

Ion Ratio Lower Upper

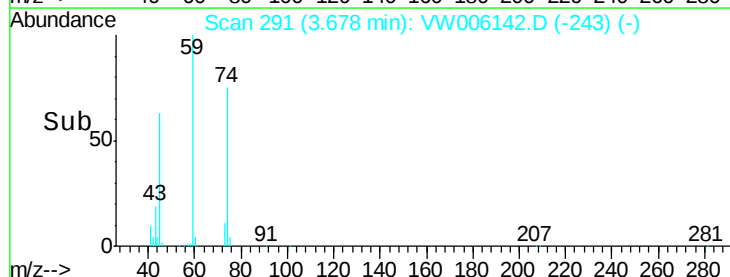
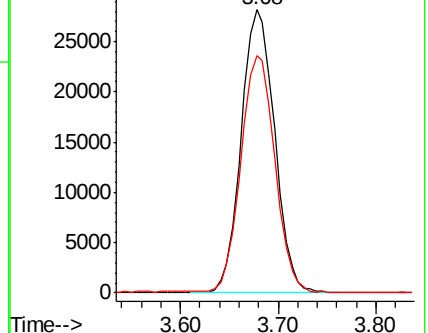
74 100

45 86.0 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.93 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

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VSTDCCC050EC

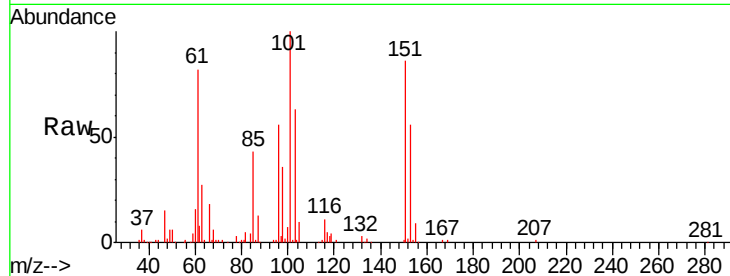
Tgt Ion:101 Resp: 131385

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

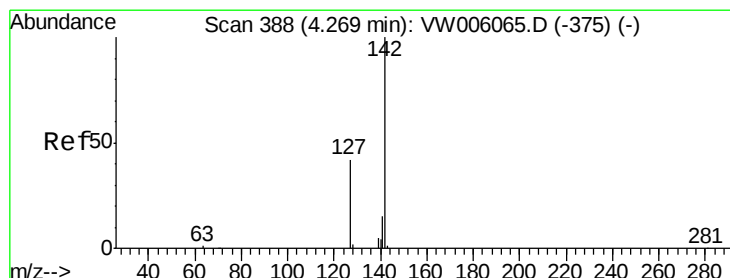
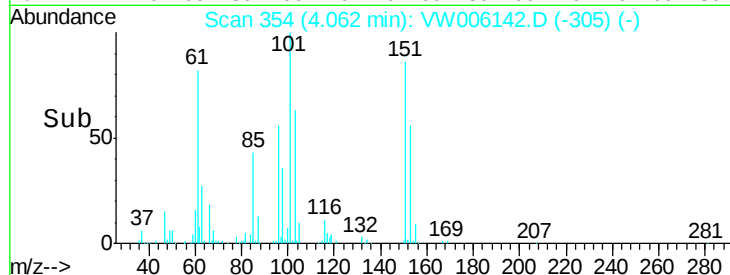
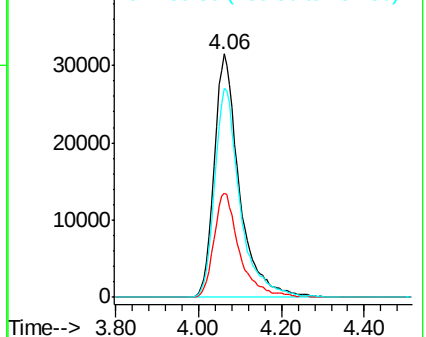
151 86.6 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.00 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

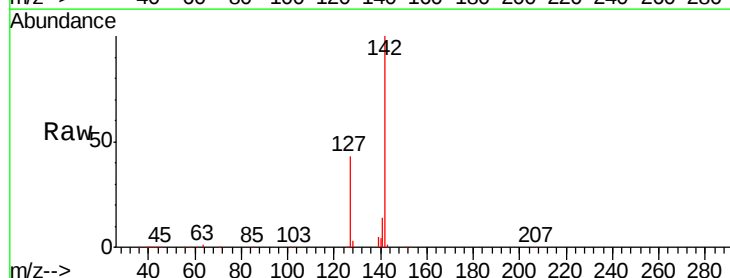
Tgt Ion:142 Resp: 231820

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

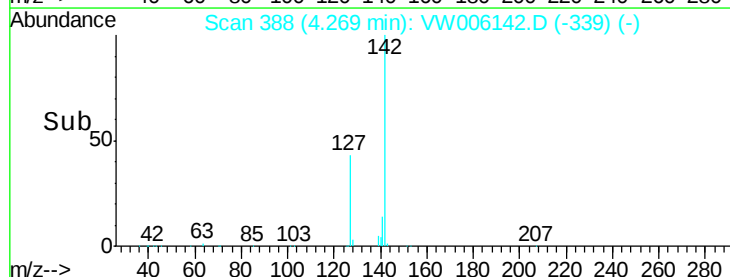
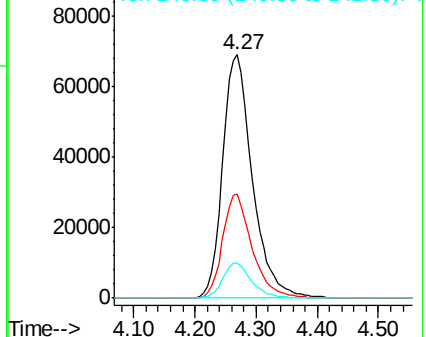
141 14.2 11.6 17.4

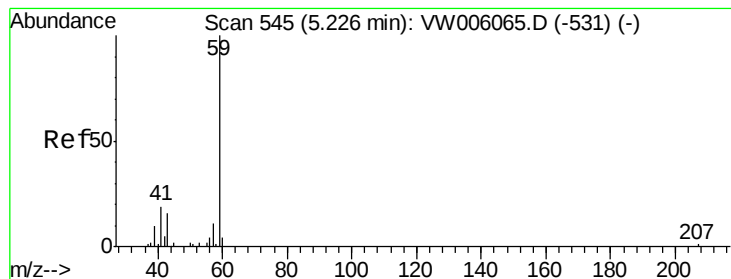


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



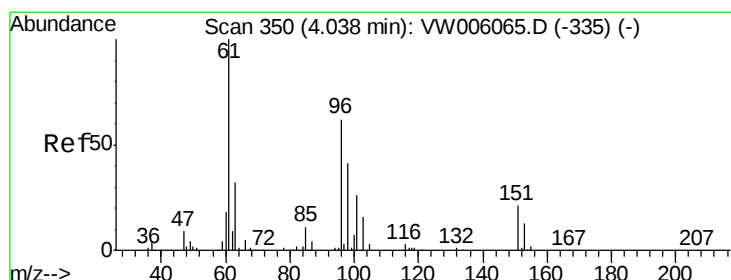
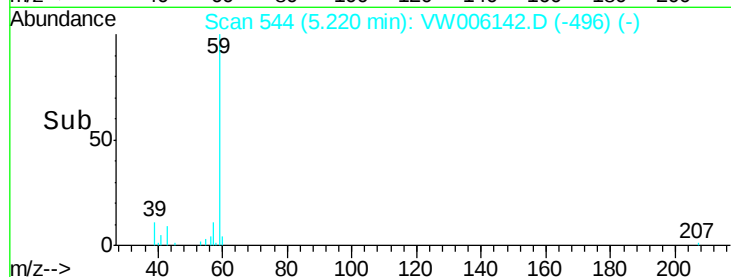
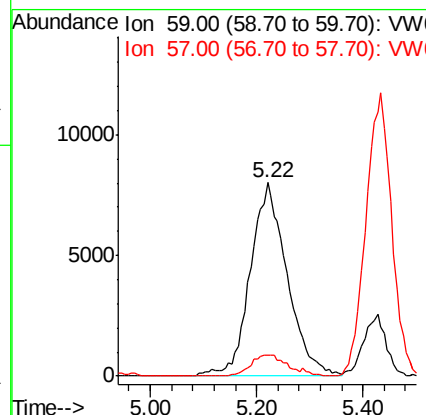
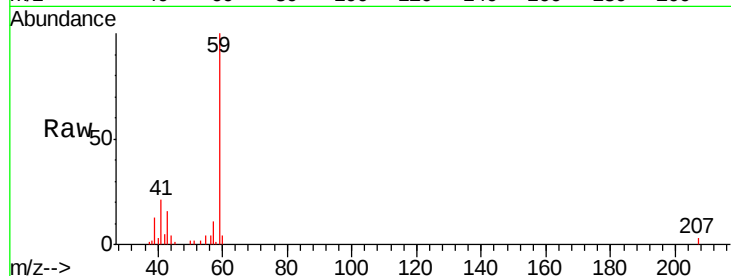


#11

Tert butyl alcohol
 Concen: 237.61 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

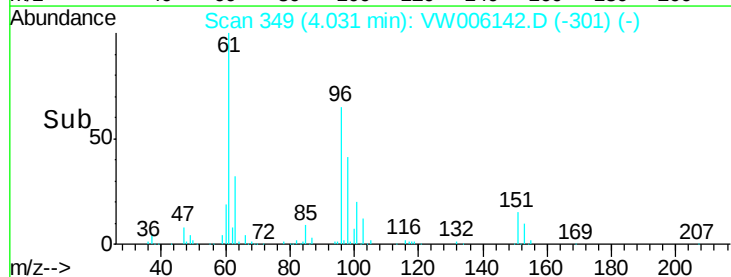
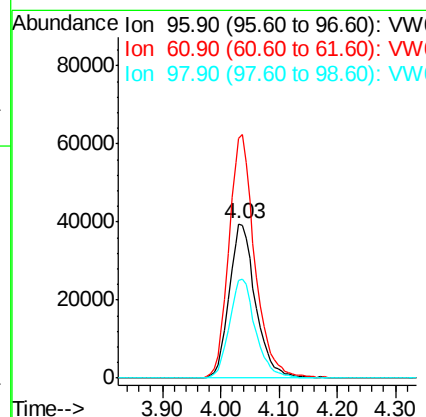
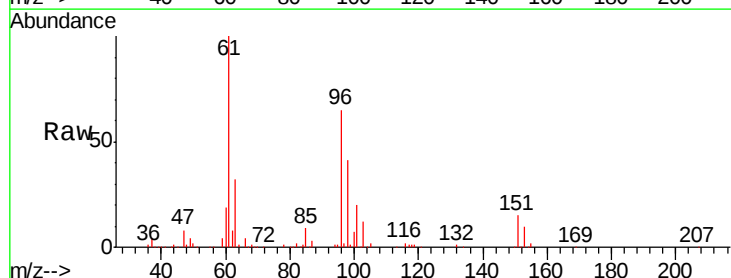
Tgt Ion: 59 Resp: 38481
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.7 13.1

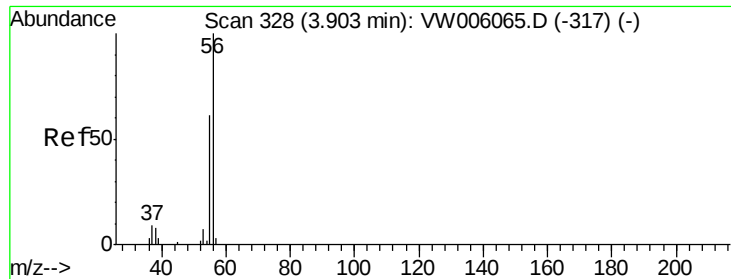


#12

1,1-Dichloroethene
 Concen: 51.24 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 96 Resp: 124354
 Ion Ratio Lower Upper
 96 100
 61 154.9 129.3 193.9
 98 63.2 53.1 79.7





#13

Acrolein

Concen: 245.64 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

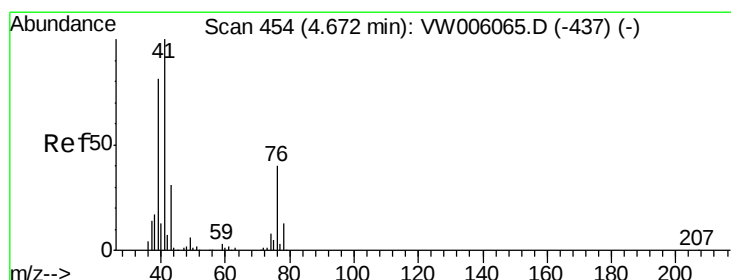
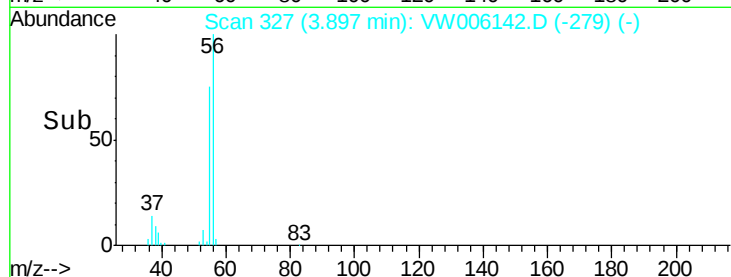
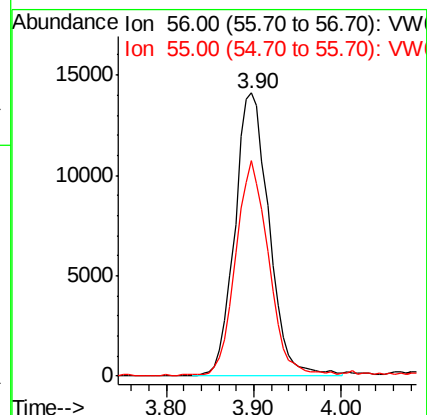
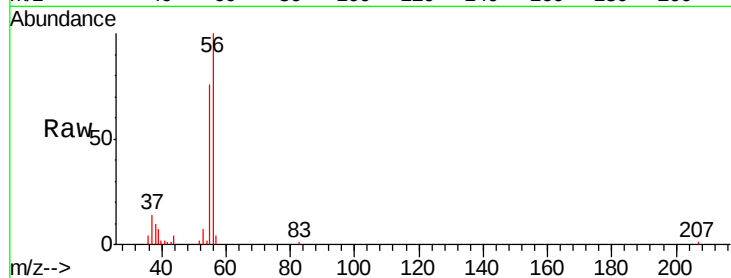
VSTDCCC050EC

Tgt Ion: 56 Resp: 38493

Ion Ratio Lower Upper

56 100

55 73.2 54.5 81.7



#14

Allyl chloride

Concen: 51.87 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

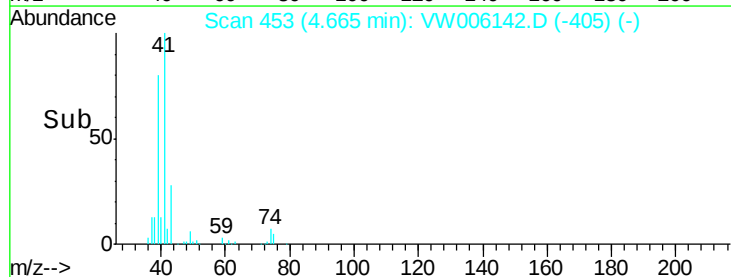
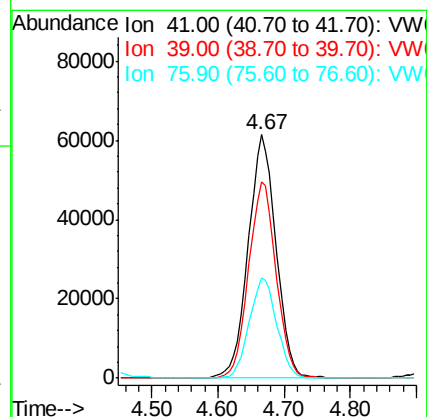
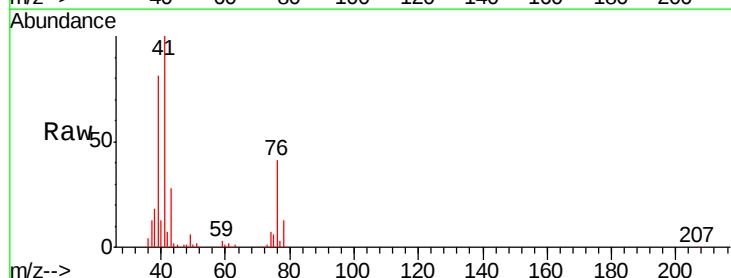
Tgt Ion: 41 Resp: 179993

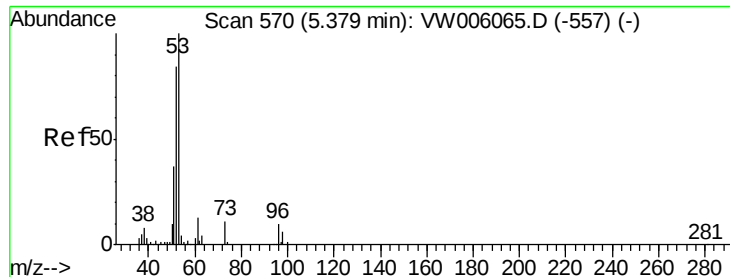
Ion Ratio Lower Upper

41 100

39 79.7 64.1 96.1

76 40.5 32.2 48.4

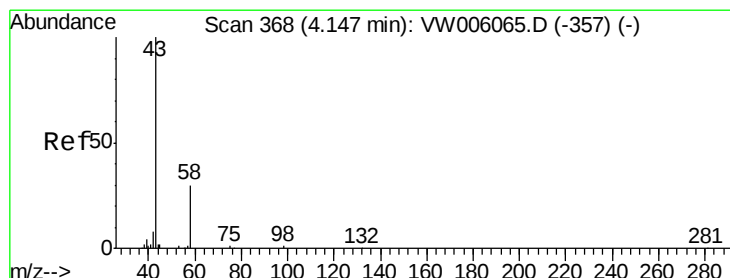
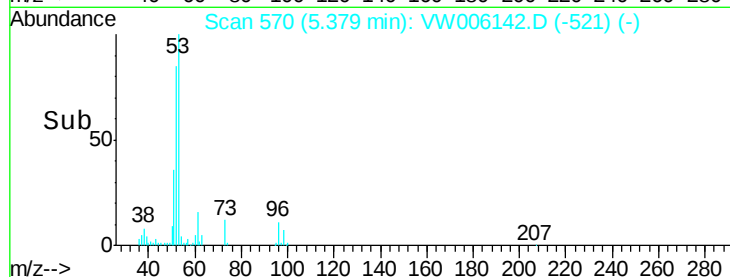
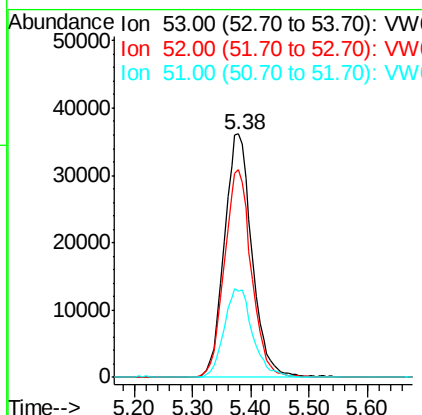
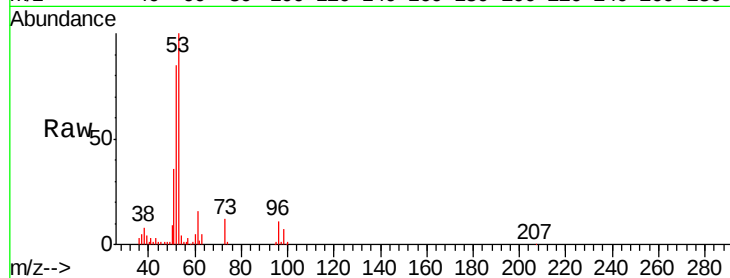




#15
 Acrylonitrile
 Concen: 253.91 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

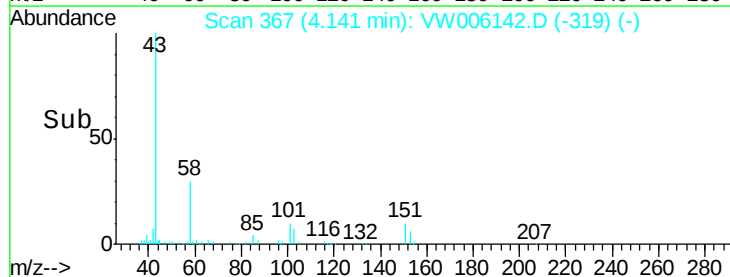
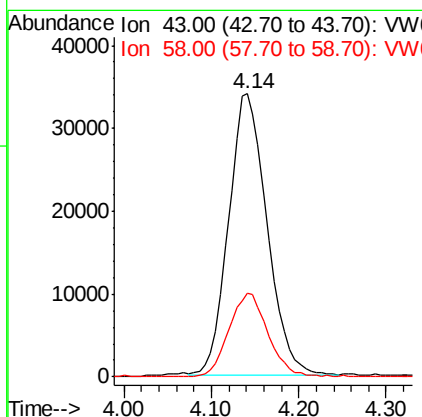
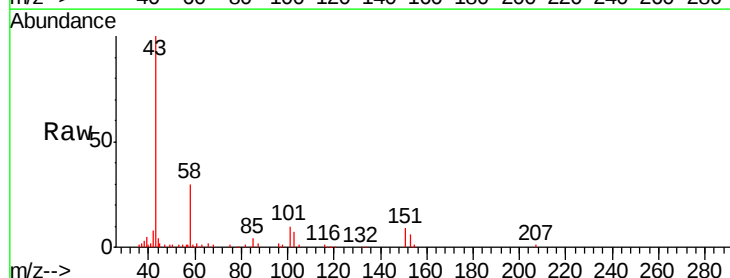
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

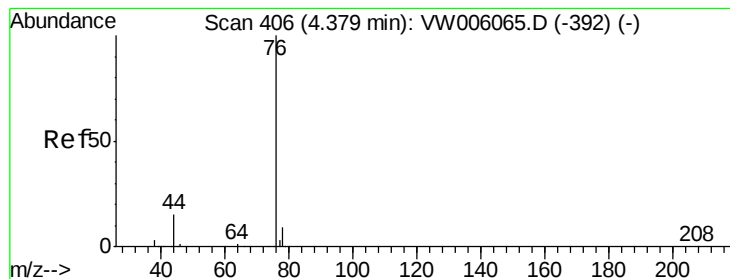
Tgt Ion: 53 Resp: 119134
 Ion Ratio Lower Upper
 53 100
 52 82.8 66.9 100.3
 51 37.7 30.1 45.1



#16
 Acetone
 Concen: 226.50 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 43 Resp: 102950
 Ion Ratio Lower Upper
 43 100
 58 29.7 24.0 36.0





#17

Carbon Disulfide

Concen: 49.48 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

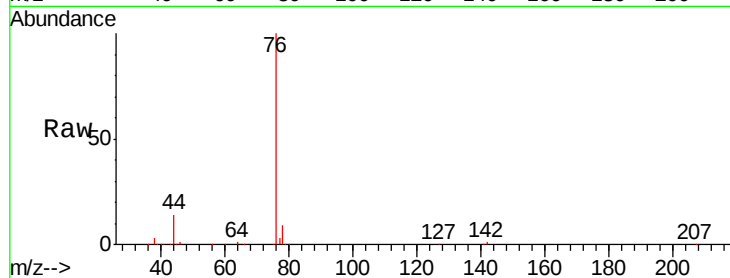
VSTDCCC050EC

Tgt Ion: 76 Resp: 362385

Ion Ratio Lower Upper

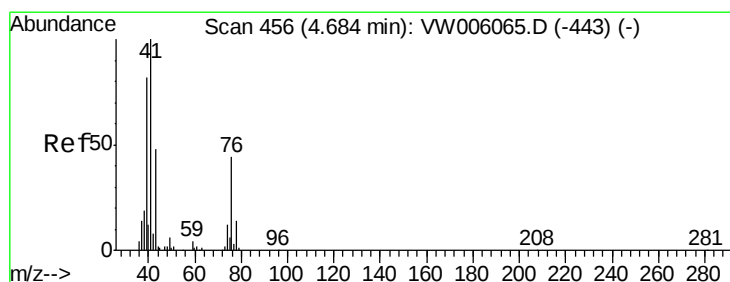
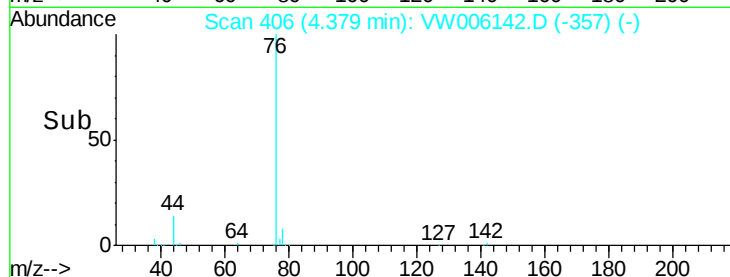
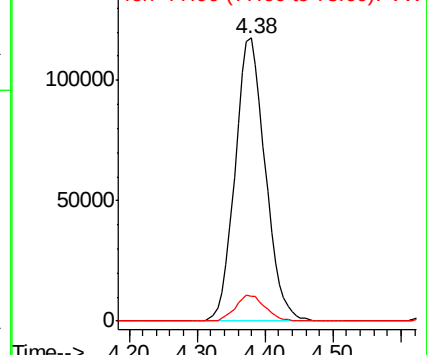
76 100

78 8.9 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: 53.23 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006142.D

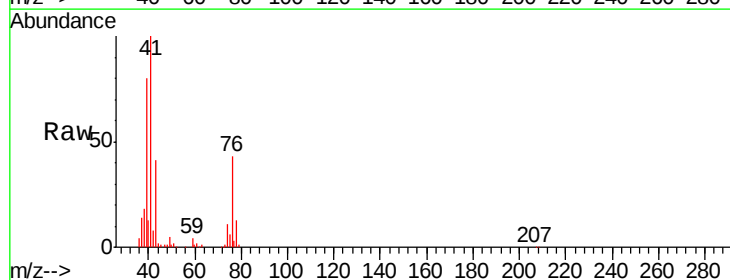
Acq: 17 Oct 2018 22:28

Tgt Ion: 43 Resp: 64506

Ion Ratio Lower Upper

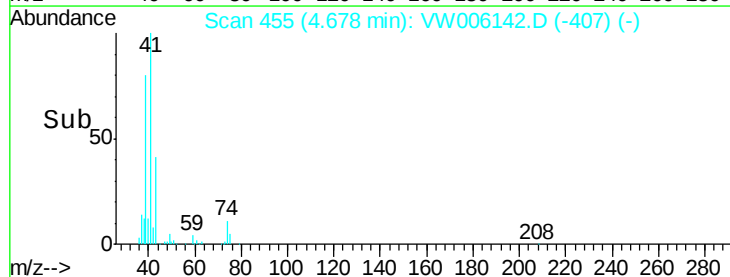
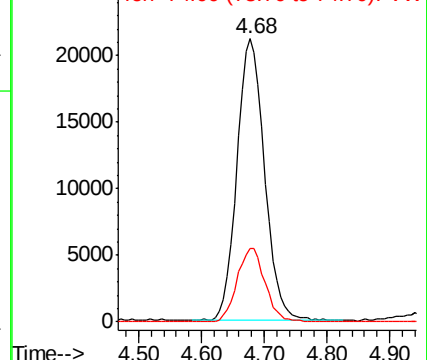
43 100

74 26.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

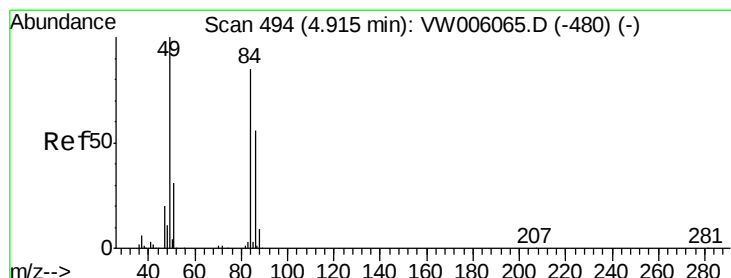
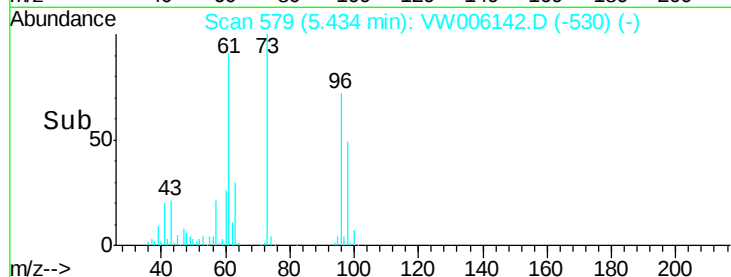
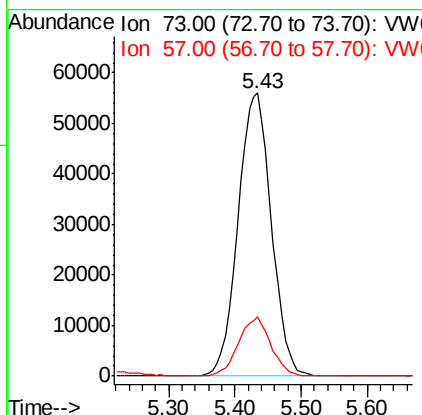
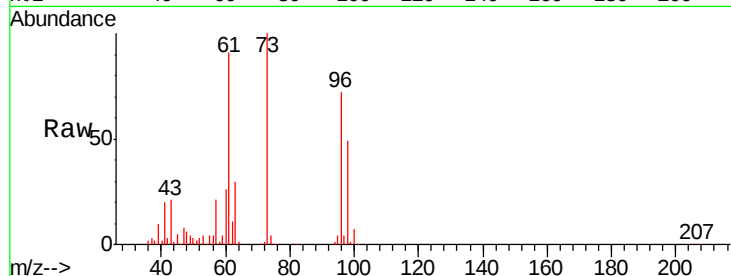




#19
Methyl tert-butyl Ether
Concen: 52.81 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

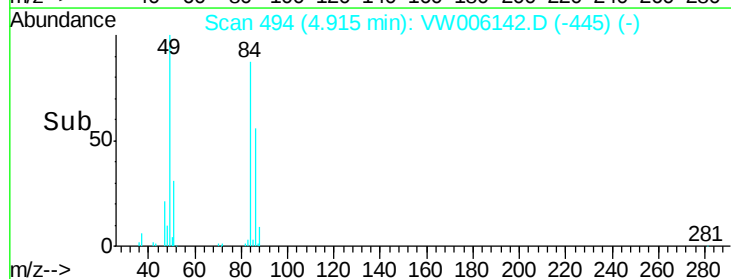
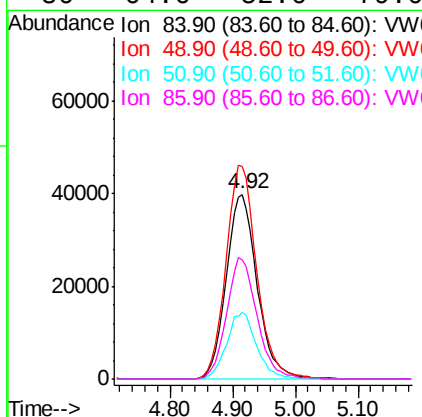
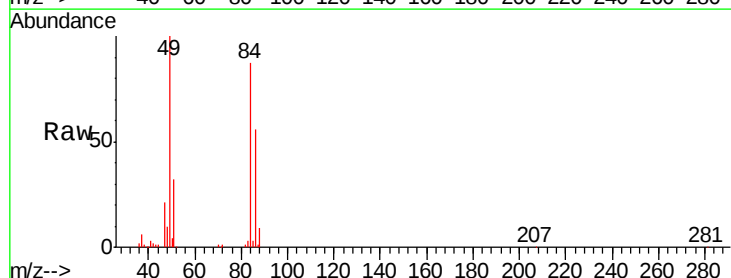
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

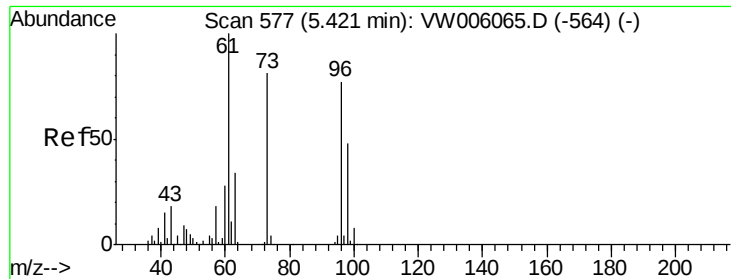
Tgt Ion: 73 Resp: 195187
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.2



#20
Methylene Chloride
Concen: 53.55 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 84 Resp: 136156
Ion Ratio Lower Upper
84 100
49 115.2 93.6 140.4
51 36.4 29.0 43.4
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.26 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

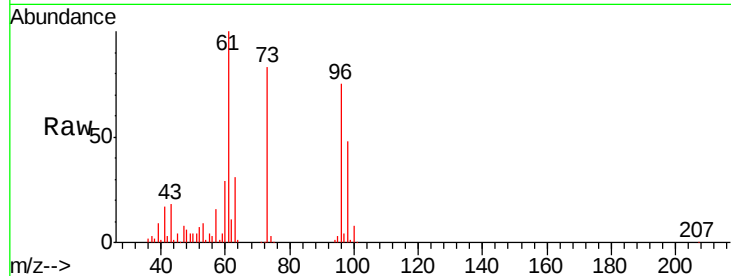
Tgt Ion: 96 Resp: 141548

Ion Ratio Lower Upper

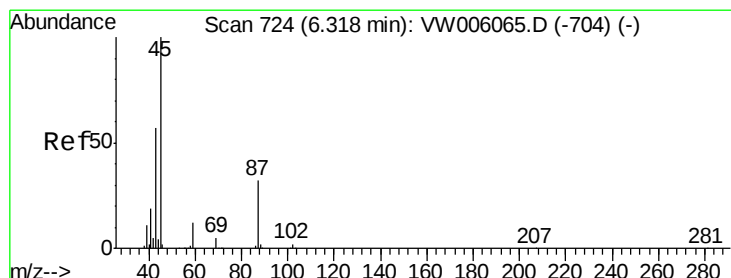
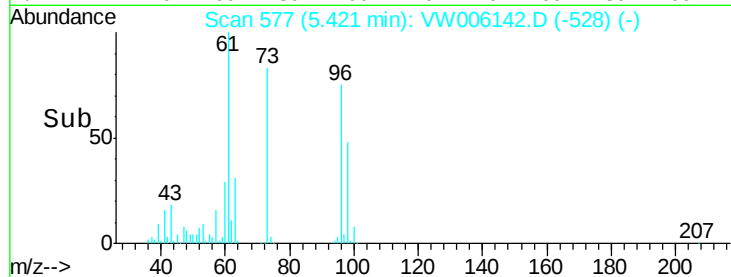
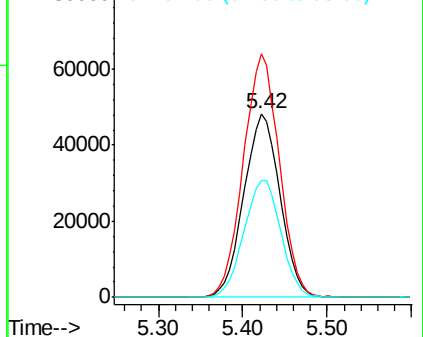
96 100

61 132.7 104.5 156.7

98 63.4 50.6 75.8



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



#22

Diisopropyl ether

Concen: 53.34 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion: 45 Resp: 365776

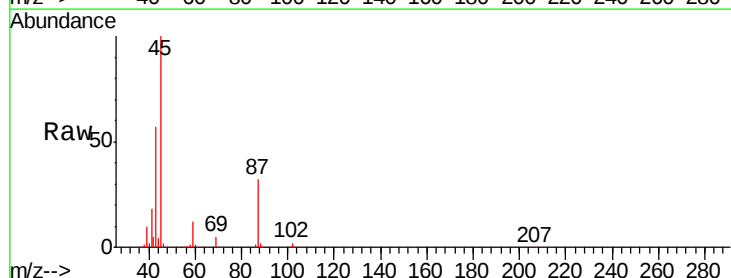
Ion Ratio Lower Upper

45 100

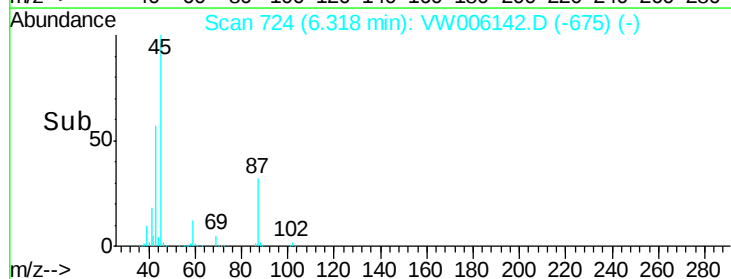
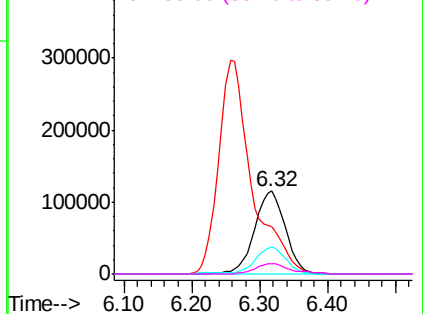
43 56.3 45.7 68.5

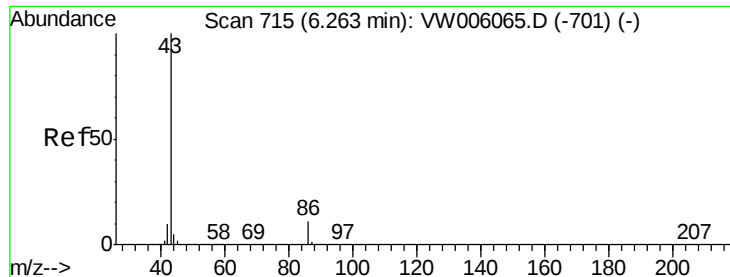
87 32.4 25.9 38.9

59 12.0 9.6 14.4



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





#23

Vinyl Acetate

Concen: 250.20 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

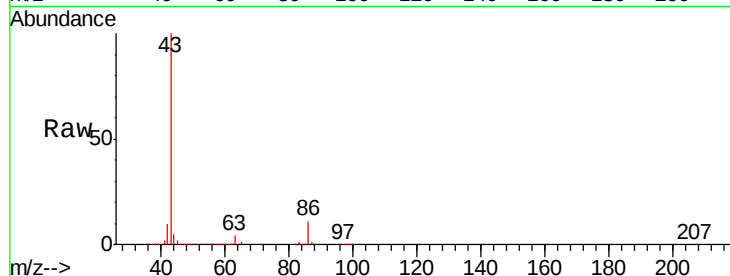
VSTDCCC050EC

Tgt Ion: 43 Resp: 1012495

Ion Ratio Lower Upper

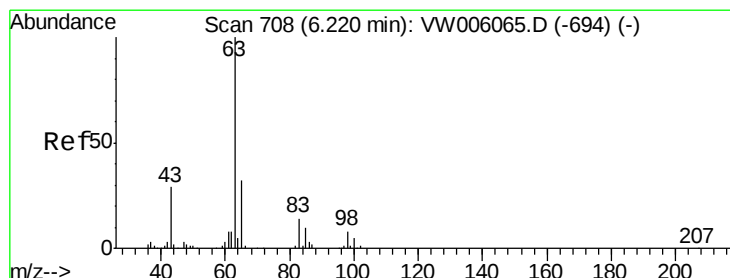
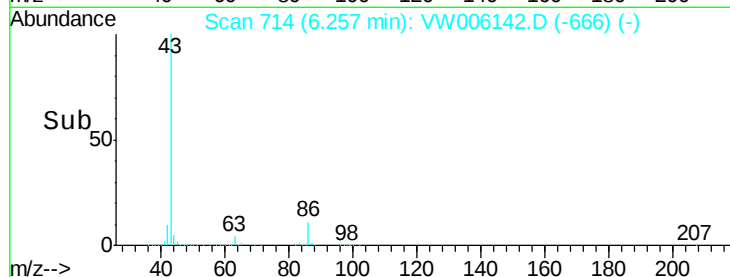
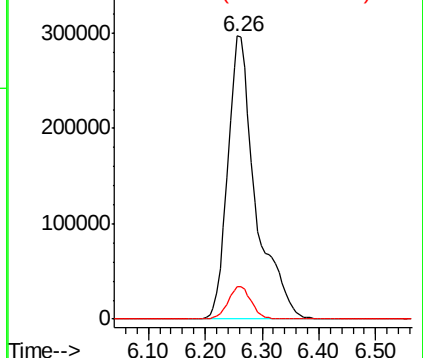
43 100

86 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.61 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

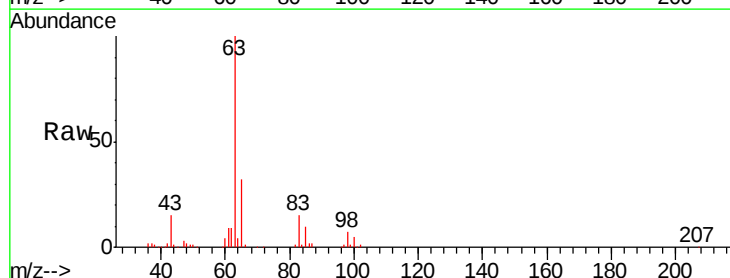
Tgt Ion: 63 Resp: 237212

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

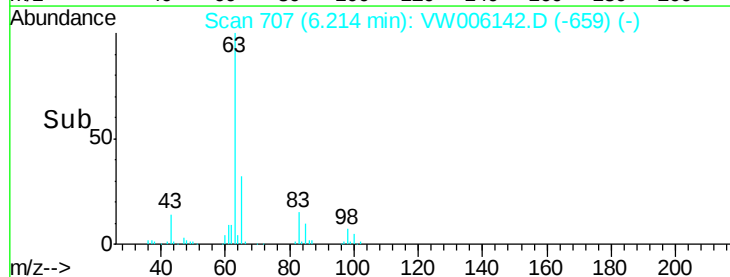
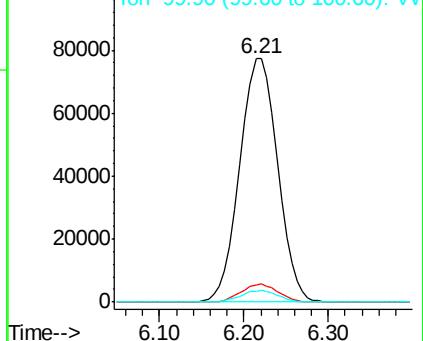
100 4.6 2.5 7.5



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: 239.69 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

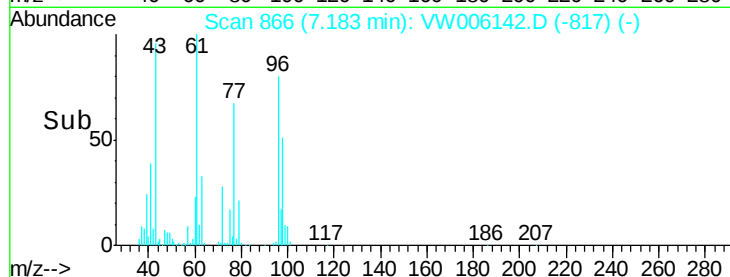
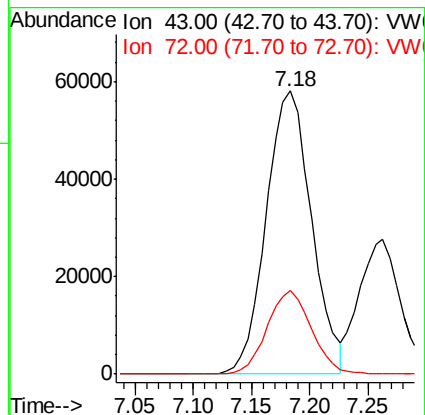
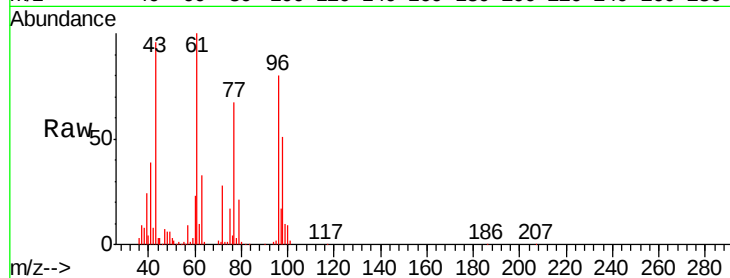
VSTDCCC050EC

Tgt Ion: 43 Resp: 155924

Ion Ratio Lower Upper

43 100

72 29.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 48.45 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006142.D

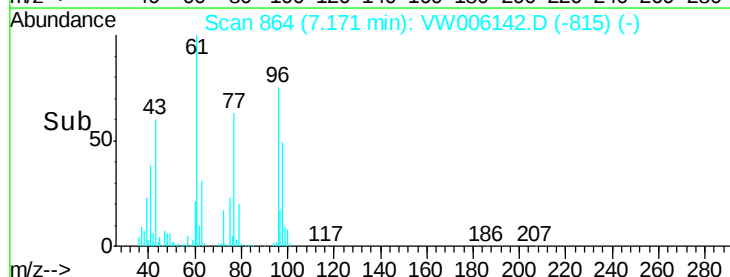
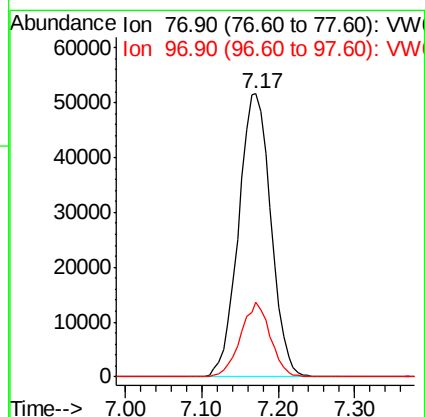
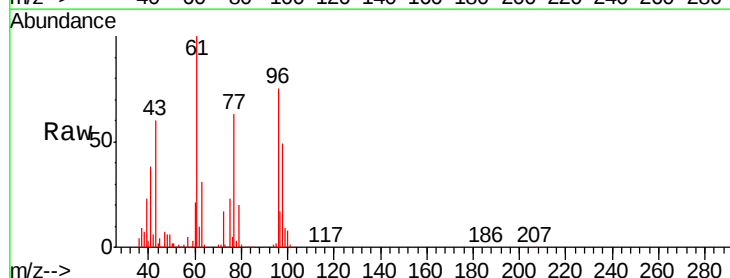
Acq: 17 Oct 2018 22:28

Tgt Ion: 77 Resp: 151208

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 53.79 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

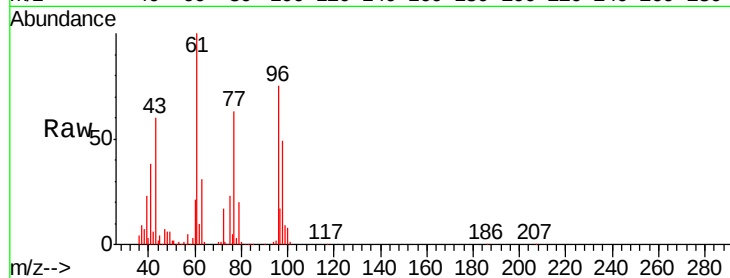
Tgt Ion: 96 Resp: 160797

Ion Ratio Lower Upper

96 100

61 132.8 0.0 267.2

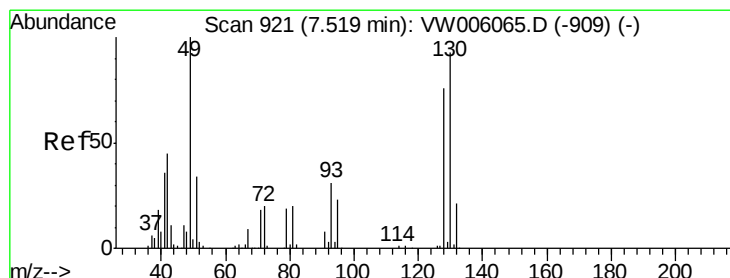
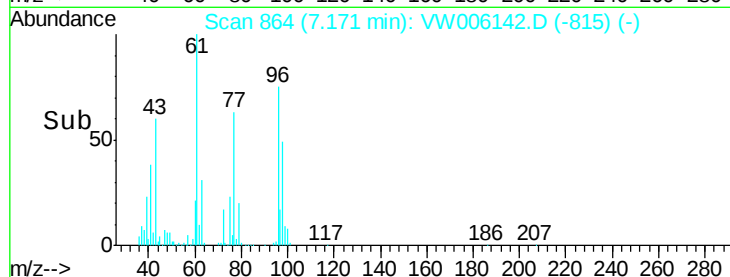
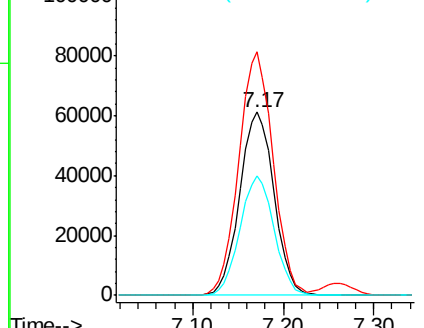
98 64.8 0.0 128.6



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: 54.20 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

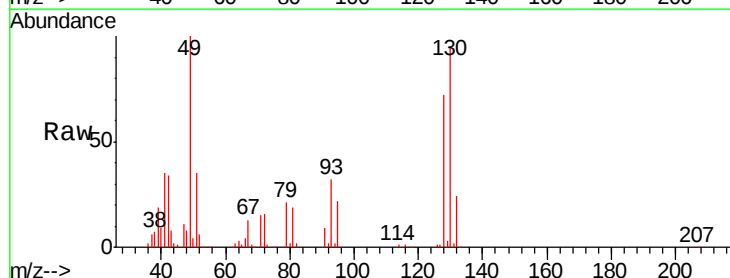
Tgt Ion: 49 Resp: 92577

Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

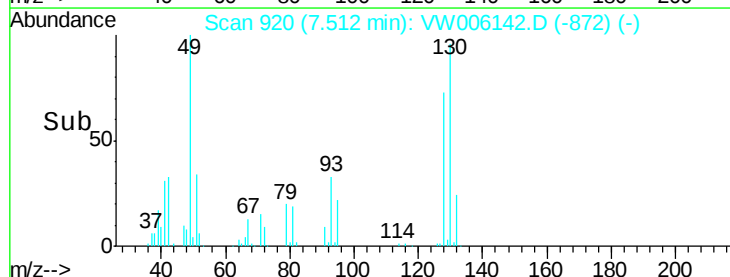
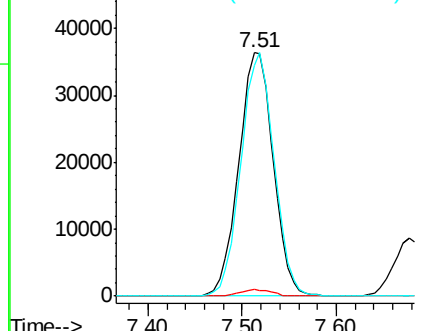
130 96.3 73.8 110.8



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: 246.48 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

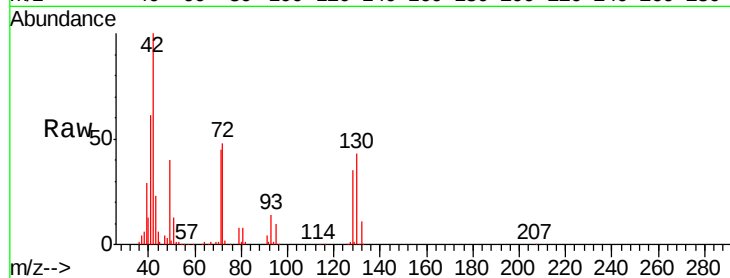
Tgt Ion: 42 Resp: 98555

Ion Ratio Lower Upper

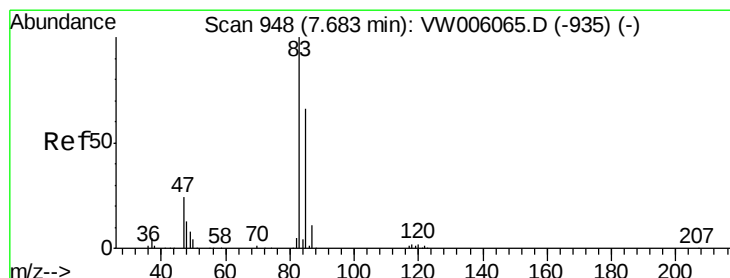
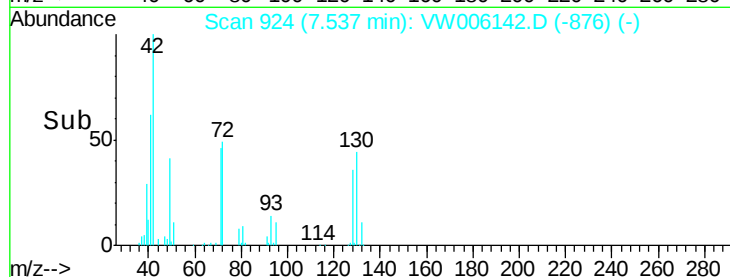
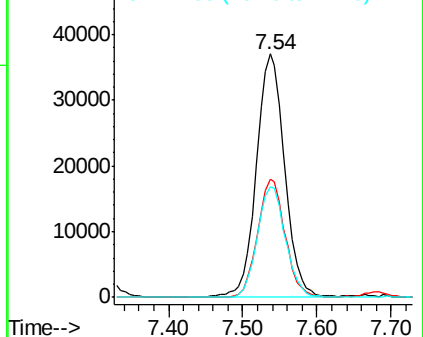
42 100

72 47.1 38.0 57.0

71 45.5 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 53.24 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006142.D

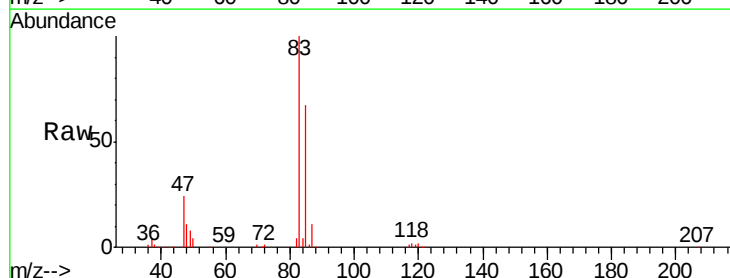
Acq: 17 Oct 2018 22:28

Tgt Ion: 83 Resp: 256652

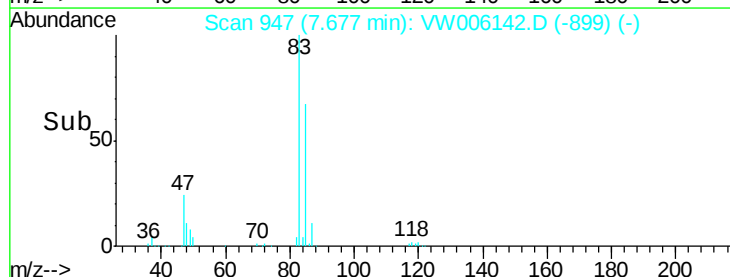
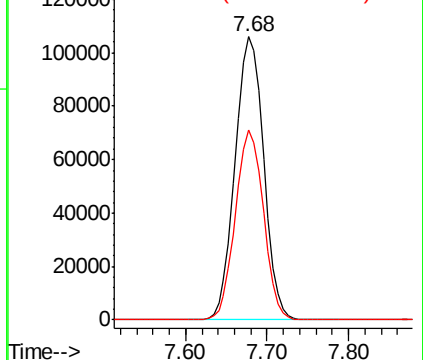
Ion Ratio Lower Upper

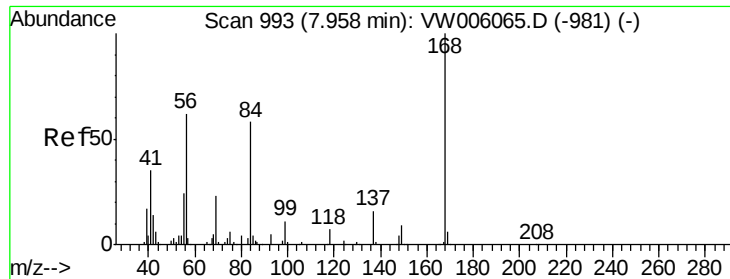
83 100

85 67.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

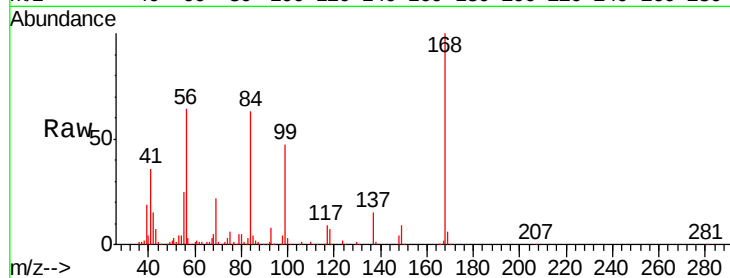




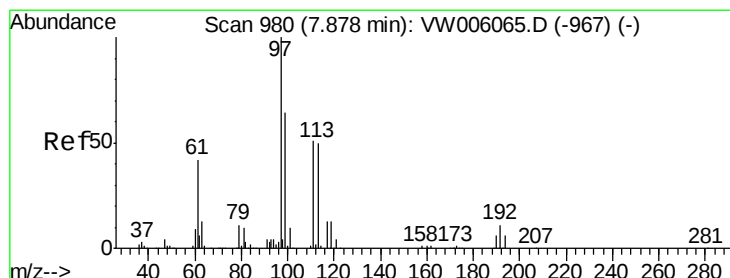
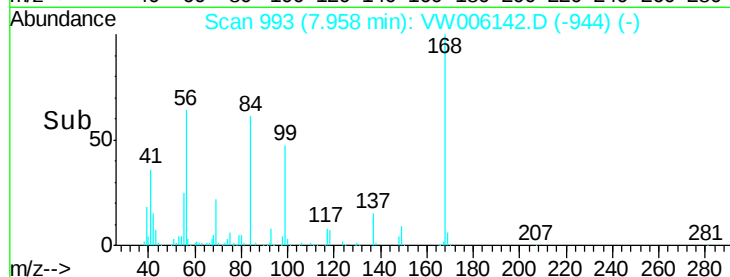
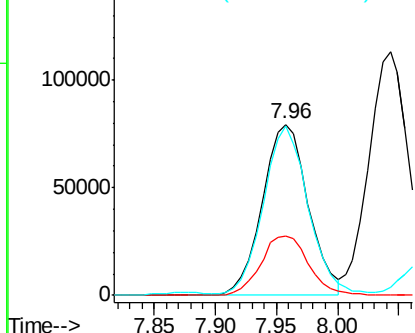
#31
Cyclohexane
Concen: 47.01 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 207147
Ion Ratio Lower Upper
56 100
69 34.8 29.4 44.0
84 96.8 74.0 111.0

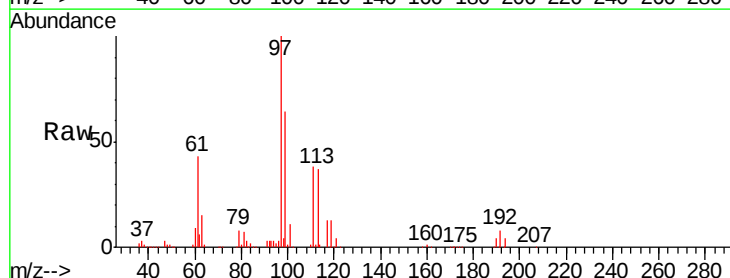


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

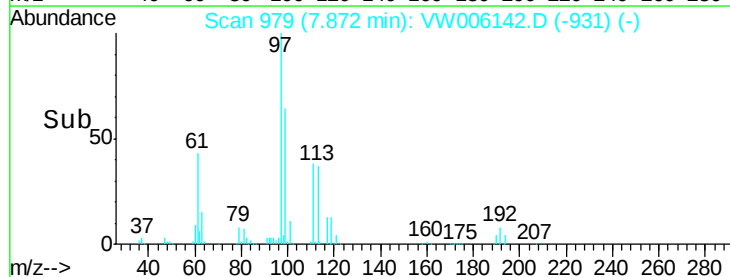
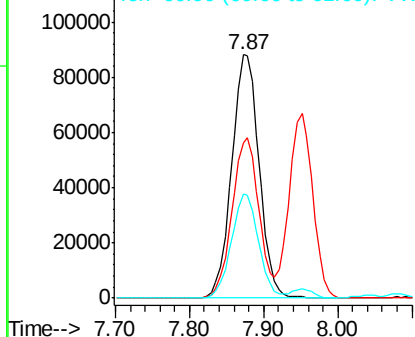


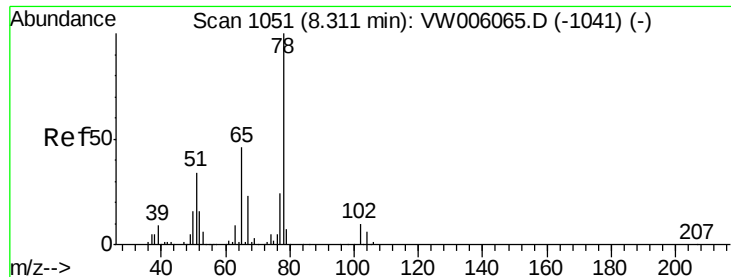
#32
1,1,1-Trichloroethane
Concen: 52.06 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 97 Resp: 226381
Ion Ratio Lower Upper
97 100
99 65.0 50.9 76.3
61 42.4 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 50.27 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

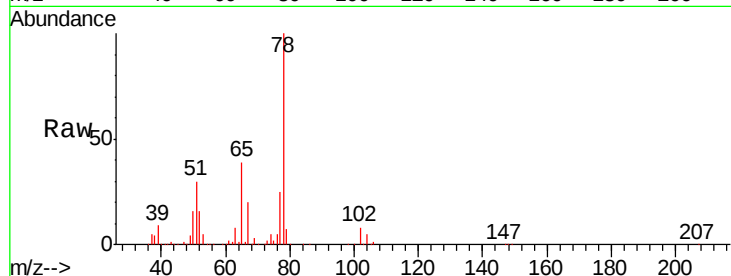
VSTDCCC050EC

Tgt Ion: 65 Resp: 121044

Ion Ratio Lower Upper

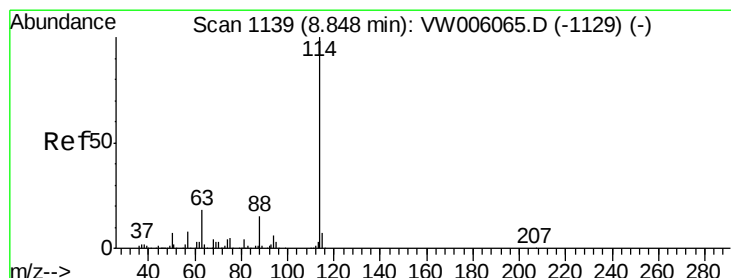
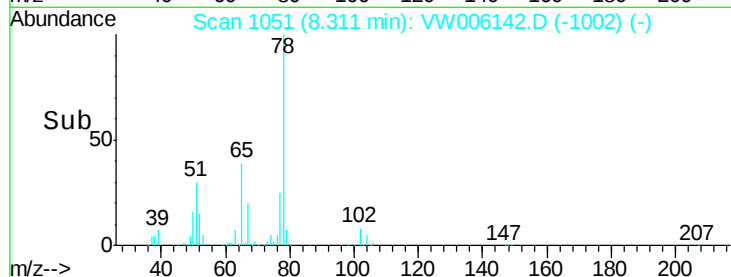
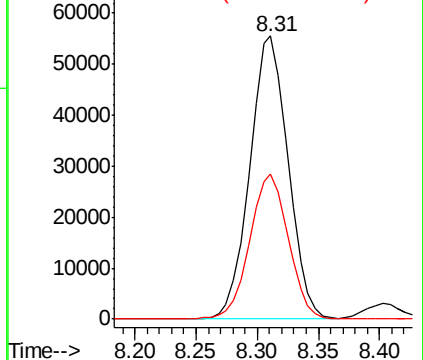
65 100

67 51.9 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

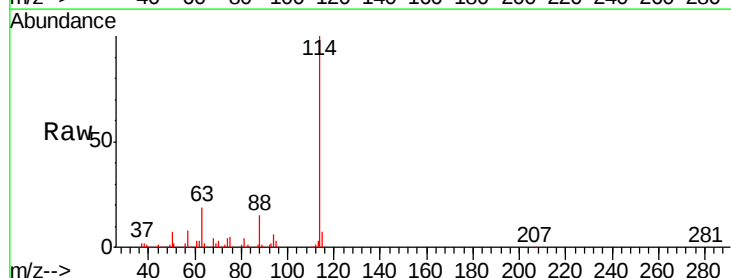
Tgt Ion: 114 Resp: 419665

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

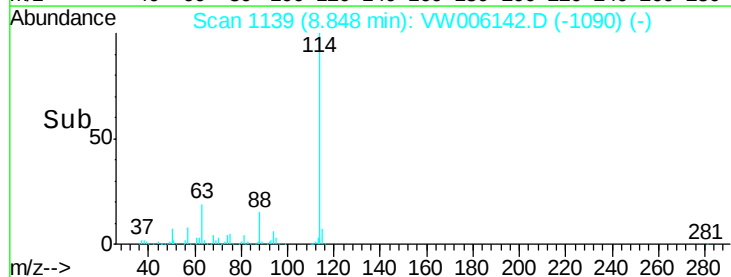
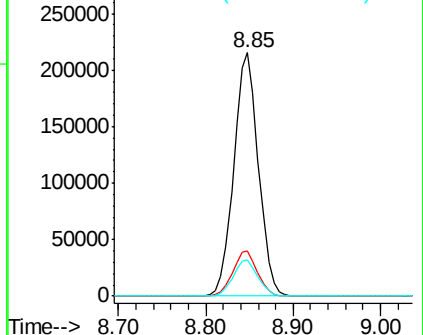
88 14.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

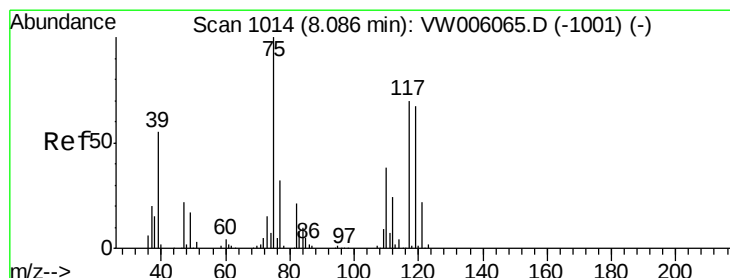
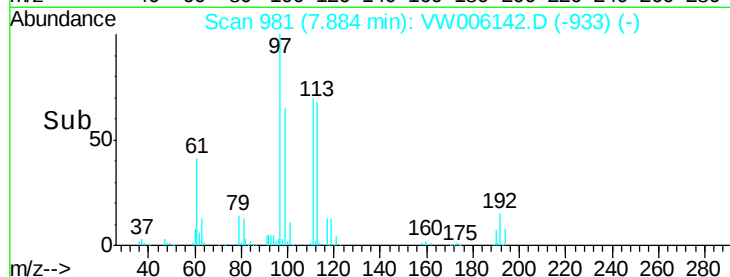
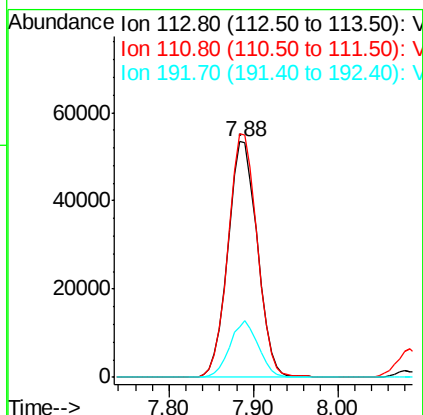
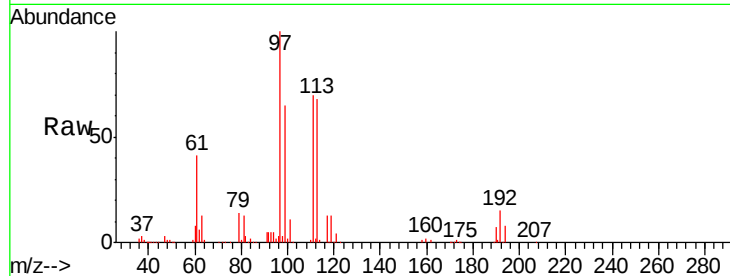




#35
Dibromofluoromethane
Concen: 51.06 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

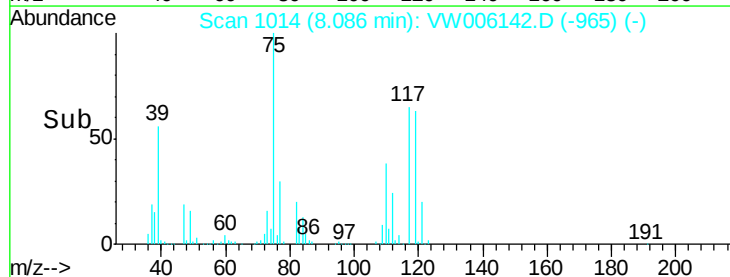
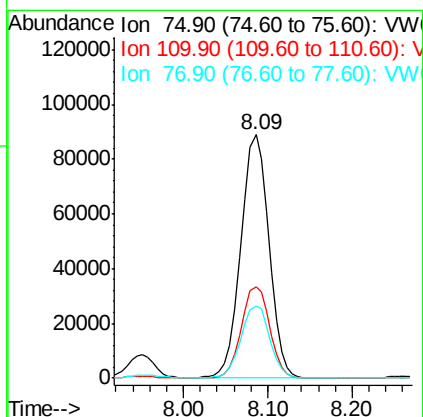
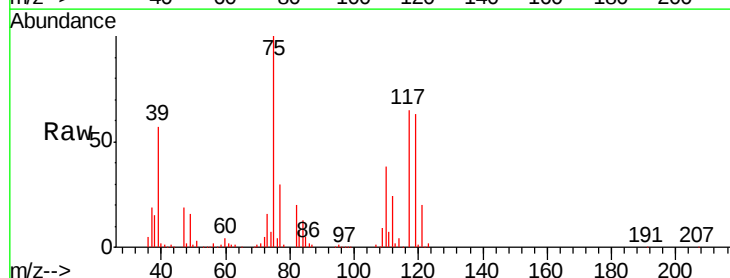
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

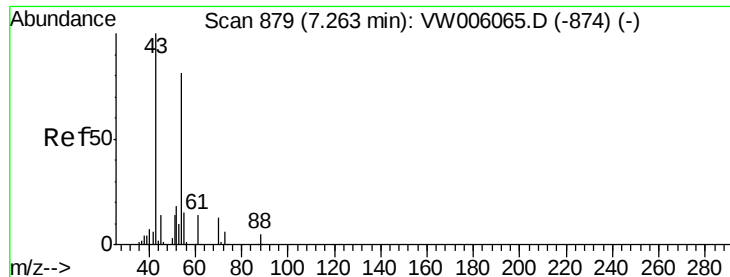
Tgt Ion:113 Resp: 126623
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 23.1 18.7 28.1



#36
1,1-Dichloropropene
Concen: 51.70 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 75 Resp: 199998
Ion Ratio Lower Upper
75 100
110 37.8 19.1 57.1
77 30.6 25.0 37.4

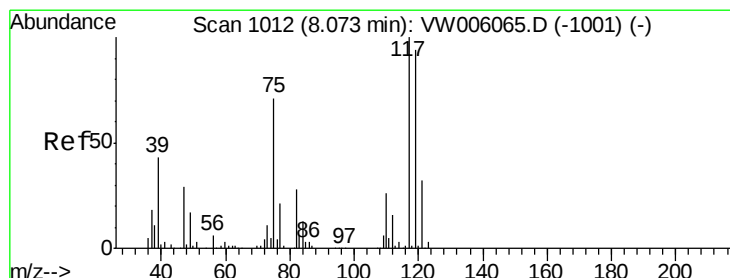
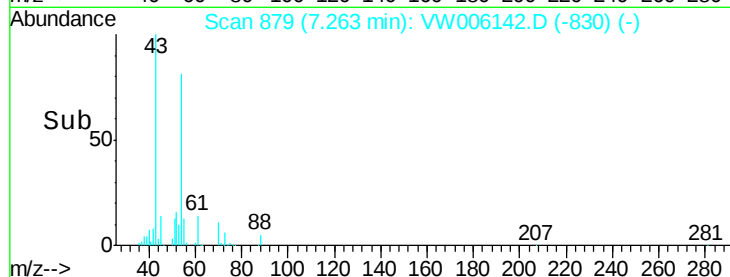
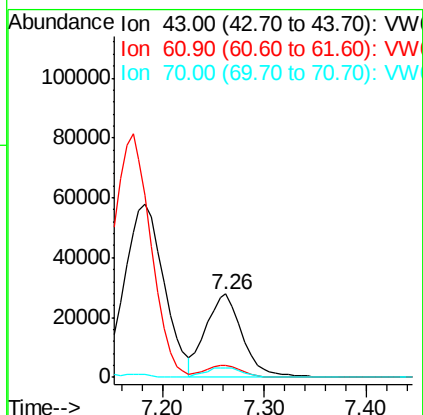
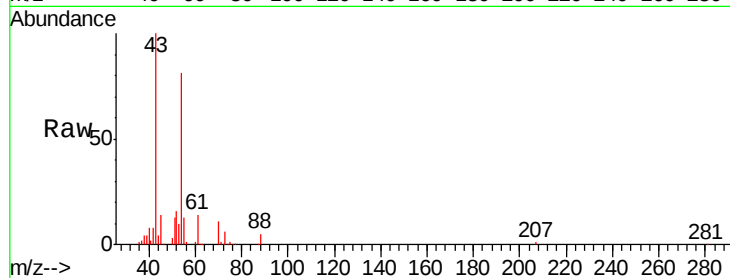




#37
Ethyl Acetate
Concen: 48.17 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

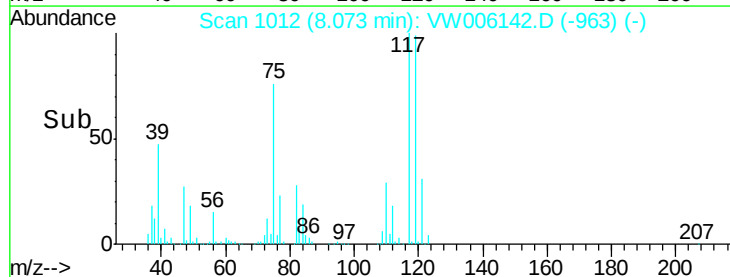
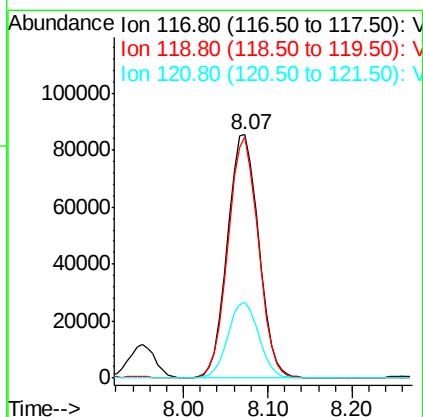
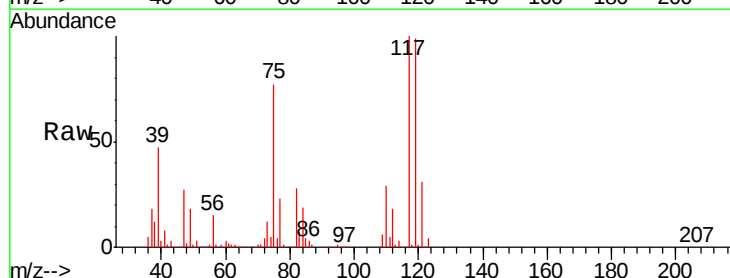
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

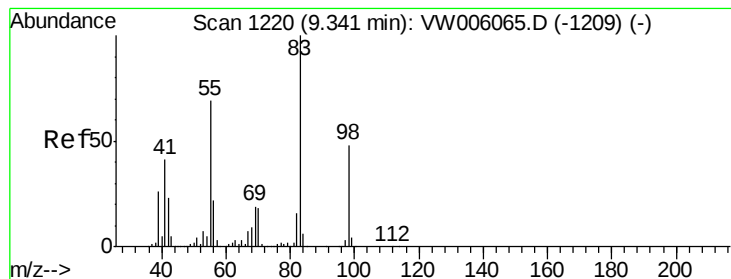
Tgt Ion: 43 Resp: 69230
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 50.69 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 117 Resp: 214938
Ion Ratio Lower Upper
117 100
119 99.2 75.2 112.8
121 31.2 25.3 37.9





#39

Methylcyclohexane

Concen: 50.14 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

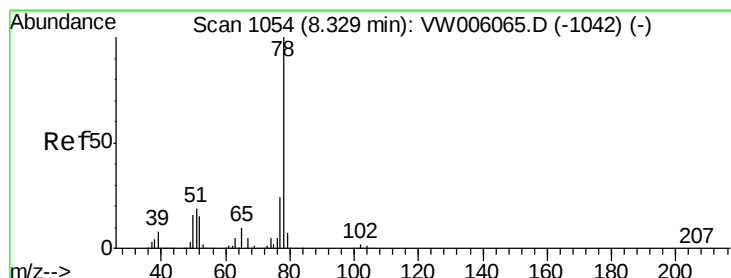
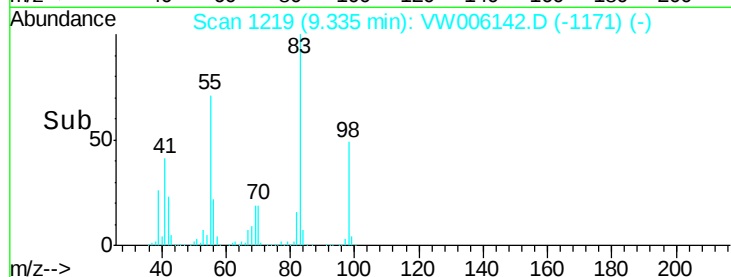
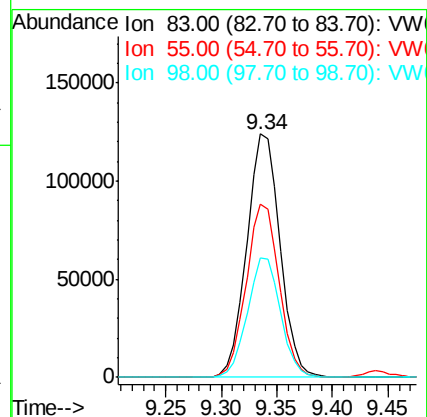
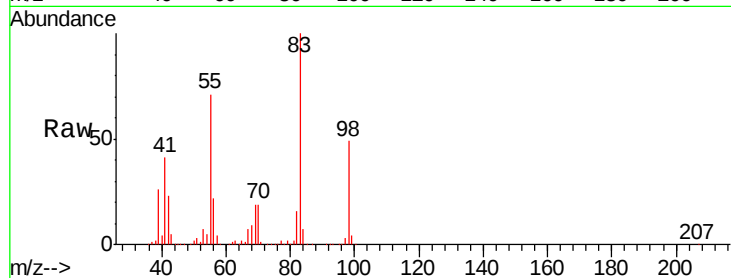
Tgt Ion: 83 Resp: 257828

Ion Ratio Lower Upper

83 100

55 71.0 55.0 82.6

98 49.0 38.6 57.8



#40

Benzene

Concen: 52.55 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006142.D

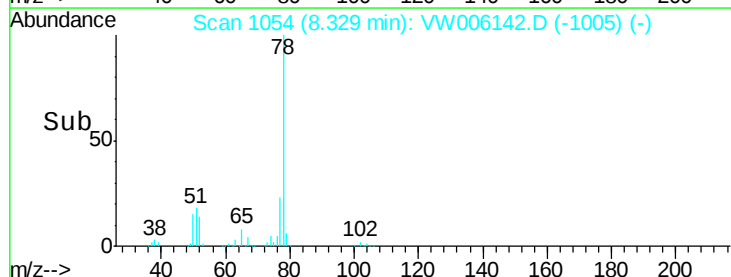
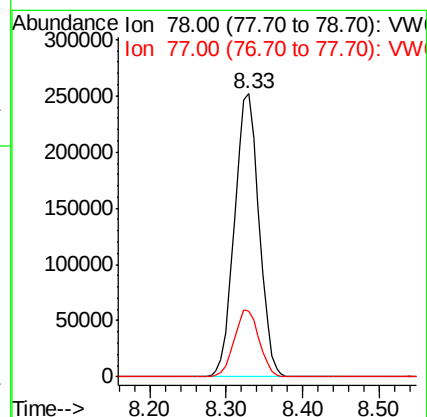
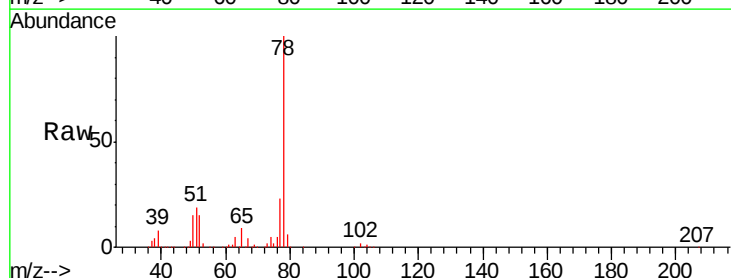
Acq: 17 Oct 2018 22:28

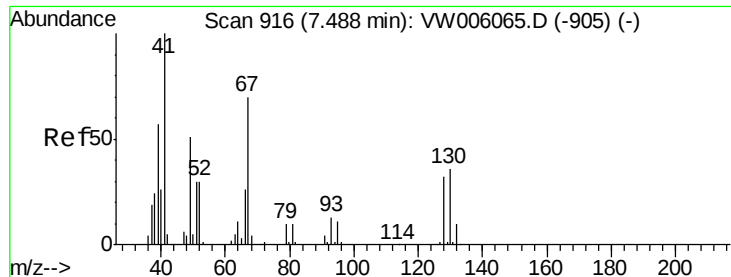
Tgt Ion: 78 Resp: 557640

Ion Ratio Lower Upper

78 100

77 23.3 19.4 29.0

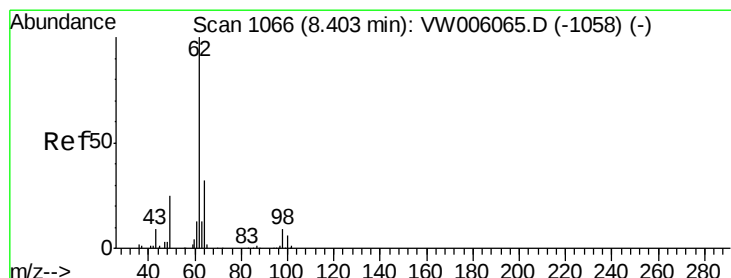
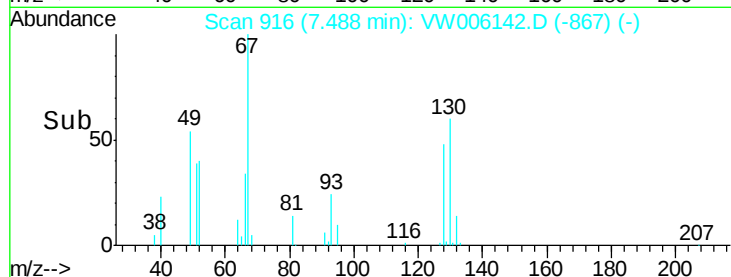
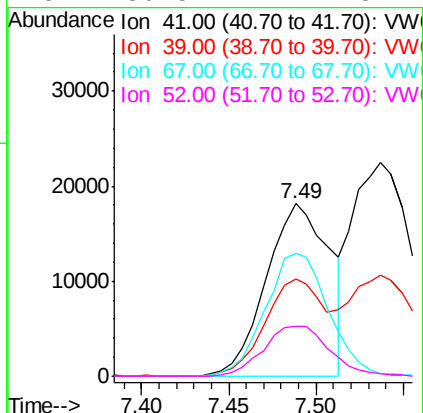
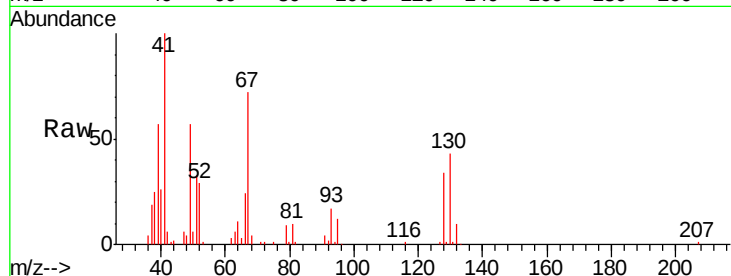




#41
Methacrylonitrile
Concen: 52.93 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

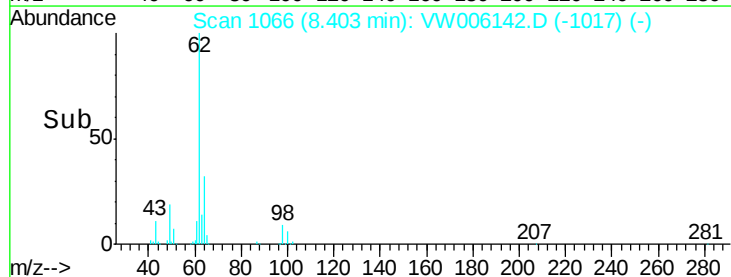
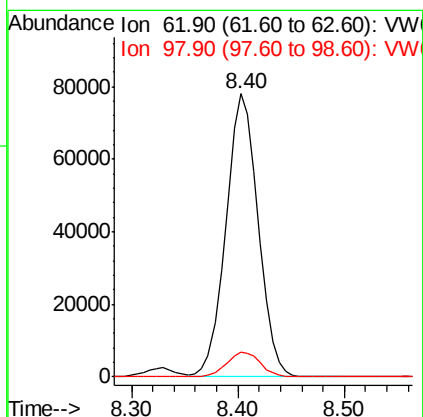
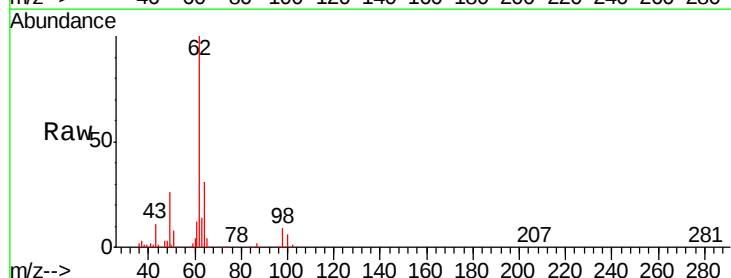
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

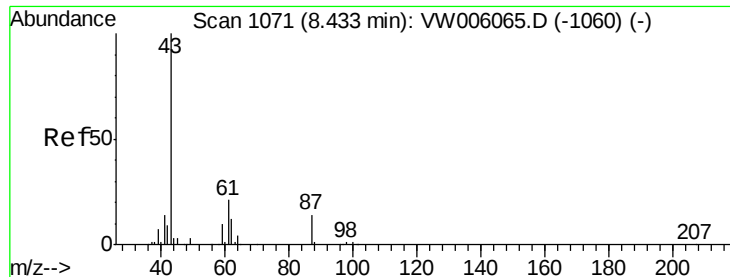
Tgt Ion:	41	Resp:	45853
Ion	Ratio	Lower	Upper
41	100		
39	50.9	46.2	69.4
67	71.6	57.7	86.5
52	30.5	24.7	37.1



#42
1,2-Dichloroethane
Concen: 53.08 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion:	62	Resp:	165472
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 49.02 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

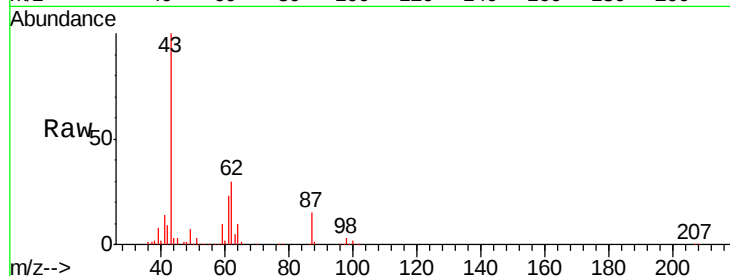
Tgt Ion: 43 Resp: 144054

Ion Ratio Lower Upper

43 100

61 31.9 25.5 38.3

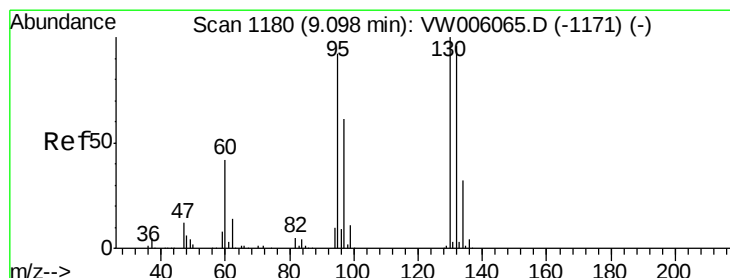
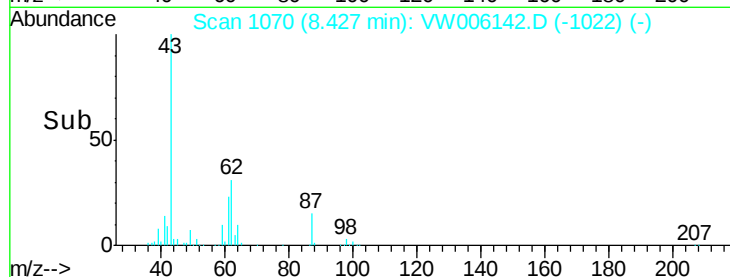
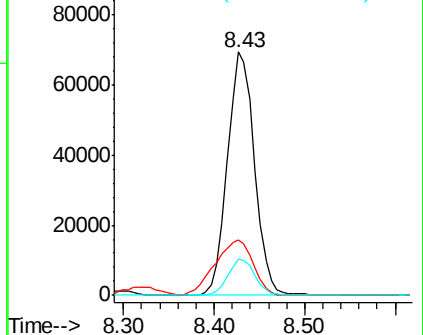
87 14.9 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.81 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006142.D

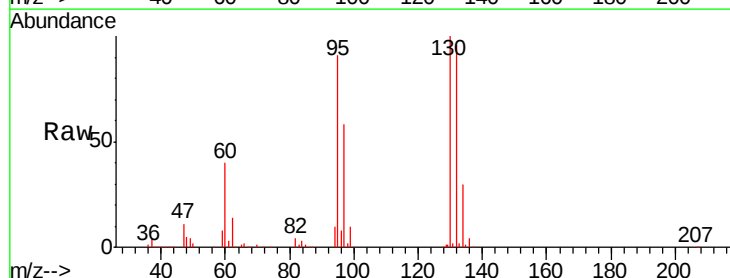
Acq: 17 Oct 2018 22:28

Tgt Ion: 130 Resp: 171914

Ion Ratio Lower Upper

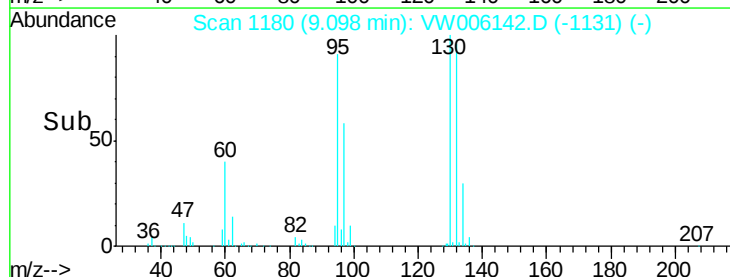
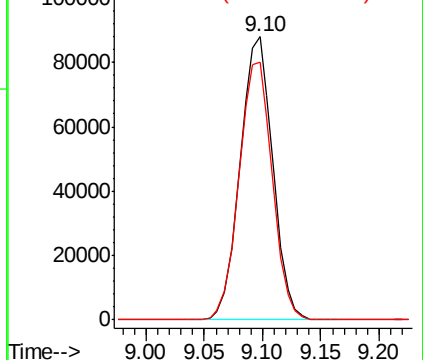
130 100

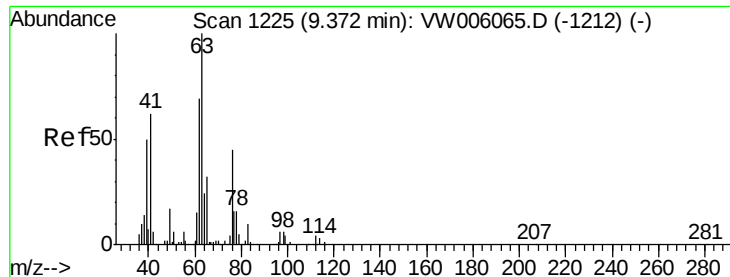
95 90.9 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

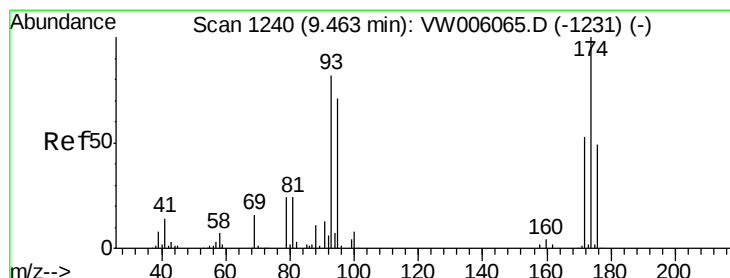
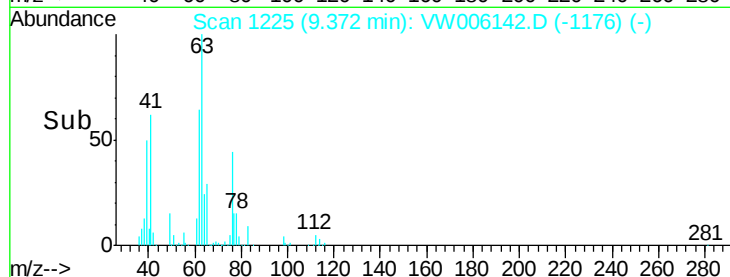
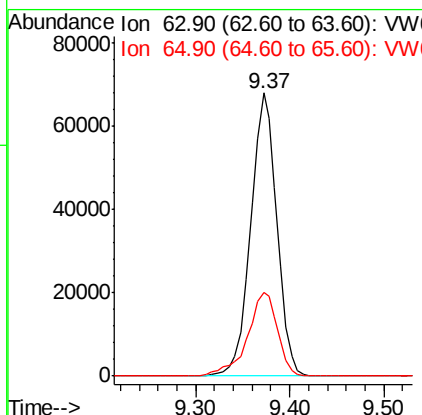
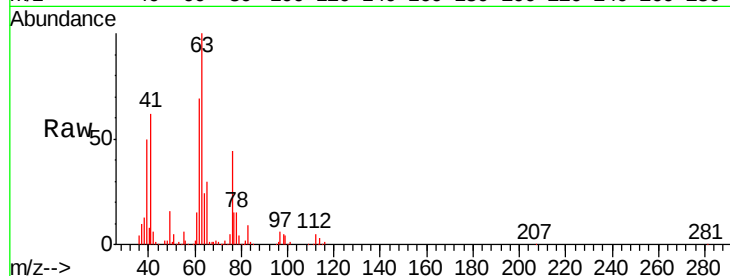




#45
 1,2-Dichloropropane
 Concen: 52.20 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

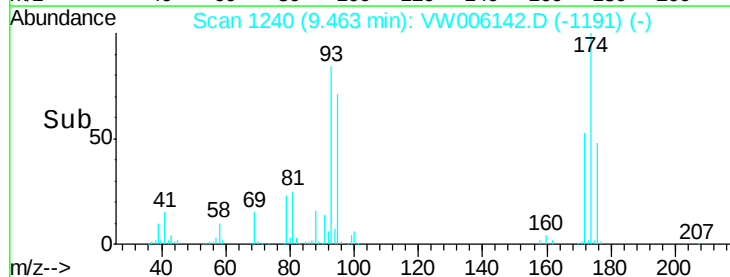
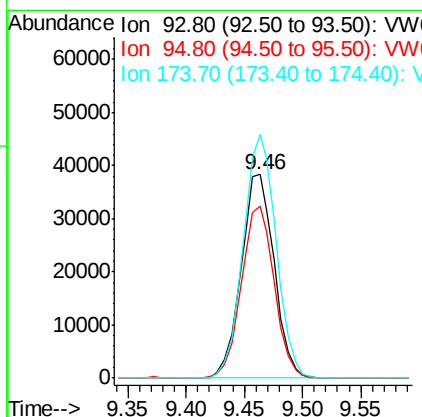
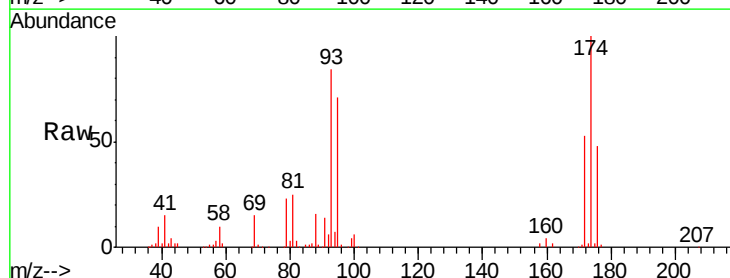
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 132536
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.4 38.0



#46
 Dibromomethane
 Concen: 52.20 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 93 Resp: 75542
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.7 101.5
 174 119.3 93.7 140.5





#47

Bromodichloromethane

Concen: 52.77 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

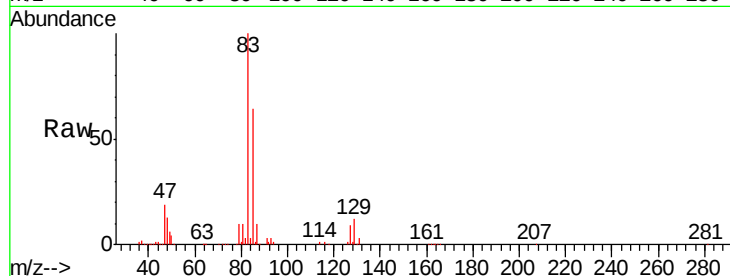
Tgt Ion: 83 Resp: 185150

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.8

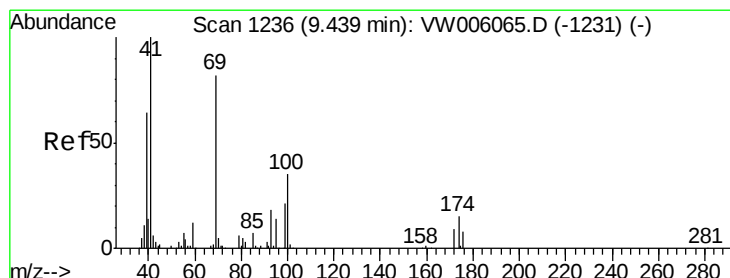
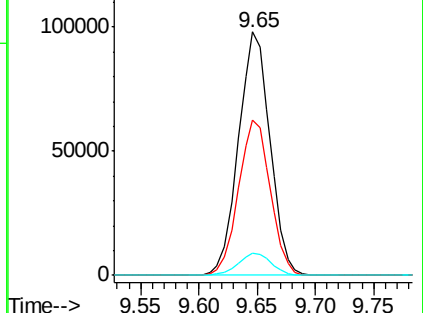
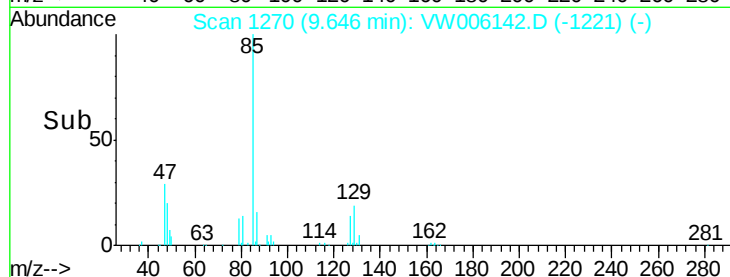
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.14 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

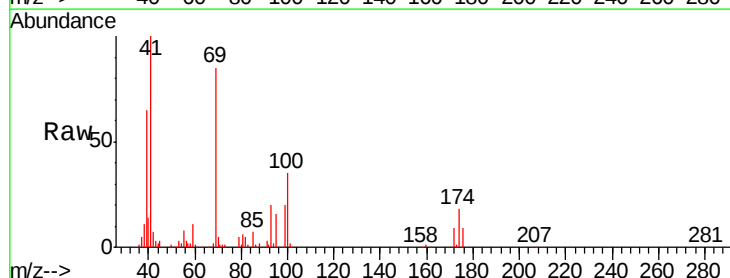
Tgt Ion: 41 Resp: 71237

Ion Ratio Lower Upper

41 100

69 92.4 71.8 107.8

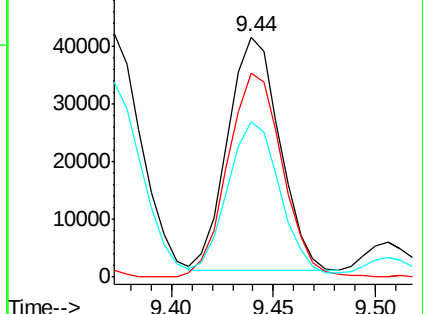
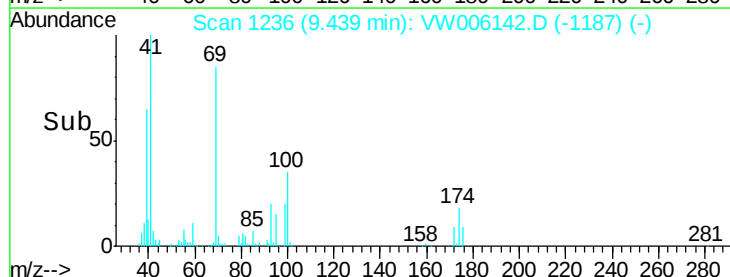
39 64.8 52.5 78.7

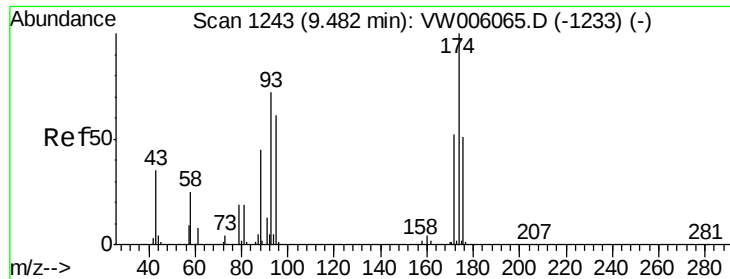


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1028.18 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

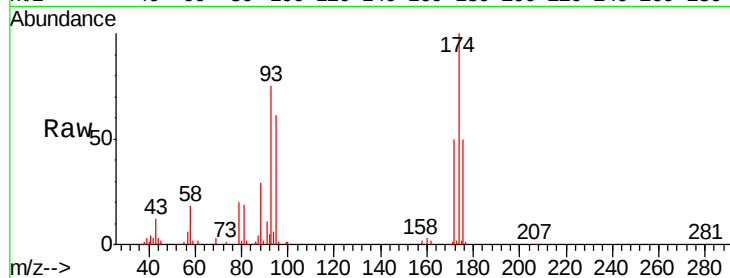
Tgt Ion: 88 Resp: 22906

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

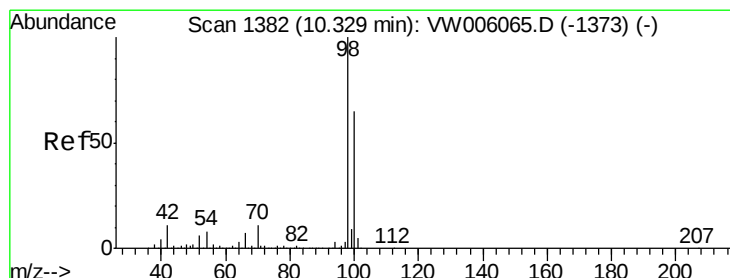
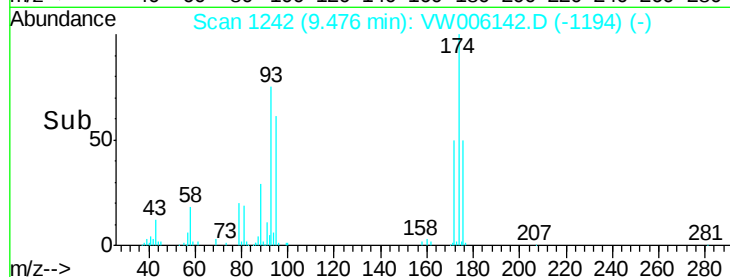
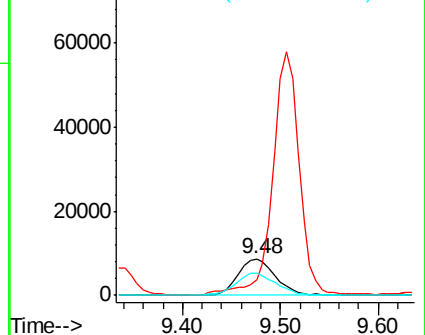
58 65.7 51.2 76.8



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: 50.21 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006142.D

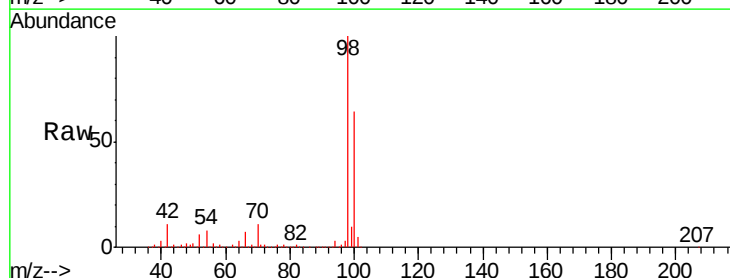
Acq: 17 Oct 2018 22:28

Tgt Ion: 98 Resp: 473737

Ion Ratio Lower Upper

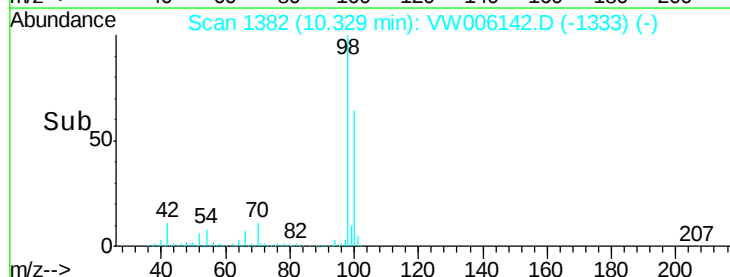
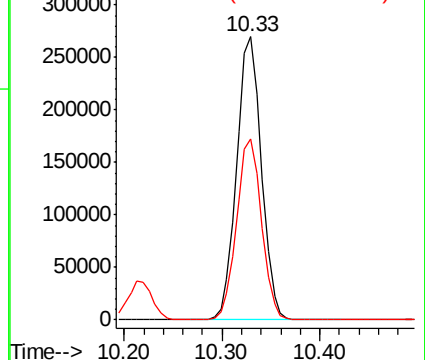
98 100

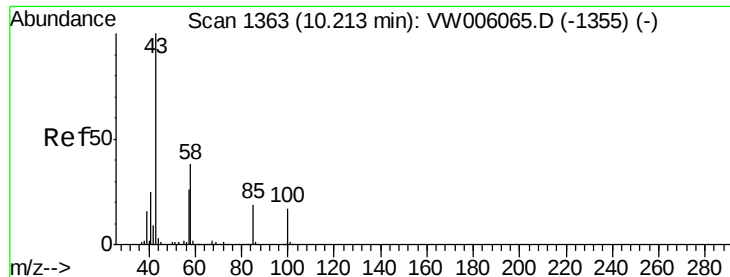
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

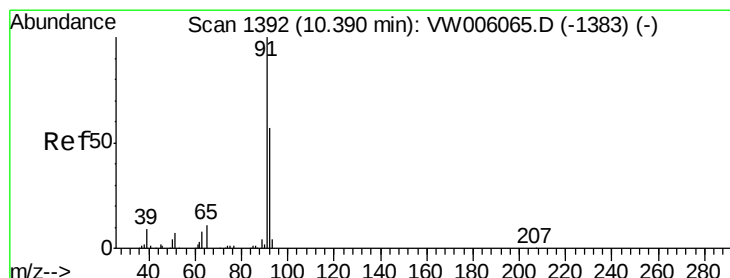
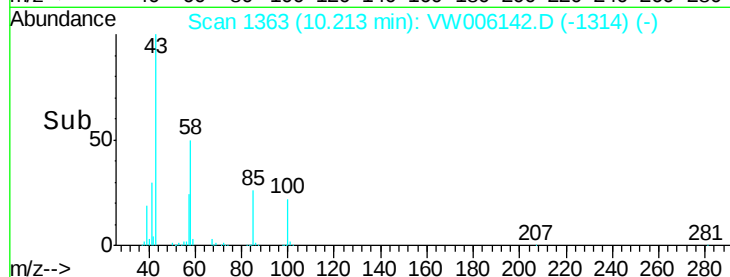
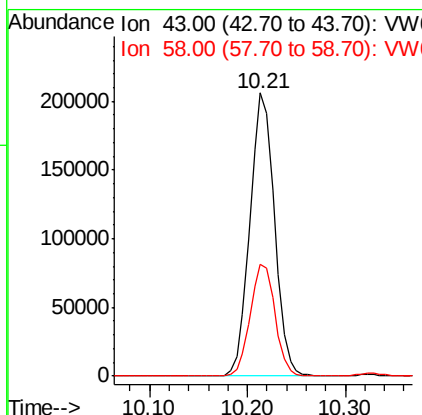
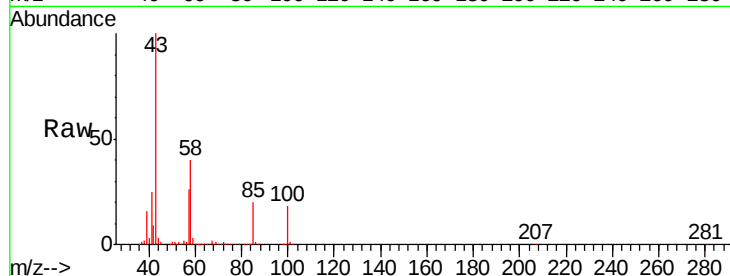




#51
 4-Methyl-2-Pentanone
 Concen: 244.49 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

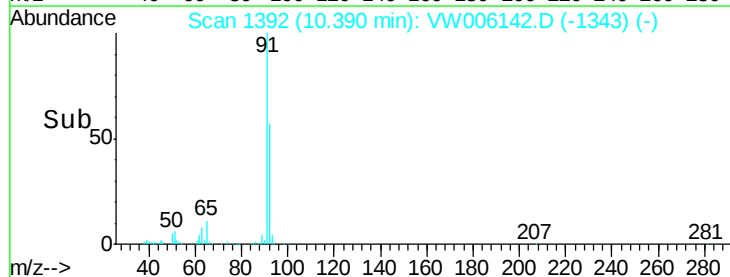
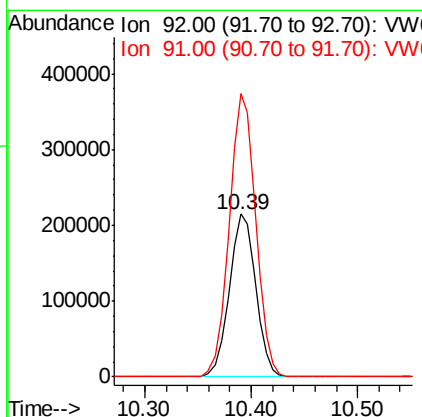
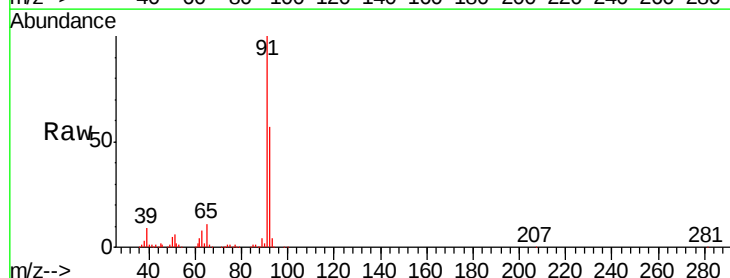
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

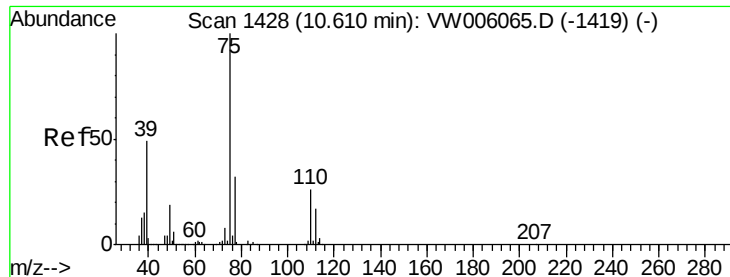
Tgt Ion: 43 Resp: 359966
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.5 47.3



#52
 Toluene
 Concen: 52.42 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 92 Resp: 372873
 Ion Ratio Lower Upper
 92 100
 91 174.4 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 51.24 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

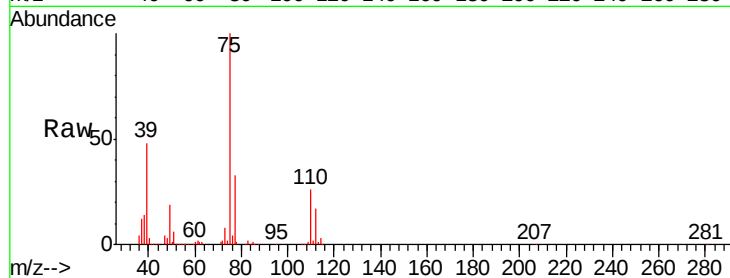
VSTDCCC050EC

Tgt Ion: 75 Resp: 179121

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

120000

100000

80000

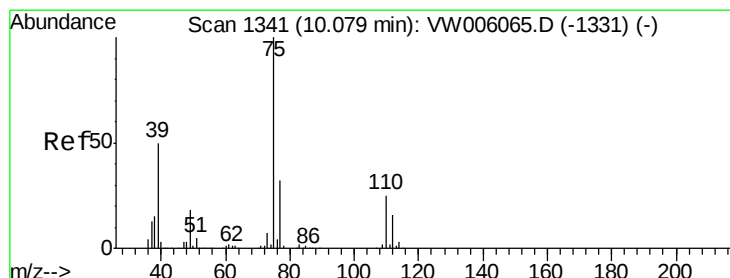
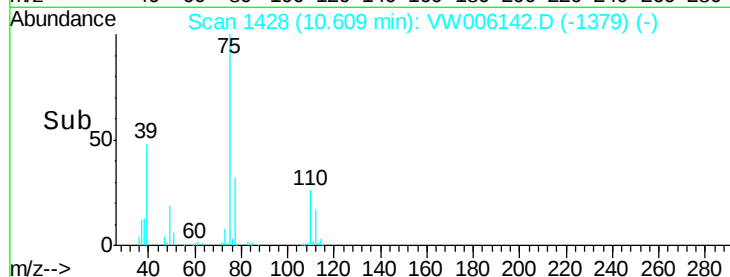
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 52.27 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

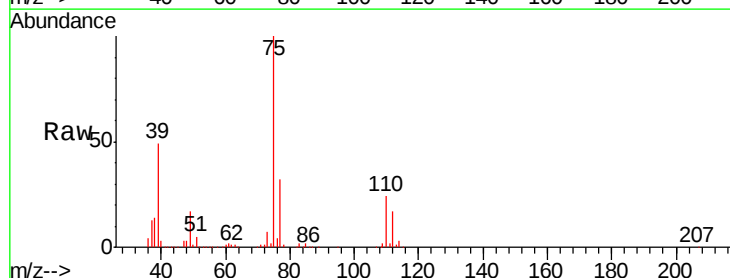
Tgt Ion: 75 Resp: 209692

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 49.1 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.08

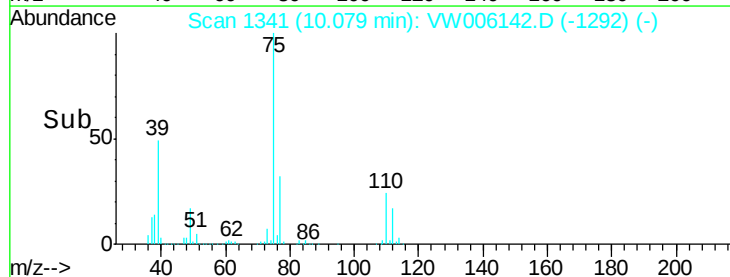
150000

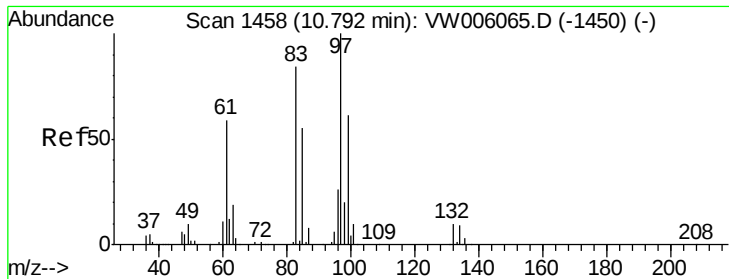
100000

50000

0

Time--> 10.00 10.10

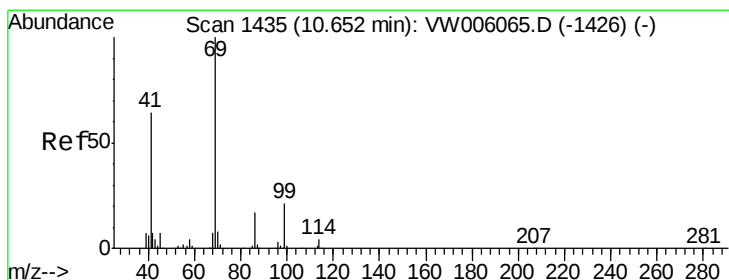
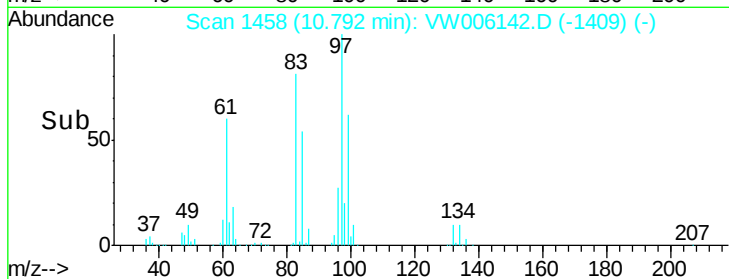
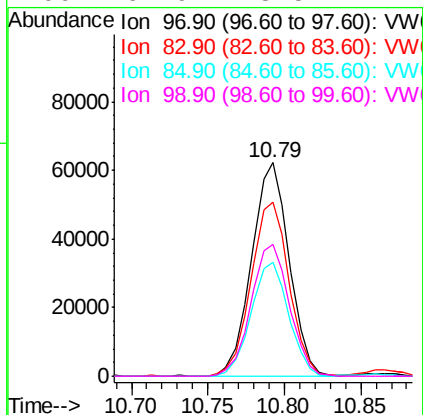
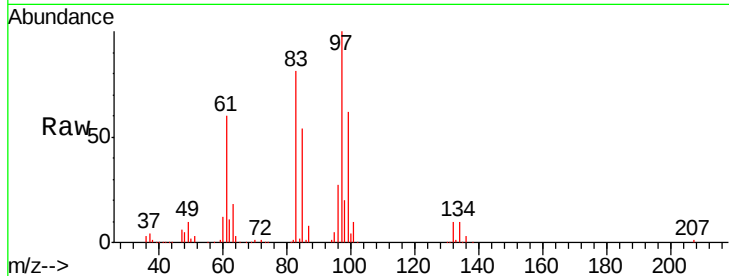




#55
 1,1,2-Trichloroethane
 Concen: 52.46 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

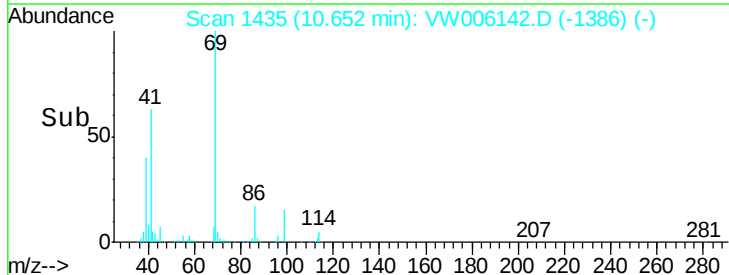
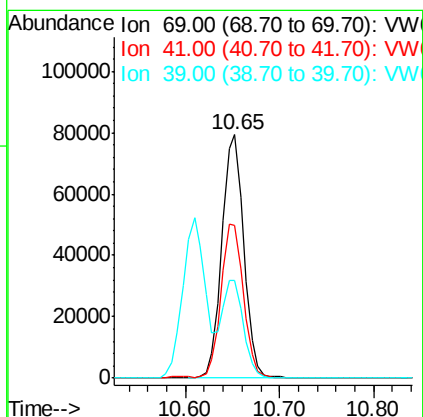
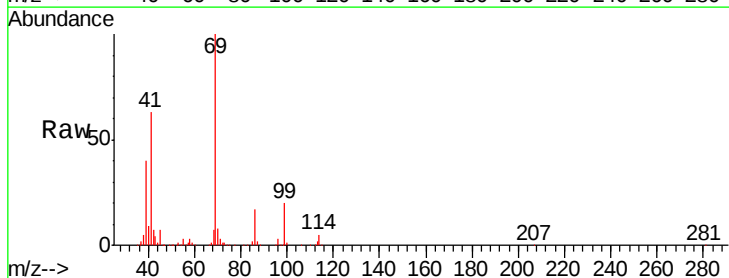
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

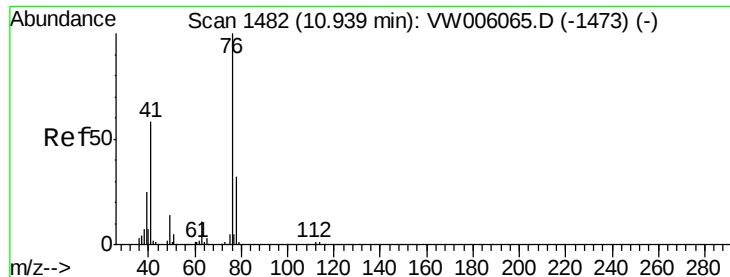
Tgt Ion:	97	Resp:	106245
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.2	100.8
85	53.6	43.7	65.5
99	61.9	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 51.75 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:	69	Resp:	128468
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.8	79.2
39	36.1	30.6	45.8

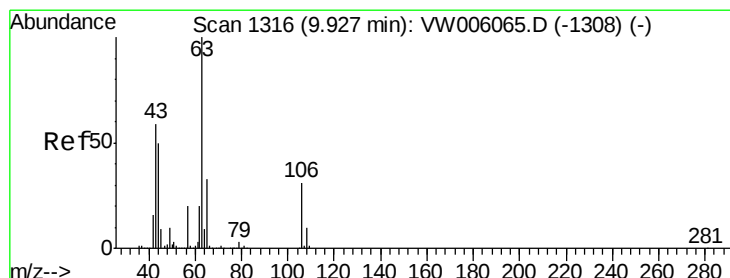
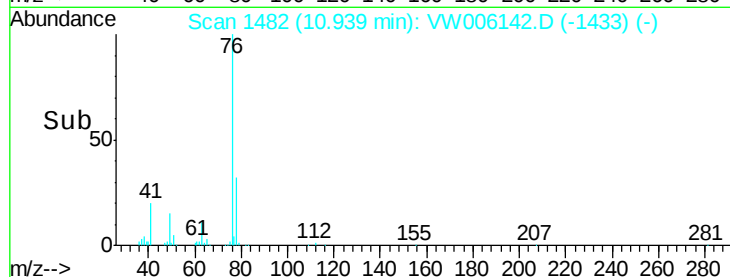
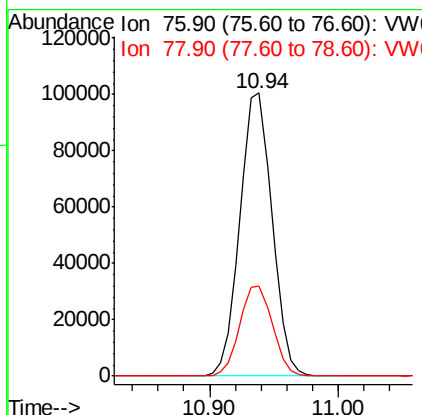
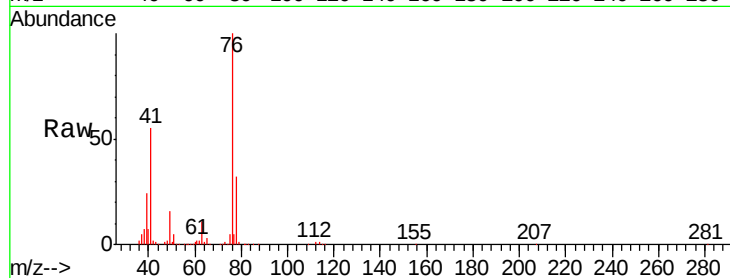




#57
 1,3-Dichloropropane
 Concen: 51.95 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

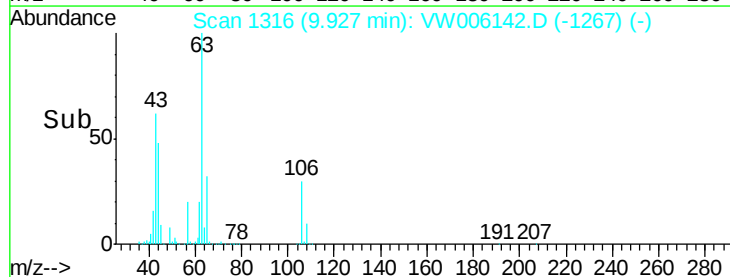
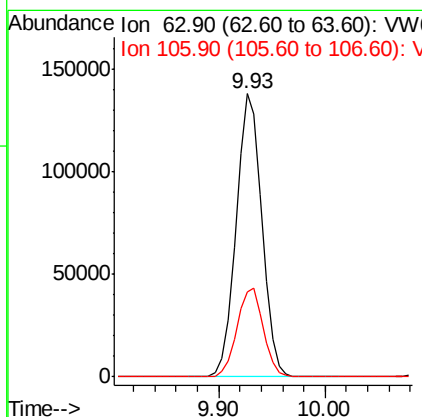
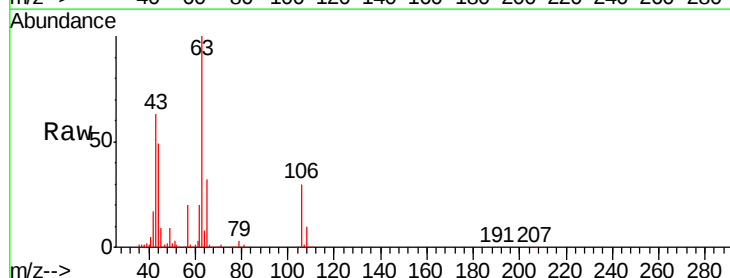
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

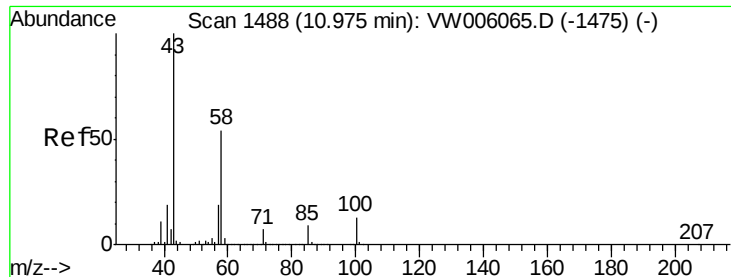
Tgt Ion: 76 Resp: 174156
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.99 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 63 Resp: 234304
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.5 36.7

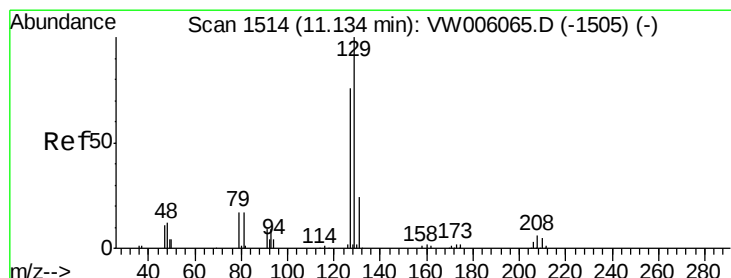
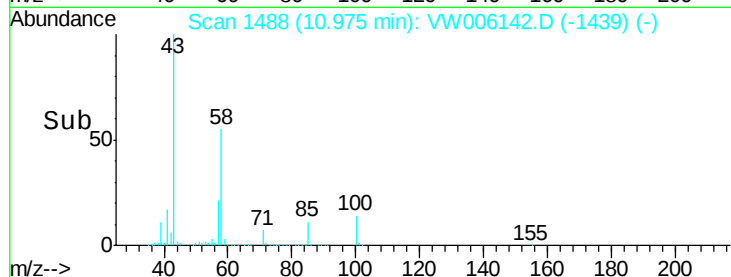
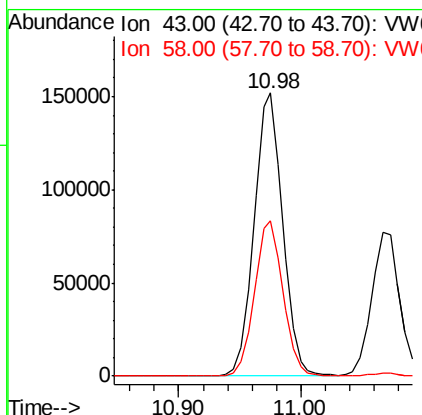
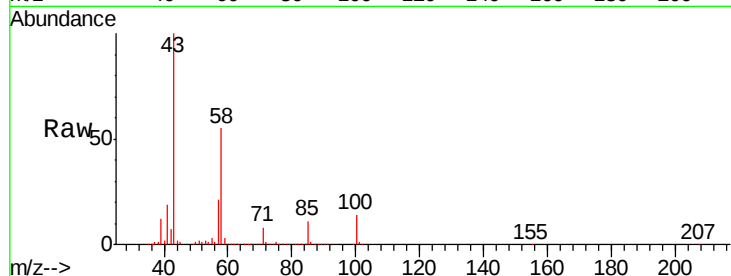




#59
2-Hexanone
Concen: 235.82 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

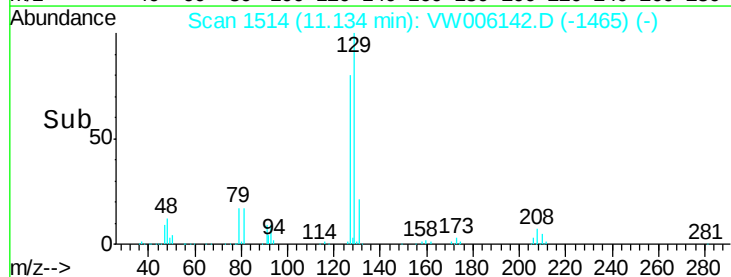
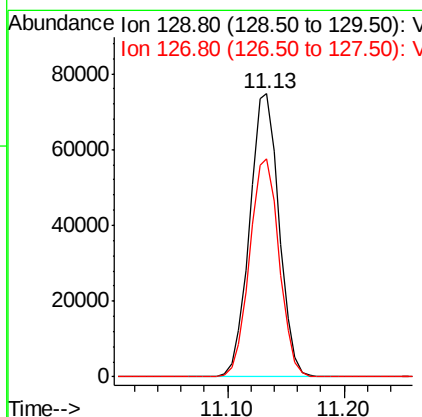
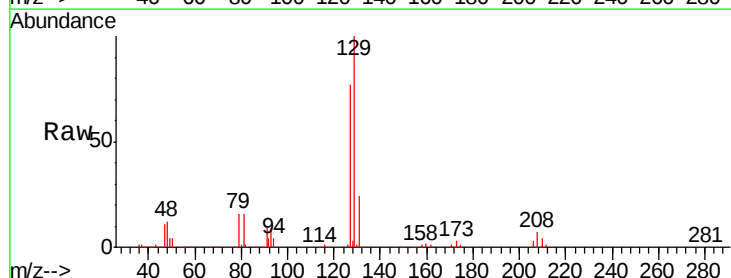
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

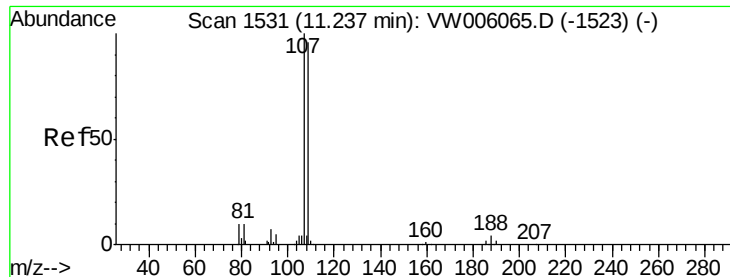
Tgt Ion: 43 Resp: 247841
Ion Ratio Lower Upper
43 100
58 54.7 26.9 80.6



#60
Dibromochloromethane
Concen: 52.44 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 129 Resp: 132274
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7

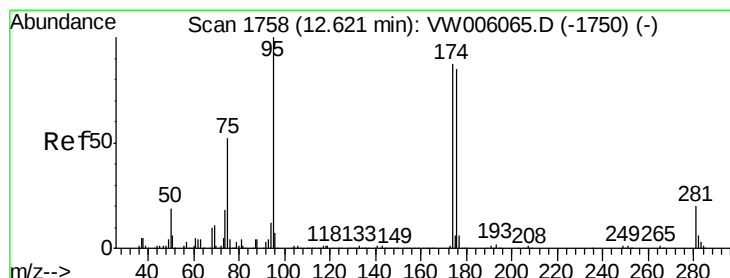
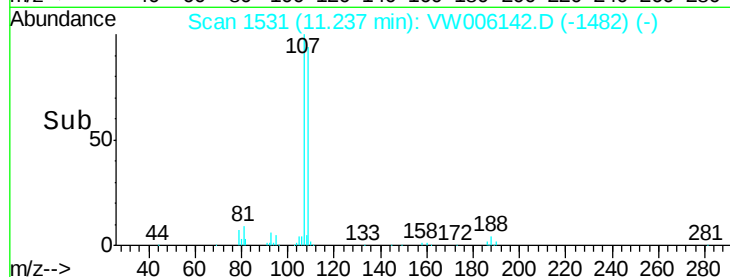
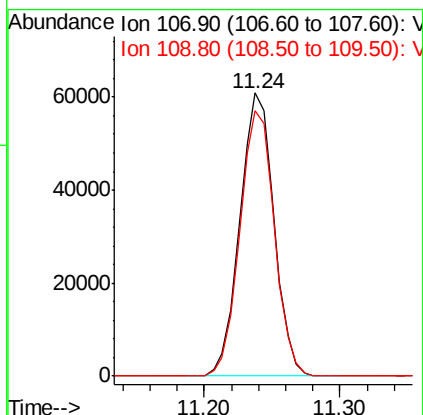
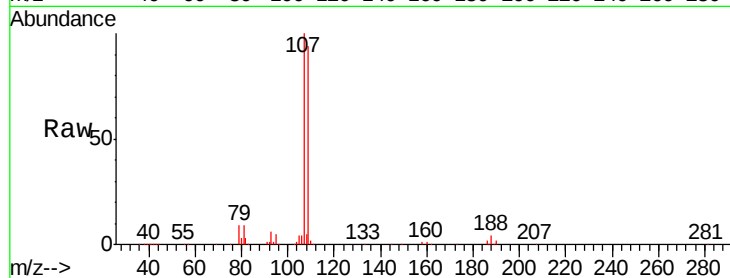




#61
 1,2-Dibromoethane
 Concen: 52.58 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

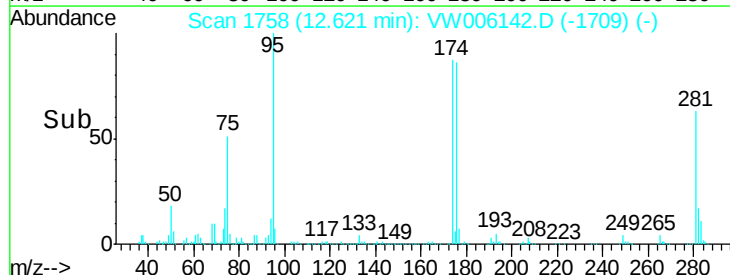
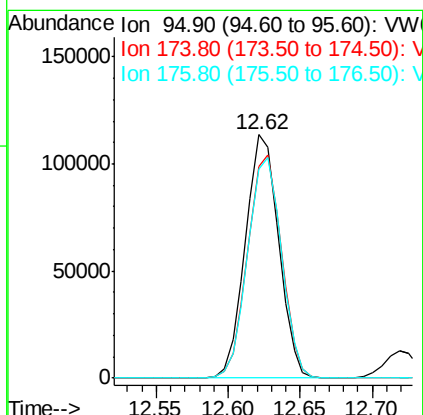
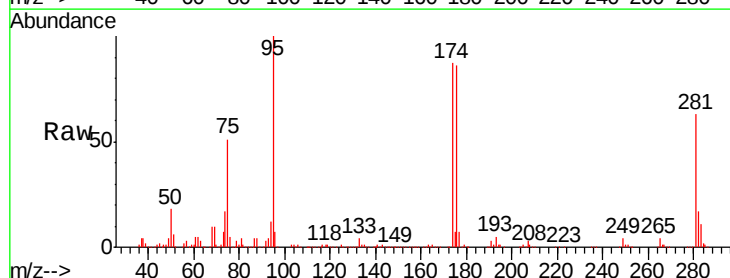
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

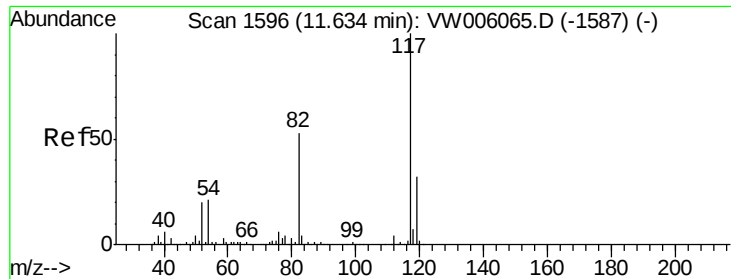
Tgt Ion: 107 Resp: 106384
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 51.50 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 95 Resp: 182502
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 186.0
 176 91.8 0.0 181.6

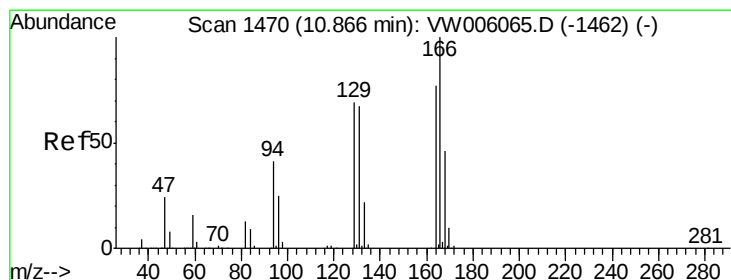
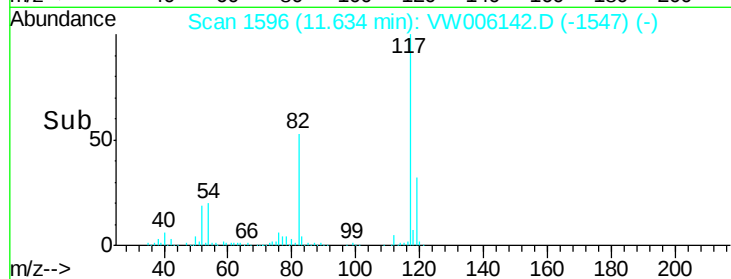
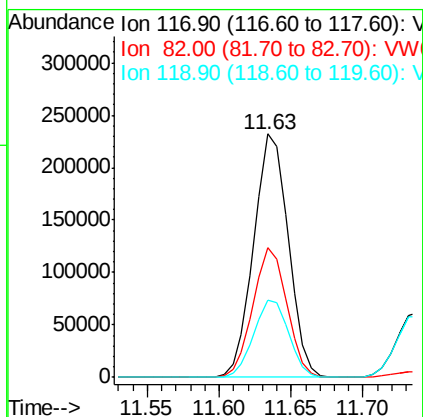
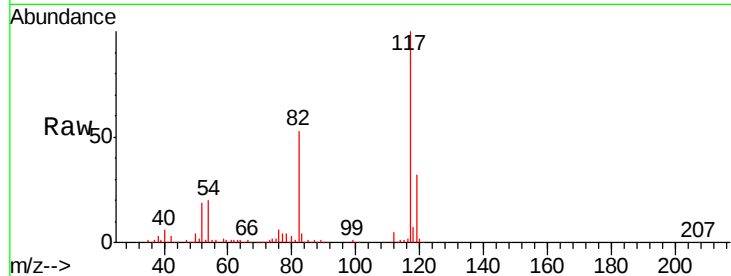




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

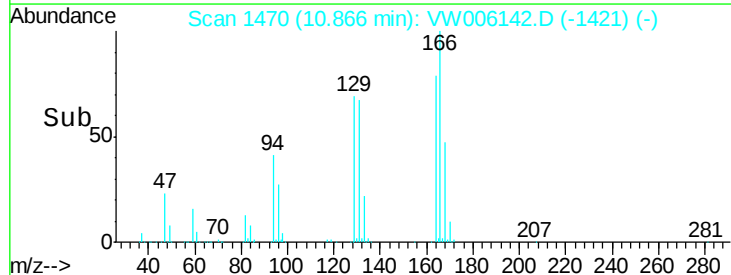
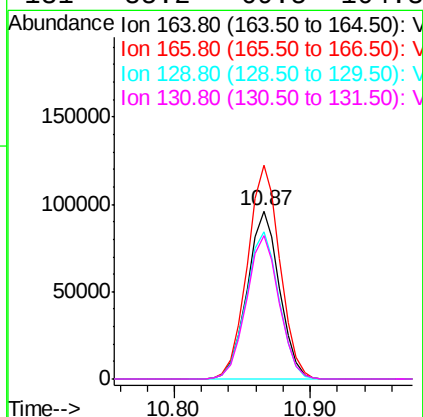
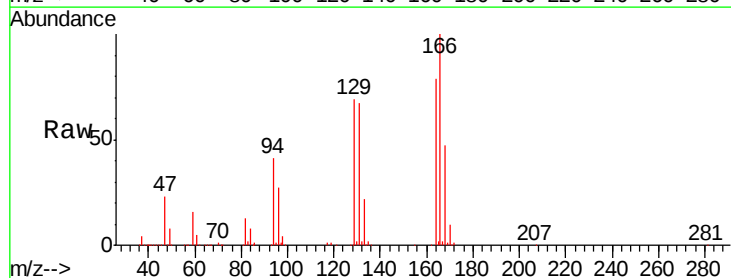
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

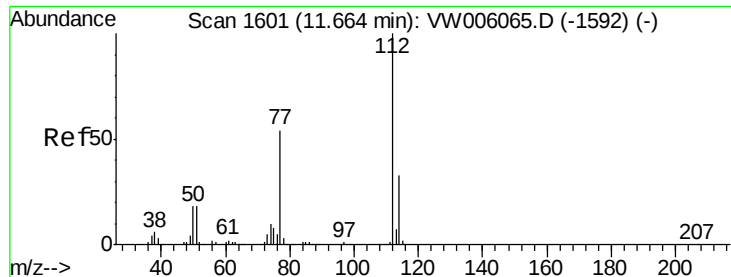
Tgt Ion:117 Resp: 386088
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 53.36 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion:164 Resp: 159945
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.0
129 87.8 71.8 107.8
131 85.2 69.5 104.3





#65

Chlorobenzene

Concen: 52.45 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

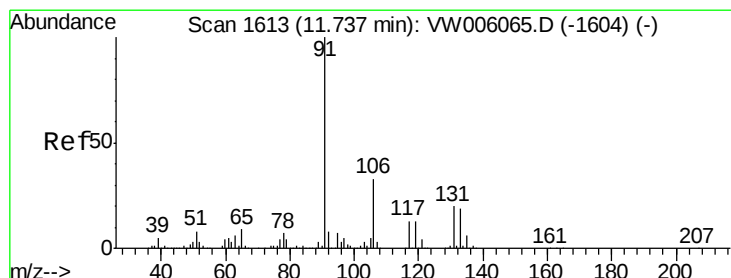
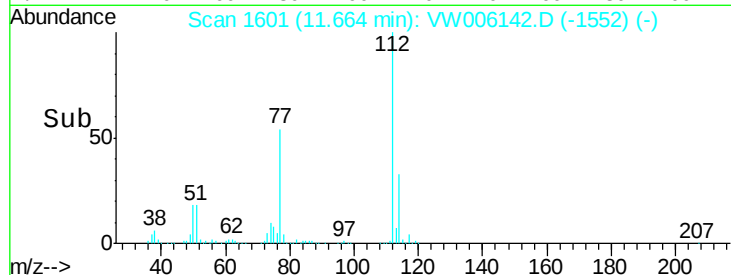
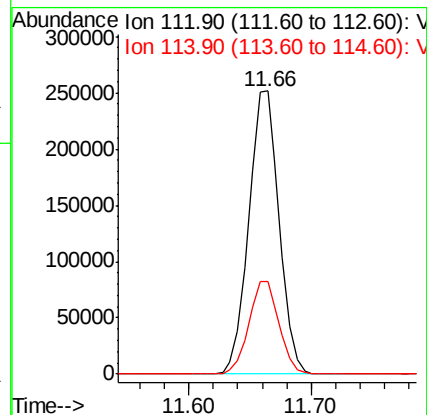
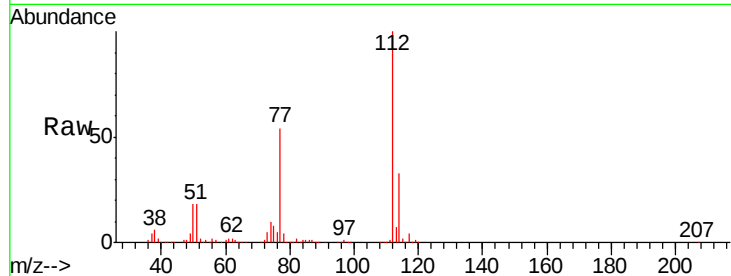
VSTDCCC050EC

Tgt Ion:112 Resp: 433494

Ion Ratio Lower Upper

112 100

114 32.6 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 53.45 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

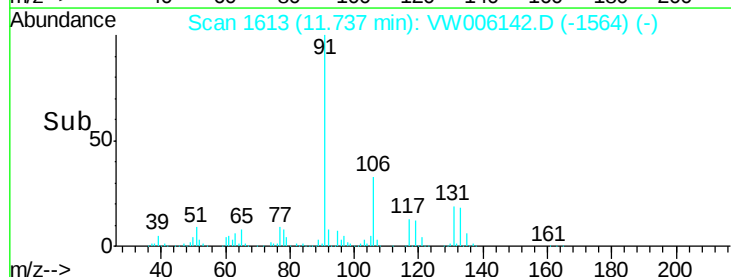
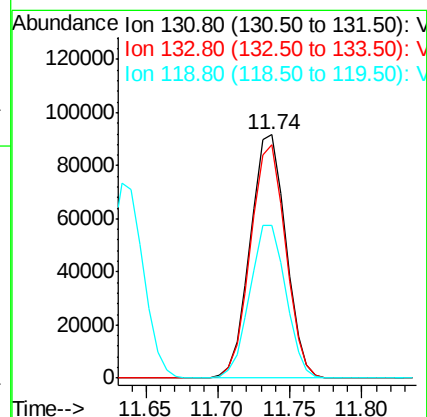
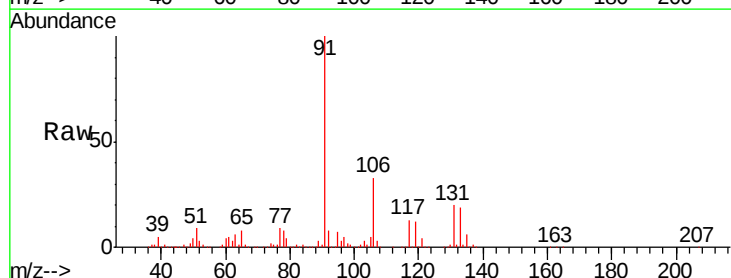
Tgt Ion:131 Resp: 156986

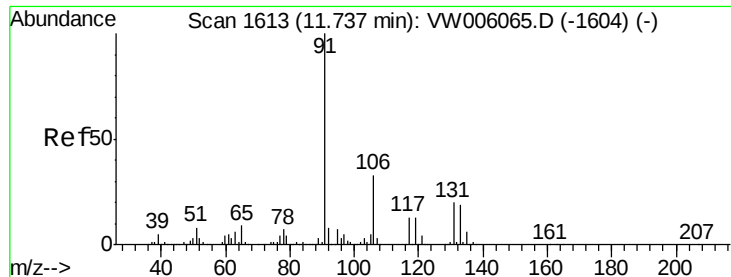
Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.3

119 63.5 31.6 94.7

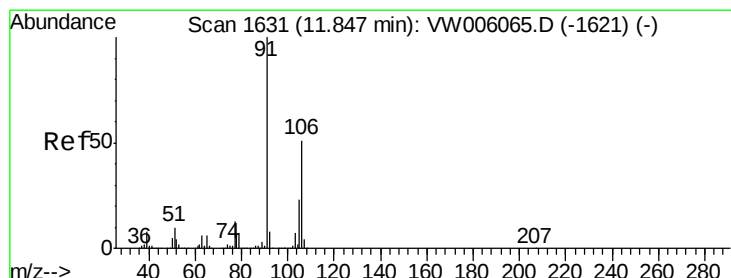
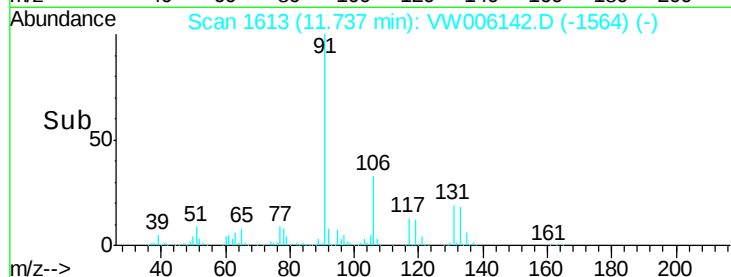
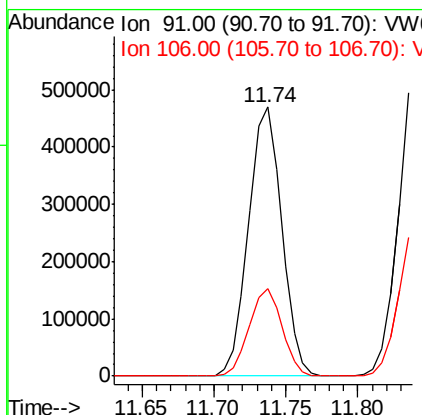
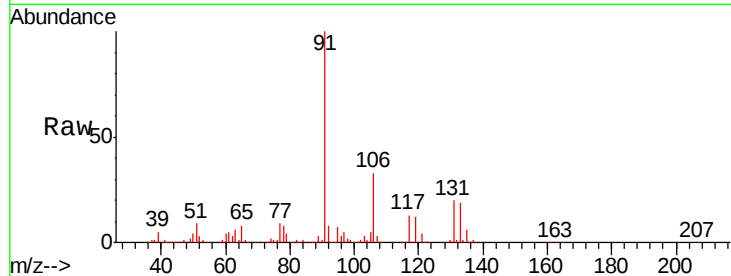




#67
Ethyl Benzene
Concen: 52.38 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

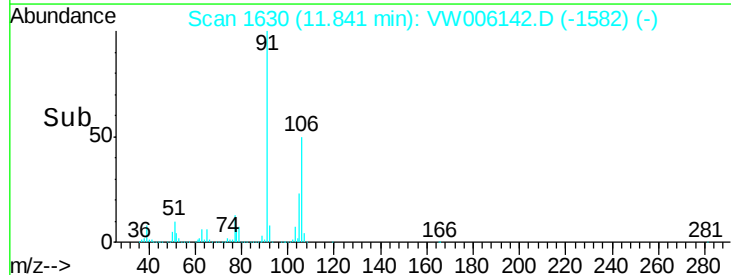
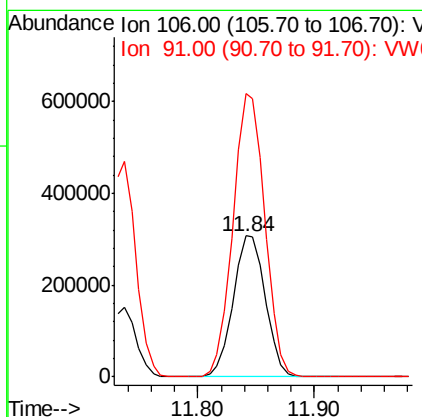
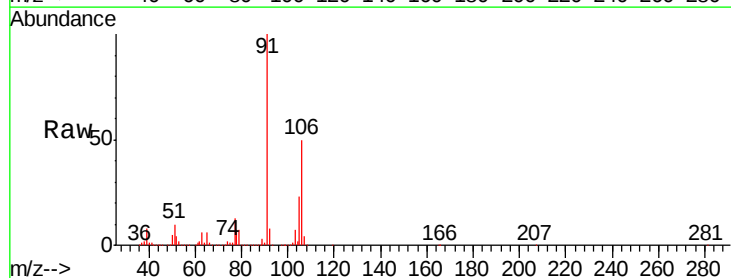
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

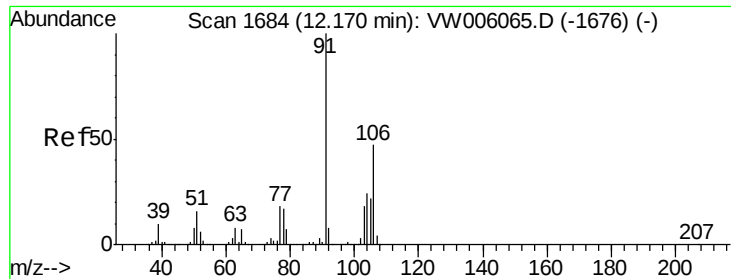
Tgt Ion: 91 Resp: 750295
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



#68
m/p-Xylenes
Concen: 104.28 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion: 106 Resp: 590399
Ion Ratio Lower Upper
106 100
91 198.9 159.1 238.7

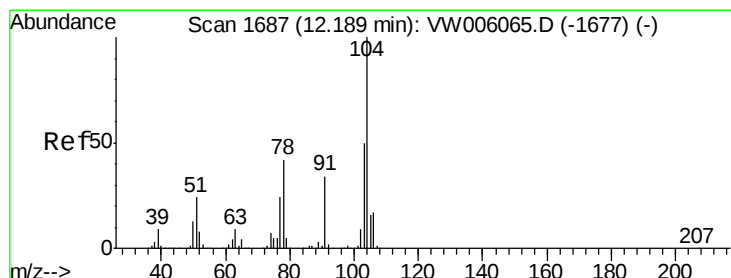
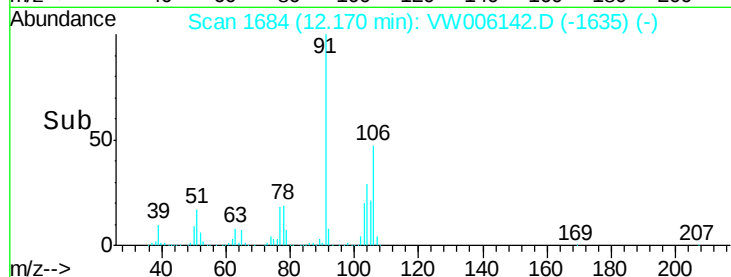
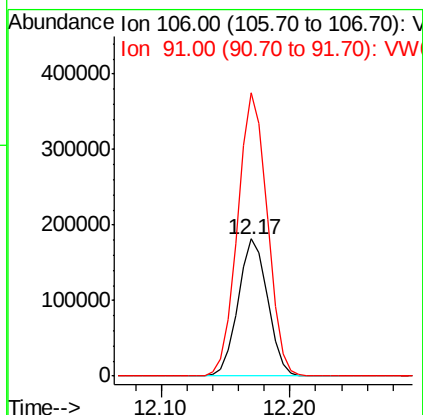
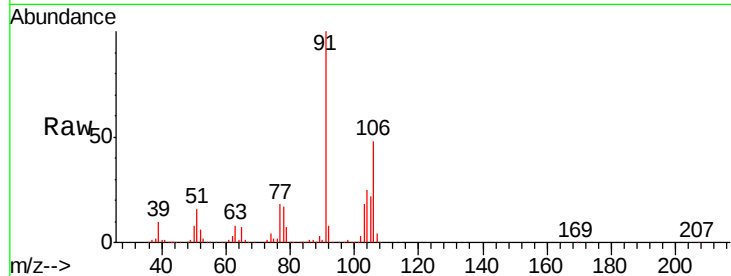




#69
o-Xylene
Concen: 53.40 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

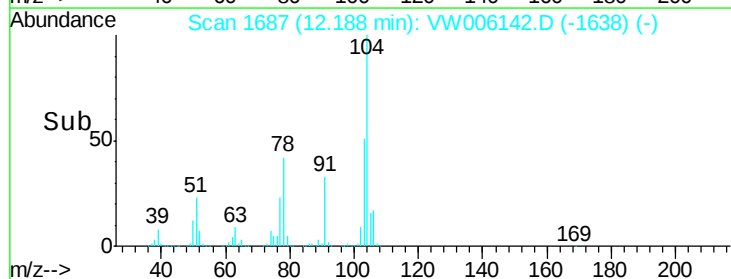
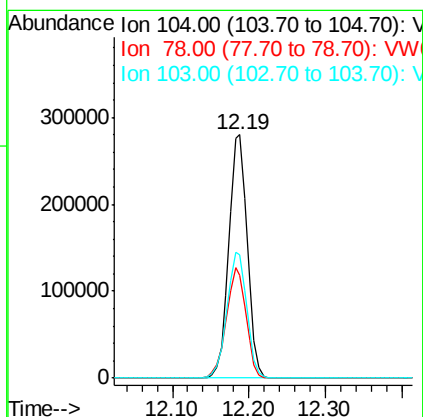
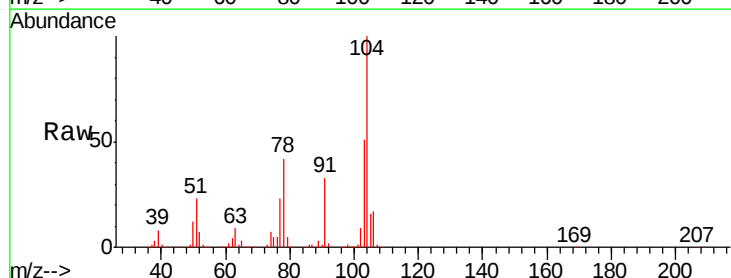
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

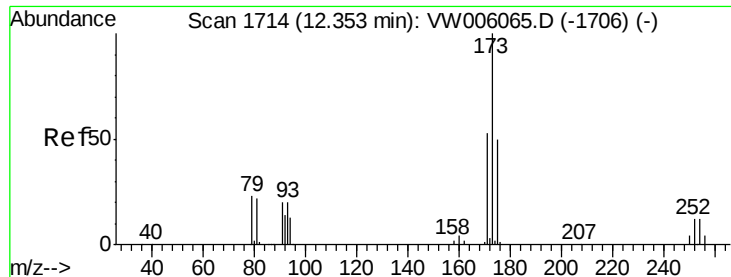
Tgt Ion:106 Resp: 288125
Ion Ratio Lower Upper
106 100
91 207.3 105.4 316.1



#70
Styrene
Concen: 53.04 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion:104 Resp: 465326
Ion Ratio Lower Upper
104 100
78 48.5 39.1 58.7
103 55.6 44.3 66.5





#71

Bromoform

Concen: 50.04 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

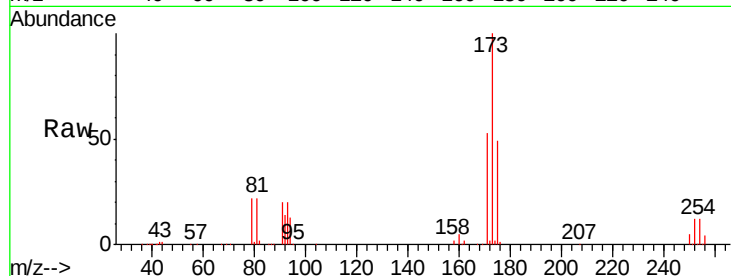
Tgt Ion:173 Resp: 81976

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

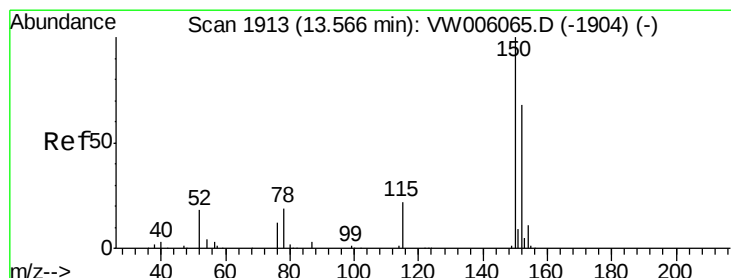
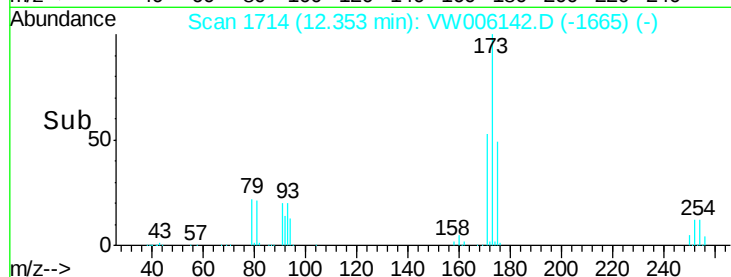
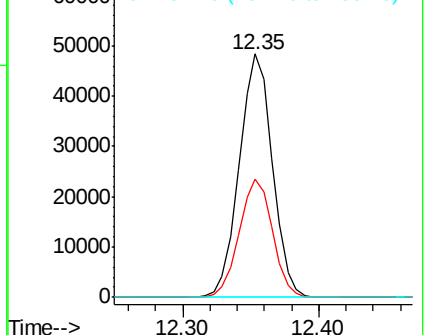
254 0.1 0.1 0.1



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# 1913

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

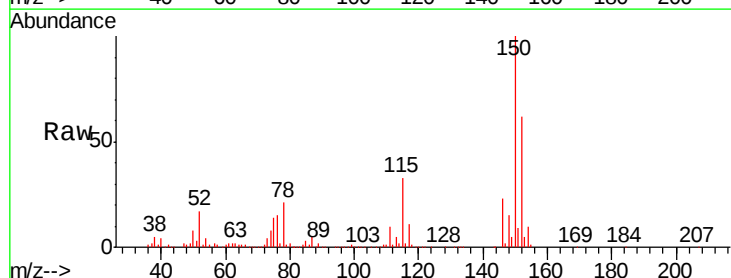
Tgt Ion:152 Resp: 215347

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

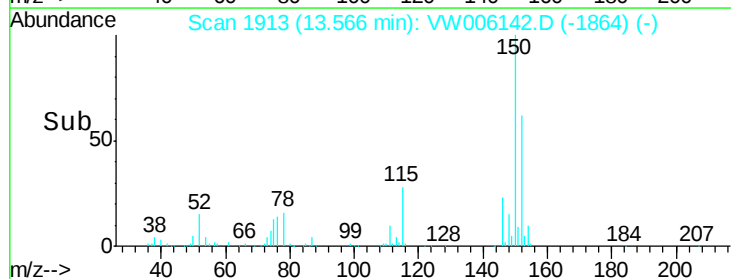
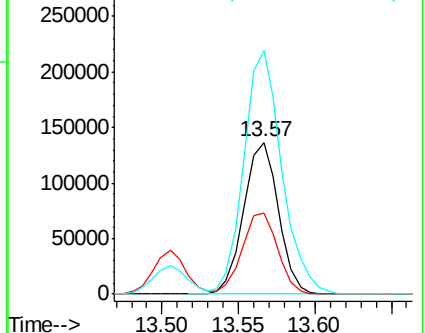
150 175.9 0.0 349.2

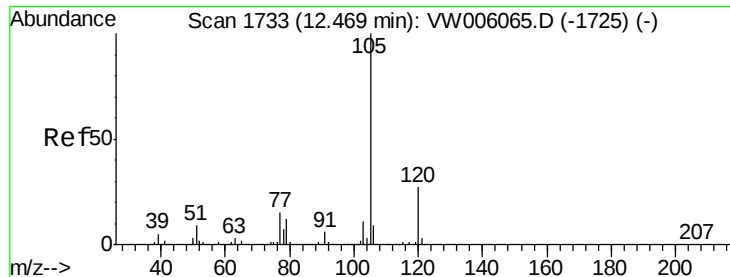


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.26 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

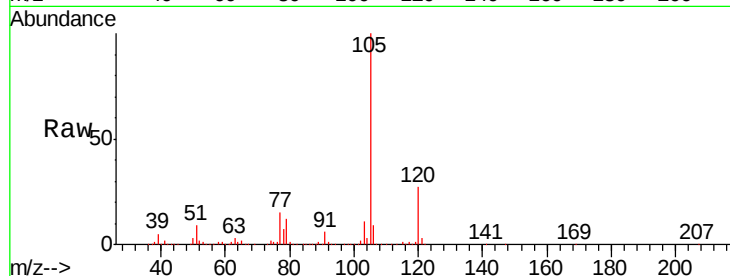
VSTDCCC050EC

Tgt Ion:105 Resp: 794998

Ion Ratio Lower Upper

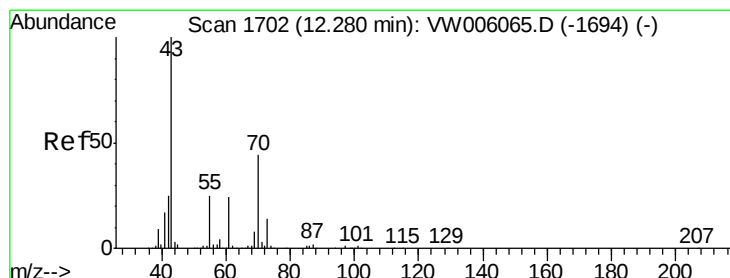
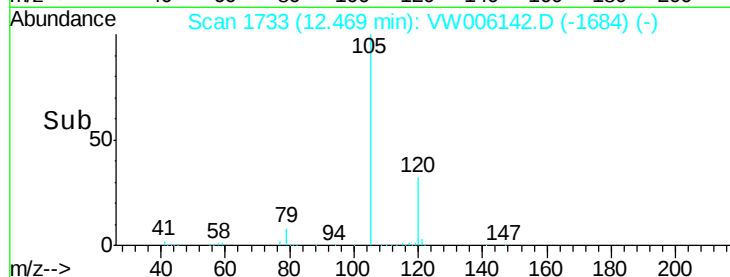
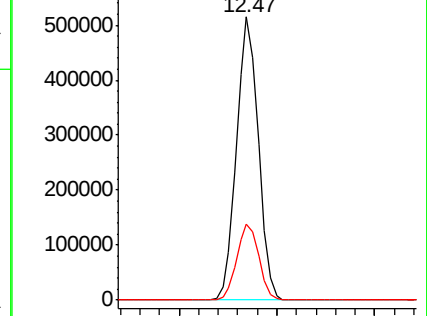
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.89 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Tgt Ion: 43 Resp: 144461

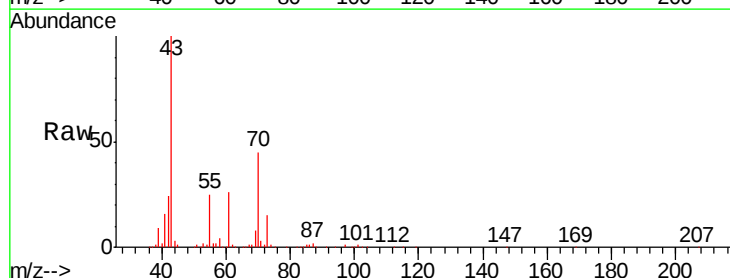
Ion Ratio Lower Upper

43 100

70 44.0 34.2 51.4

55 24.8 19.2 28.8

61 24.6 19.0 28.6

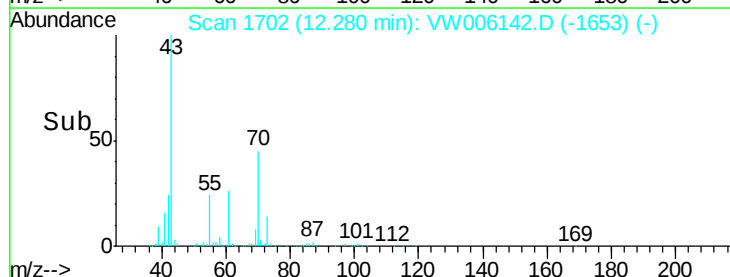
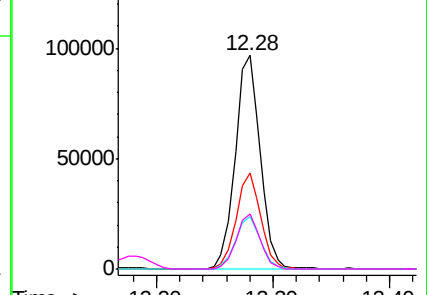


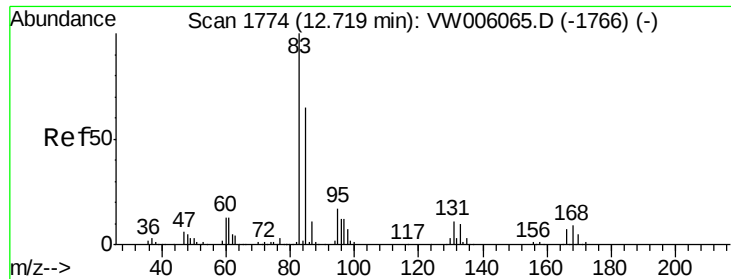
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 51.54 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

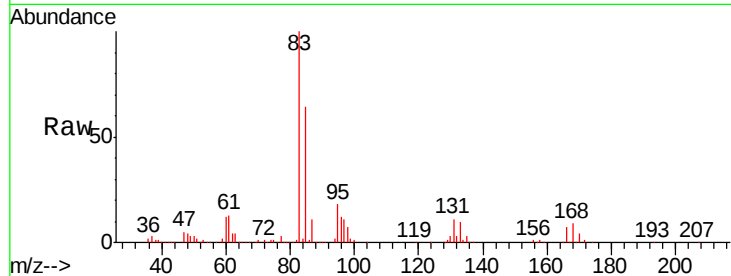
Tgt Ion: 83 Resp: 119266

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.7

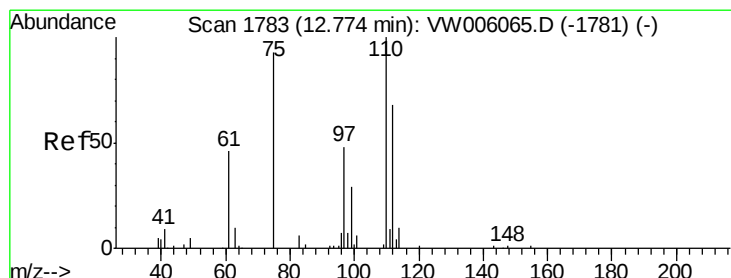
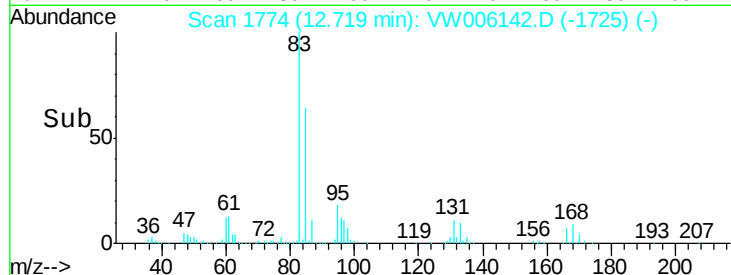
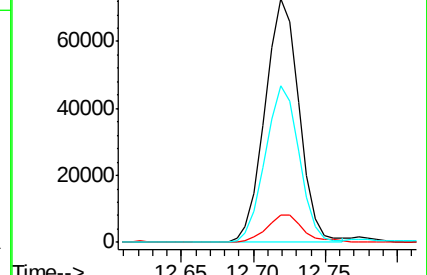
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 94.37 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006142.D

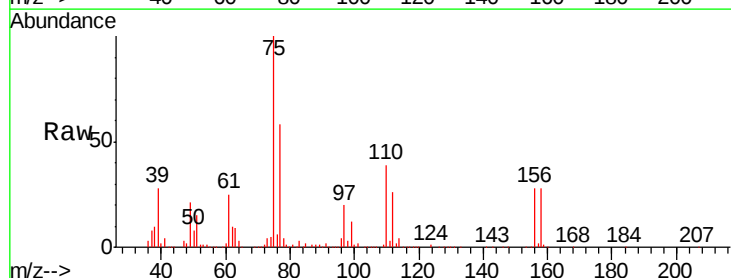
Acq: 17 Oct 2018 22:28

Tgt Ion: 75 Resp: 155224

Ion Ratio Lower Upper

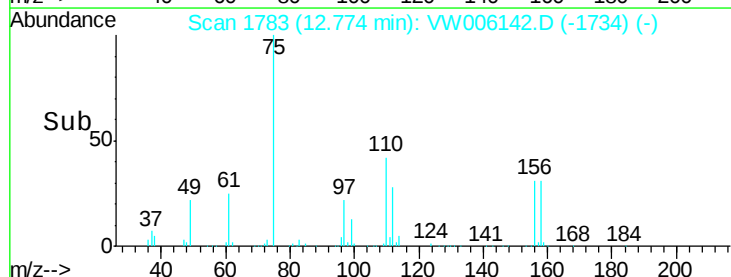
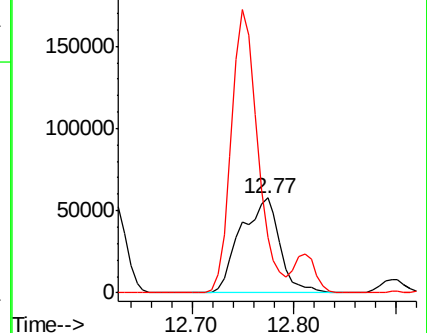
75 100

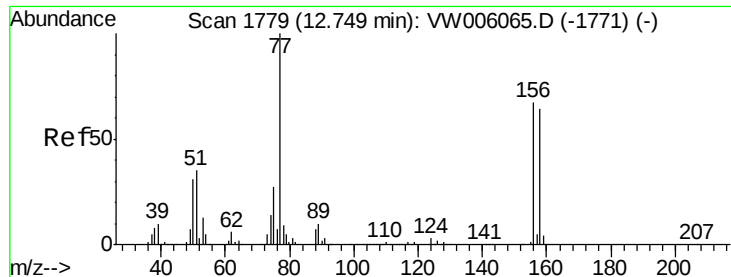
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.15 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

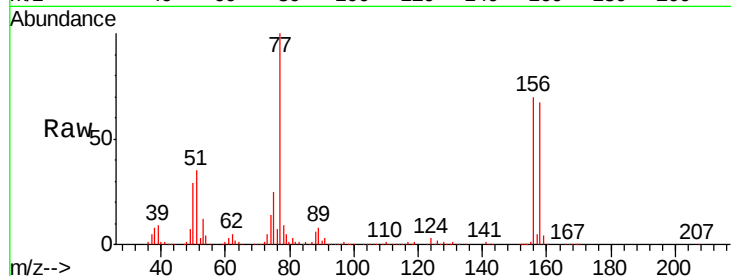
Tgt Ion:156 Resp: 198052

Ion Ratio Lower Upper

156 100

77 157.1 79.1 237.4

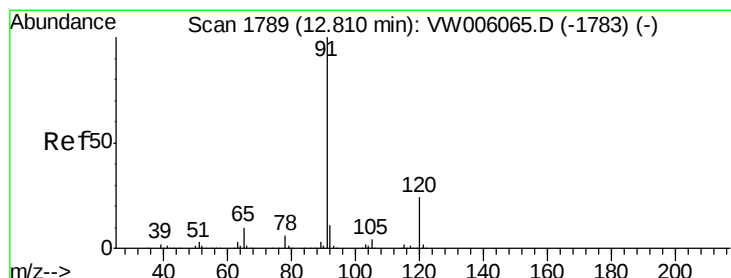
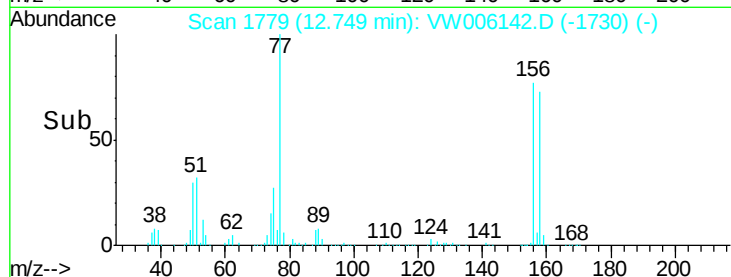
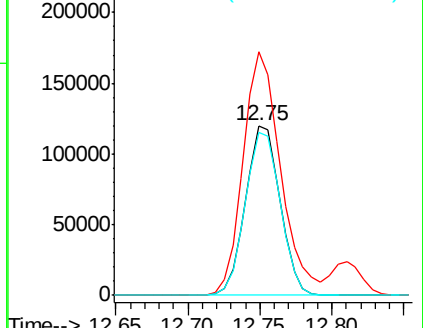
158 97.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.16 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006142.D

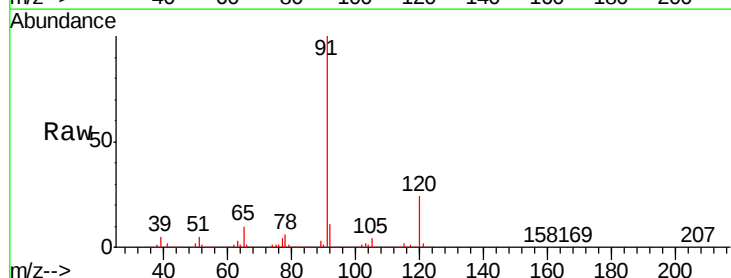
Acq: 17 Oct 2018 22:28

Tgt Ion: 91 Resp: 923204

Ion Ratio Lower Upper

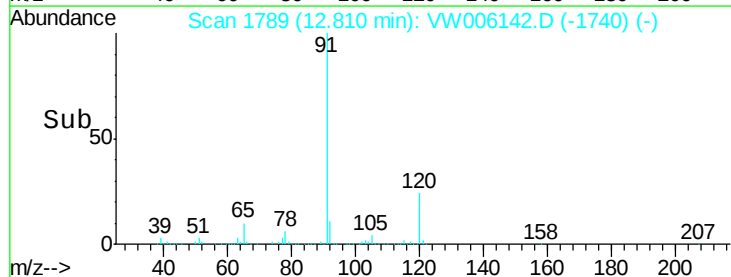
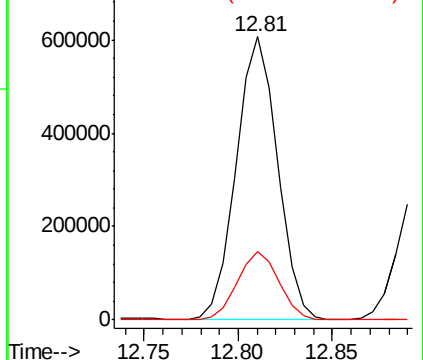
91 100

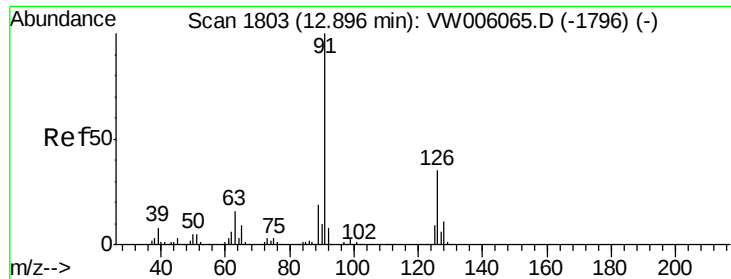
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

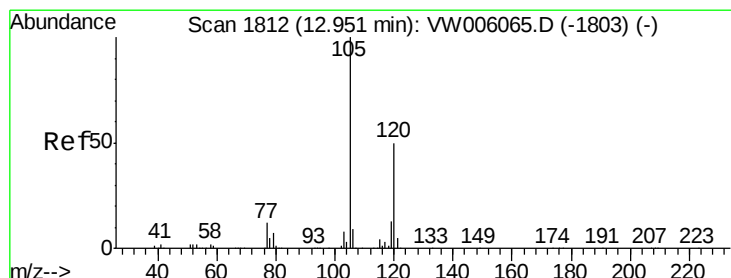
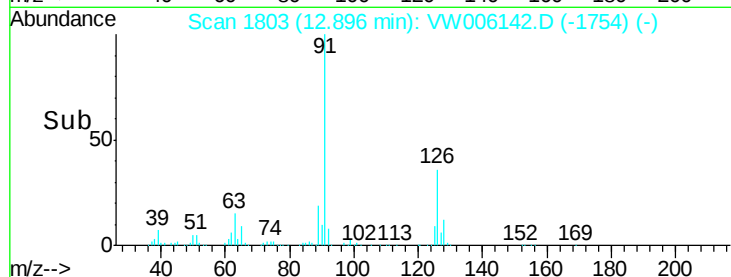
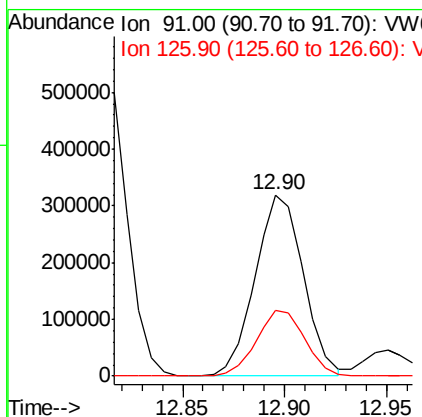
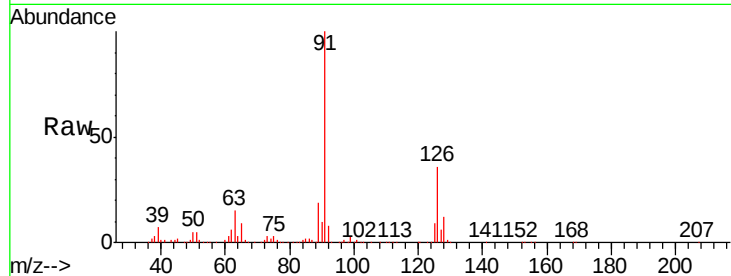




#79
 2-Chlorotoluene
 Concen: 52.88 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

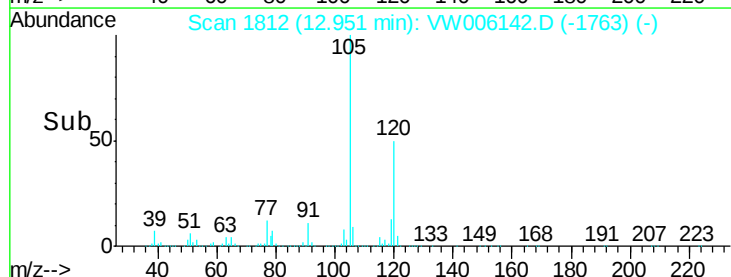
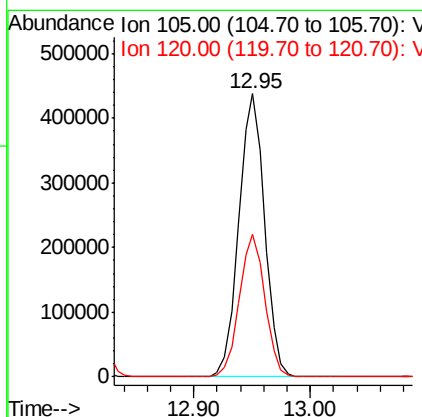
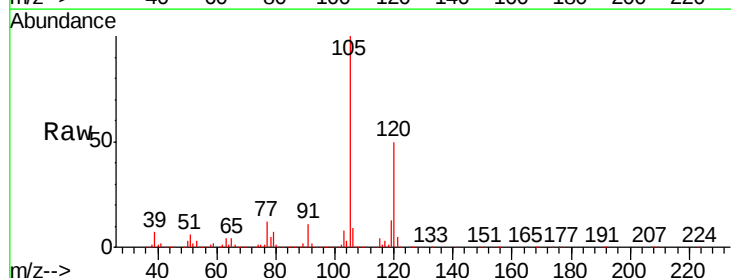
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 525900
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.54 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion: 105 Resp: 673853
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.10 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

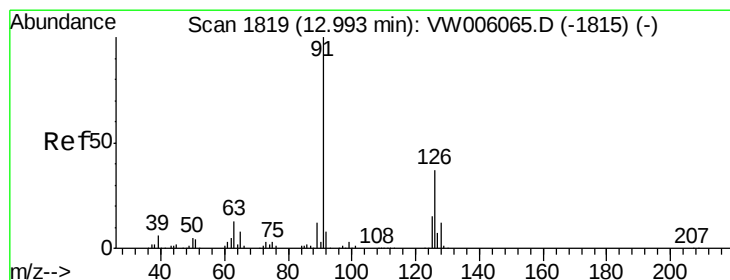
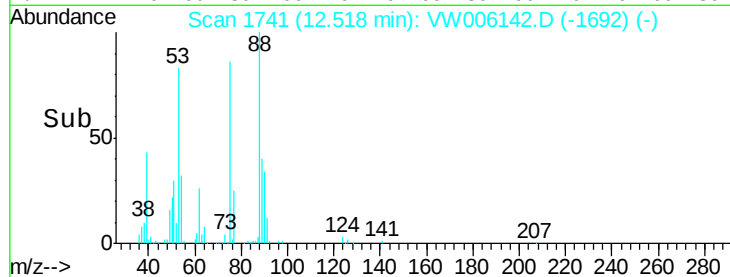
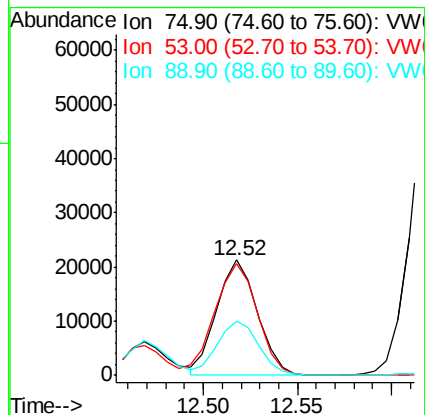
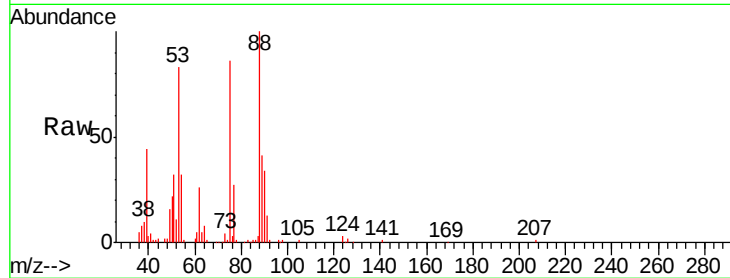
Tgt Ion: 75 Resp: 31722

Ion Ratio Lower Upper

75 100

53 101.9 79.8 119.6

89 48.4 37.5 56.3



#82

4-Chlorotoluene

Concen: 53.24 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006142.D

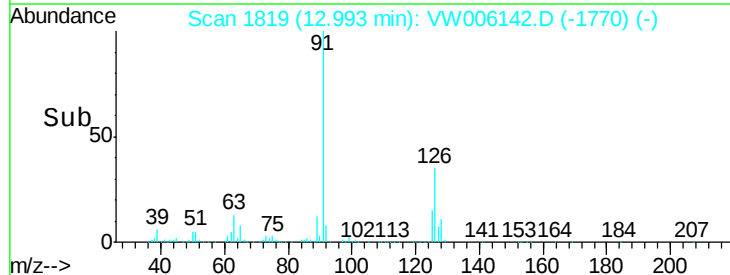
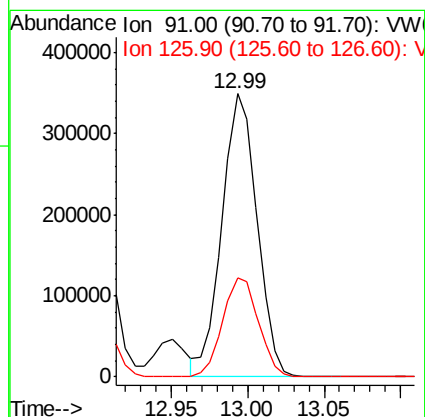
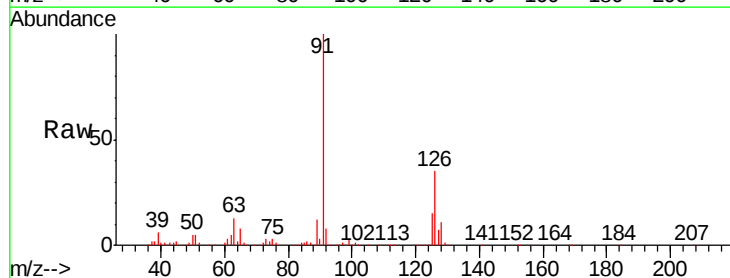
Acq: 17 Oct 2018 22:28

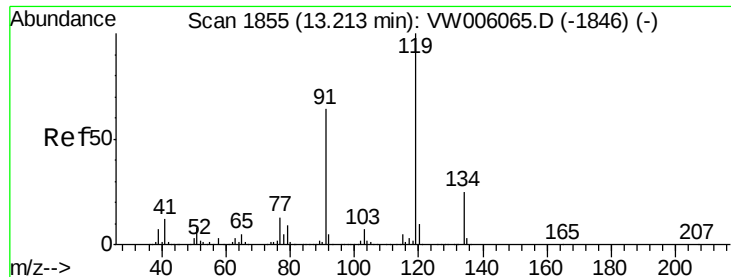
Tgt Ion: 91 Resp: 554627

Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.3

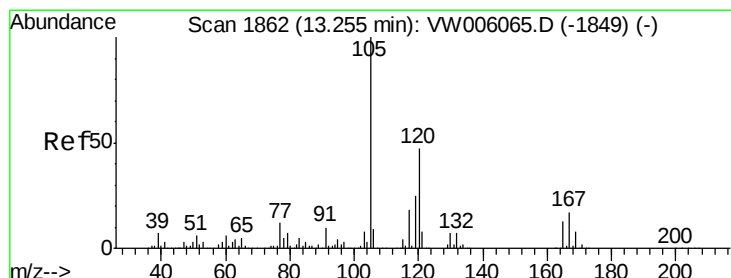
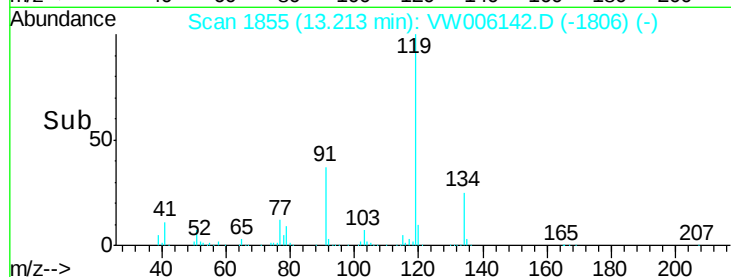
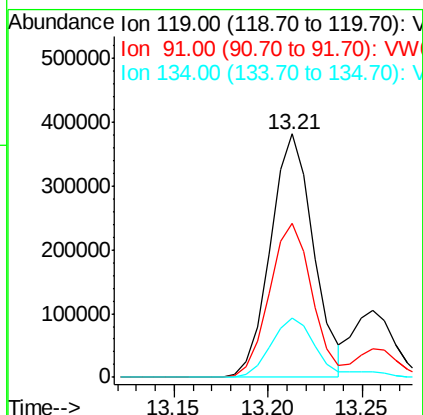
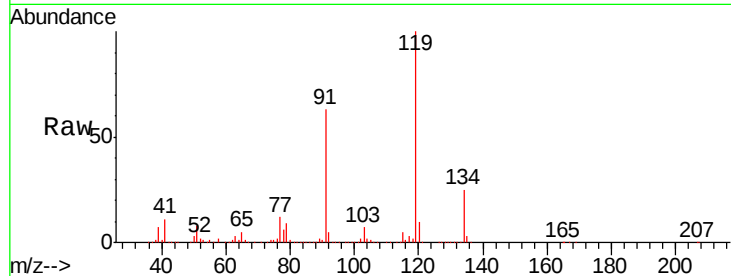




#83
 tert-Butylbenzene
 Concen: 52.54 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

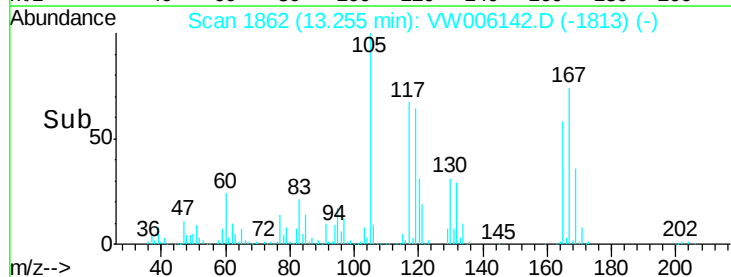
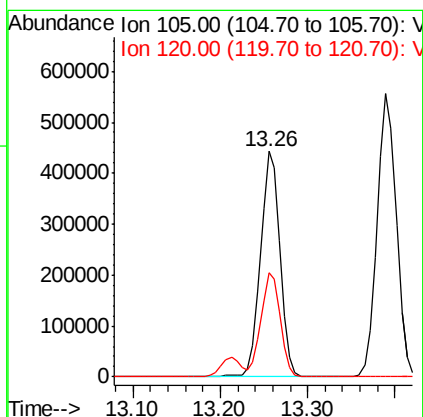
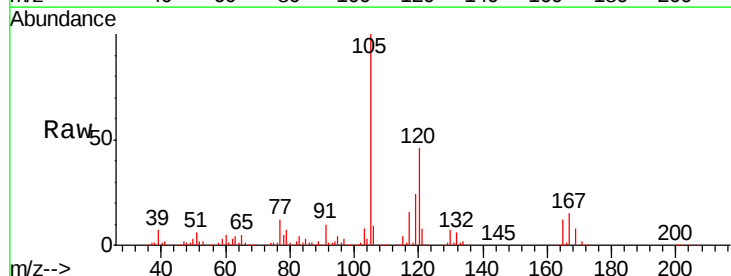
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

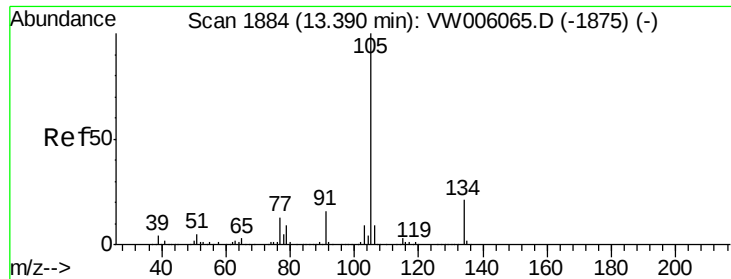
Tgt Ion:119 Resp: 602933
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.3 96.9
 134 26.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.94 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:105 Resp: 687072
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3

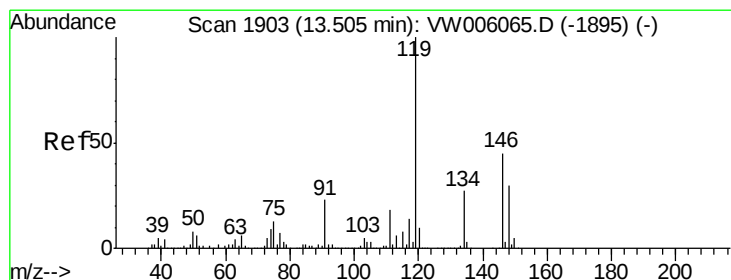
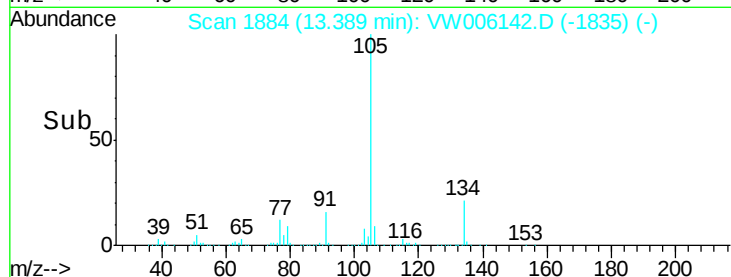
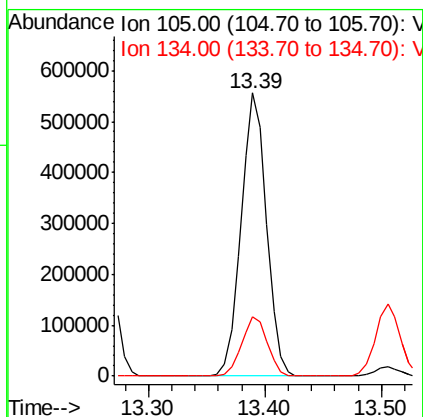
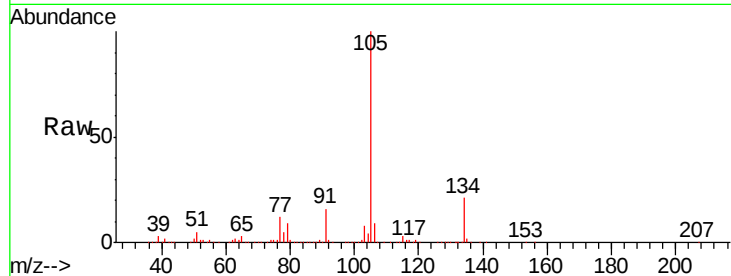




#85
 sec-Butylbenzene
 Concen: 51.95 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

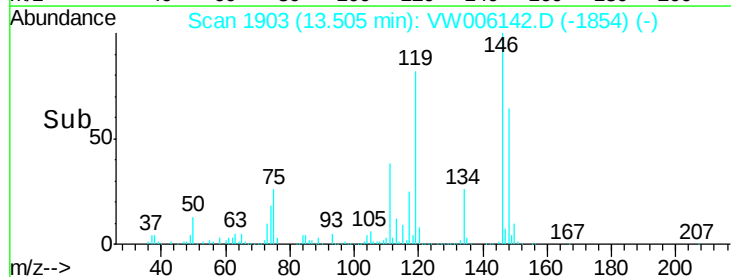
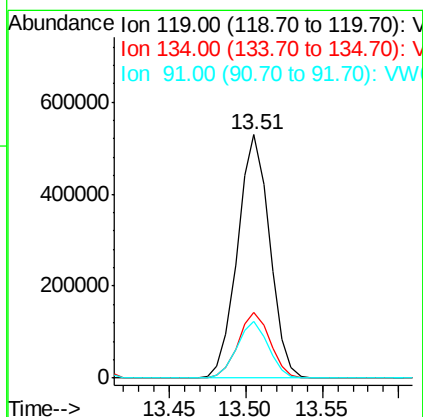
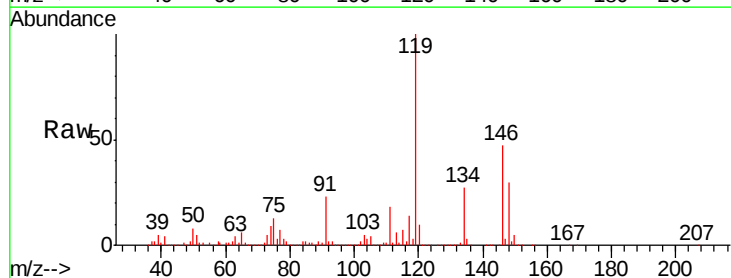
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

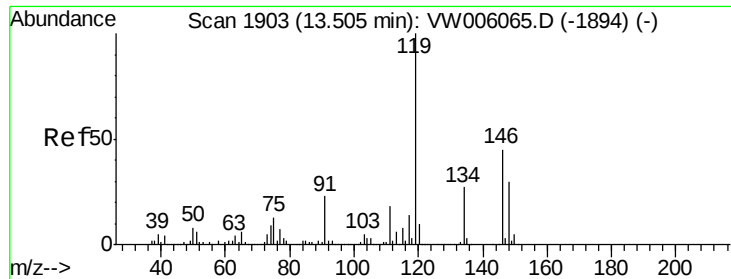
Tgt Ion:105 Resp: 842226
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 52.50 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:119 Resp: 769837
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.9 11.4 34.1

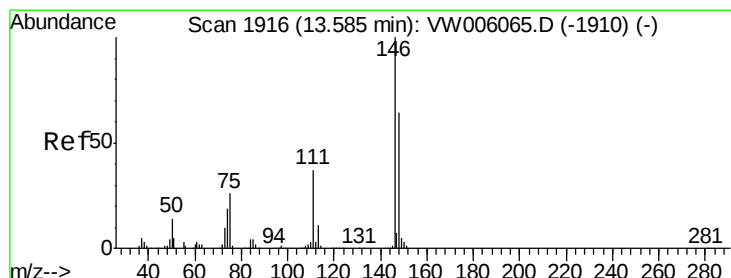
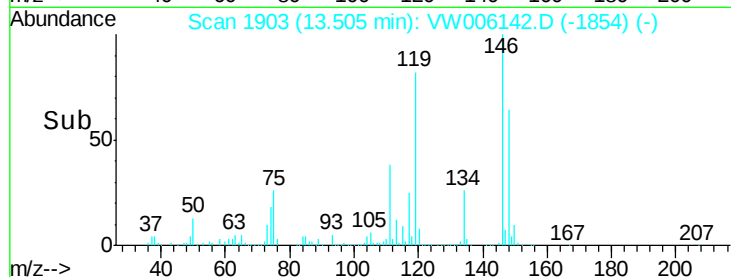
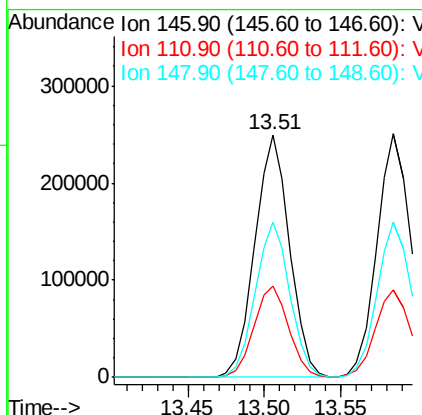
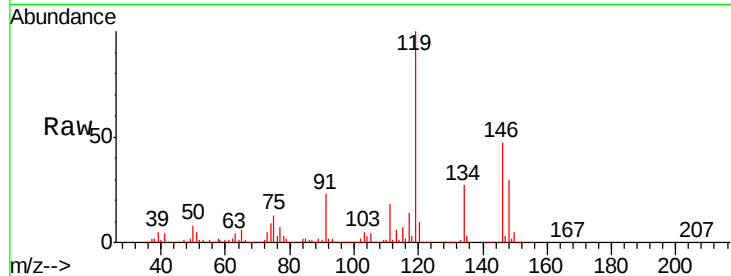




#87
 1,3-Dichlorobenzene
 Concen: 52.99 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

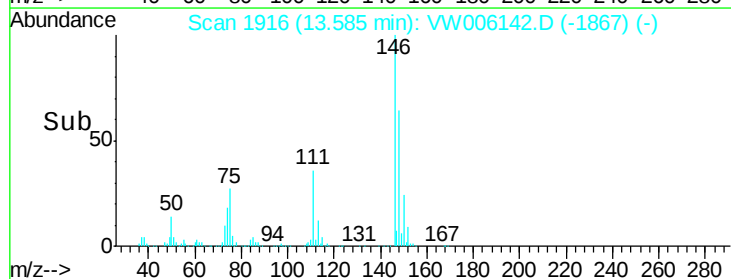
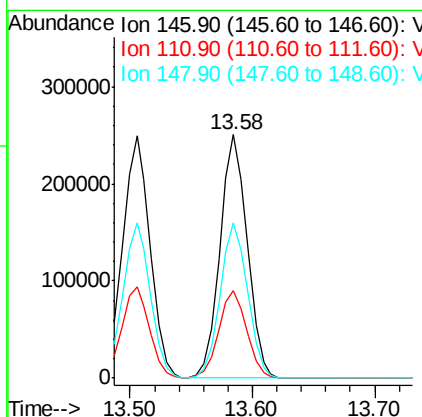
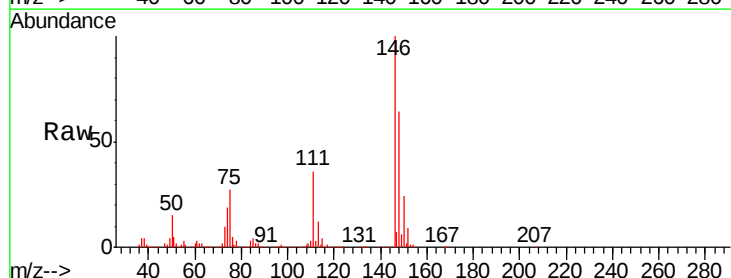
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

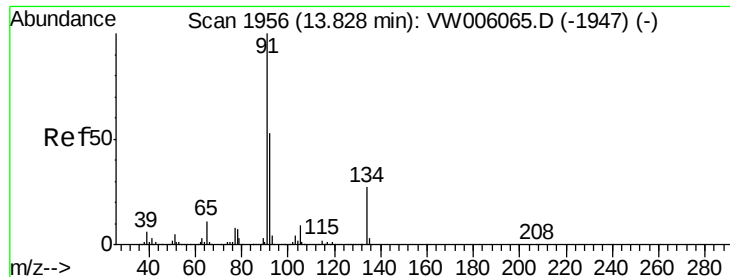
Tgt Ion:146 Resp: 392943
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.39 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:146 Resp: 386822
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 56.0
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 51.91 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

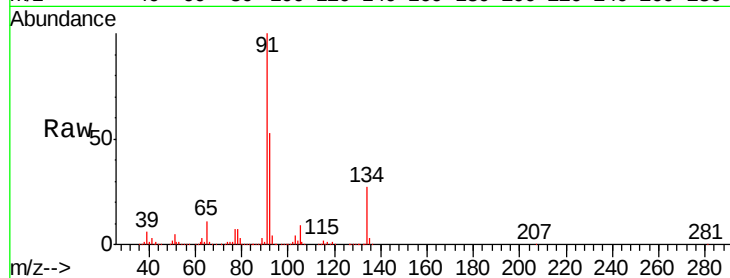
Tgt Ion: 91 Resp: 696074

Ion Ratio Lower Upper

91 100

92 52.8 26.6 79.7

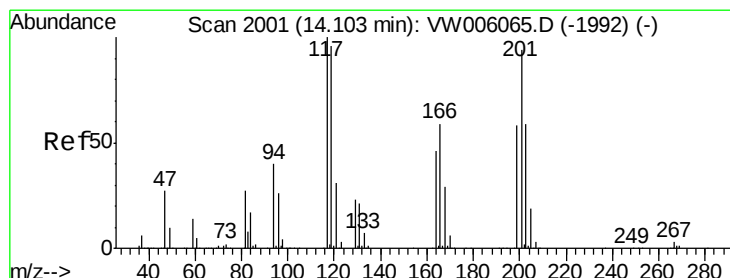
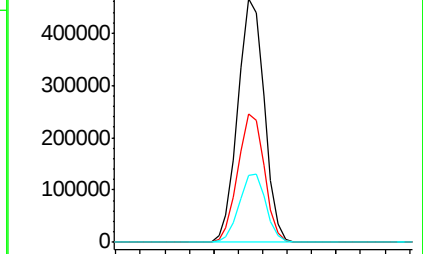
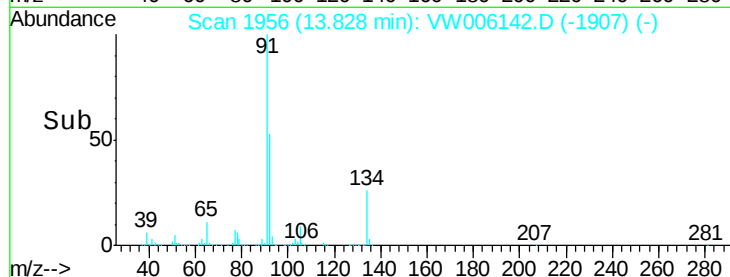
134 28.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.03 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006142.D

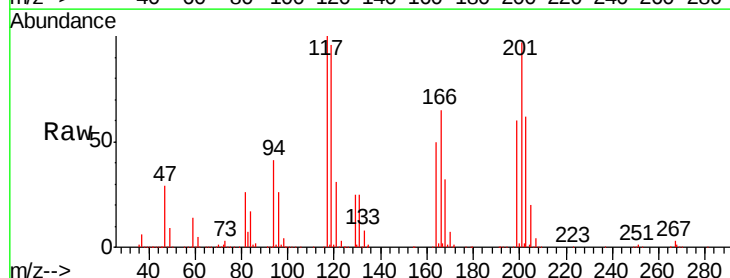
Acq: 17 Oct 2018 22:28

Tgt Ion: 117 Resp: 126735

Ion Ratio Lower Upper

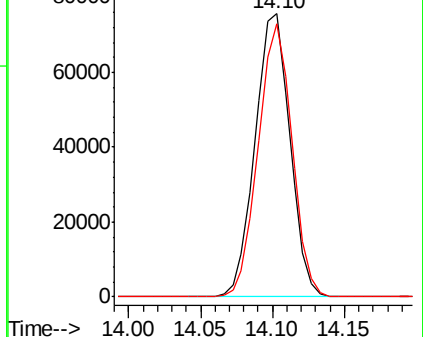
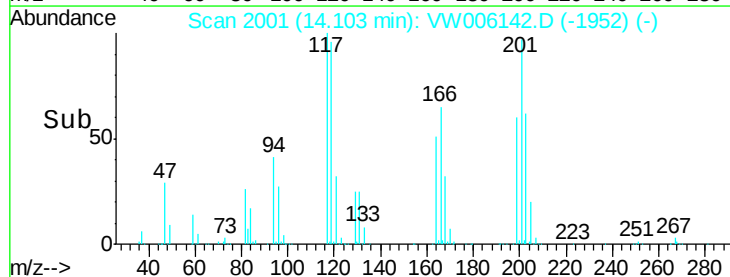
117 100

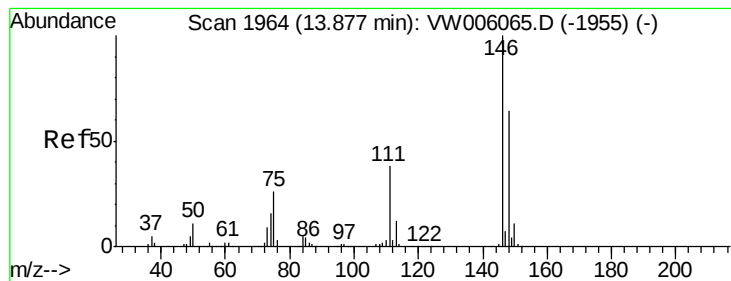
201 93.4 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 52.51 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

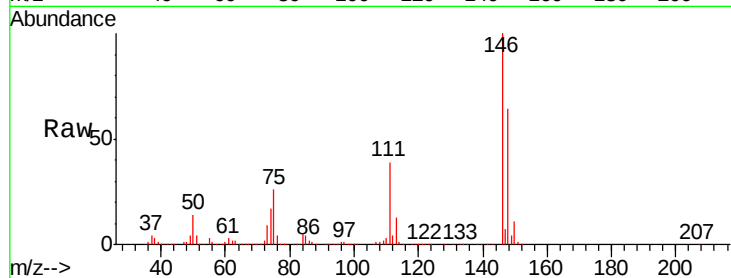
Tgt Ion:146 Resp: 347369

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

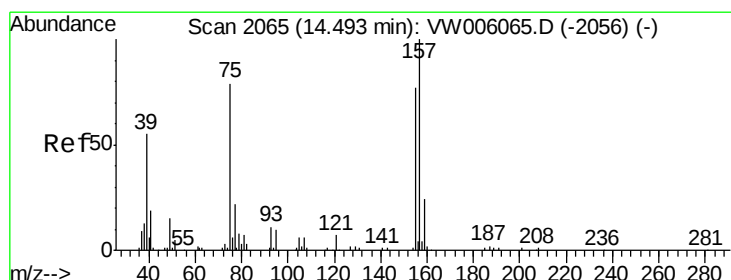
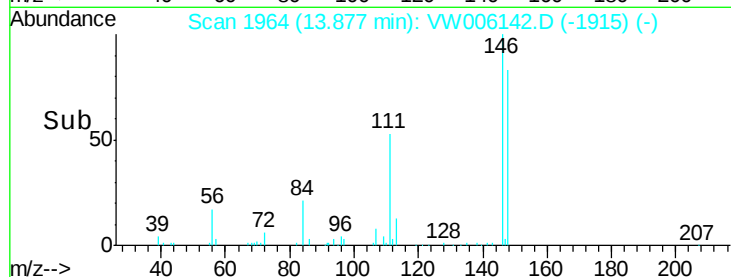
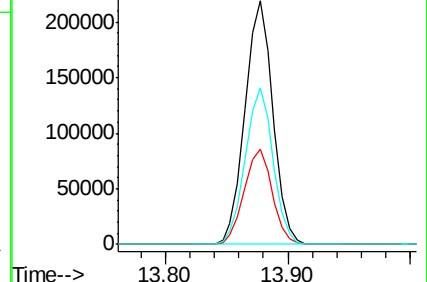
148 63.8 32.2 96.6



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: 47.69 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006142.D

Acq: 17 Oct 2018 22:28

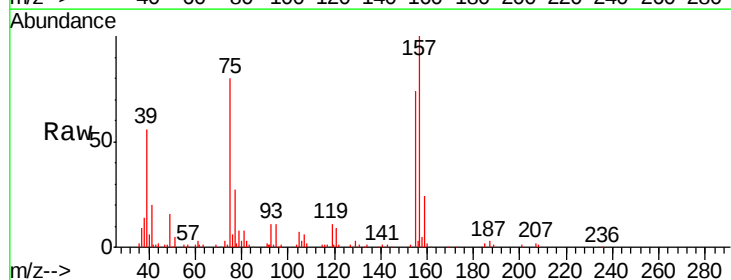
Tgt Ion: 75 Resp: 19756

Ion Ratio Lower Upper

75 100

155 97.0 46.5 139.5

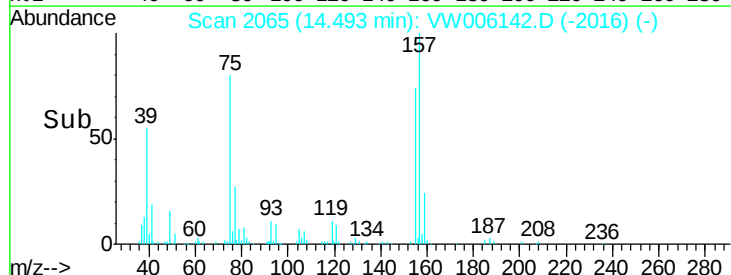
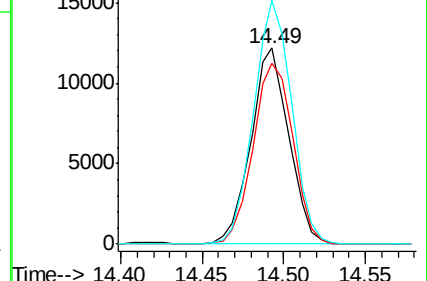
157 124.5 59.8 179.4

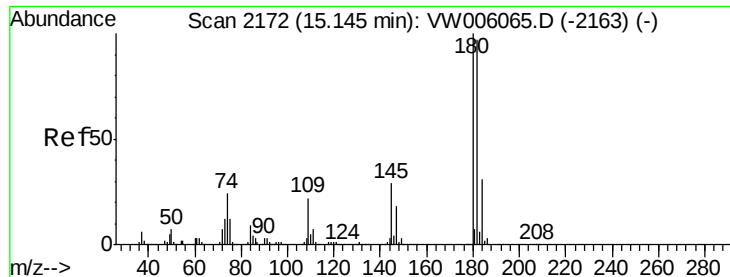


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

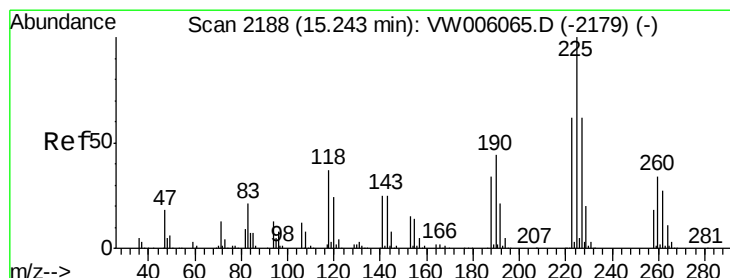
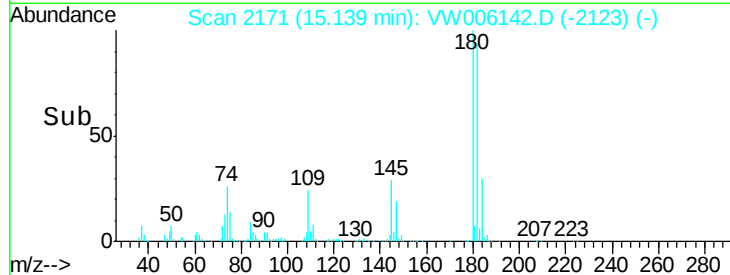
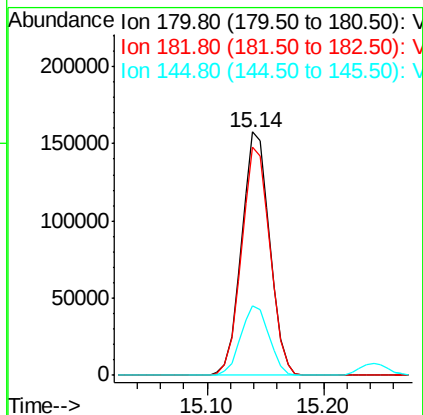
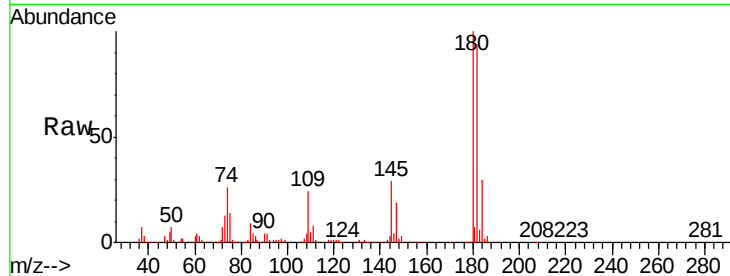




#93
 1,2,4-Trichlorobenzene
 Concen: 52.03 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

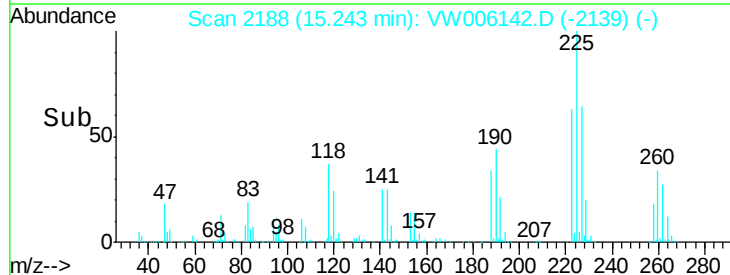
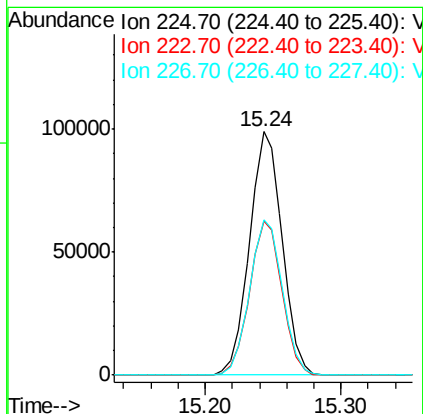
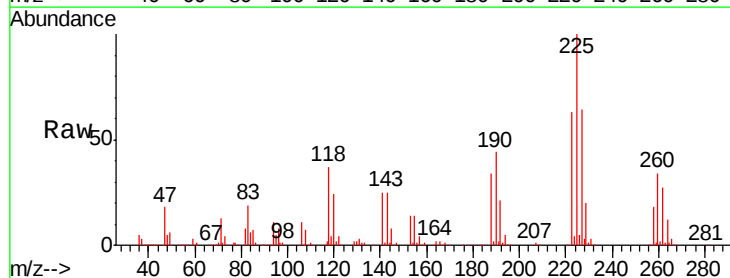
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

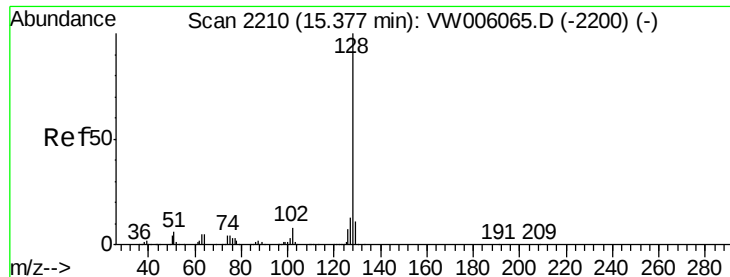
Tgt Ion:180 Resp: 264826
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.6
 145 29.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 52.02 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006142.D
 Acq: 17 Oct 2018 22:28

Tgt Ion:225 Resp: 166324
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 64.0 32.4 97.0

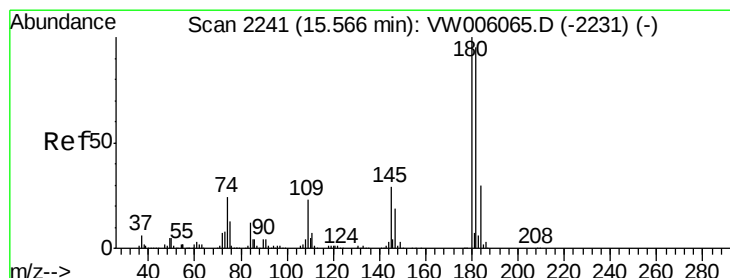
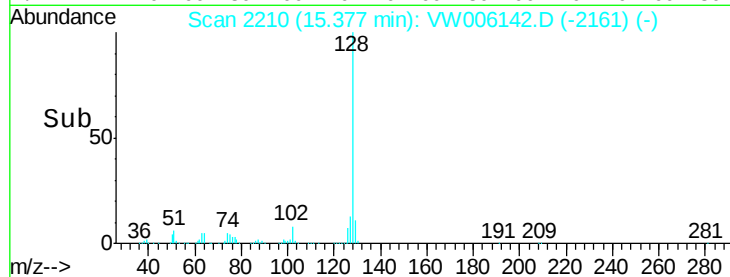
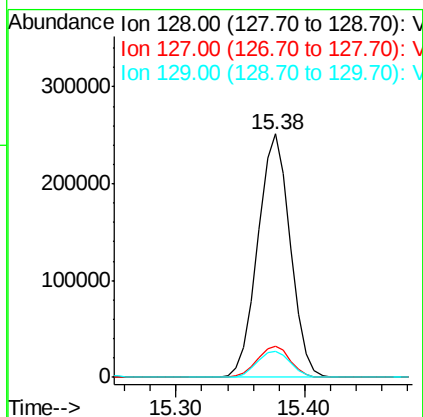
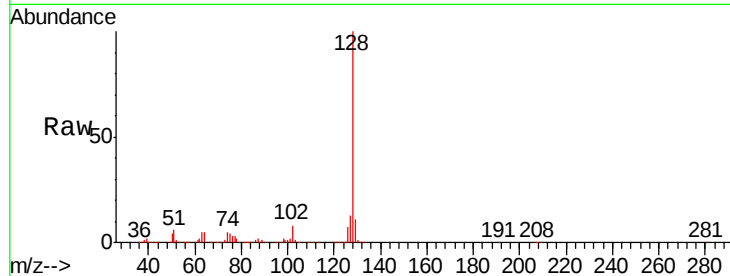




#95
Naphthalene
Concen: 51.61 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 437010
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.08 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006142.D
Acq: 17 Oct 2018 22:28

Tgt Ion:180 Resp: 229273
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 30.9 15.0 45.1

