

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006120.D
 Acq On : 17 Oct 2018 12:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 17 15:04:46 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	334636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	464133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	229308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123107	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	7.88	113	128882	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	10.33	98	502617	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.62	95	186541	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	91966	55.54	ug/l	98
3) Chloromethane	2.21	50	99128	46.50	ug/l	99
4) Vinyl Chloride	2.37	62	154572	50.78	ug/l	99
5) Bromomethane	2.78	94	127516	46.05	ug/l	99
6) Chloroethane	2.93	64	102873	47.16	ug/l	98
7) Trichlorofluoromethane	3.26	101	147425	51.99	ug/l	99
8) Diethyl Ether	3.68	74	66995	44.45	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159503	53.67	ug/l	99
10) Methyl Iodide	4.27	142	264455	53.46	ug/l	99
11) Tert butyl alcohol	5.17	59	45470	243.70	ug/l	97
12) 1,1-Dichloroethene	4.03	96	149841	53.59	ug/l	93
13) Acrolein	3.89	56	46827	259.36	ug/l	100
14) Allyl chloride	4.67	41	210680	52.70	ug/l	100
15) Acrylonitrile	5.37	53	130481	241.38	ug/l	99
16) Acetone	4.12	43	150958	292.56	ug/l	99
17) Carbon Disulfide	4.37	76	440353	52.18	ug/l	100
18) Methyl Acetate	4.67	43	64804	46.42	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	206692	48.54	ug/l	96
20) Methylene Chloride	4.91	84	152354	51.96	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	164490	52.71	ug/l	98
22) Diisopropyl ether	6.31	45	403253	51.04	ug/l	99
23) Vinyl Acetate	6.26	43	1137787	244.03	ug/l	100
24) 1,1-Dichloroethane	6.21	63	268419	52.65	ug/l	98
25) 2-Butanone	7.17	43	183701	245.11	ug/l	99
26) 2,2-Dichloropropane	7.17	77	193464	53.81	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	178543	51.84	ug/l	97
28) Bromochloromethane	7.51	49	96738	49.15	ug/l	98
29) Tetrahydrofuran	7.53	42	108526	235.57	ug/l	99
30) Chloroform	7.68	83	290800	52.36	ug/l	98
31) Cyclohexane	7.95	56	256418	50.51	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	267391	53.37	ug/l	99
36) 1,1-Dichloropropene	8.09	75	238923	55.85	ug/l	99
37) Ethyl Acetate	7.25	43	74899	47.12	ug/l	100
38) Carbon Tetrachloride	8.07	117	260944	55.64	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	319240	56.14	ug/l	98
40) Benzene	8.32	78	635803	54.18	ug/l	100
41) Methacrylonitrile	7.49	41	49916	52.09	ug/l	98
42) 1,2-Dichloroethane	8.40	62	180160	52.26	ug/l	100
43) Isopropyl Acetate	8.43	43	153994	47.39	ug/l	99
44) Trichloroethene	9.09	130	199754	55.48	ug/l	99
45) 1,2-Dichloropropane	9.37	63	148369	52.84	ug/l	99
46) Dibromomethane	9.46	93	82163	51.34	ug/l	98
47) Bromodichloromethane	9.65	83	205628	52.99	ug/l	98
48) Methyl methacrylate	9.44	41	76793	49.85	ug/l	99
49) 1,4-Dioxane	9.45	88	26327	1068.52	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	386646	237.45	ug/l	99
52) Toluene	10.39	92	429922	54.65	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	202366	52.35	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	238030	53.65	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	114578	51.16	ug/l	98
56) Ethyl methacrylate	10.65	69	137695	50.15	ug/l	98
57) 1,3-Dichloropropane	10.93	76	188811	50.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	234843	223.84	ug/l	98
59) 2-Hexanone	10.97	43	280452	241.28	ug/l	100
60) Dibromochloromethane	11.13	129	144566	51.82	ug/l	99
61) 1,2-Dibromoethane	11.24	107	113934	50.91	ug/l	100
64) Tetrachloroethene	10.87	164	178340	55.45	ug/l	99
65) Chlorobenzene	11.66	112	485110	54.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	173658	55.10	ug/l	100
67) Ethyl Benzene	11.74	91	860943	56.02	ug/l	99
68) m/p-Xylenes	11.84	106	682293	112.32	ug/l	99
69) o-Xylene	12.17	106	325711	56.26	ug/l	98
70) Styrene	12.18	104	522904	55.54	ug/l	100
71) Bromoform	12.35	173	89046	50.65	ug/l #	100
73) Isopropylbenzene	12.47	105	925786	57.15	ug/l	100
74) N-amyl acetate	12.28	43	157124	49.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	125627	50.99	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	167658	95.72	ug/l #	100
77) Bromobenzene	12.75	156	217926	54.92	ug/l	99
78) n-propylbenzene	12.81	91	1072986	56.93	ug/l	100
79) 2-Chlorotoluene	12.90	91	593426	56.04	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	773006	56.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37201	50.77	ug/l	99
82) 4-Chlorotoluene	12.99	91	626211	56.45	ug/l	100
83) tert-Butylbenzene	13.21	119	698243	57.15	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	778287	56.32	ug/l	100
85) sec-Butylbenzene	13.39	105	987886	57.23	ug/l	100
86) p-Isopropyltoluene	13.51	119	898362	57.54	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	437383	55.39	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	431720	54.91	ug/l	99
89) n-Butylbenzene	13.83	91	819281	57.38	ug/l	99
90) Hexachloroethane	14.10	117	146969	55.57	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	382338	54.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21328	48.35	ug/l	98

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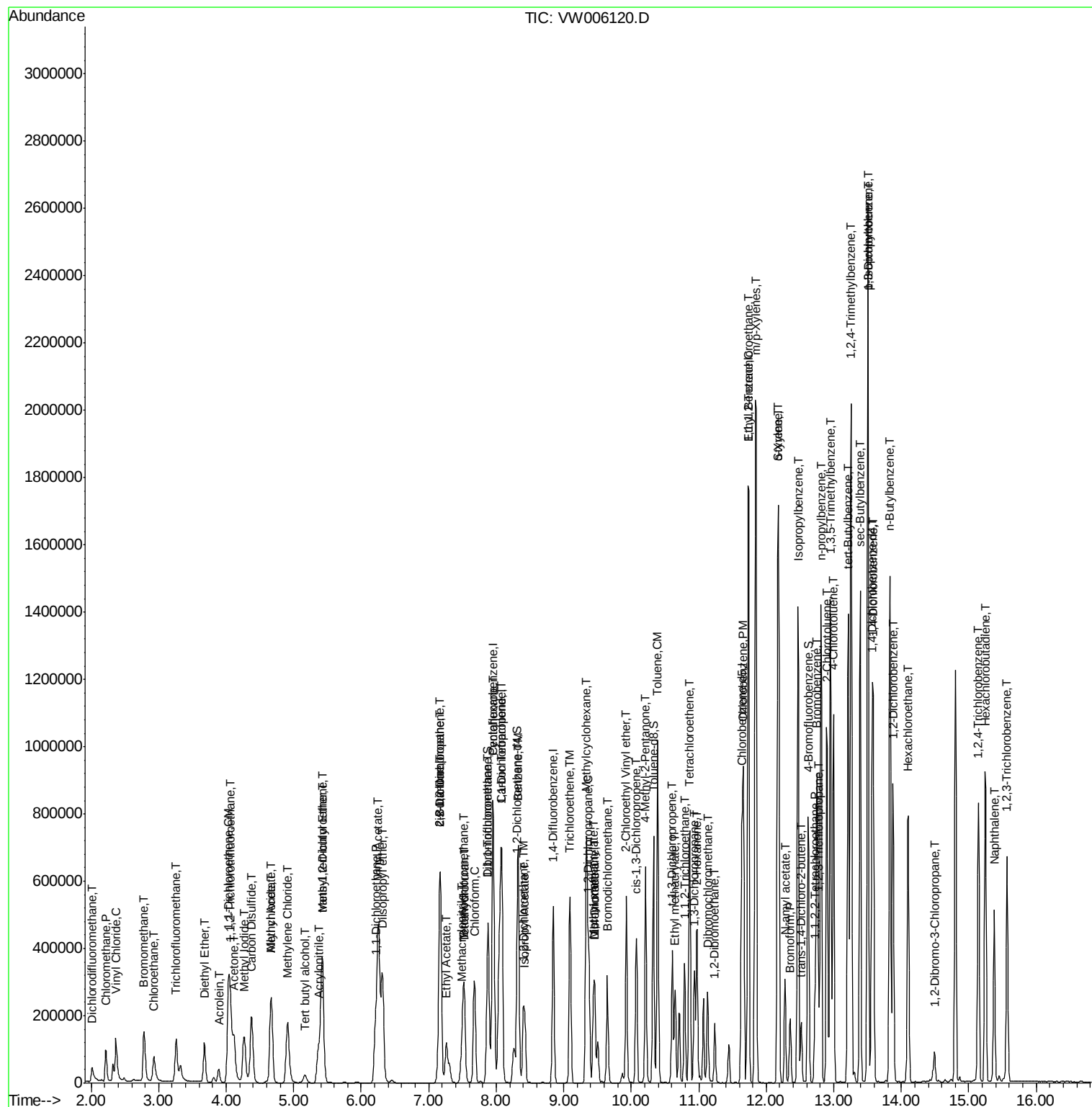
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	291736	53.83	ug/l	100
94) Hexachlorobutadiene	15.25	225	193985	56.98	ug/l	99
95) Naphthalene	15.38	128	451550	50.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	244304	52.11	ug/l	99

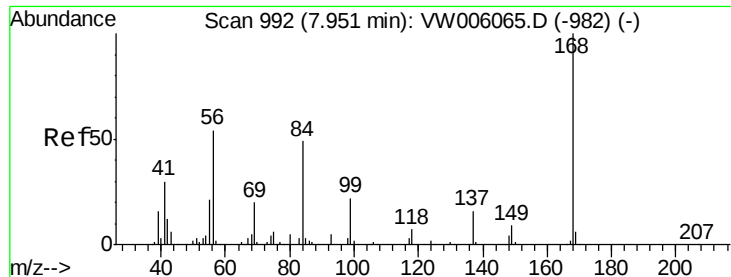
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

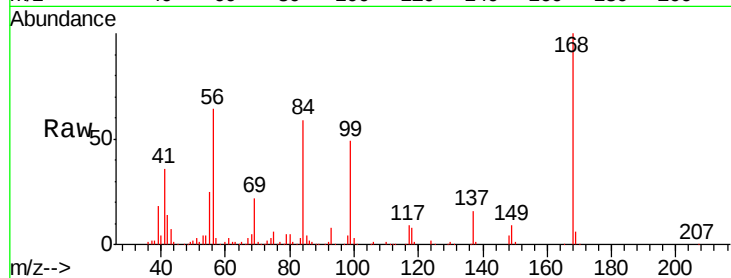
VSTDCCC050

Tgt Ion:168 Resp: 334636

Ion Ratio Lower Upper

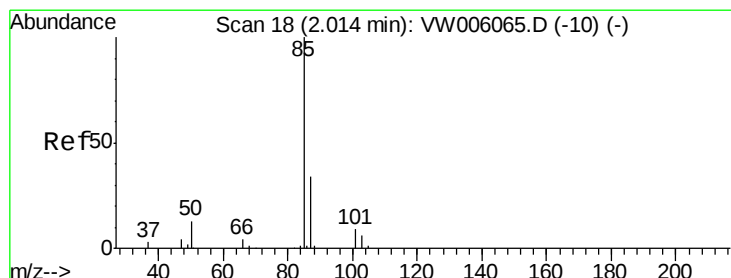
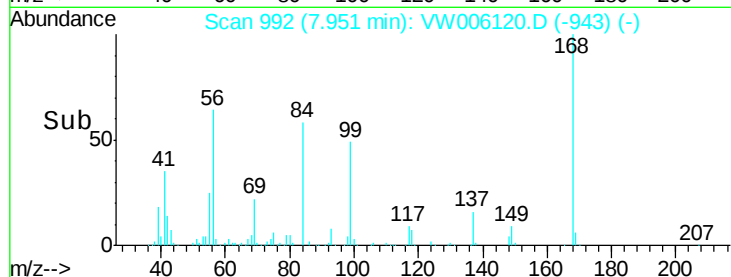
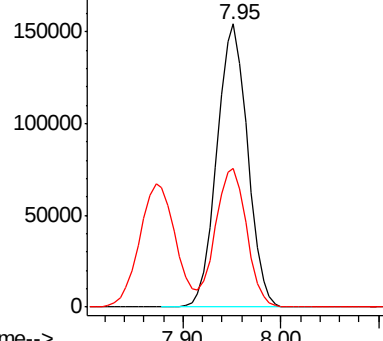
168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.54 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006120.D

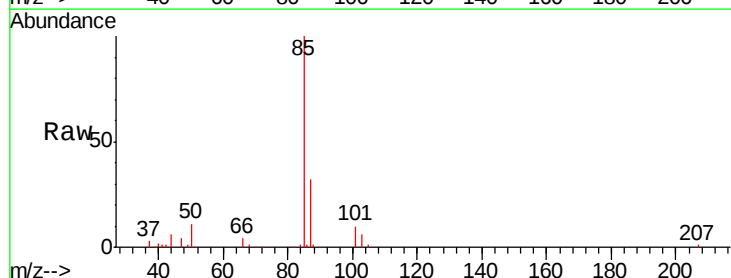
Acq: 17 Oct 2018 12:12

Tgt Ion: 85 Resp: 91966

Ion Ratio Lower Upper

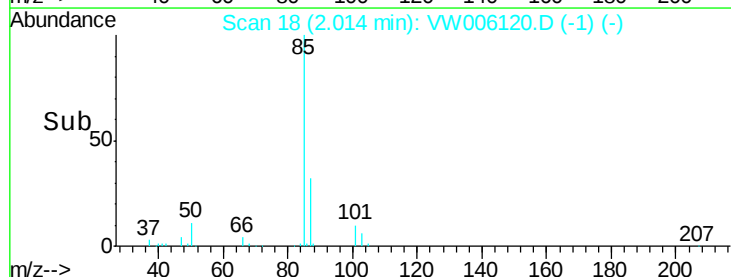
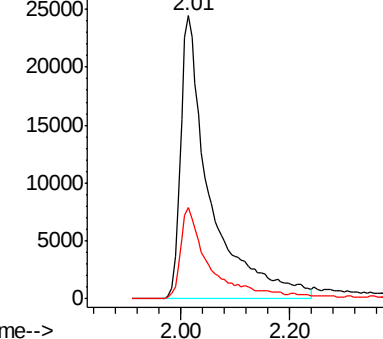
85 100

87 32.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.50 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

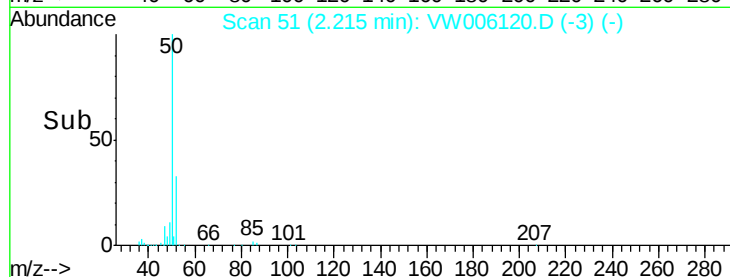
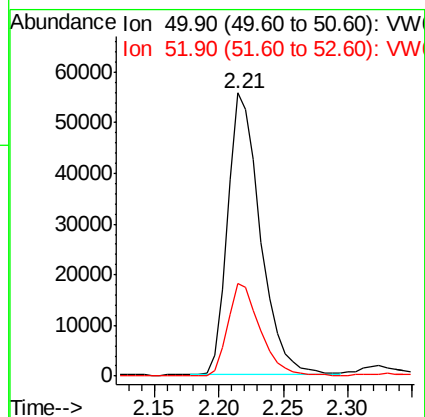
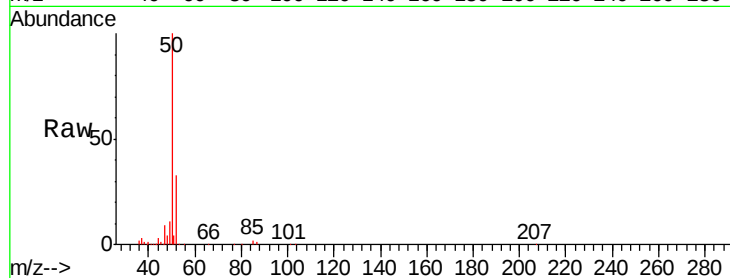
VSTDCCC050

Tgt Ion: 50 Resp: 99128

Ion Ratio Lower Upper

50 100

52 32.7 26.8 40.2



#4

Vinyl Chloride

Concen: 50.78 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006120.D

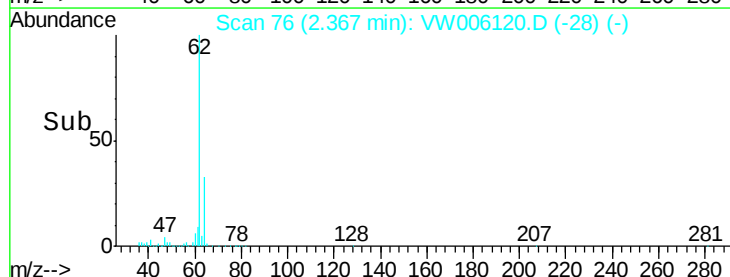
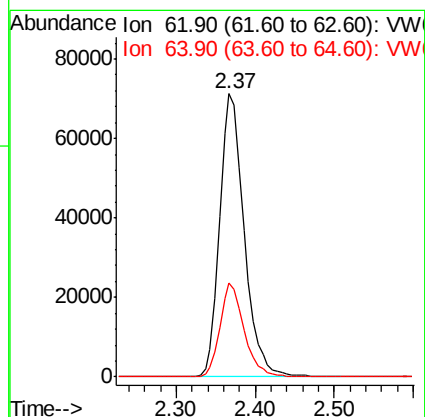
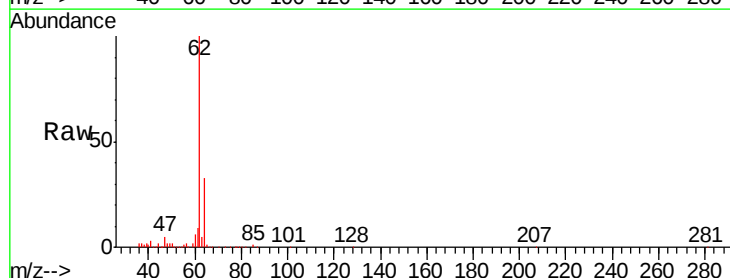
Acq: 17 Oct 2018 12:12

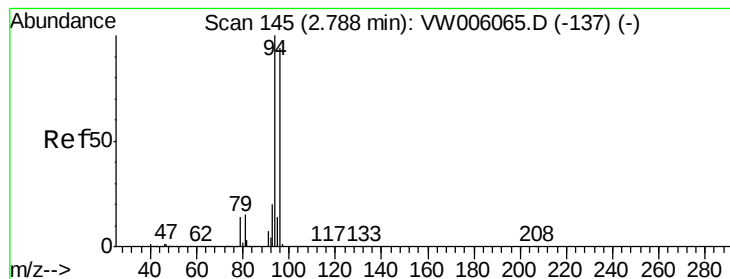
Tgt Ion: 62 Resp: 154572

Ion Ratio Lower Upper

62 100

64 33.1 25.9 38.9





#5

Bromomethane

Concen: 46.05 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

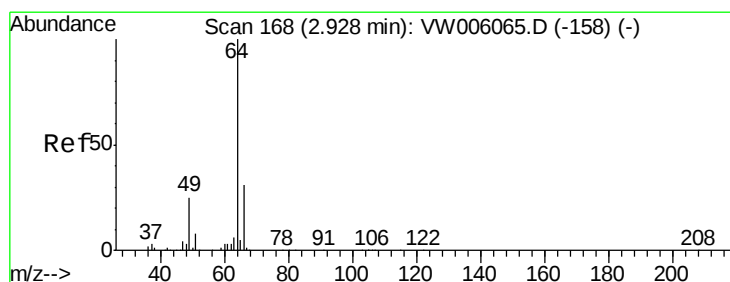
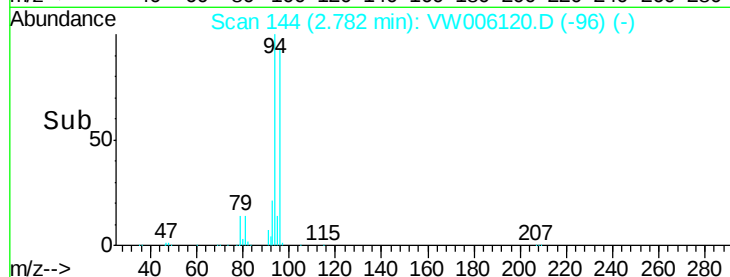
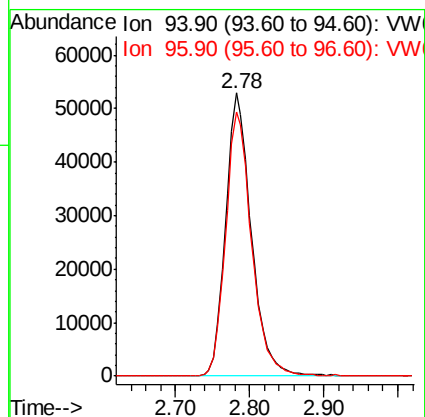
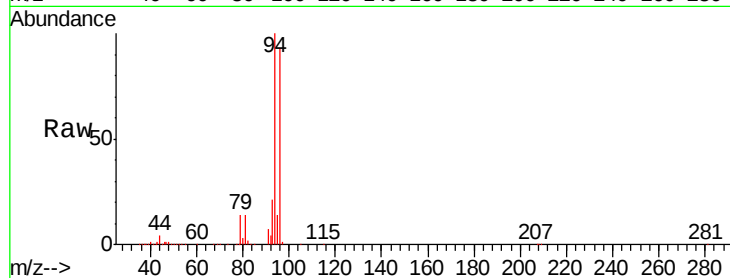
VSTDCCC050

Tgt Ion: 94 Resp: 127516

Ion Ratio Lower Upper

94 100

96 93.0 74.9 112.3



#6

Chloroethane

Concen: 47.16 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006120.D

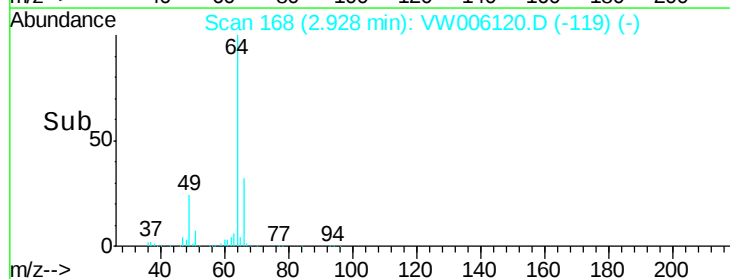
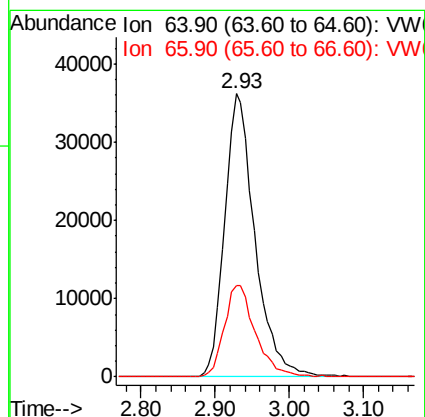
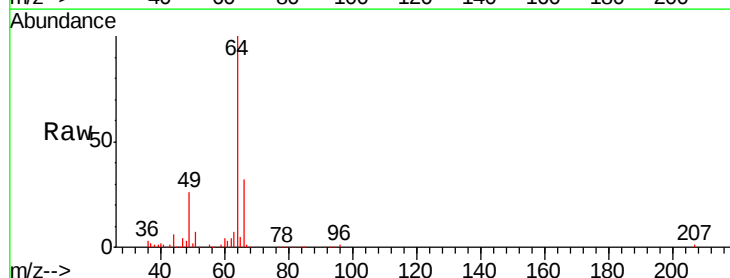
Acq: 17 Oct 2018 12:12

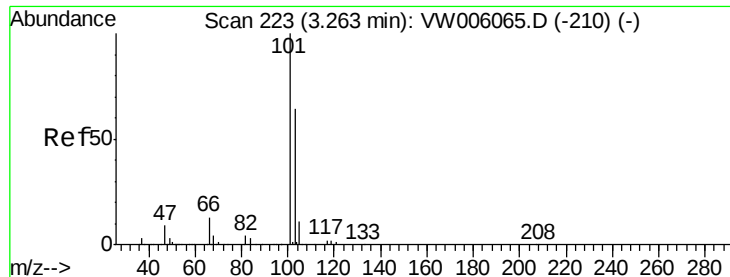
Tgt Ion: 64 Resp: 102873

Ion Ratio Lower Upper

64 100

66 32.1 24.9 37.3





#7

Trichlorofluoromethane

Concen: 51.99 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

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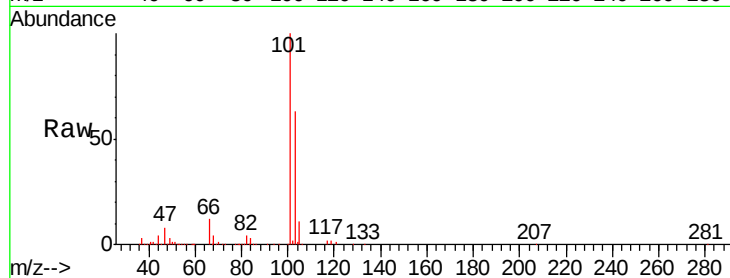
VSTDCCC050

Tgt Ion:101 Resp: 147425

Ion Ratio Lower Upper

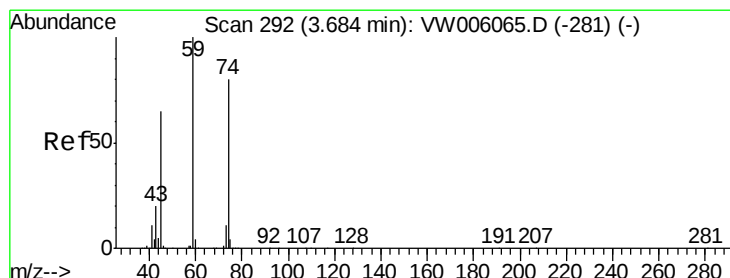
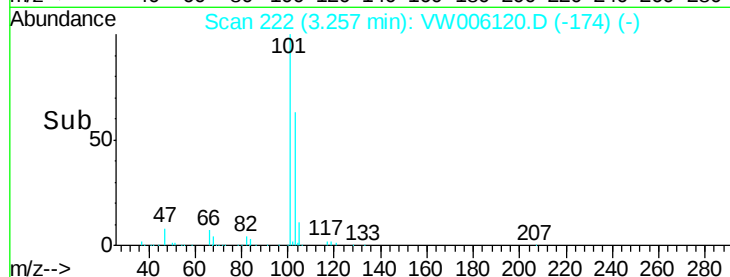
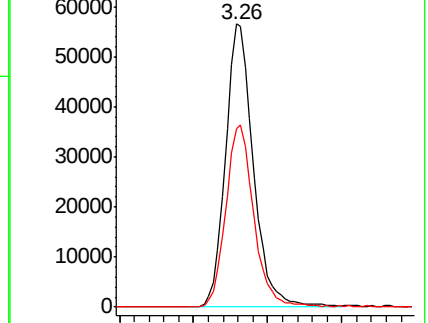
101 100

103 63.2 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: 44.45 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006120.D

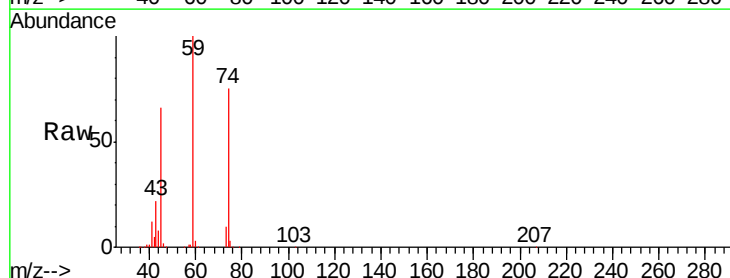
Acq: 17 Oct 2018 12:12

Tgt Ion: 74 Resp: 66995

Ion Ratio Lower Upper

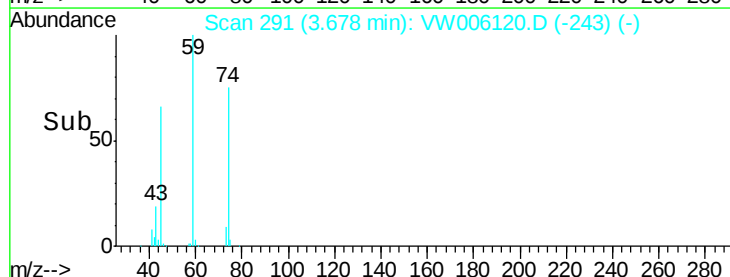
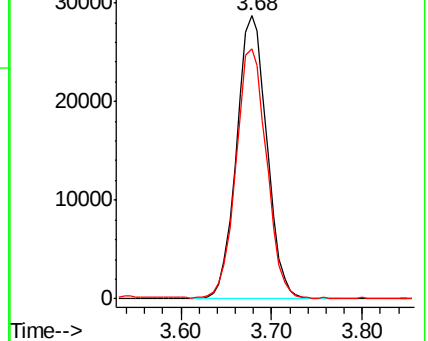
74 100

45 88.2 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: 53.67 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006120.D

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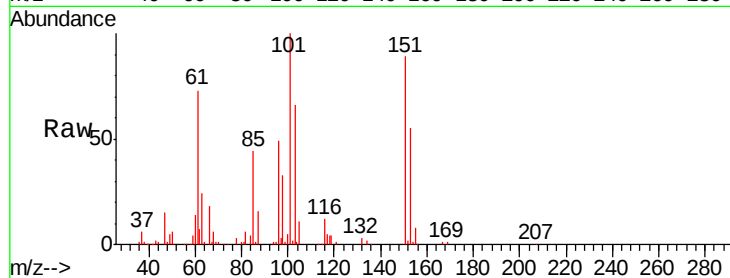
Tgt Ion:101 Resp: 159503

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

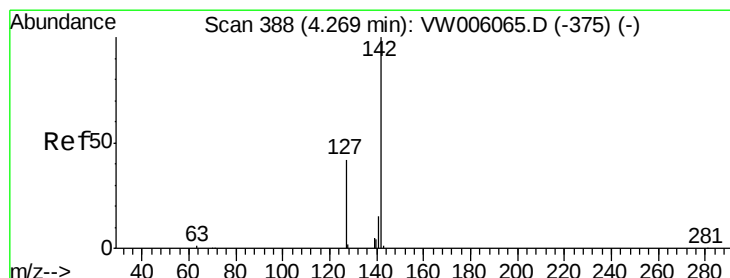
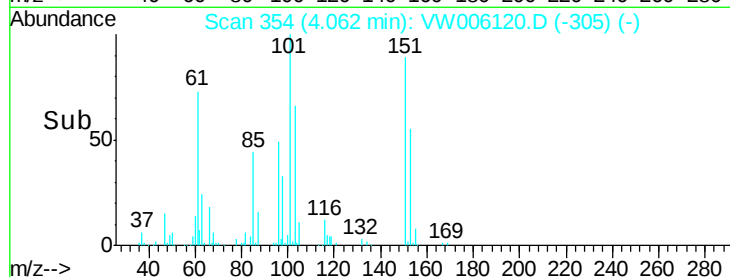
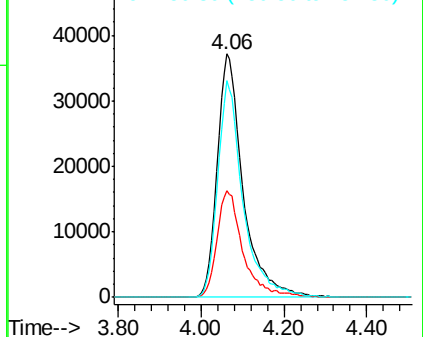
151 87.0 70.4 105.6



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: 53.46 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

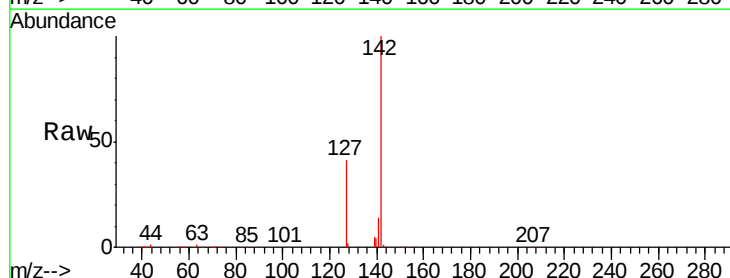
Tgt Ion:142 Resp: 264455

Ion Ratio Lower Upper

142 100

127 42.5 33.6 50.4

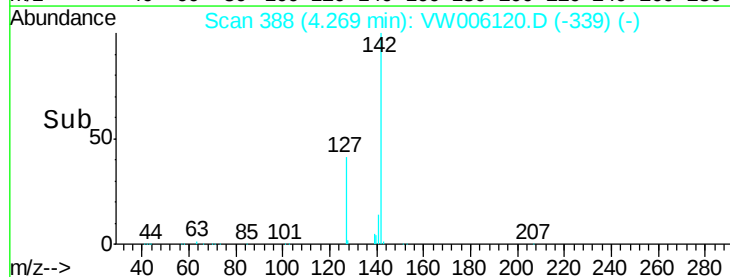
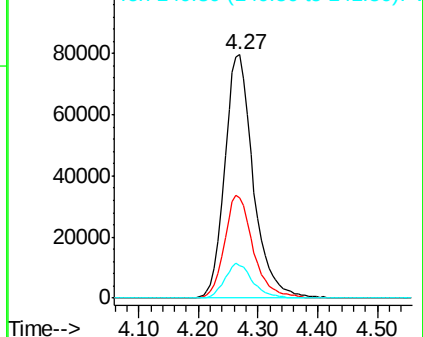
141 14.1 11.6 17.4

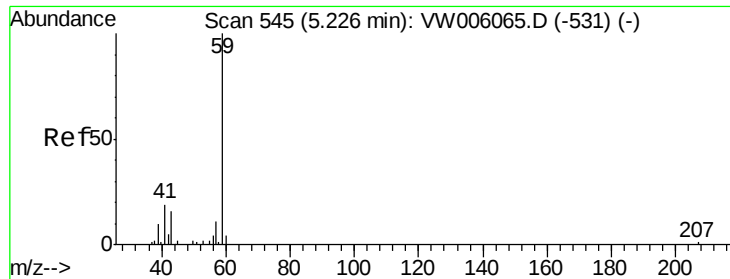


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 243.70 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.06 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

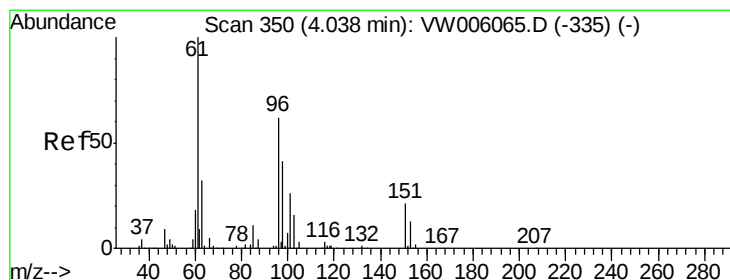
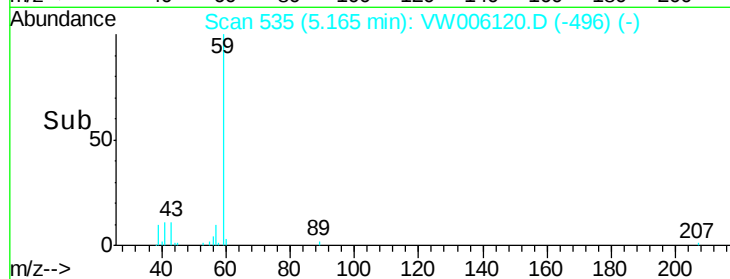
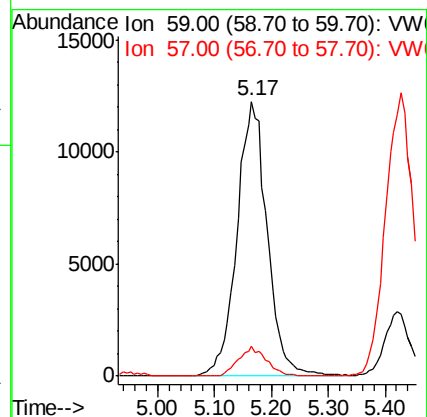
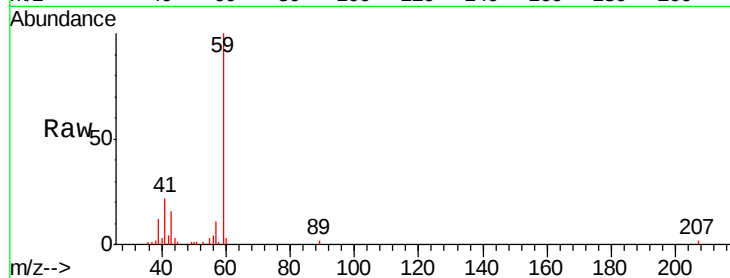
VSTDCCC050

Tgt Ion: 59 Resp: 45470

Ion Ratio Lower Upper

59 100

57 9.9 8.7 13.1



#12

1,1-Dichloroethene

Concen: 53.59 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

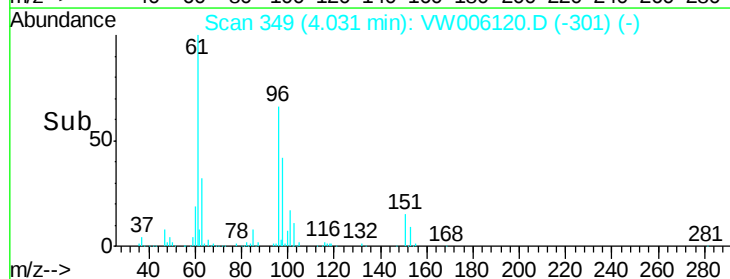
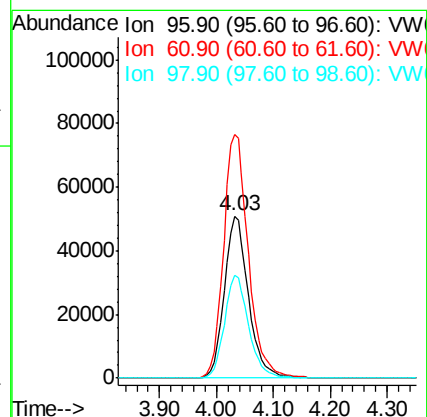
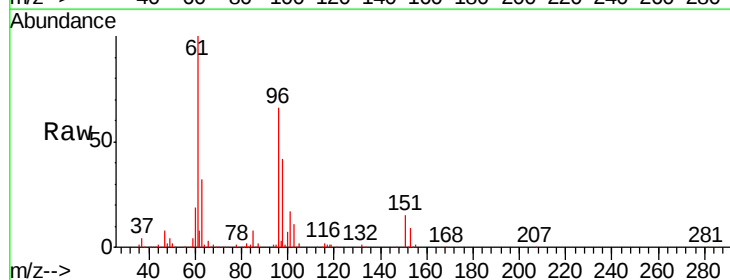
Tgt Ion: 96 Resp: 149841

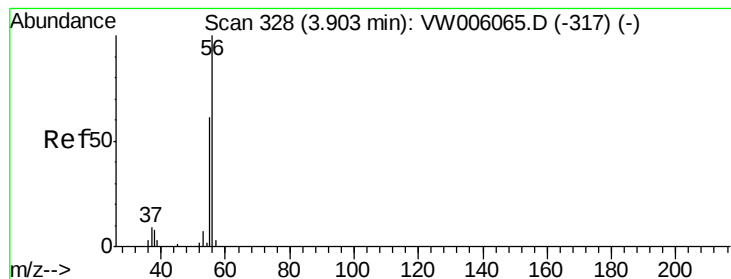
Ion Ratio Lower Upper

96 100

61 150.5 129.3 193.9

98 63.8 53.1 79.7





#13

Acrolein

Concen: 259.36 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

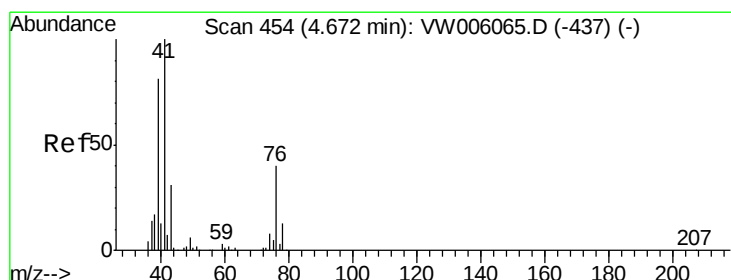
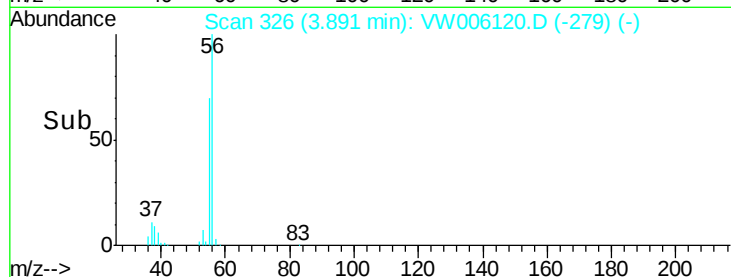
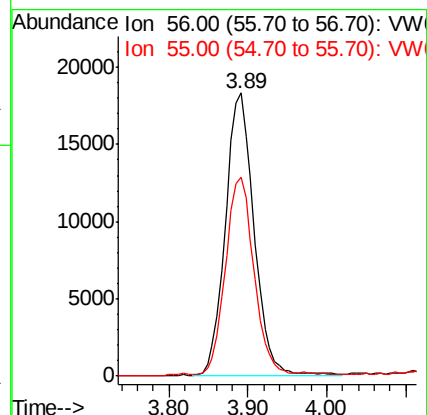
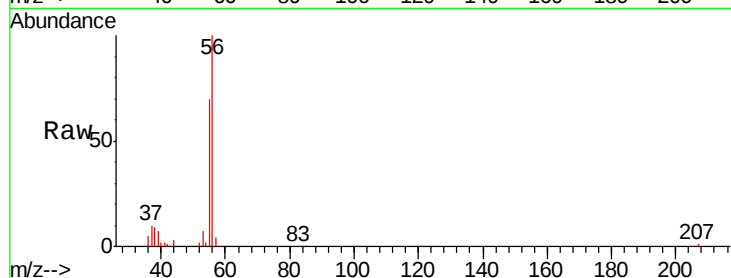
VSTDCCC050

Tgt Ion: 56 Resp: 46827

Ion Ratio Lower Upper

56 100

55 68.4 54.5 81.7



#14

Allyl chloride

Concen: 52.70 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

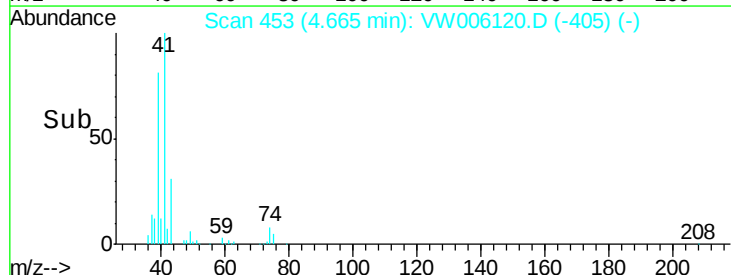
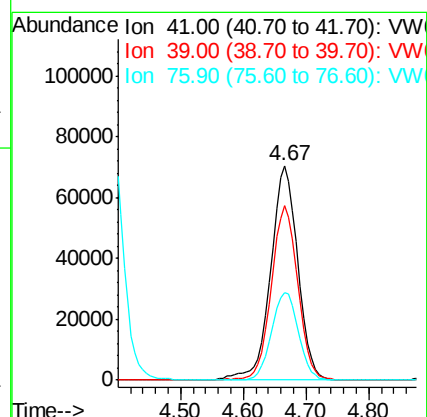
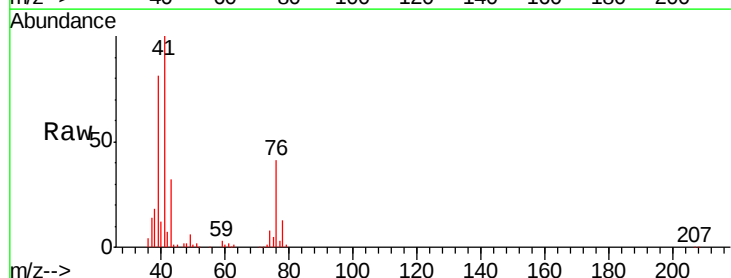
Tgt Ion: 41 Resp: 210680

Ion Ratio Lower Upper

41 100

39 79.6 64.1 96.1

76 40.4 32.2 48.4





#15

Acrylonitrile

Concen: 241.38 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

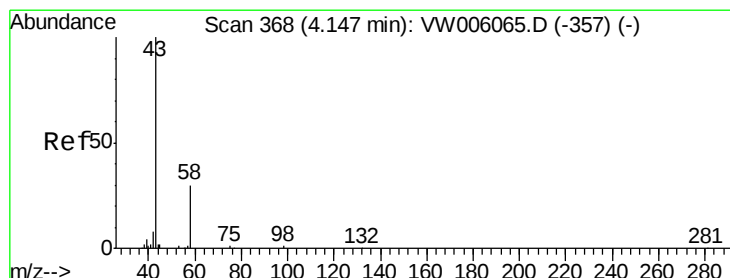
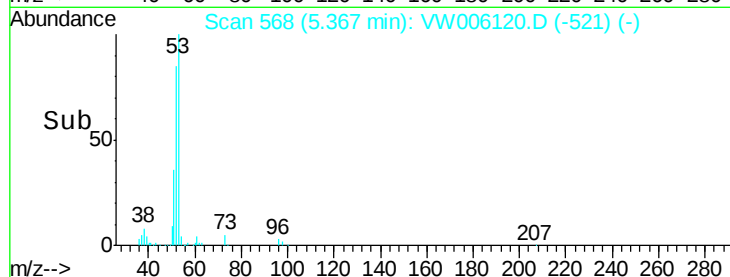
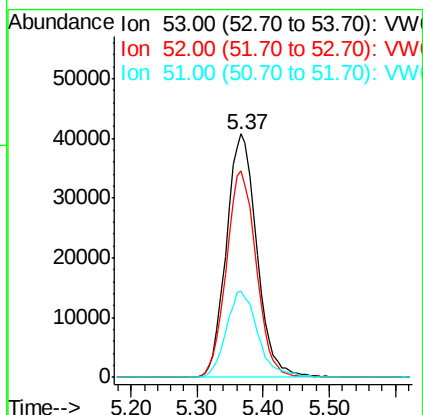
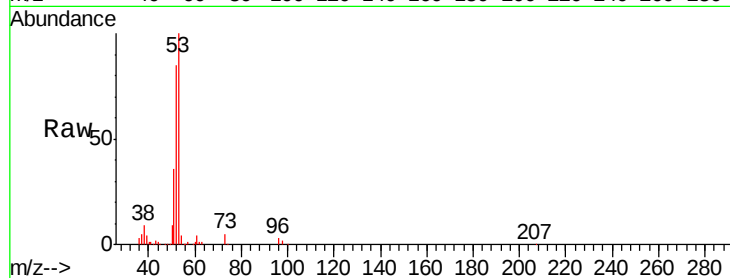
Tgt Ion: 53 Resp: 130481

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

51 36.7 30.1 45.1



#16

Acetone

Concen: 292.56 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW006120.D

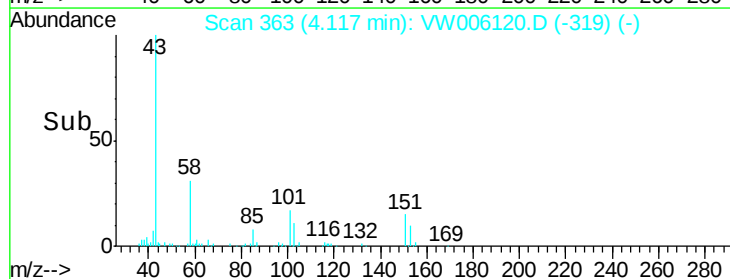
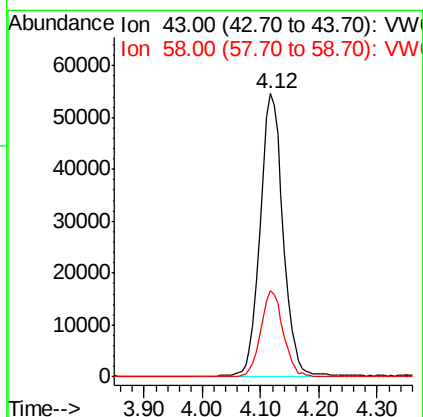
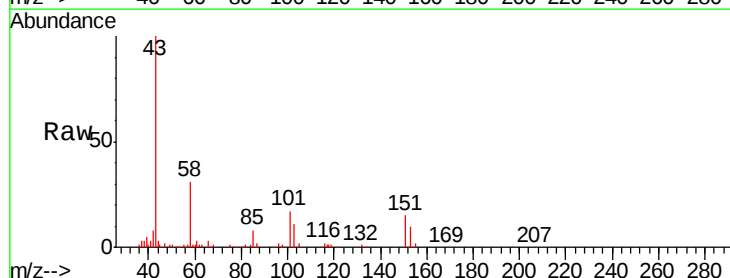
Acq: 17 Oct 2018 12:12

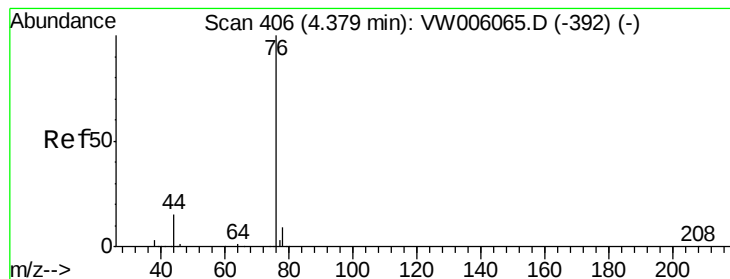
Tgt Ion: 43 Resp: 150958

Ion Ratio Lower Upper

43 100

58 30.7 24.0 36.0





#17

Carbon Disulfide

Concen: 52.18 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

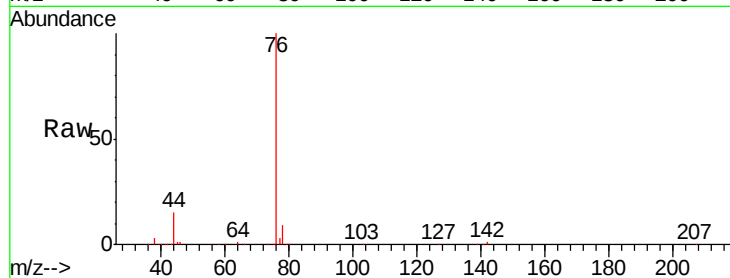
VSTDCCC050

Tgt Ion: 76 Resp: 440353

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

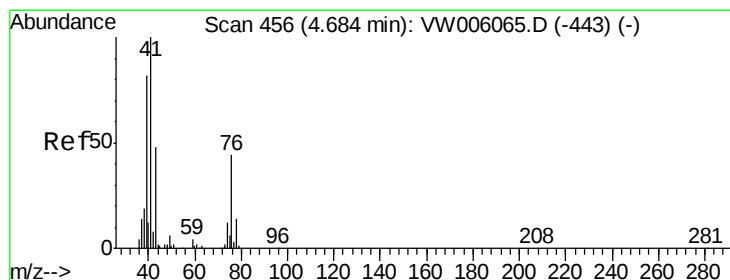
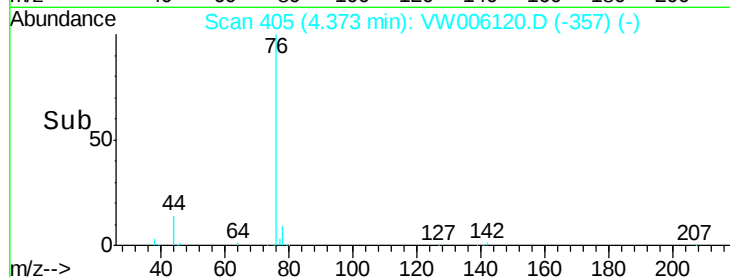
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.42 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.02 min

Lab File: VW006120.D

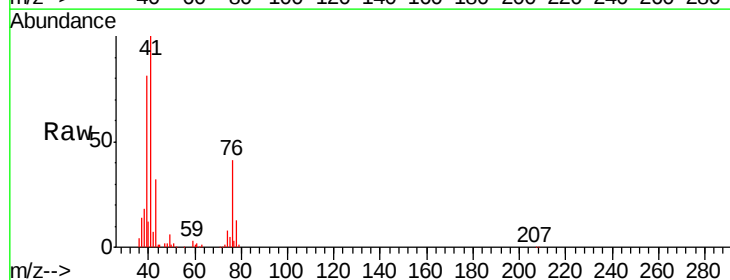
Acq: 17 Oct 2018 12:12

Tgt Ion: 43 Resp: 64804

Ion Ratio Lower Upper

43 100

74 25.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

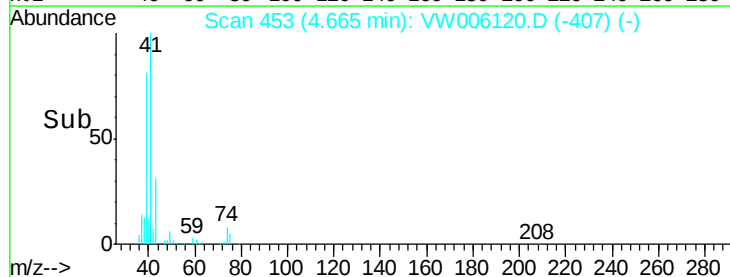
15000

10000

5000

0

Time-->

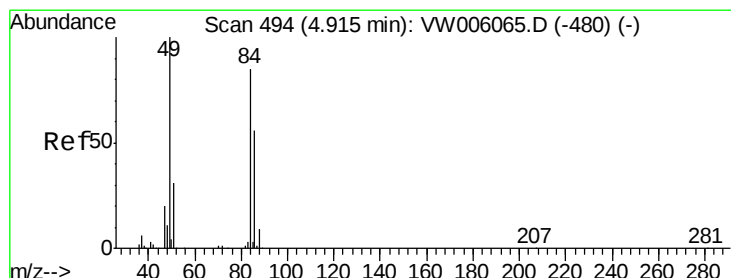
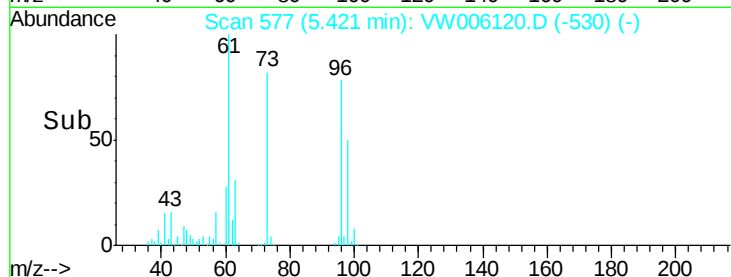
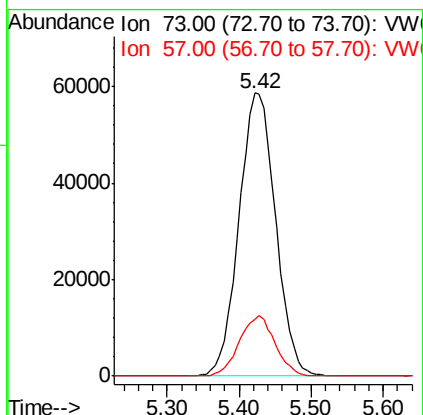
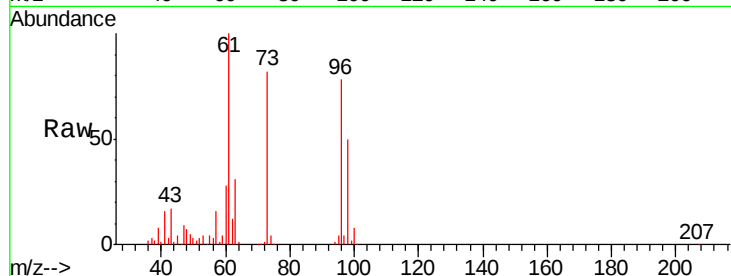




#19
Methyl tert-butyl Ether
Concen: 48.54 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

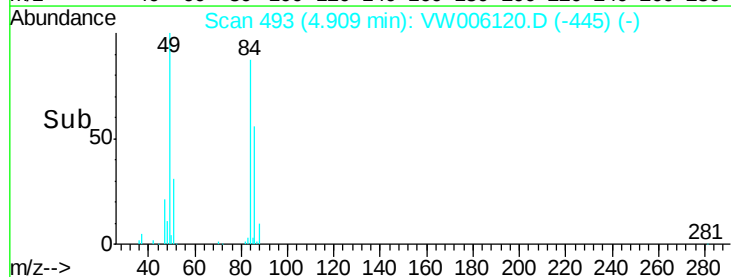
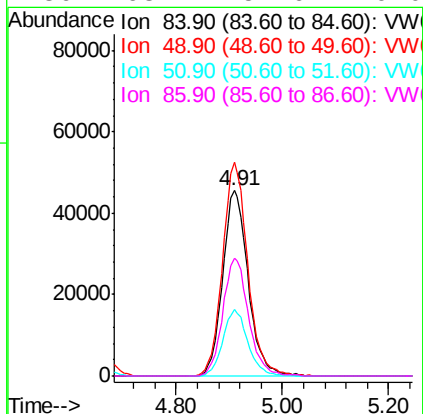
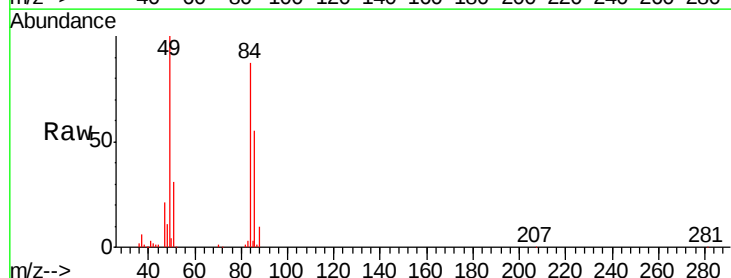
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

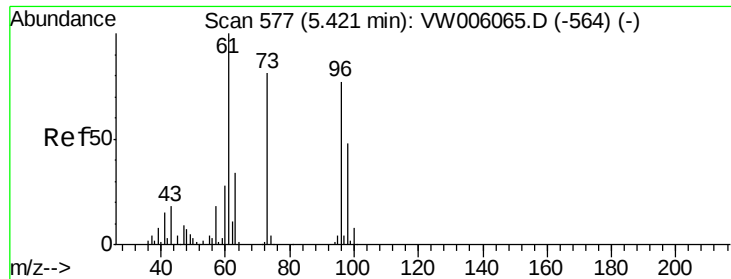
Tgt Ion: 73 Resp: 206692
Ion Ratio Lower Upper
73 100
57 19.9 17.4 26.2



#20
Methylene Chloride
Concen: 51.96 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion: 84 Resp: 152354
Ion Ratio Lower Upper
84 100
49 115.3 93.6 140.4
51 35.8 29.0 43.4
86 63.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.71 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

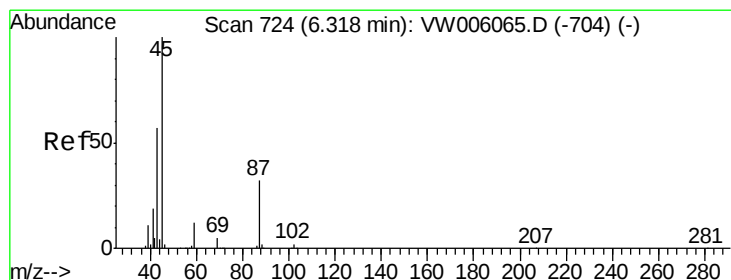
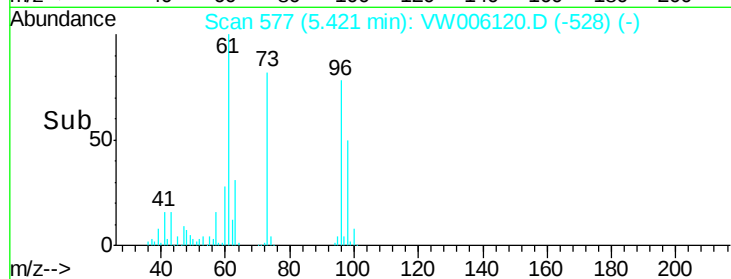
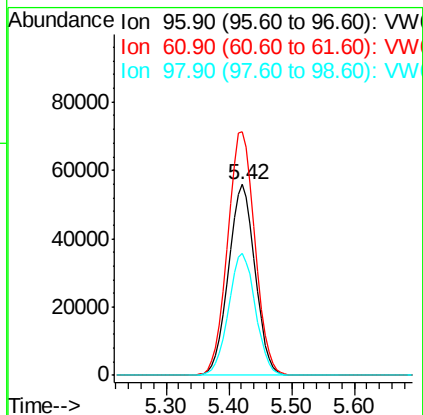
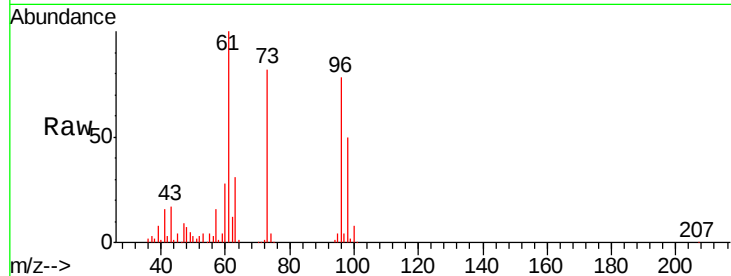
Tgt Ion: 96 Resp: 164490

Ion Ratio Lower Upper

96 100

61 127.5 104.5 156.7

98 64.1 50.6 75.8



#22

Diisopropyl ether

Concen: 51.04 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Tgt Ion: 45 Resp: 403253

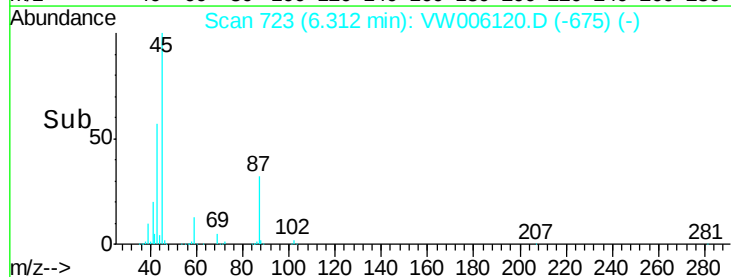
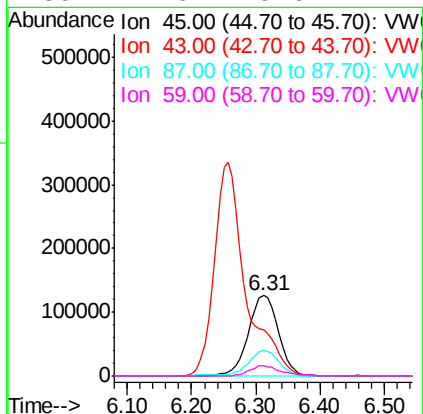
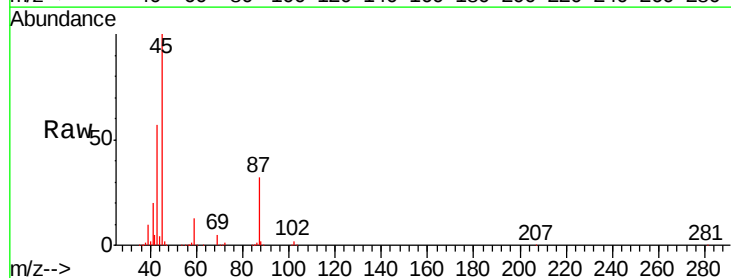
Ion Ratio Lower Upper

45 100

43 56.7 45.7 68.5

87 31.7 25.9 38.9

59 12.6 9.6 14.4





#23

Vinyl Acetate

Concen: 244.03 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

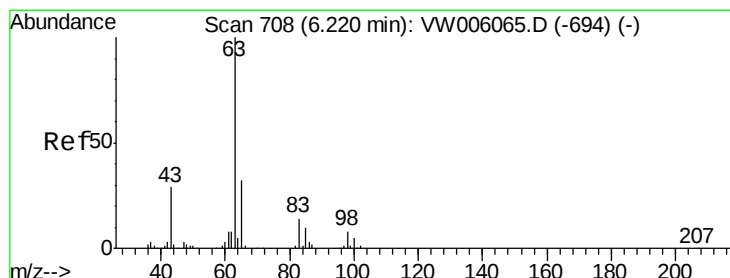
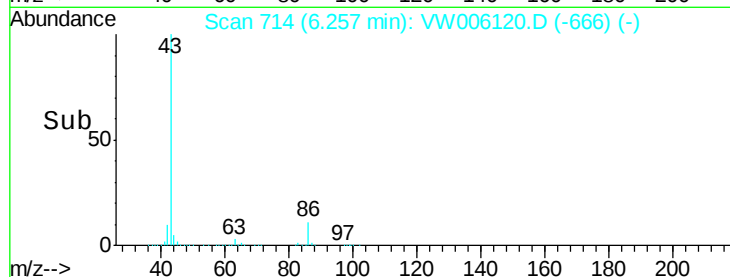
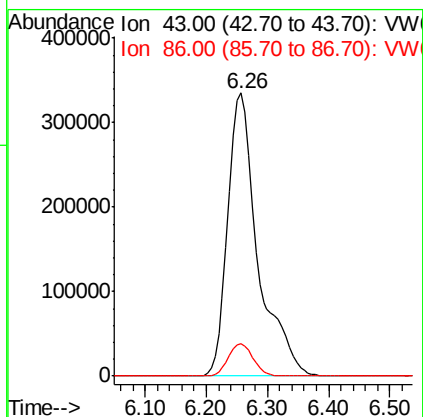
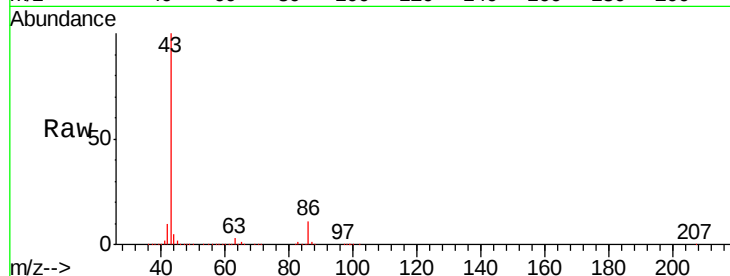
VSTDCCC050

Tgt Ion: 43 Resp: 1137787

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.6



#24

1,1-Dichloroethane

Concen: 52.65 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

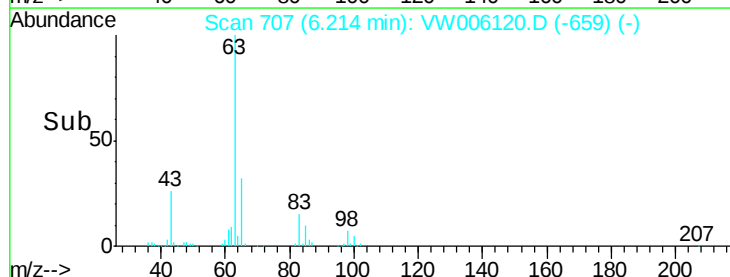
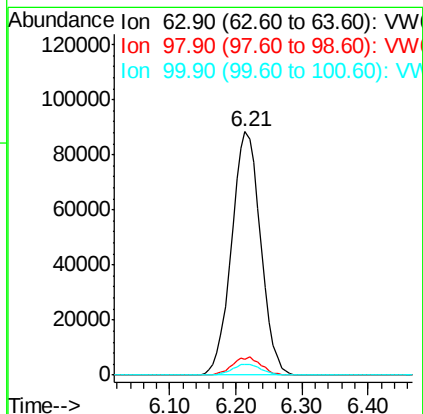
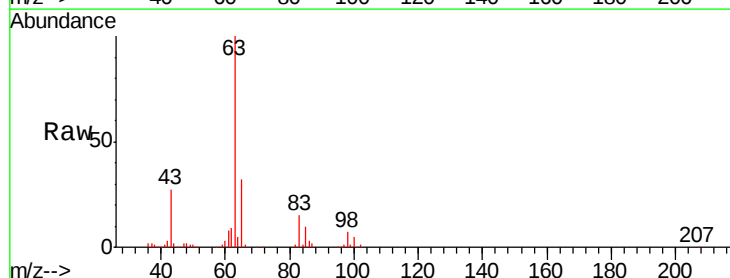
Tgt Ion: 63 Resp: 268419

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 245.11 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

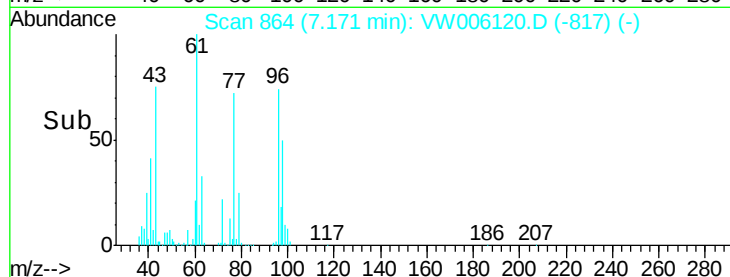
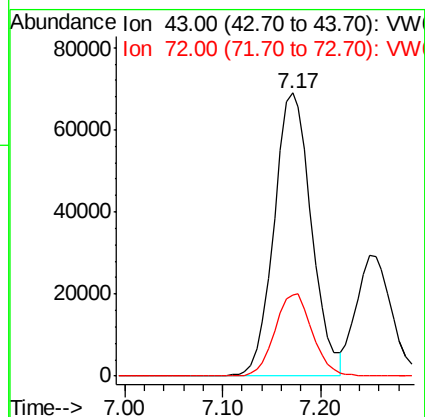
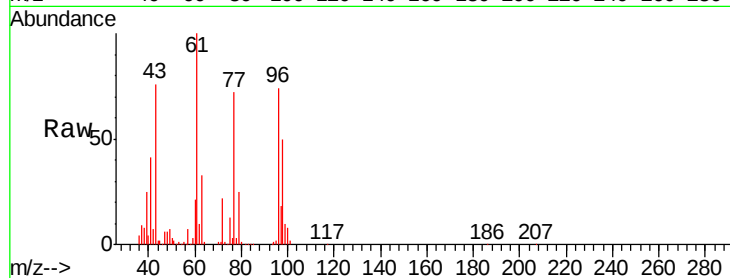
VSTDCCC050

Tgt Ion: 43 Resp: 183701

Ion Ratio Lower Upper

43 100

72 28.8 22.8 34.2



#26

2,2-Dichloropropane

Concen: 53.81 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006120.D

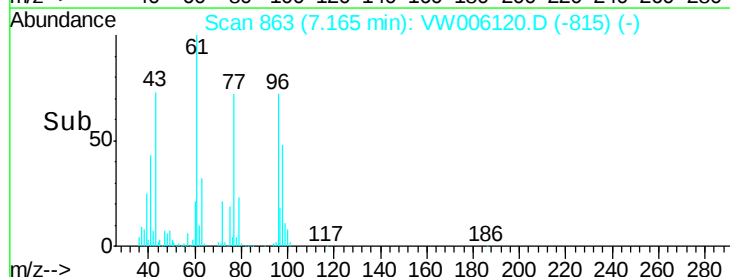
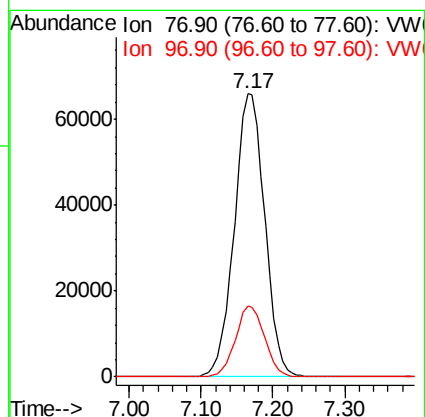
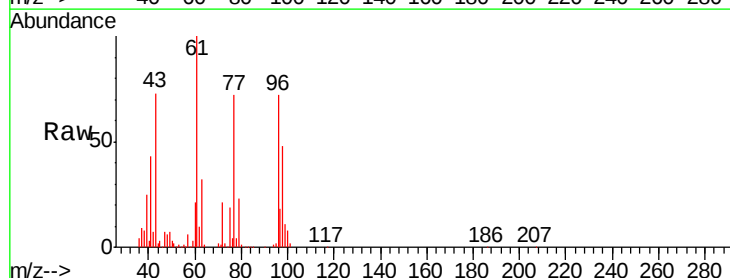
Acq: 17 Oct 2018 12:12

Tgt Ion: 77 Resp: 193464

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 51.84 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

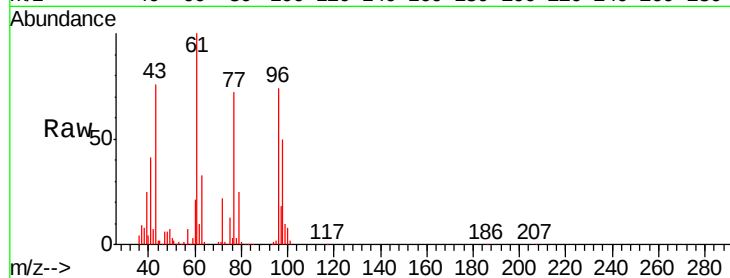
Tgt Ion: 96 Resp: 178543

Ion Ratio Lower Upper

96 100

61 137.8 0.0 267.2

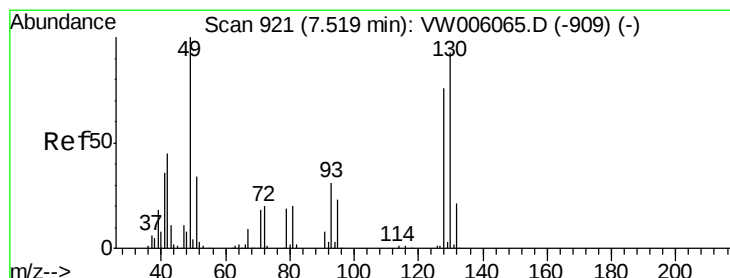
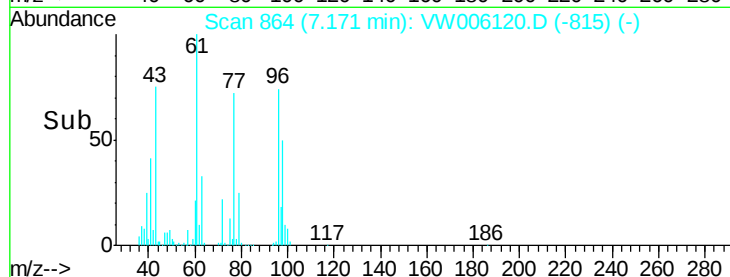
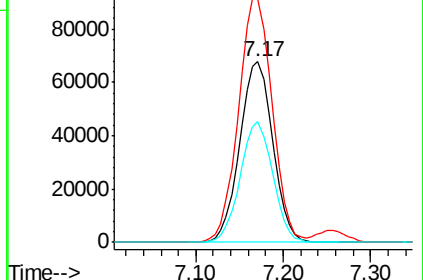
98 65.7 0.0 128.6



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: 49.15 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

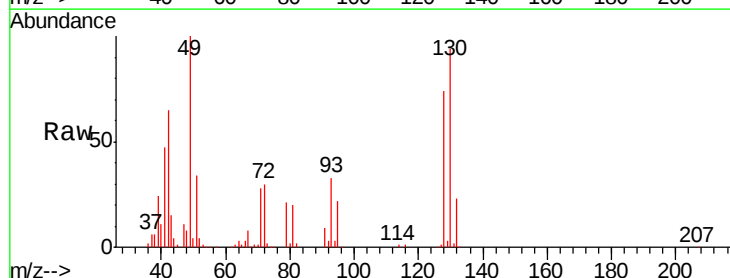
Tgt Ion: 49 Resp: 96738

Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

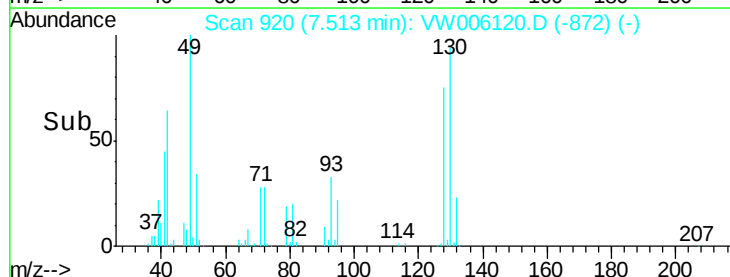
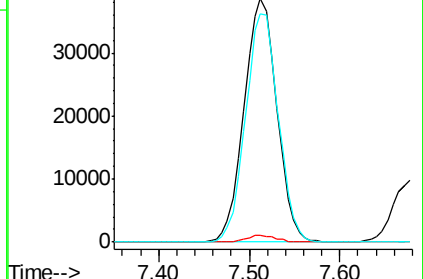
130 93.8 73.8 110.8

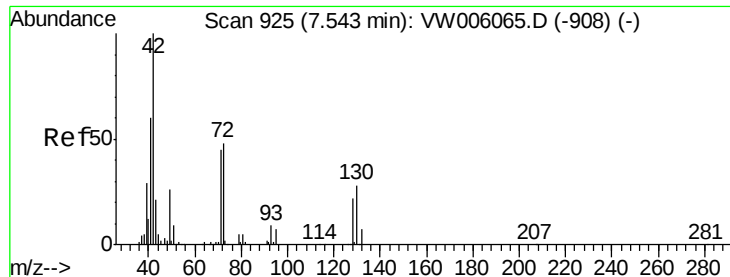


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.57 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

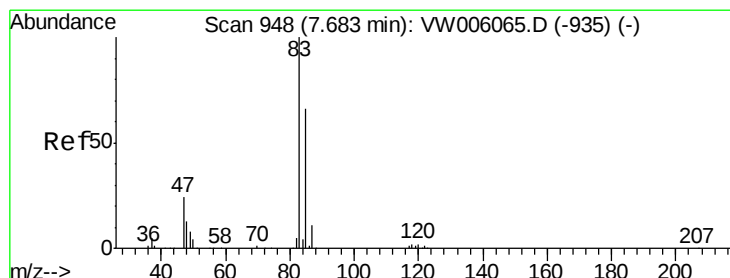
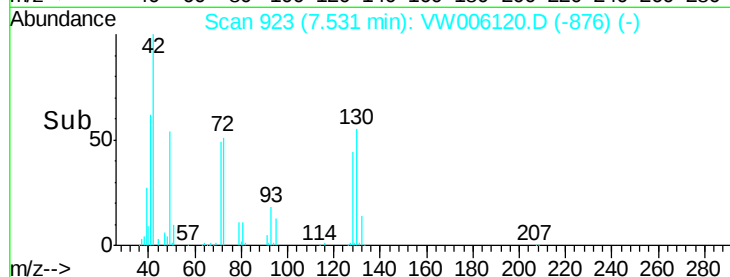
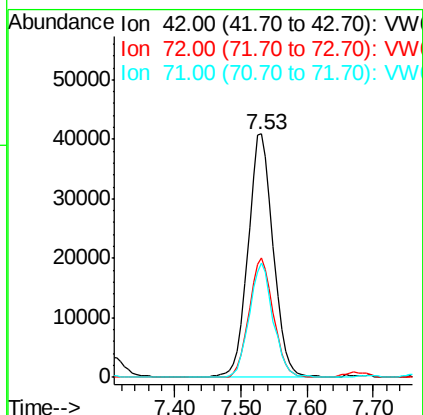
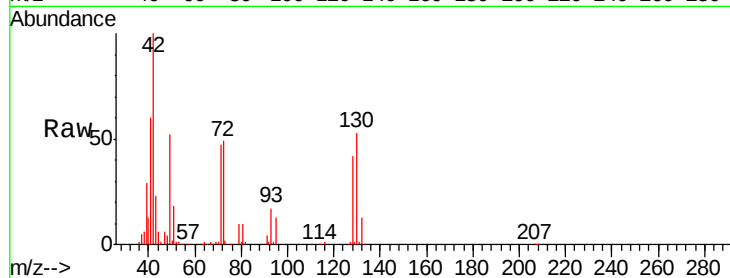
Tgt Ion: 42 Resp: 108526

Ion Ratio Lower Upper

42 100

72 47.1 38.0 57.0

71 44.4 35.3 52.9



#30

Chloroform

Concen: 52.36 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006120.D

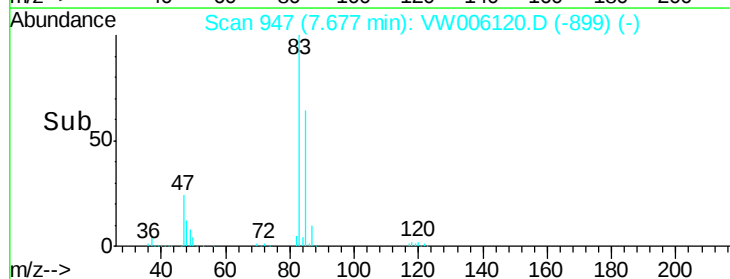
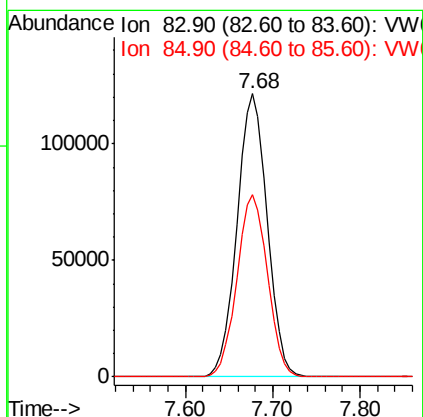
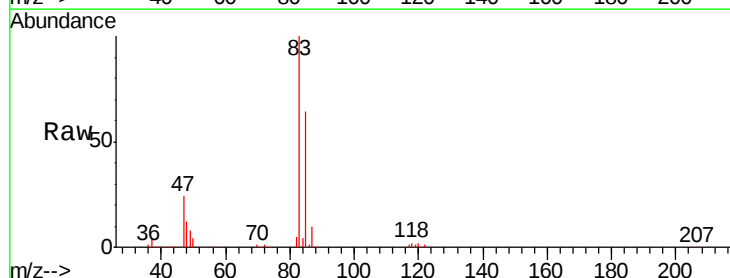
Acq: 17 Oct 2018 12:12

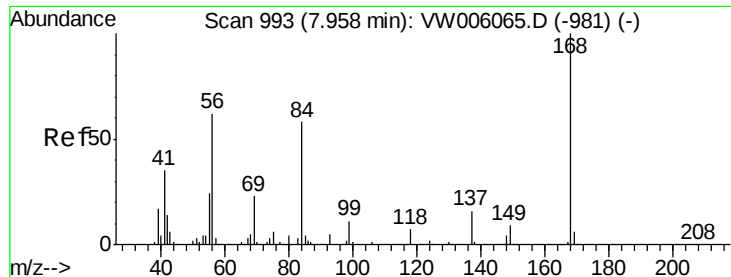
Tgt Ion: 83 Resp: 290800

Ion Ratio Lower Upper

83 100

85 64.4 52.6 79.0

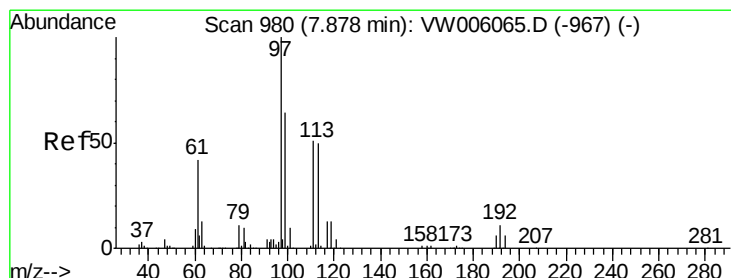
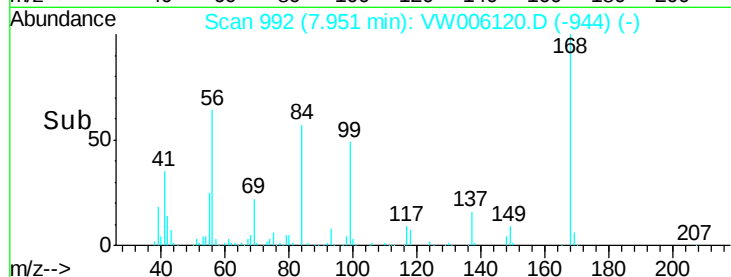
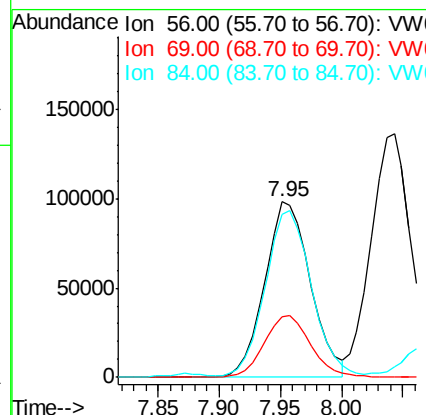
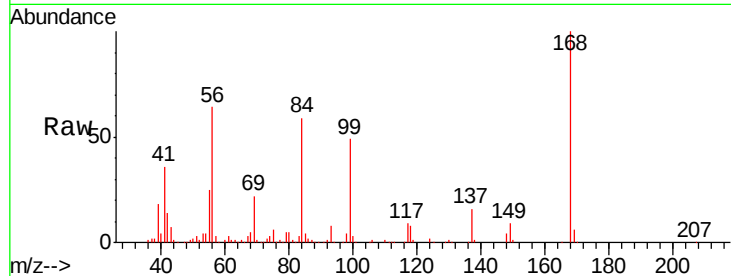




#31
Cyclohexane
Concen: 50.51 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

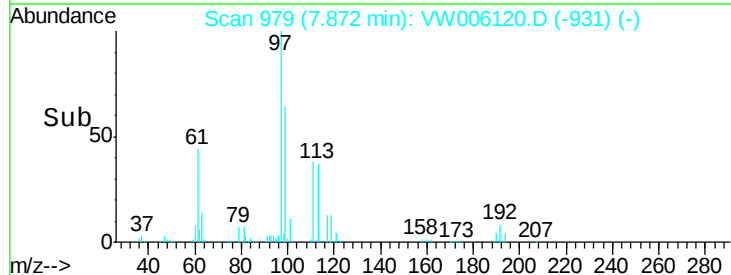
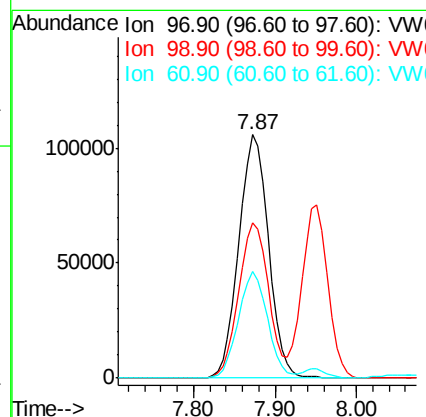
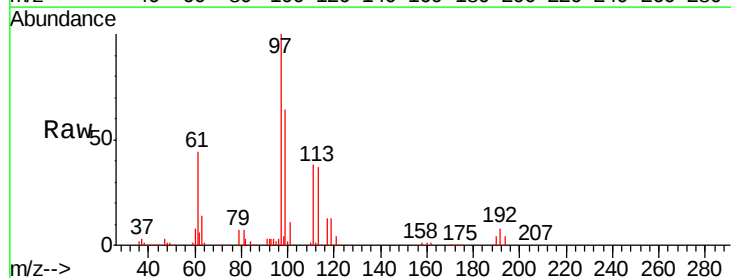
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

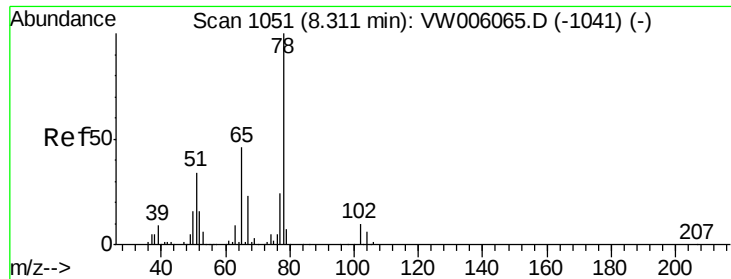
Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.9	29.4	44.0
84	91.0	74.0	111.0



#32
1,1,1-Trichloroethane
Concen: 53.37 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	42.7	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 44.37 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

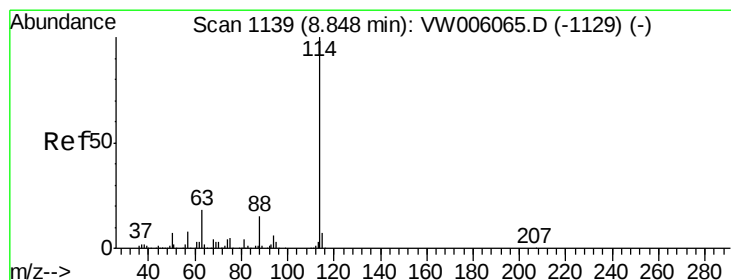
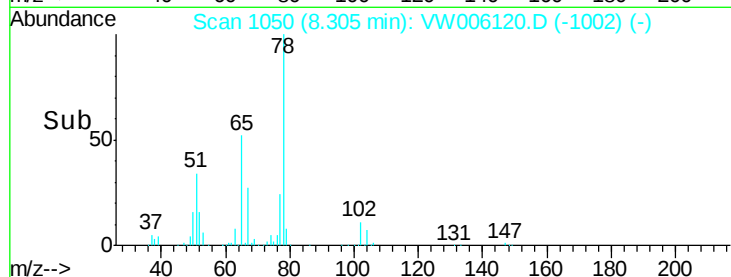
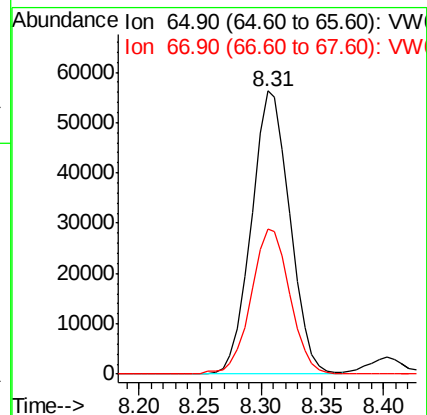
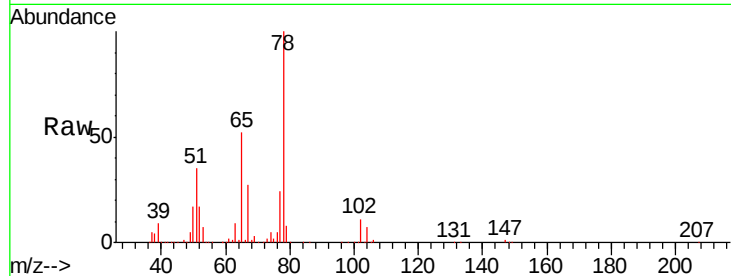
VSTDCCC050

Tgt Ion: 65 Resp: 123107

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

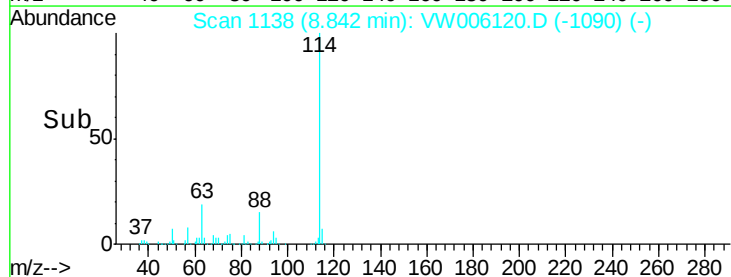
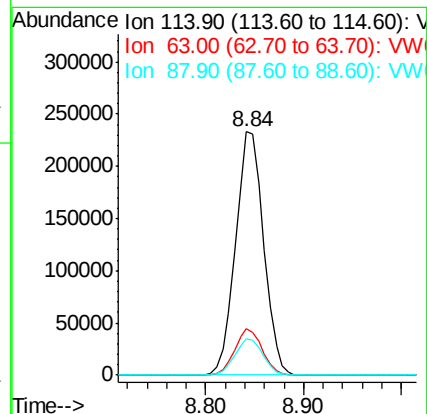
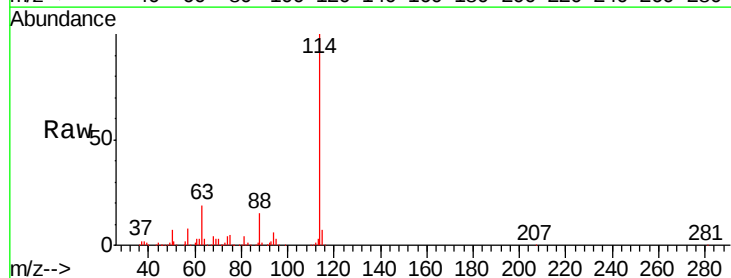
Tgt Ion: 114 Resp: 464133

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 15.0 0.0 29.0

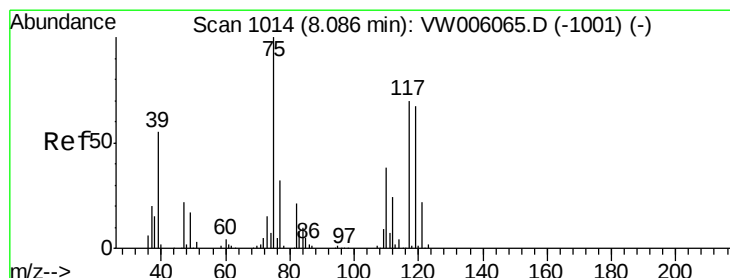
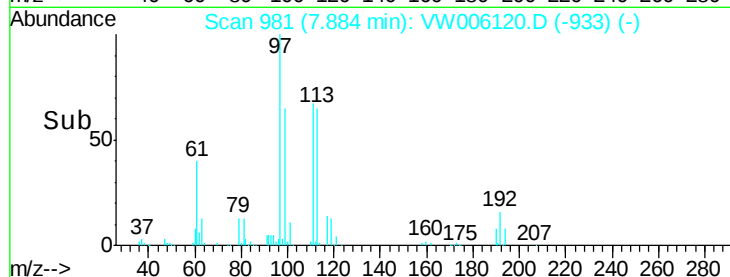
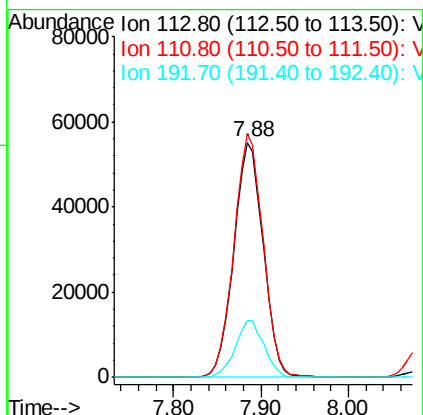
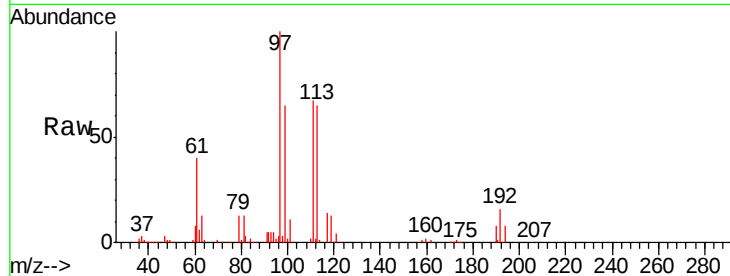




#35
 Dibromofluoromethane
 Concen: 46.99 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

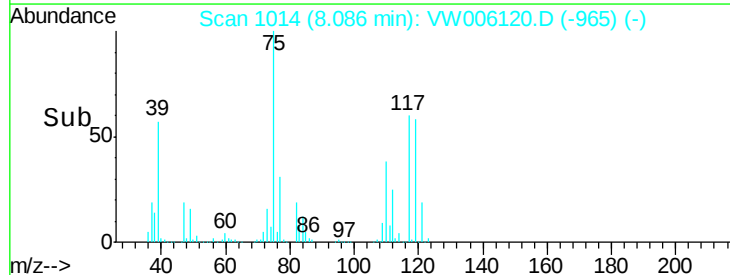
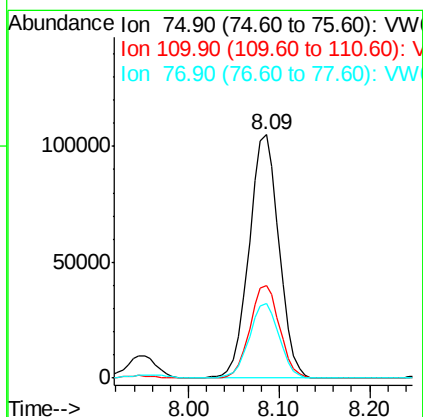
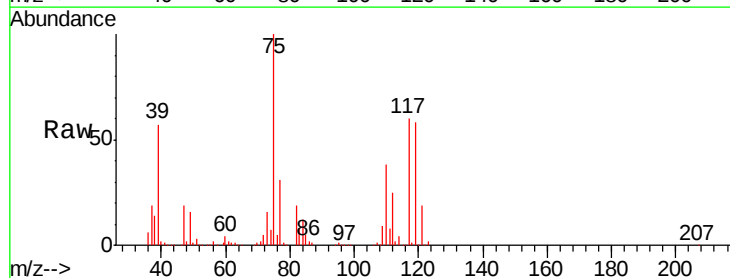
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

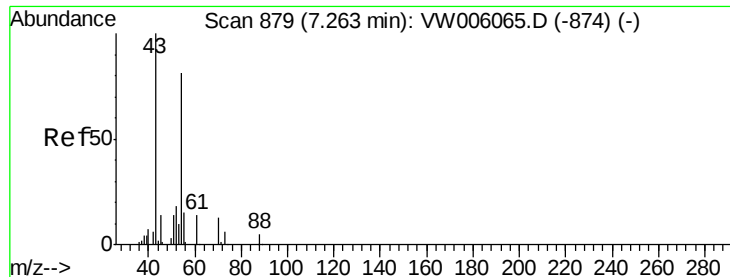
Tgt Ion: 113 Resp: 128882
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.0
 192 23.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 55.85 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 75 Resp: 238923
 Ion Ratio Lower Upper
 75 100
 110 37.7 19.1 57.1
 77 31.0 25.0 37.4

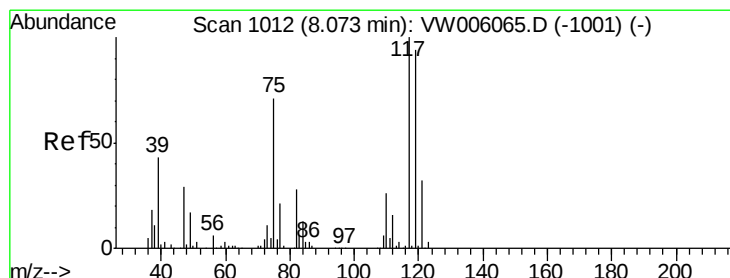
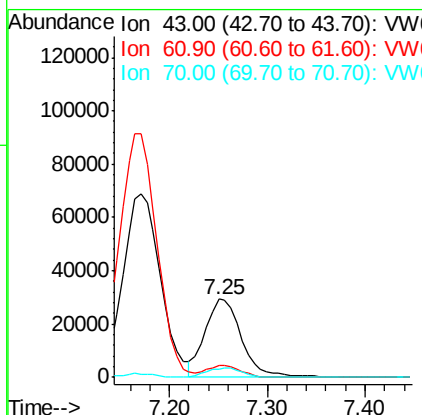
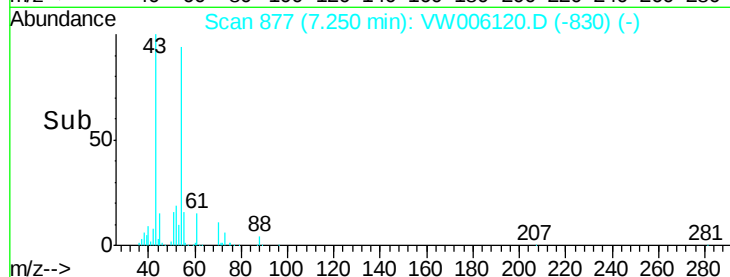
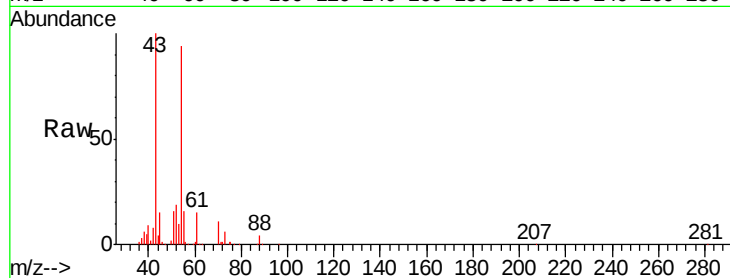




#37
Ethyl Acetate
Concen: 47.12 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

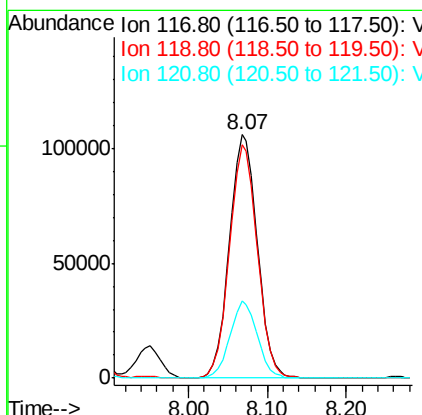
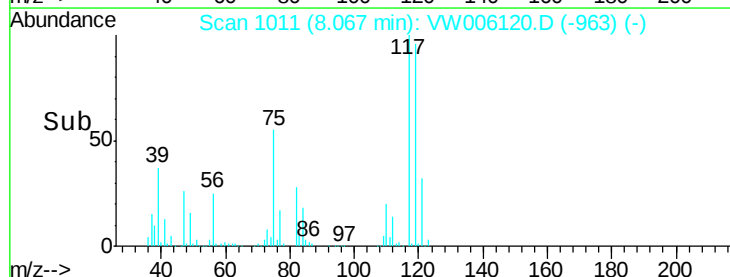
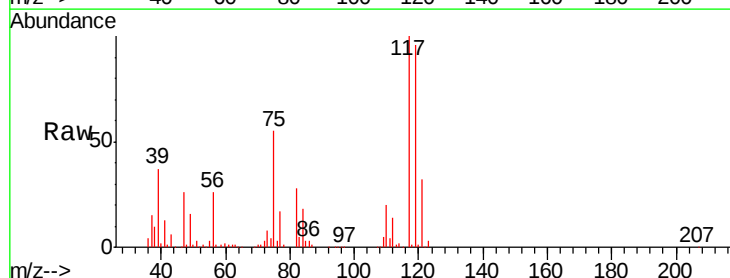
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

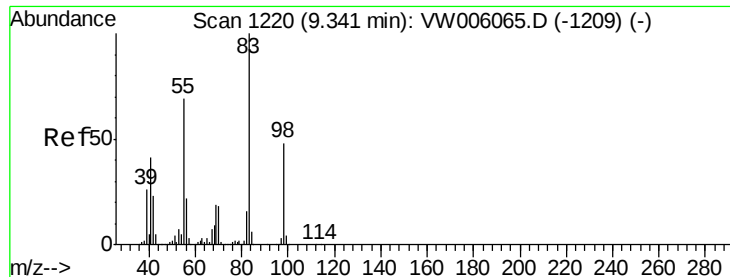
Tgt Ion: 43 Resp: 74899
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 55.64 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion: 117 Resp: 260944
Ion Ratio Lower Upper
117 100
119 96.0 75.2 112.8
121 31.5 25.3 37.9

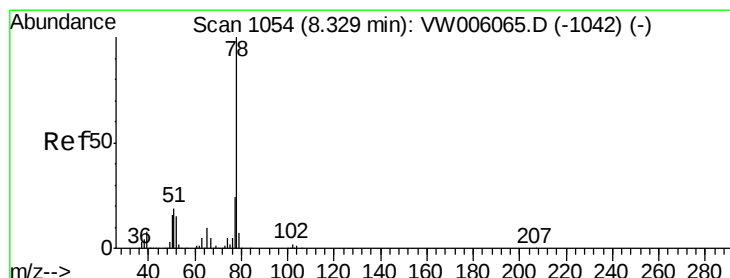
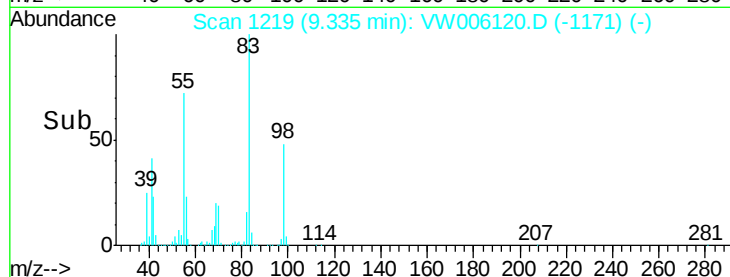
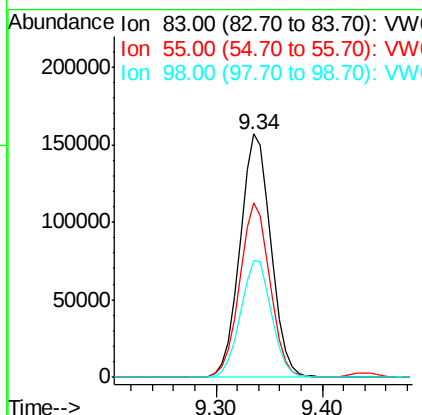
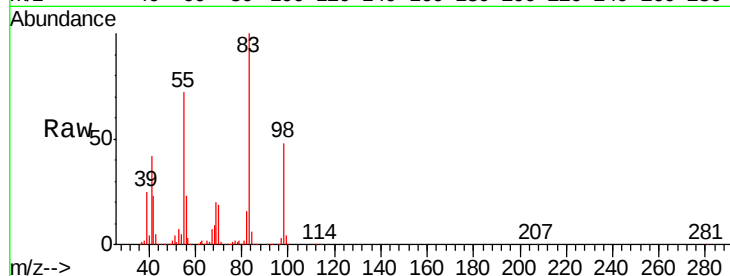




#39
Methylcyclohexane
Concen: 56.14 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

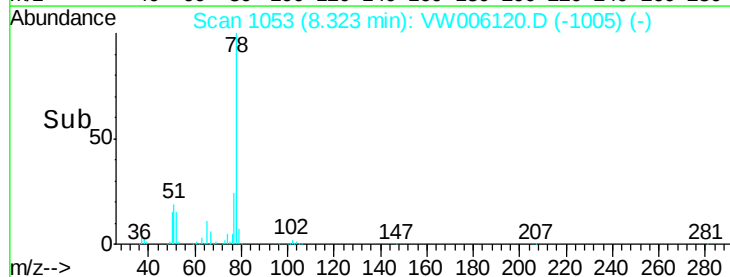
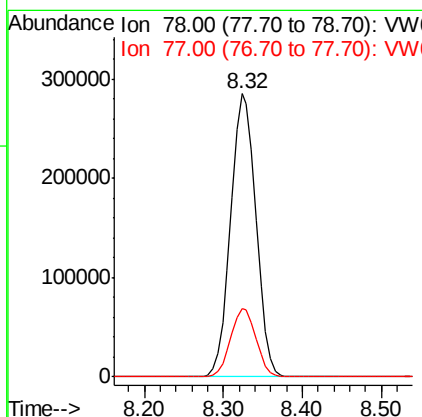
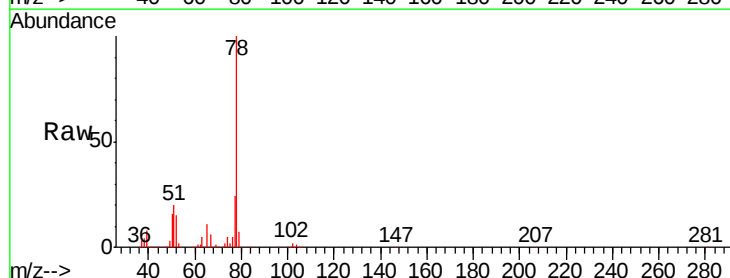
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

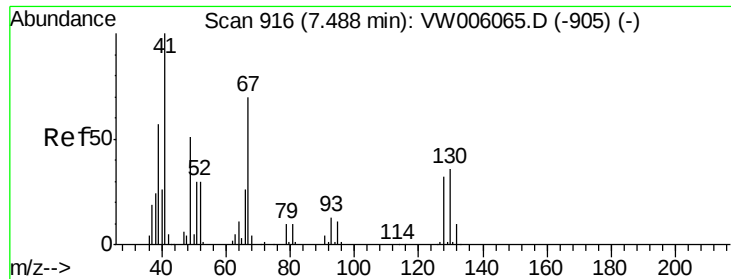
Tgt Ion: 83 Resp: 319240
Ion Ratio Lower Upper
83 100
55 71.9 55.0 82.6
98 48.2 38.6 57.8



#40
Benzene
Concen: 54.18 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion: 78 Resp: 635803
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

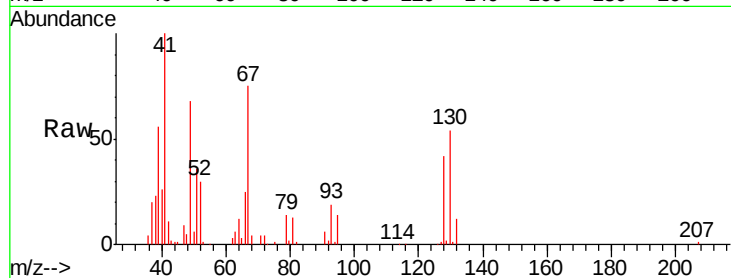




#41
Methacrylonitrile
Concen: 52.09 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	49916
Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.2	69.4
67	69.8	57.7	86.5
52	30.0	24.7	37.1



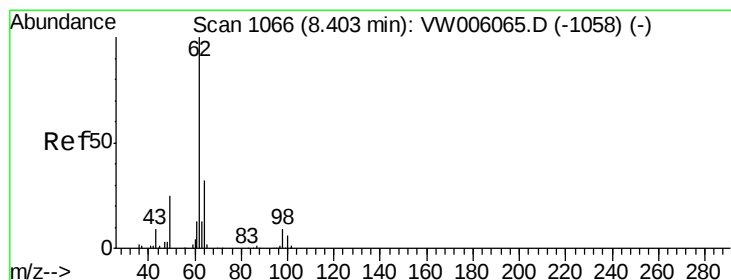
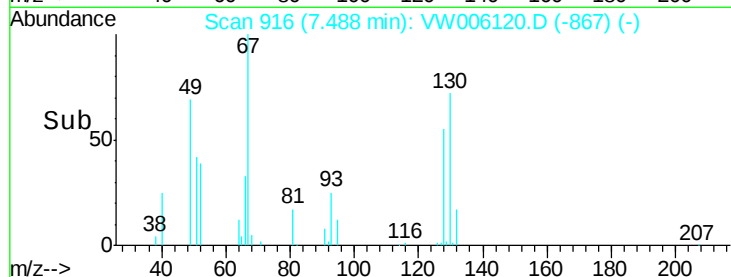
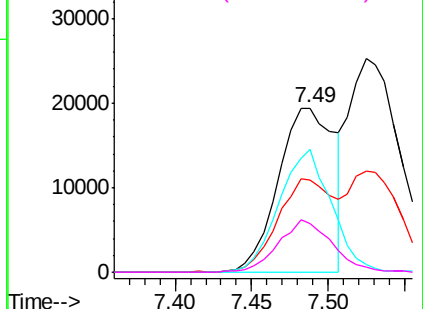
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

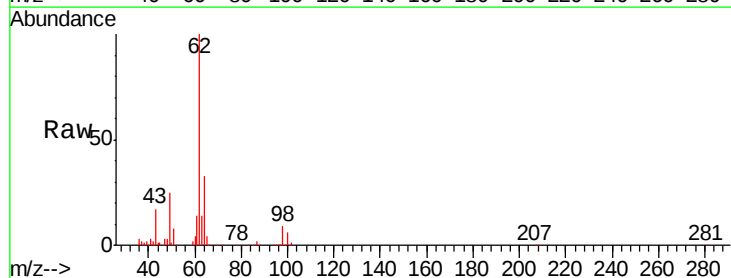
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 52.26 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

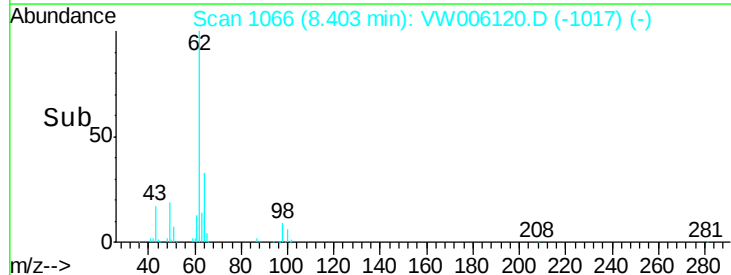
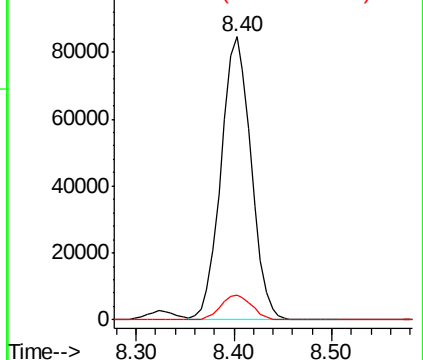
Tgt Ion:	62	Resp:	180160
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

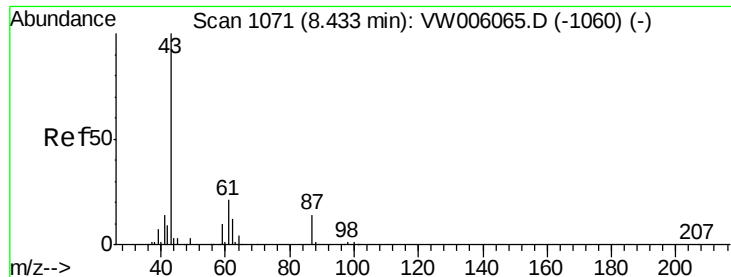


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.39 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

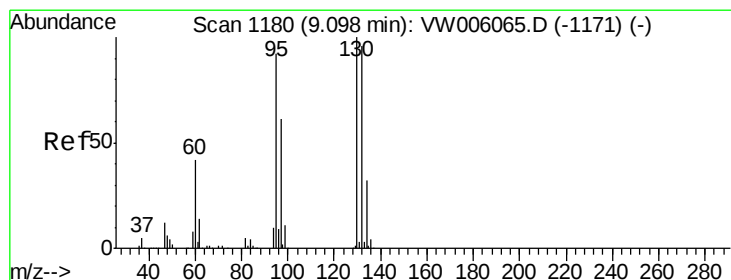
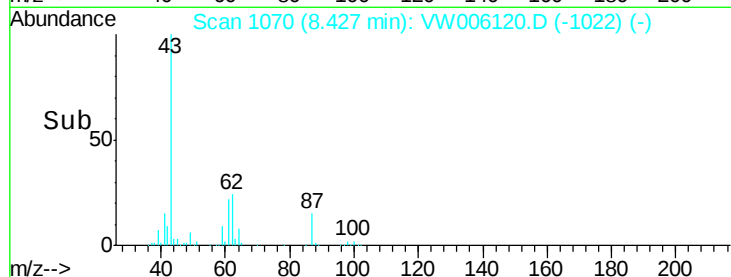
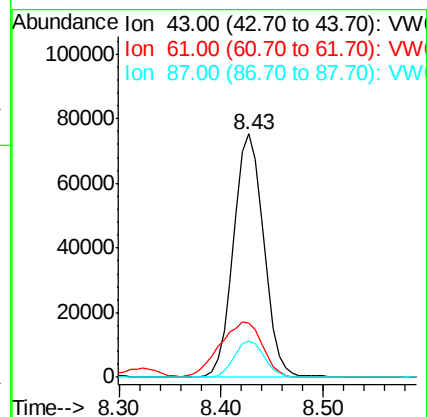
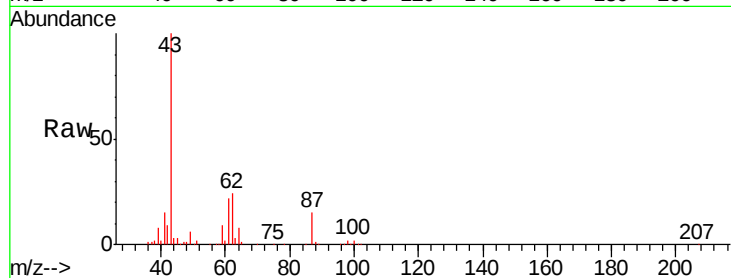
Tgt Ion: 43 Resp: 153994

Ion Ratio Lower Upper

43 100

61 32.4 25.5 38.3

87 15.0 11.7 17.5



#44

Trichloroethene

Concen: 55.48 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006120.D

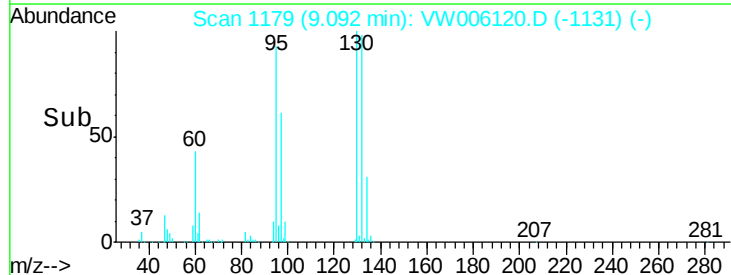
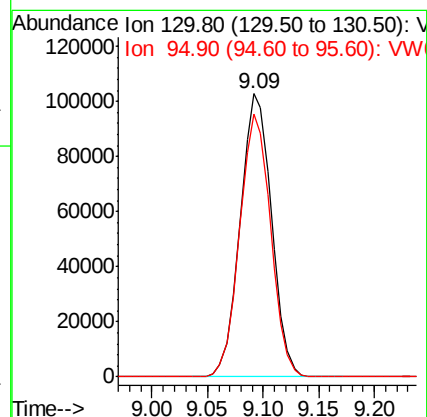
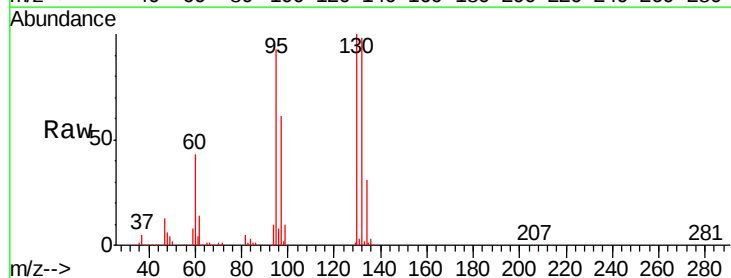
Acq: 17 Oct 2018 12:12

Tgt Ion: 130 Resp: 199754

Ion Ratio Lower Upper

130 100

95 92.8 0.0 183.2

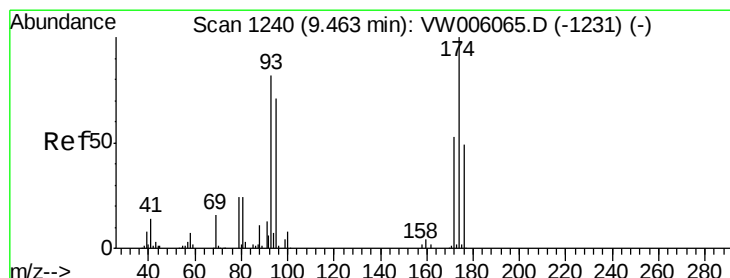
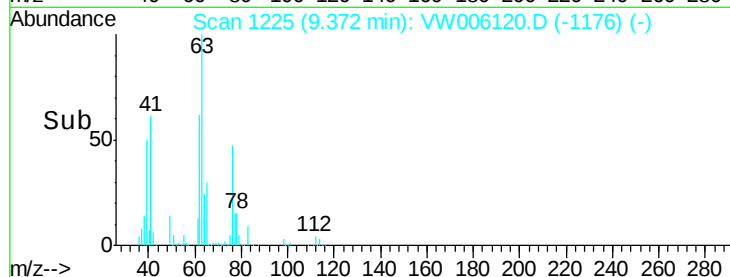
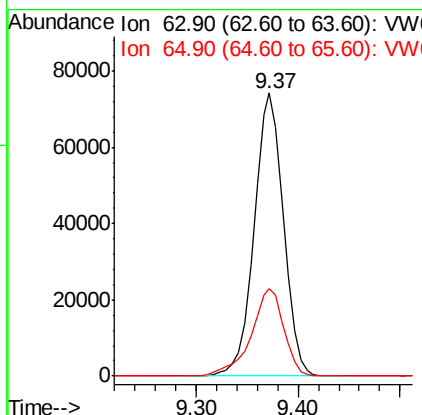
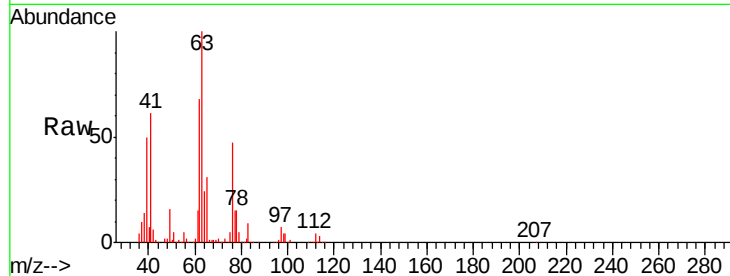




#45
 1,2-Dichloropropane
 Concen: 52.84 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

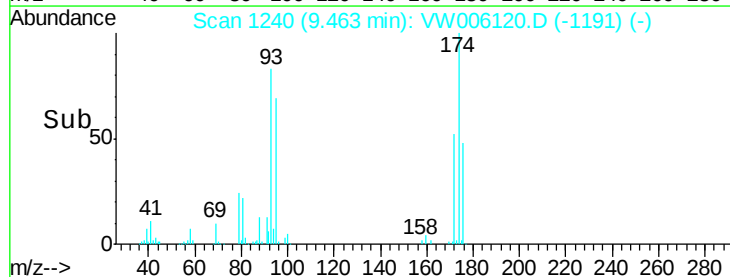
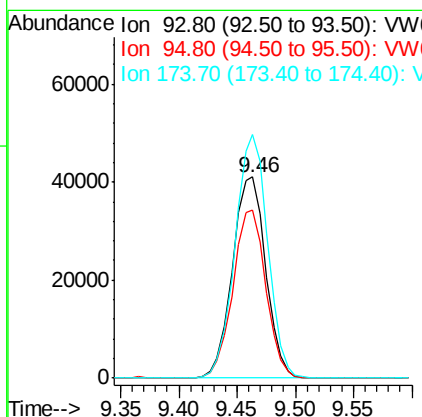
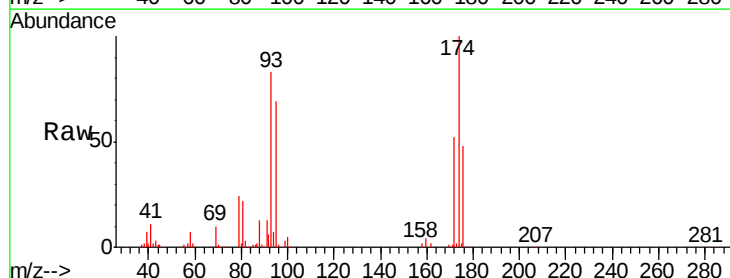
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

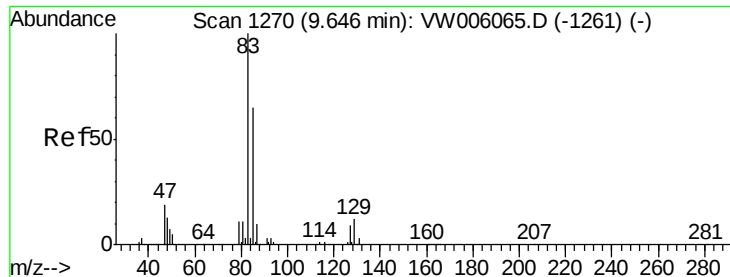
Tgt Ion: 63 Resp: 148369
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0



#46
 Dibromomethane
 Concen: 51.34 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 93 Resp: 82163
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.7 101.5
 174 118.3 93.7 140.5





#47

Bromodichloromethane

Concen: 52.99 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

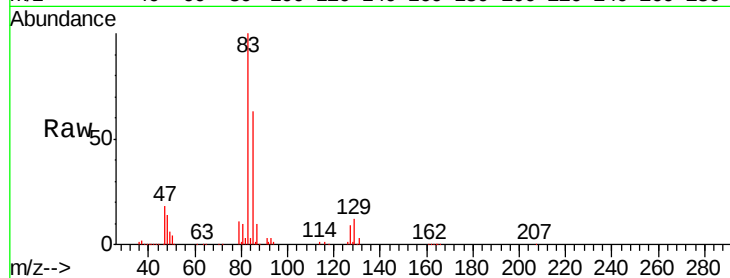
Tgt Ion: 83 Resp: 205628

Ion Ratio Lower Upper

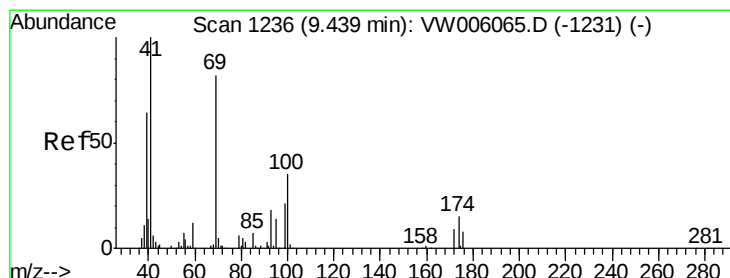
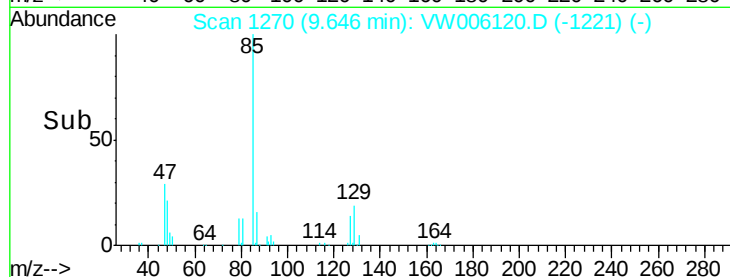
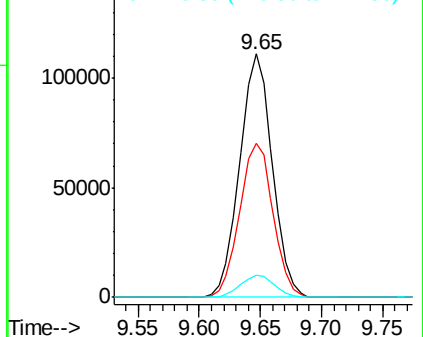
83 100

85 63.0 51.8 77.8

127 9.0 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: 49.85 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

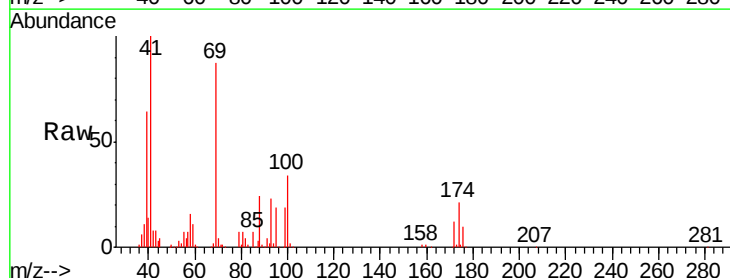
Tgt Ion: 41 Resp: 76793

Ion Ratio Lower Upper

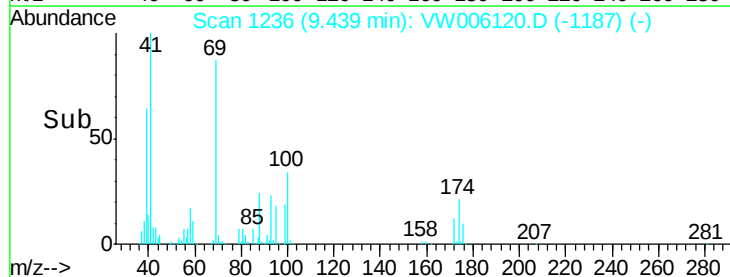
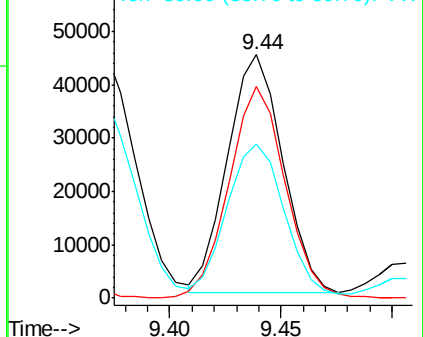
41 100

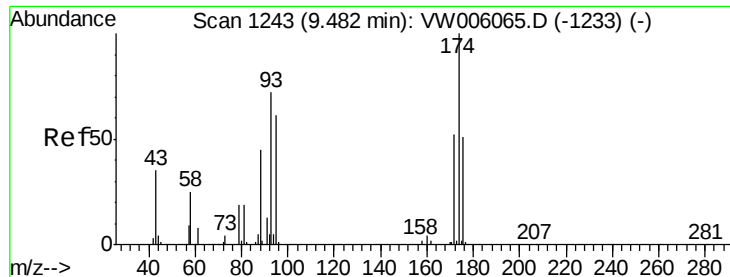
69 90.7 71.8 107.8

39 64.9 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: 1068.52 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

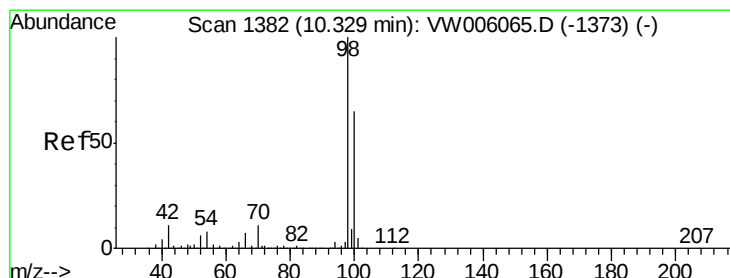
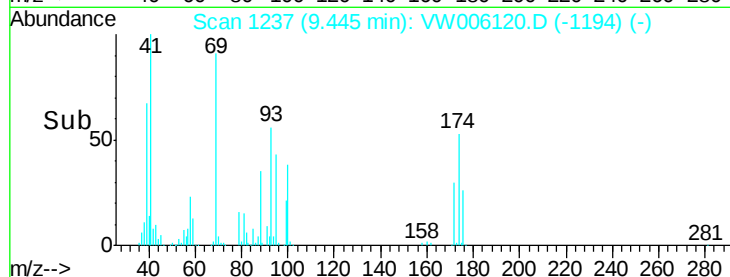
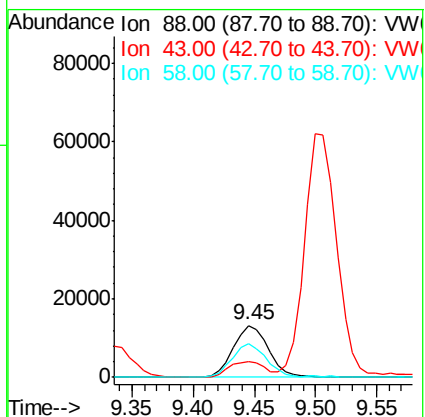
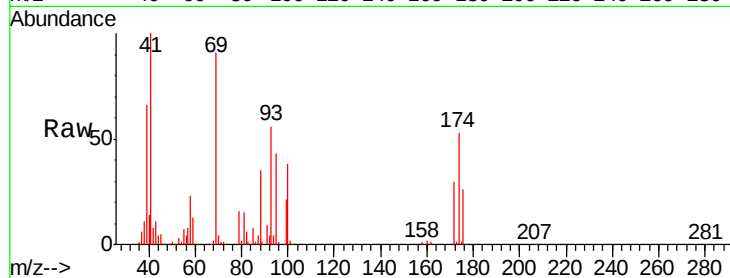
Tgt Ion: 88 Resp: 26327

Ion Ratio Lower Upper

88 100

43 31.6 0.0 0.0#

58 66.0 51.2 76.8



#50

Toluene-d8

Concen: 48.17 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006120.D

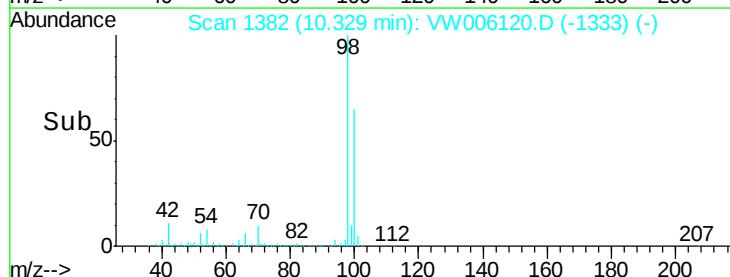
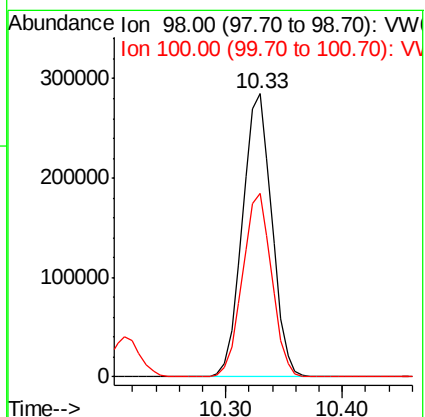
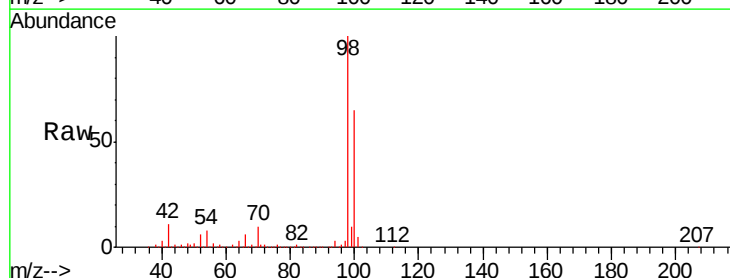
Acq: 17 Oct 2018 12:12

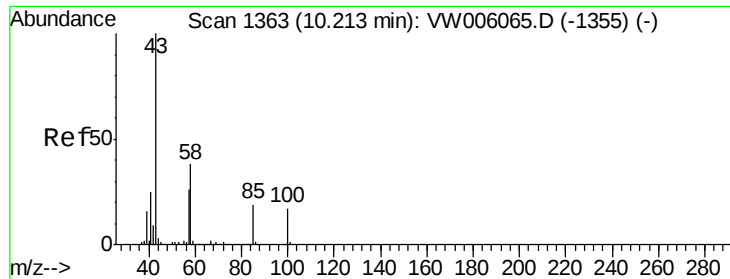
Tgt Ion: 98 Resp: 502617

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

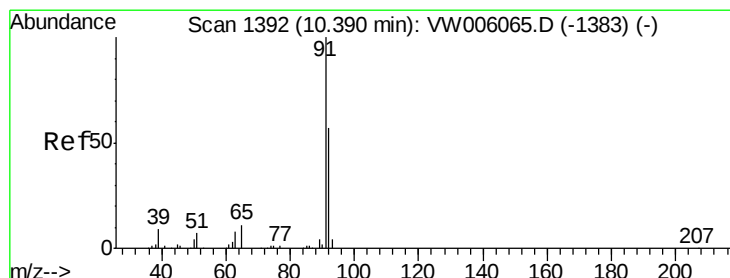
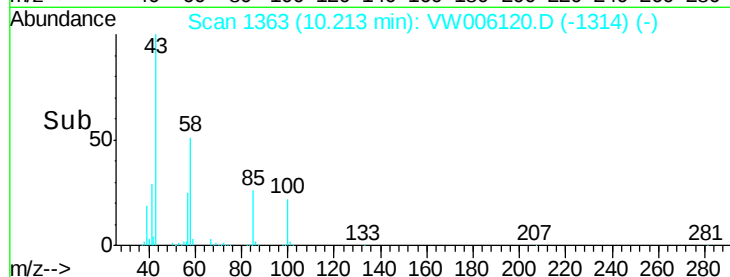
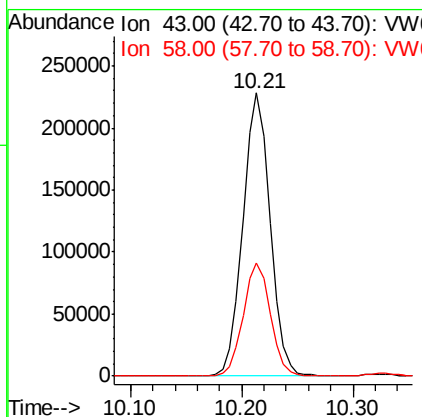
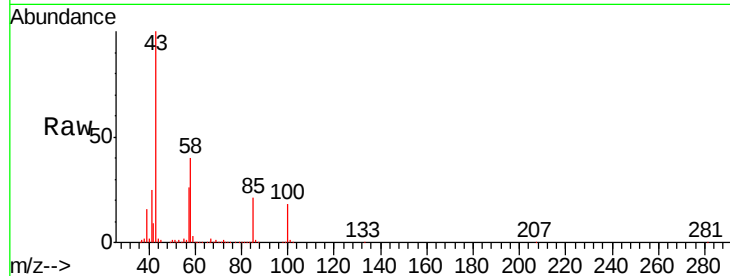




#51
 4-Methyl-2-Pentanone
 Concen: 237.45 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

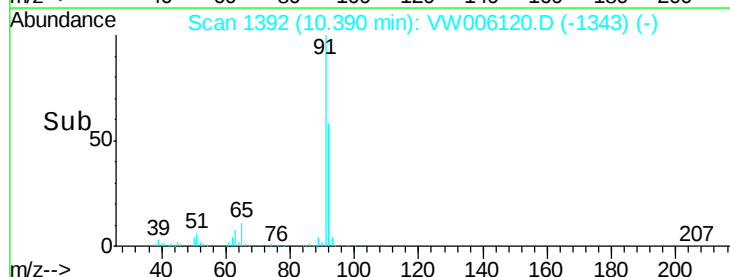
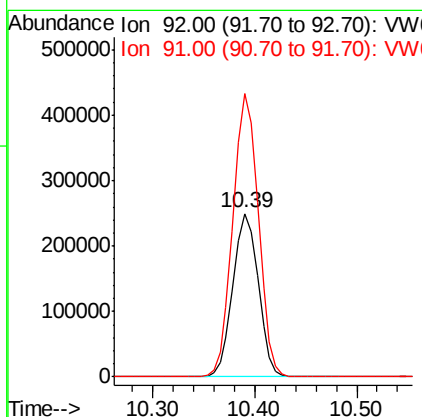
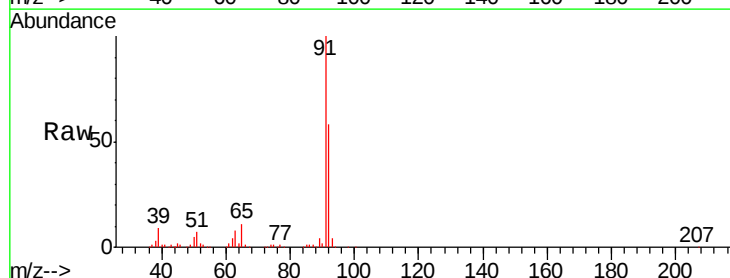
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

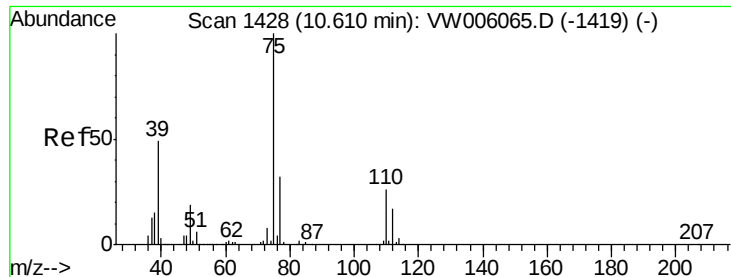
Tgt Ion: 43 Resp: 386646
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.5 47.3



#52
 Toluene
 Concen: 54.65 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 92 Resp: 429922
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.35 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

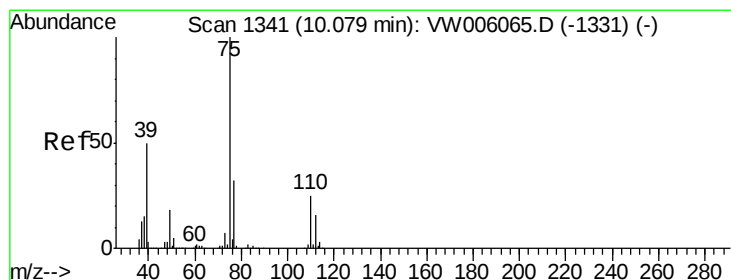
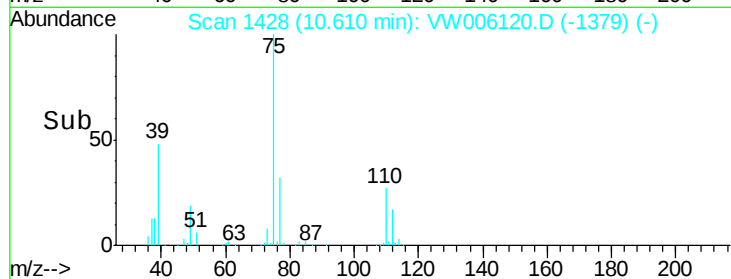
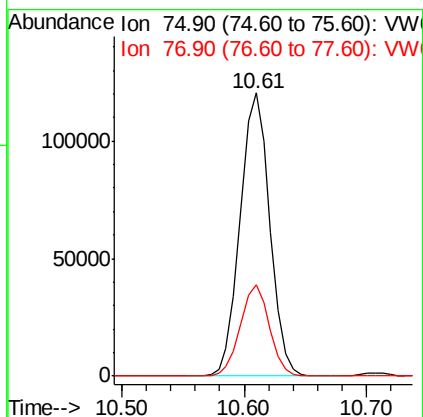
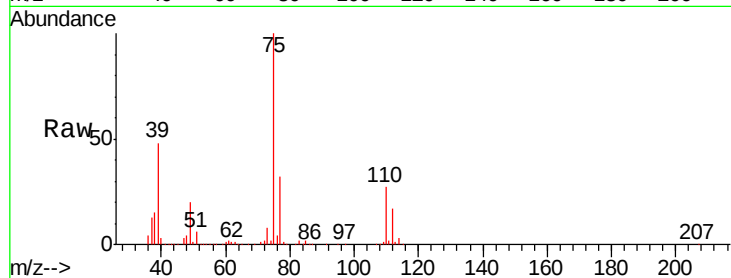
VSTDCCC050

Tgt Ion: 75 Resp: 202366

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.65 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

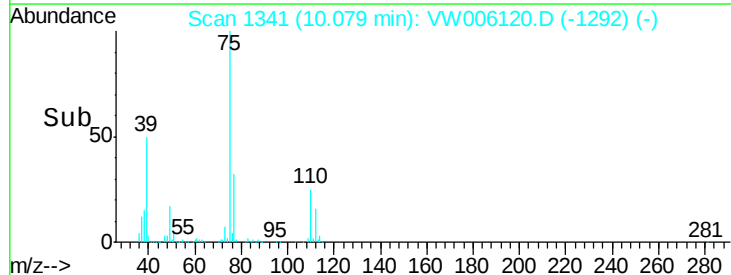
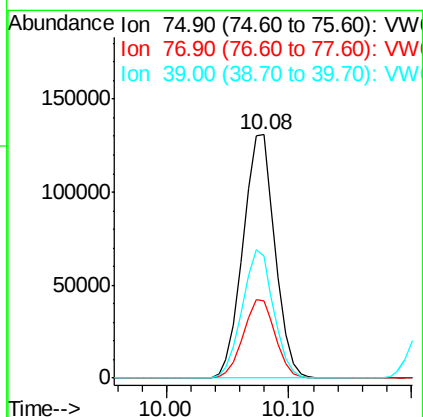
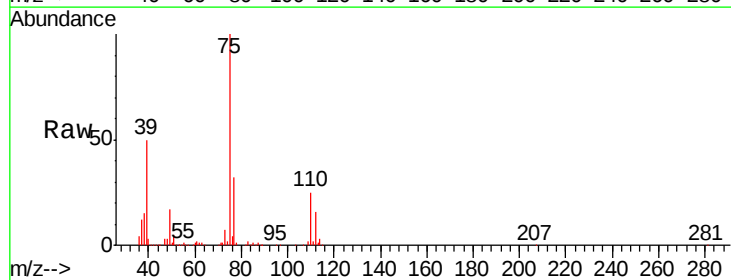
Tgt Ion: 75 Resp: 238030

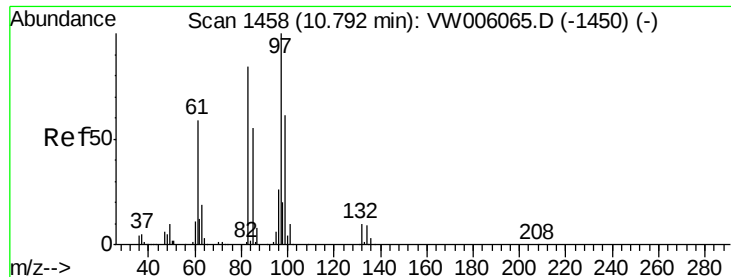
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 50.0 39.9 59.9

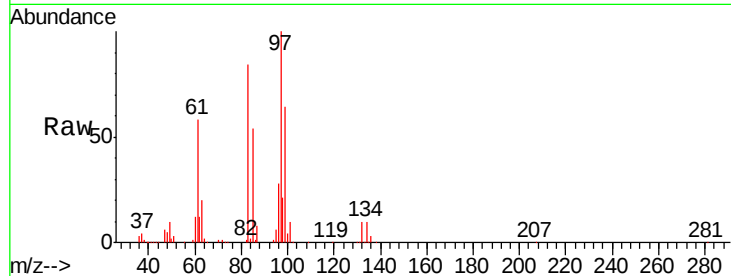




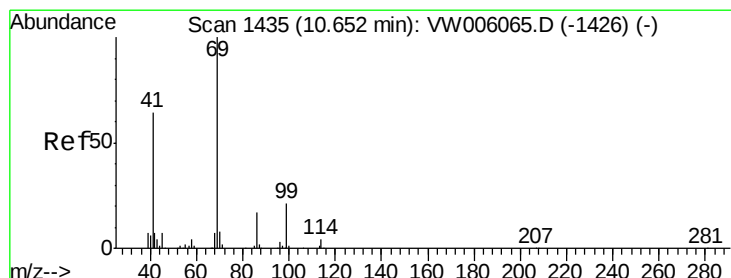
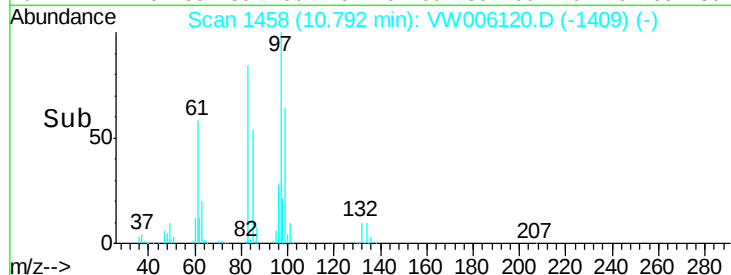
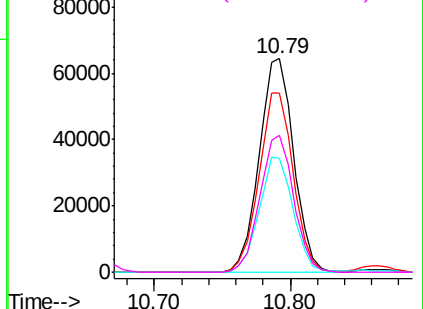
#55
 1,1,2-Trichloroethane
 Concen: 51.16 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	114578
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.2	100.8
85	53.4	43.7	65.5
99	64.2	48.5	72.7

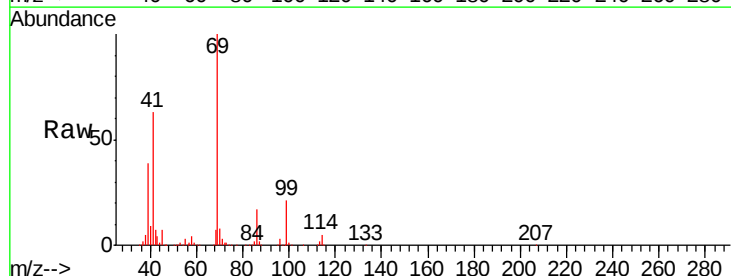


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

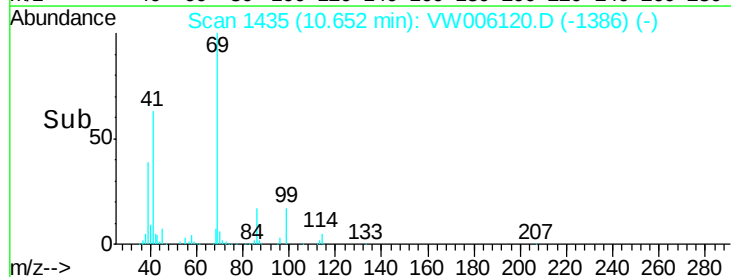
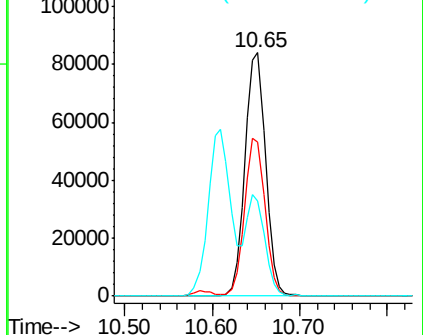


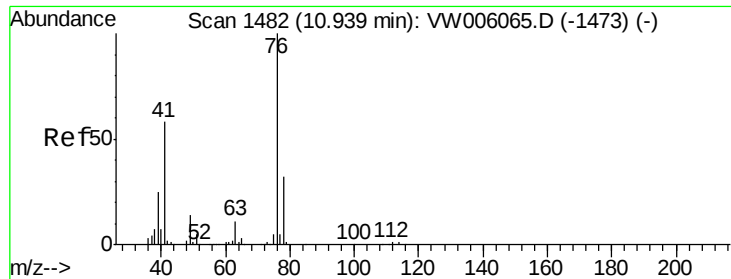
#56
 Ethyl methacrylate
 Concen: 50.15 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion:	69	Resp:	137695
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.8	79.2
39	39.9	30.6	45.8



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

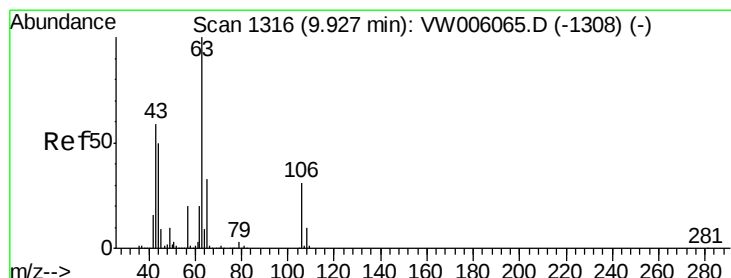
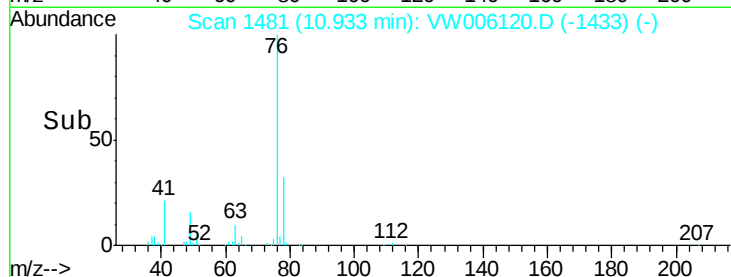
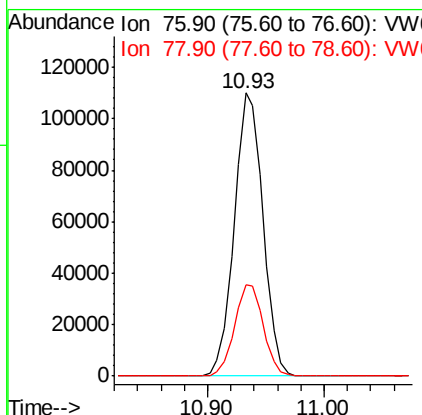
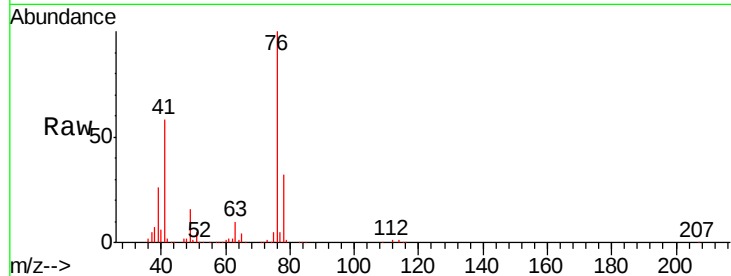




#57
 1,3-Dichloropropane
 Concen: 50.93 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

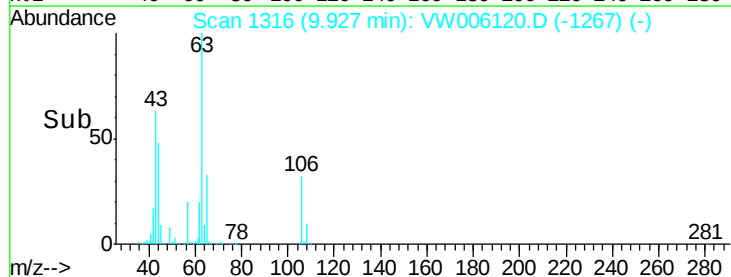
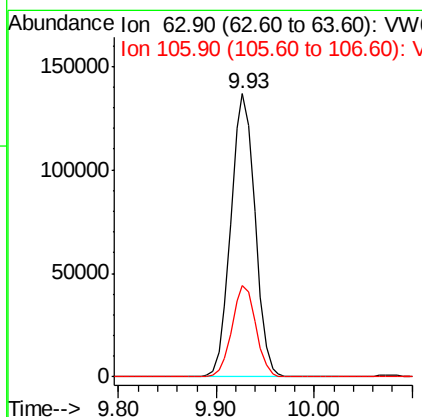
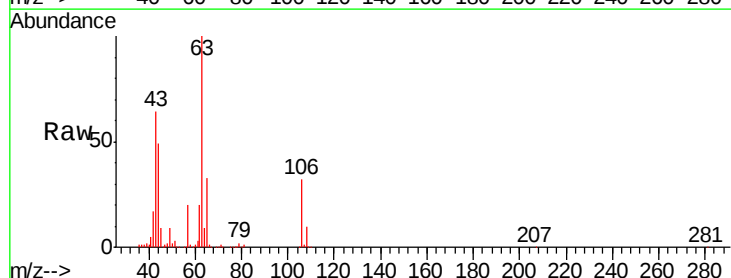
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

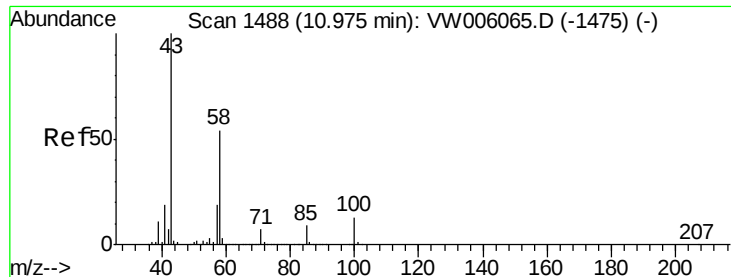
Tgt Ion: 76 Resp: 188811
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.84 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 63 Resp: 234843
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.5 36.7

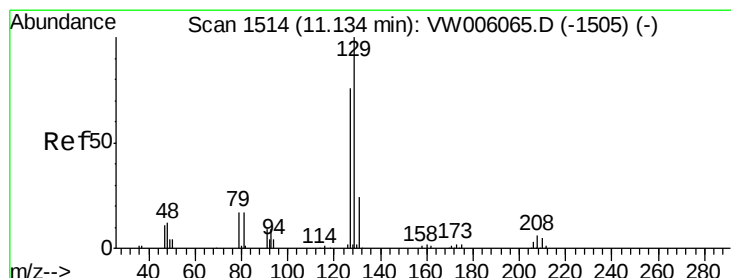
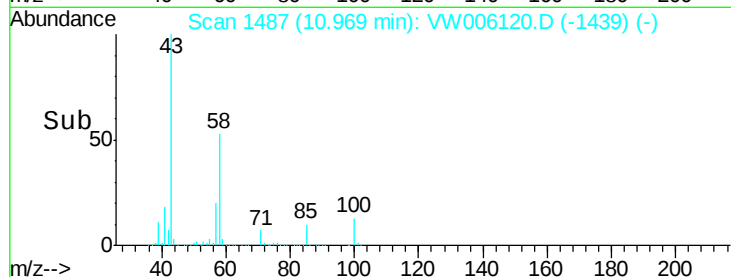
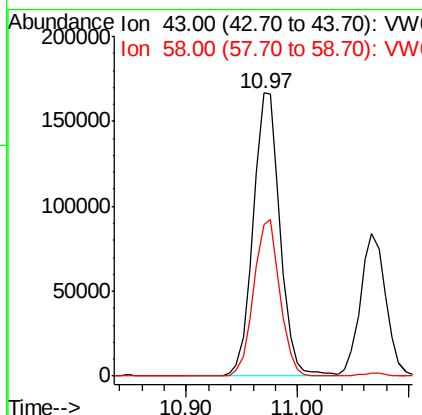
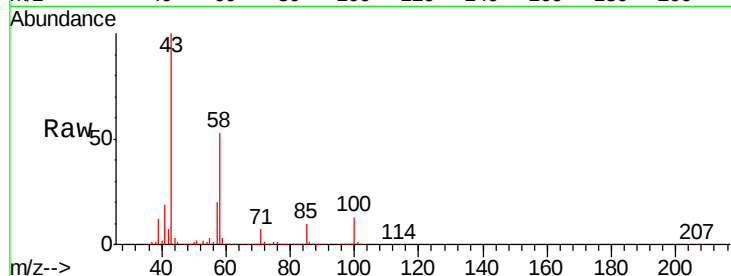




#59
2-Hexanone
Concen: 241.28 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

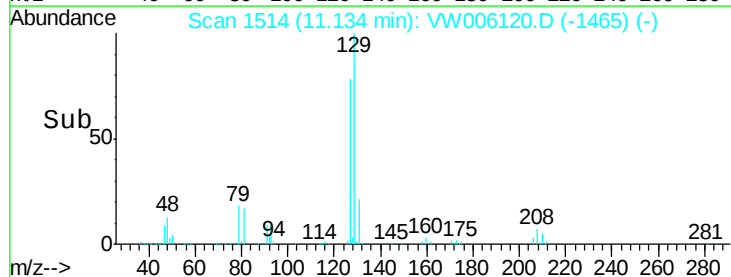
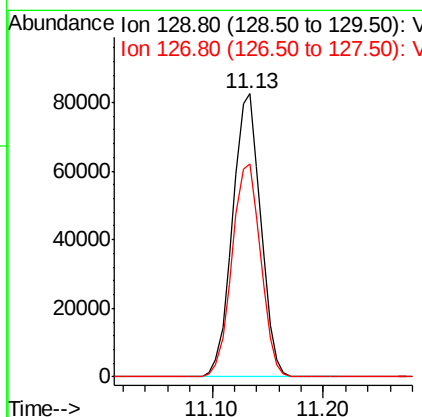
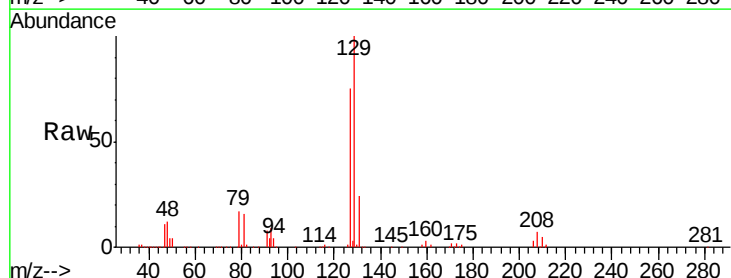
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

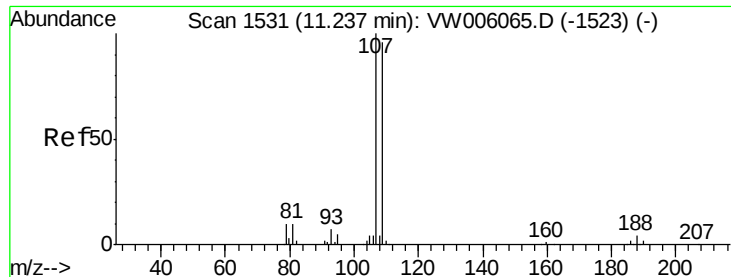
Tgt Ion: 43 Resp: 280452
Ion Ratio Lower Upper
43 100
58 54.0 26.9 80.6



#60
Dibromochloromethane
Concen: 51.82 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion: 129 Resp: 144566
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.7

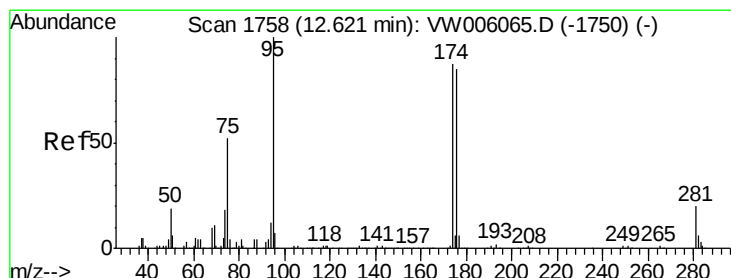
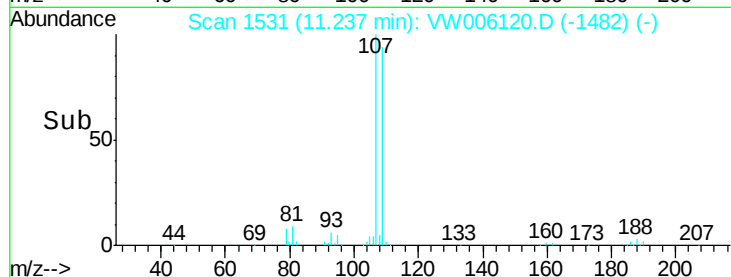
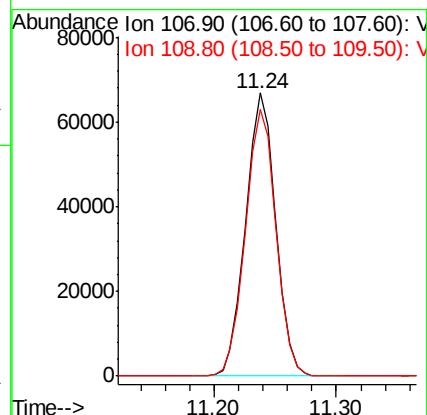
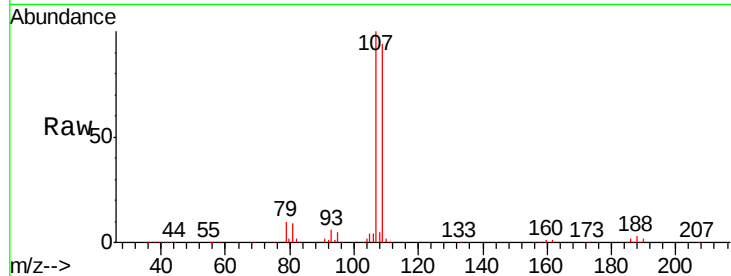




#61
 1,2-Dibromoethane
 Concen: 50.91 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

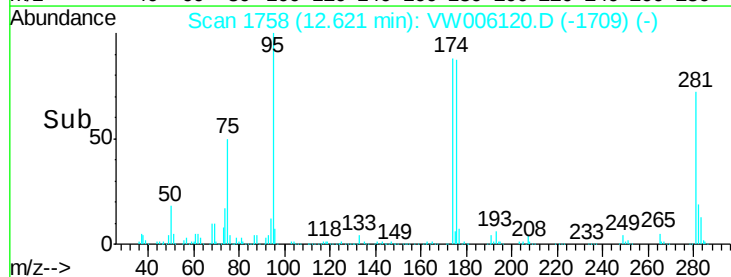
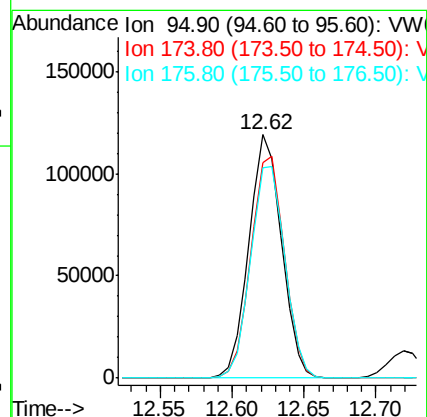
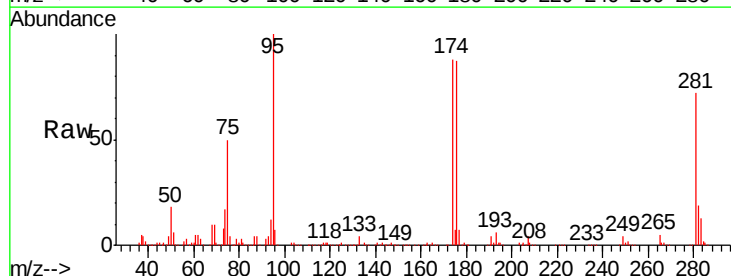
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

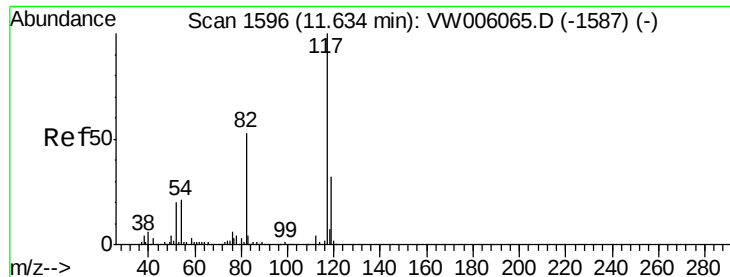
Tgt Ion: 107 Resp: 113934
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 47.60 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 95 Resp: 186541
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 186.0
 176 91.7 0.0 181.6

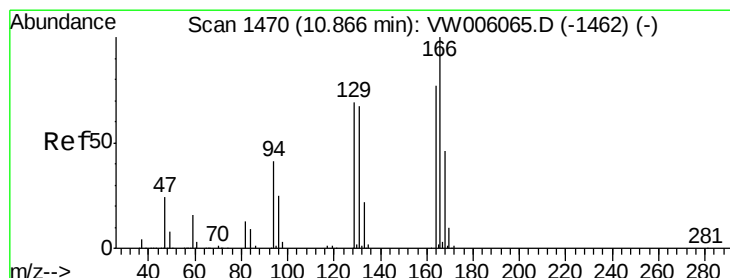
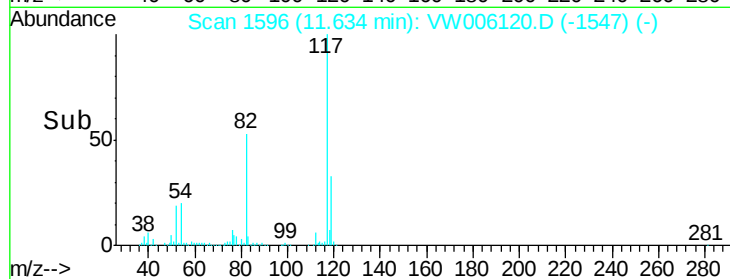
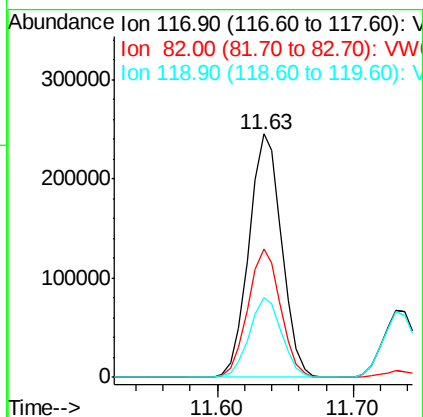
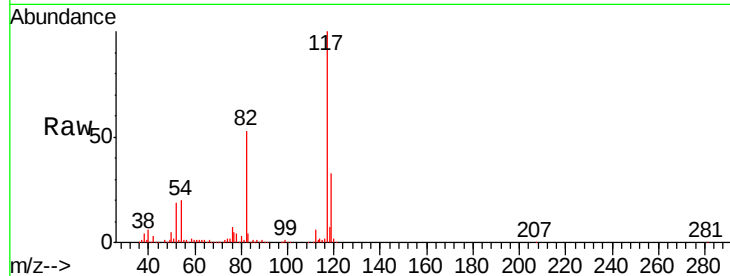




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

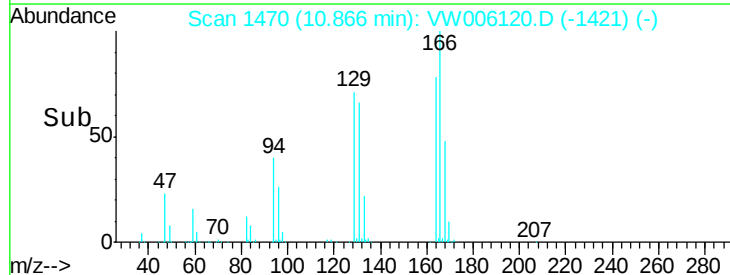
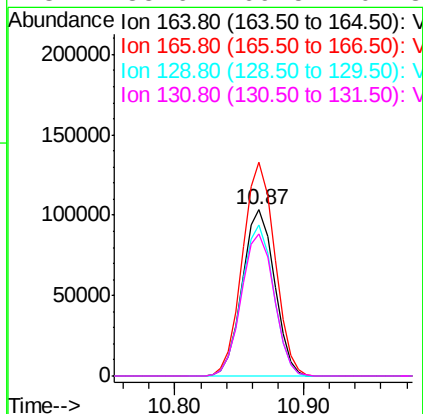
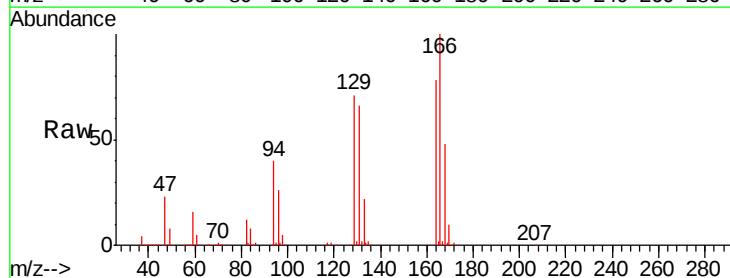
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

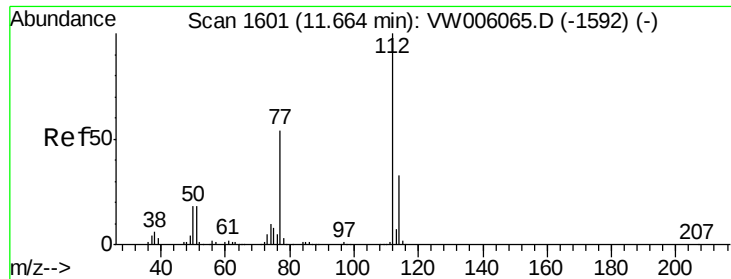
Tgt Ion:117 Resp: 414274
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 55.45 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion:164 Resp: 178340
Ion Ratio Lower Upper
164 100
166 128.7 103.4 155.0
129 90.8 71.8 107.8
131 85.6 69.5 104.3





#65

Chlorobenzene

Concen: 54.70 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

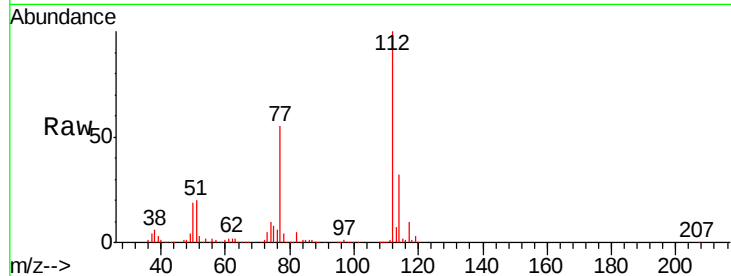
VSTDCCC050

Tgt Ion:112 Resp: 485110

Ion Ratio Lower Upper

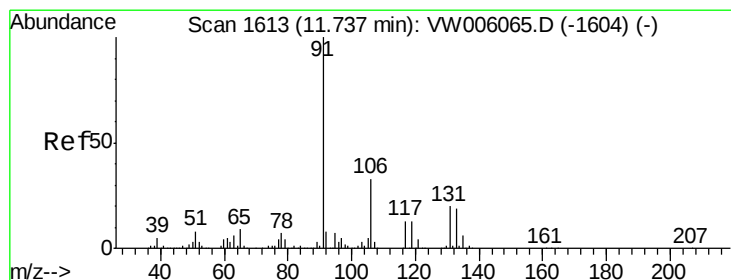
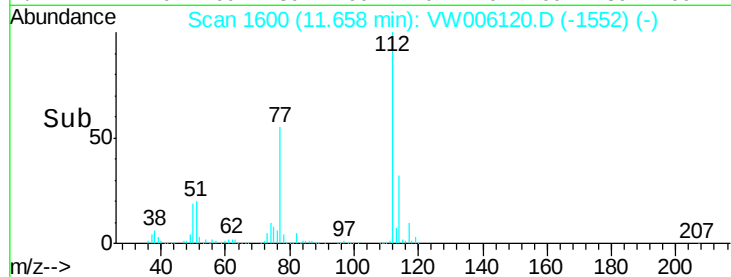
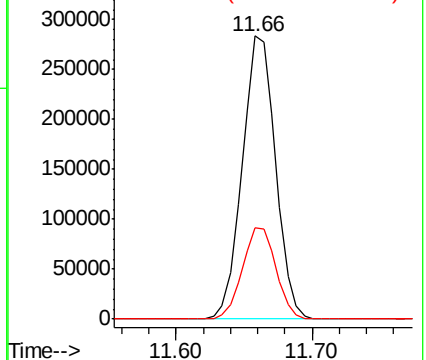
112 100

114 32.1 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.10 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

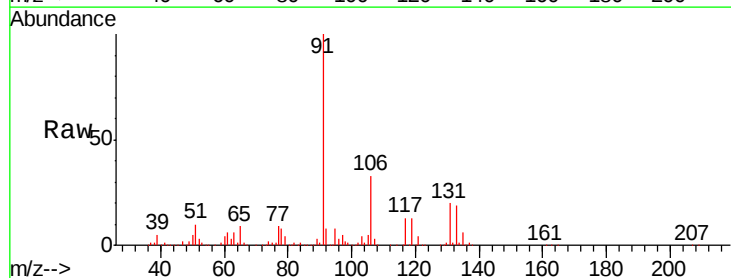
Tgt Ion:131 Resp: 173658

Ion Ratio Lower Upper

131 100

133 96.0 48.1 144.3

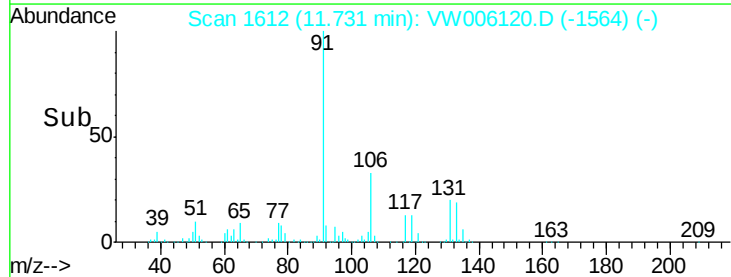
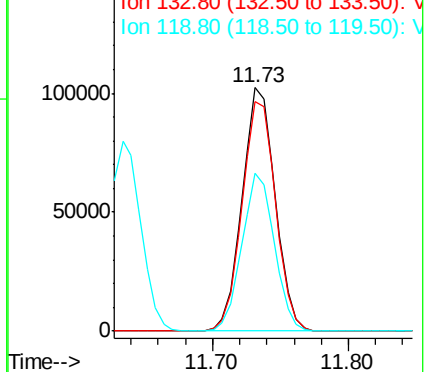
119 63.7 31.6 94.7

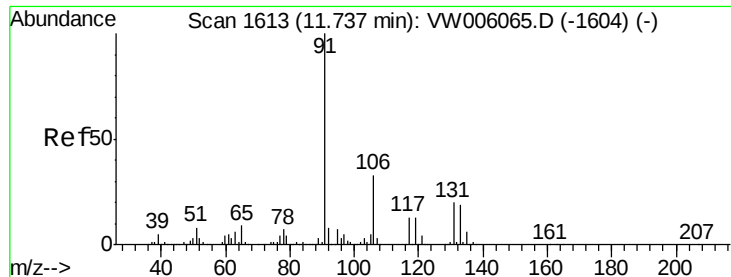


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

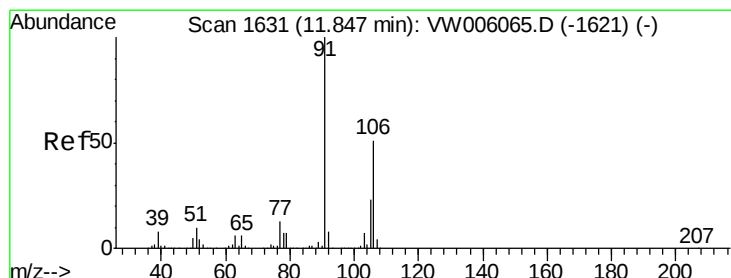
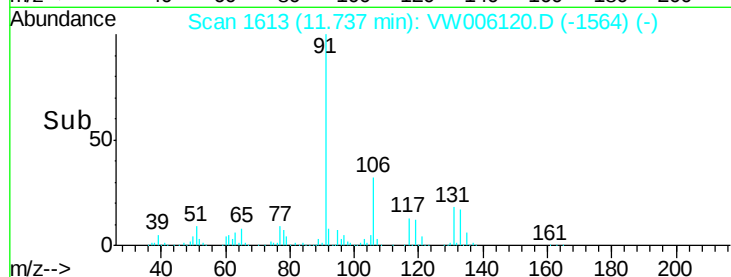
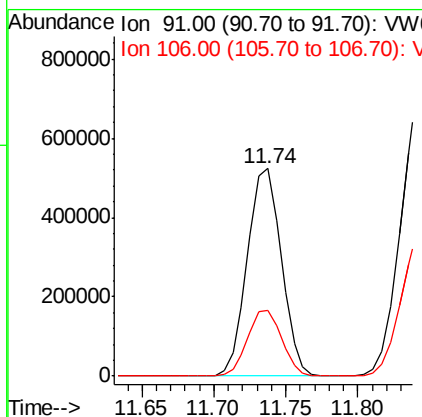
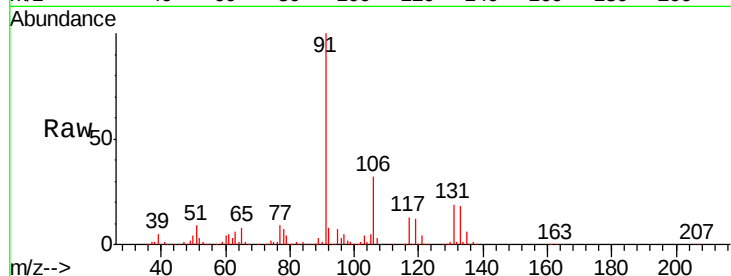




#67
Ethyl Benzene
Concen: 56.02 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

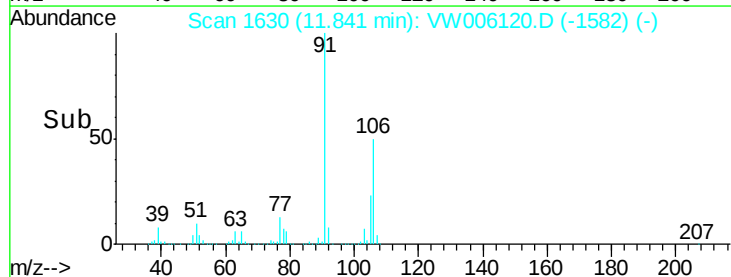
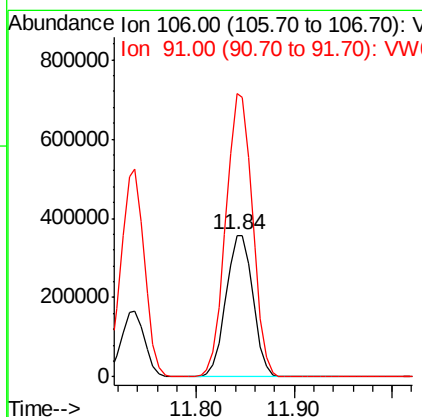
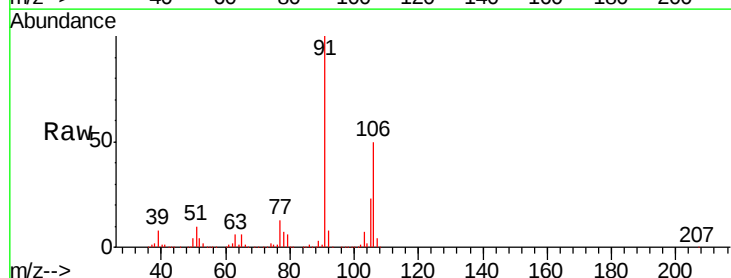
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

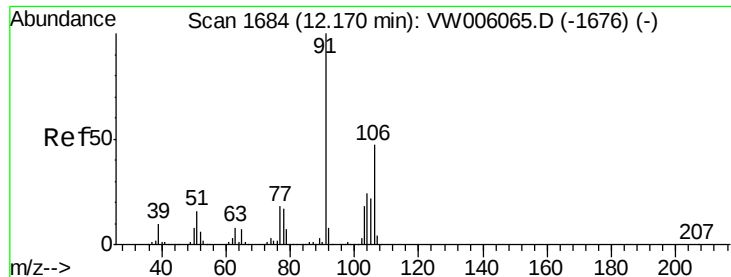
Tgt Ion: 91 Resp: 860943
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 112.32 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion: 106 Resp: 682293
Ion Ratio Lower Upper
106 100
91 198.1 159.1 238.7

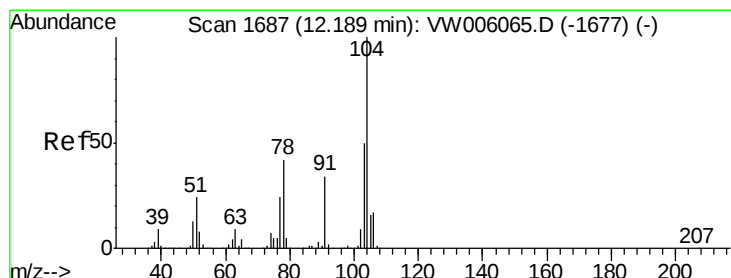
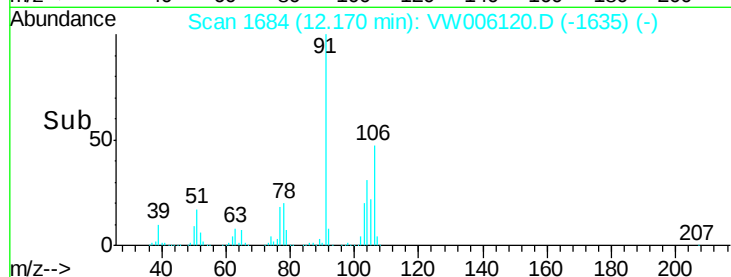
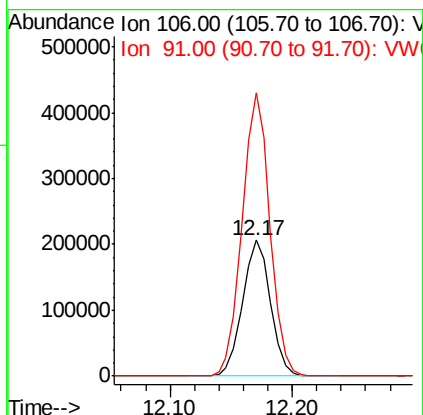
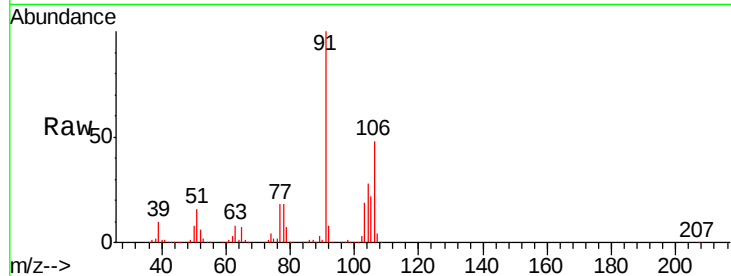




#69
o-Xylene
Concen: 56.26 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

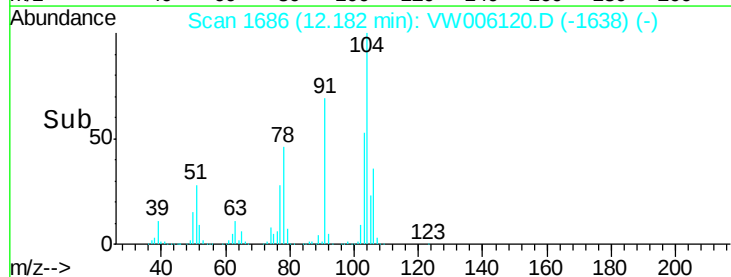
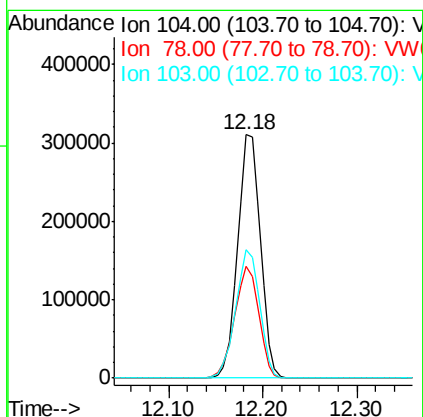
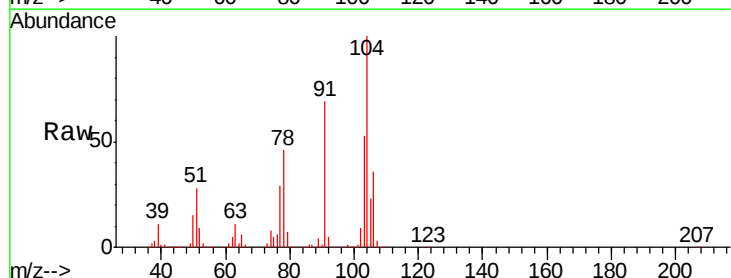
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

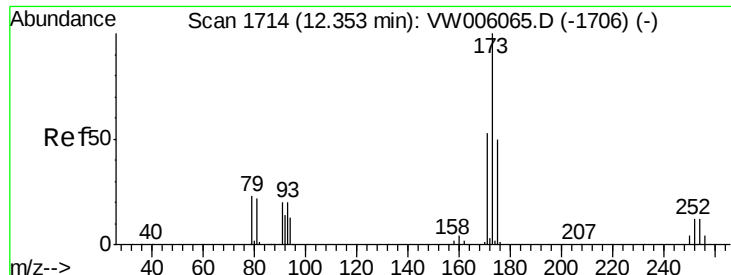
Tgt Ion:106 Resp: 325711
Ion Ratio Lower Upper
106 100
91 207.1 105.4 316.1



#70
Styrene
Concen: 55.54 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion:104 Resp: 522904
Ion Ratio Lower Upper
104 100
78 48.9 39.1 58.7
103 55.6 44.3 66.5





#71

Bromoform

Concen: 50.65 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

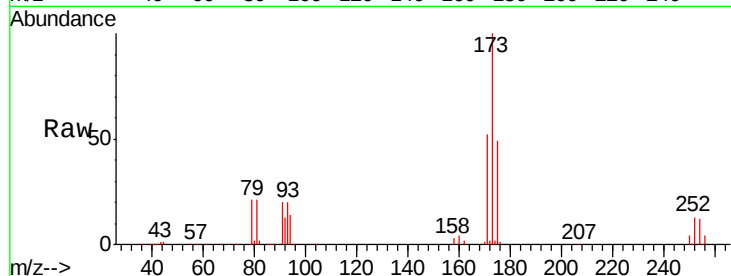
Tgt Ion:173 Resp: 89046

Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

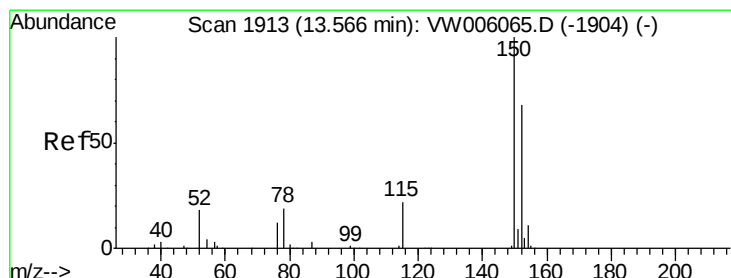
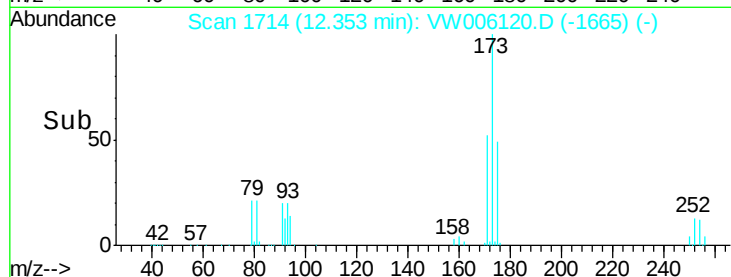
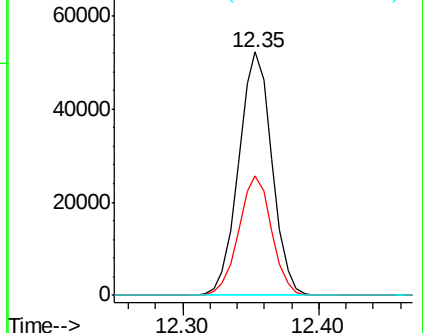
254 0.2 0.1 0.1#



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: VW006120.D

Acq: 17 Oct 2018 12:12

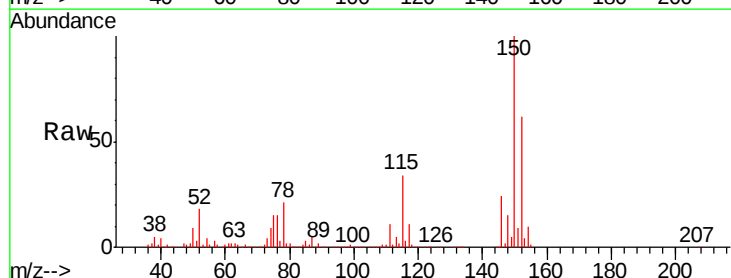
Tgt Ion:152 Resp: 229308

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.3

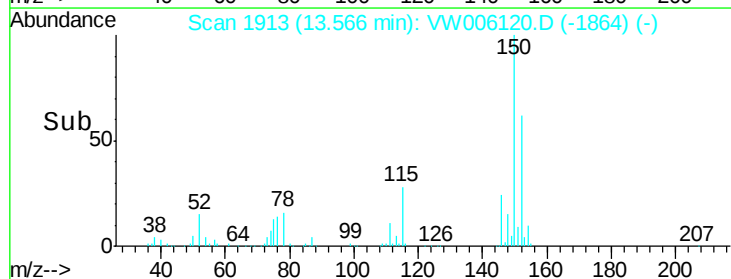
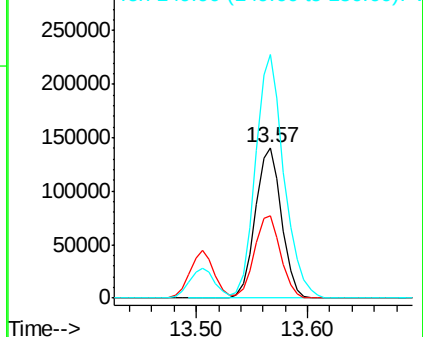
150 175.8 0.0 349.2

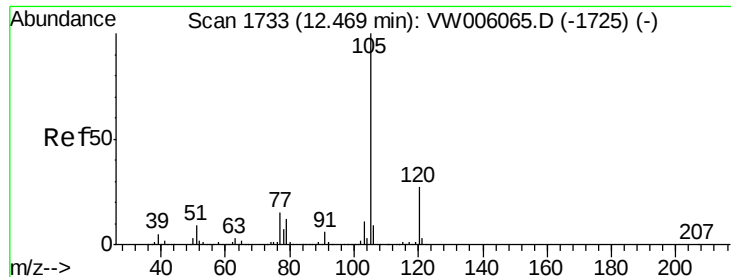


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.15 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

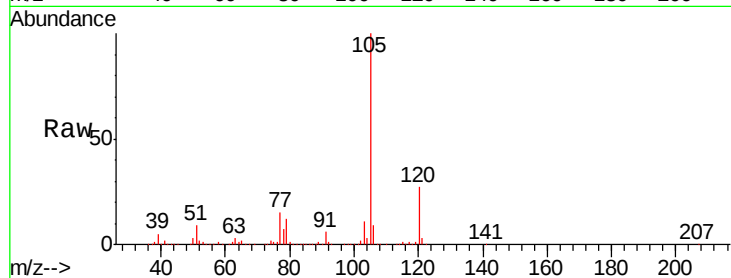
VSTDCCC050

Tgt Ion: 105 Resp: 925786

Ion Ratio Lower Upper

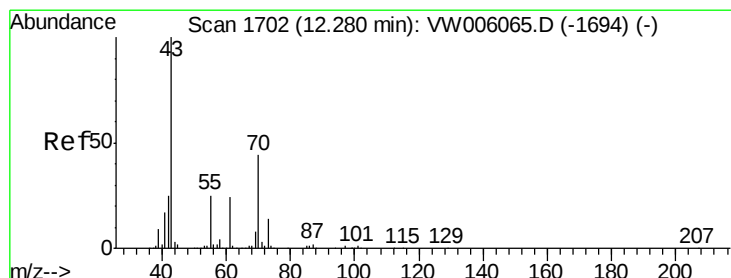
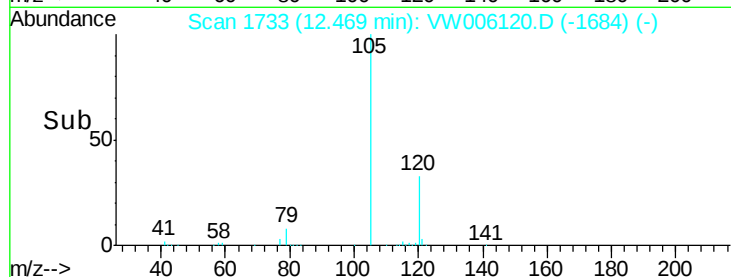
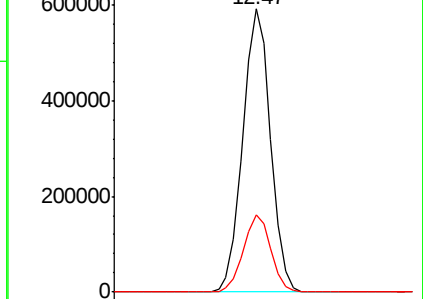
105 100

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: 49.94 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Tgt Ion: 43 Resp: 157124

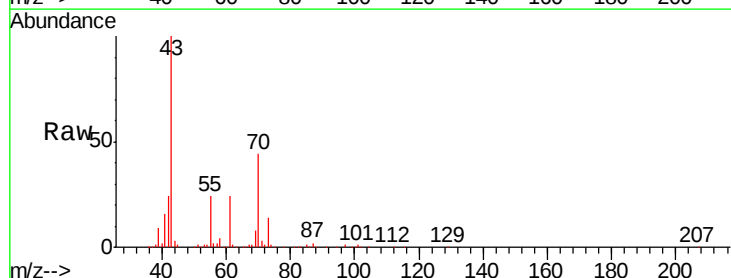
Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 24.3 19.2 28.8

61 24.4 19.0 28.6

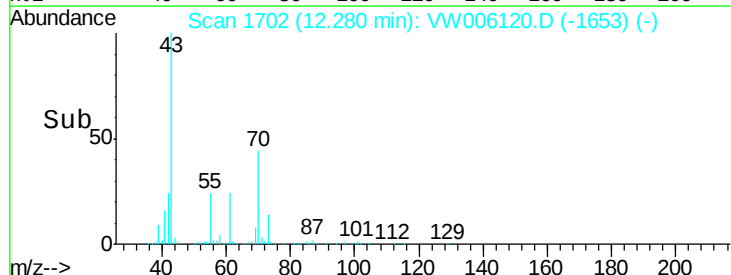
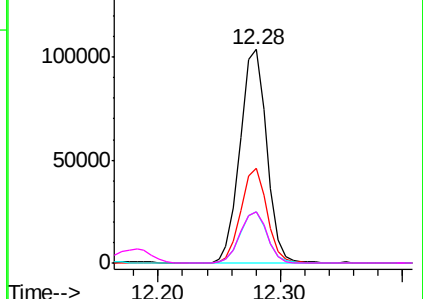


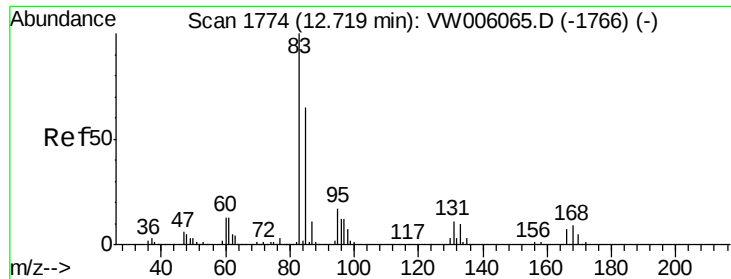
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 50.99 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

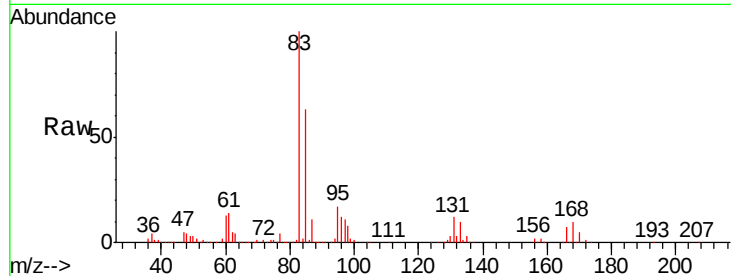
Tgt Ion: 83 Resp: 125627

Ion Ratio Lower Upper

83 100

131 12.4 5.9 17.7

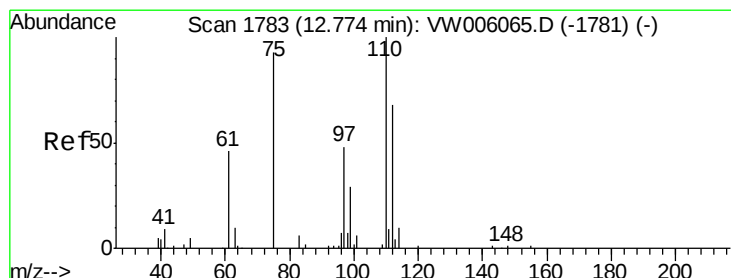
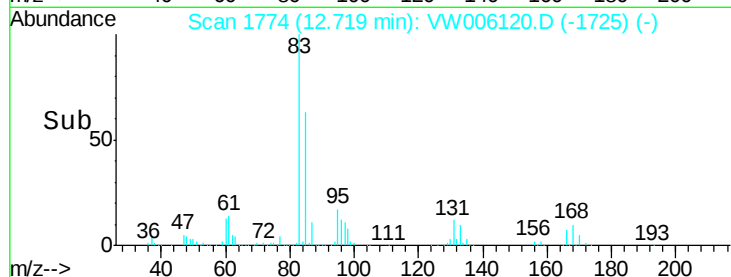
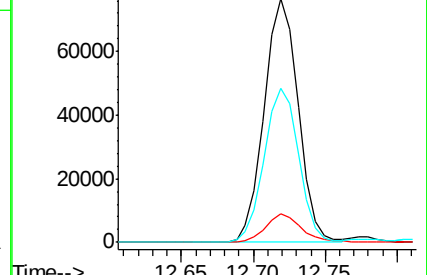
85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.72 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006120.D

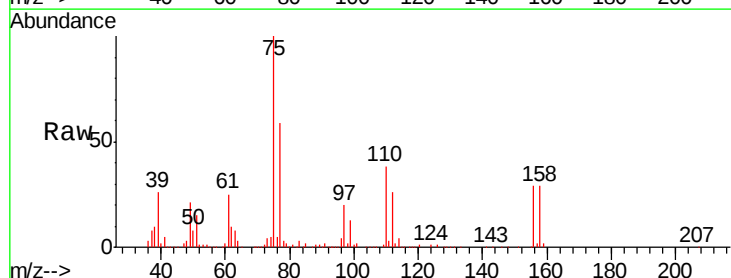
Acq: 17 Oct 2018 12:12

Tgt Ion: 75 Resp: 167658

Ion Ratio Lower Upper

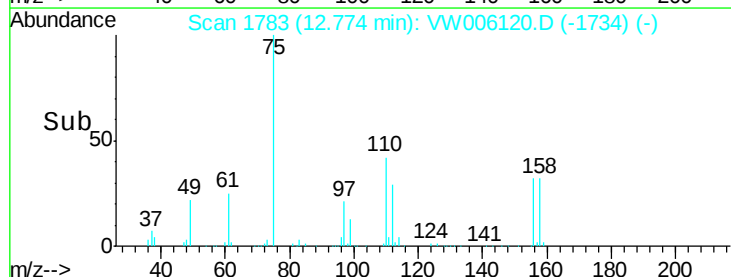
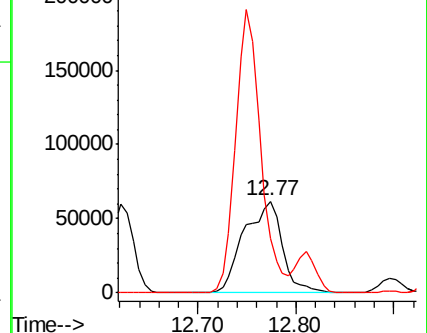
75 100

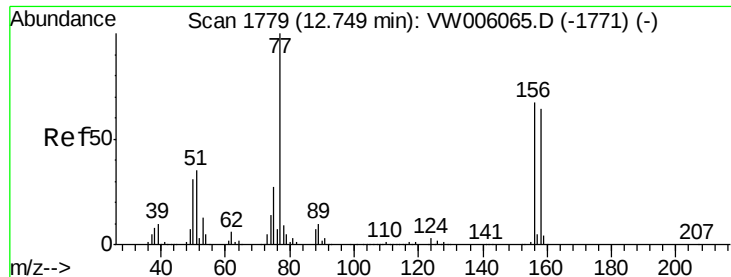
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.92 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

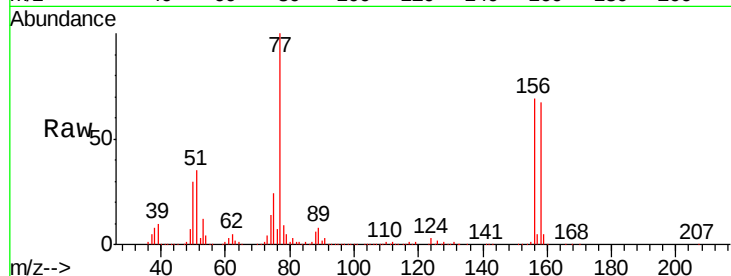
Tgt Ion:156 Resp: 217926

Ion Ratio Lower Upper

156 100

77 157.2 79.1 237.4

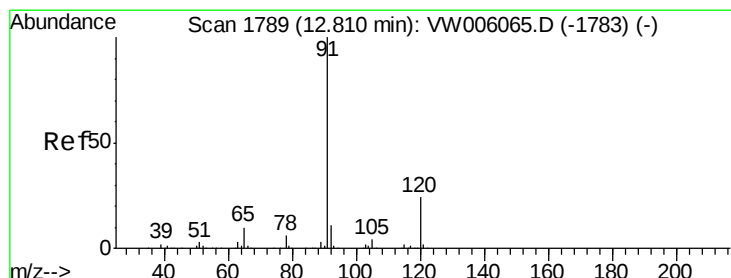
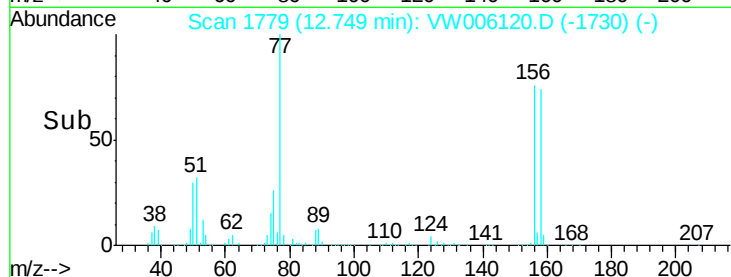
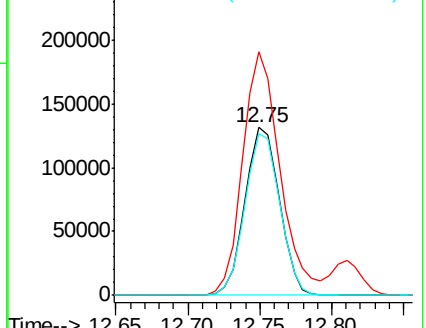
158 97.6 48.5 145.6



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: 56.93 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006120.D

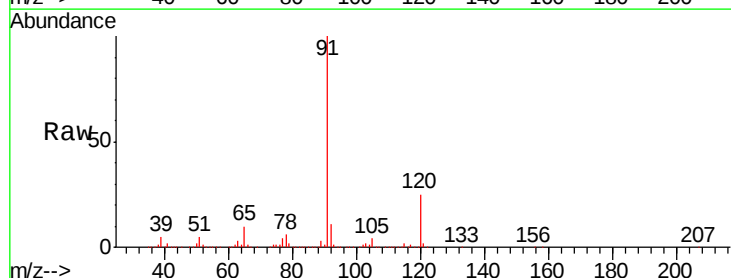
Acq: 17 Oct 2018 12:12

Tgt Ion: 91 Resp: 1072986

Ion Ratio Lower Upper

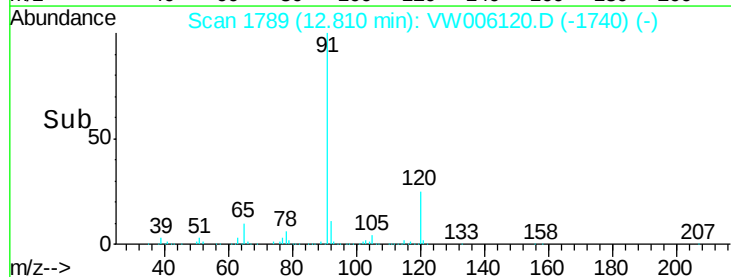
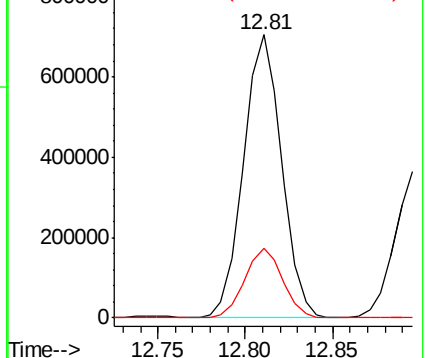
91 100

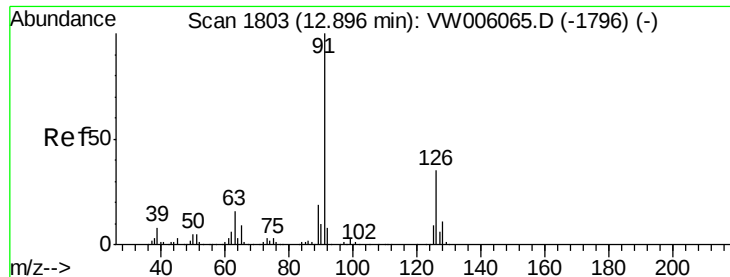
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.04 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

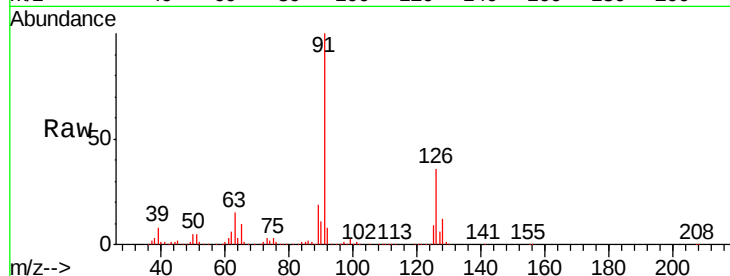
VSTDCCC050

Tgt Ion: 91 Resp: 593426

Ion Ratio Lower Upper

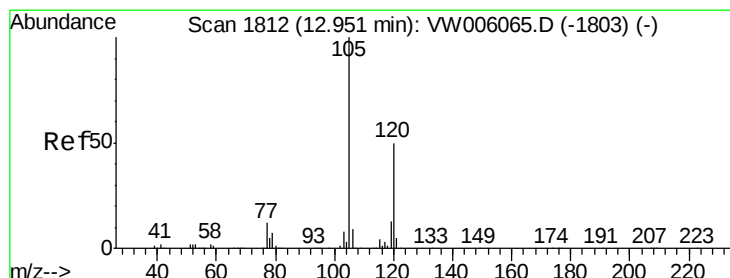
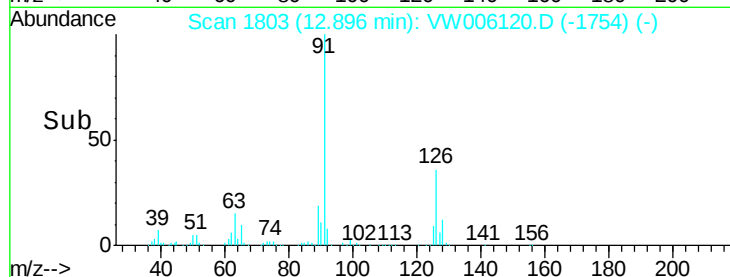
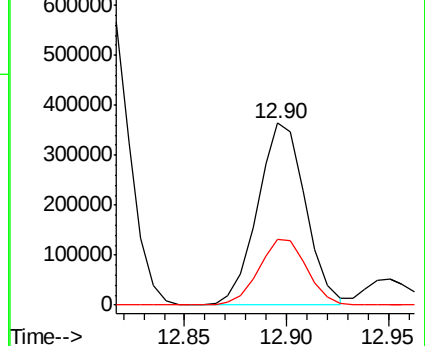
91 100

126 36.4 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.60 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006120.D

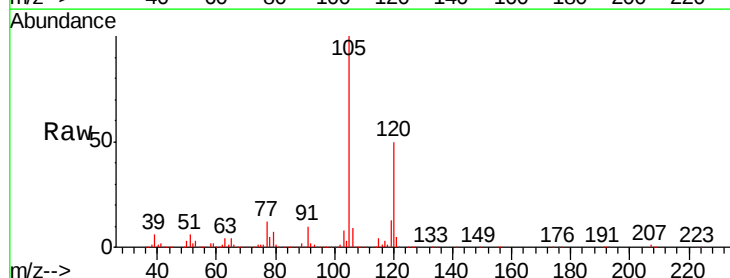
Acq: 17 Oct 2018 12:12

Tgt Ion: 105 Resp: 773006

Ion Ratio Lower Upper

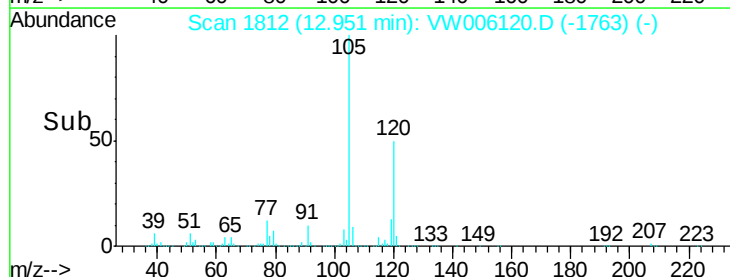
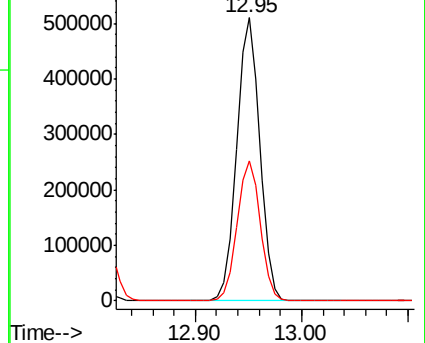
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.77 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

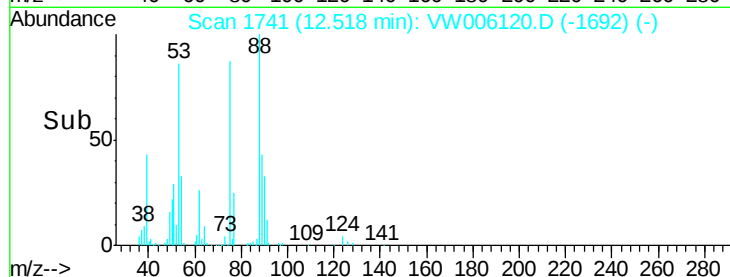
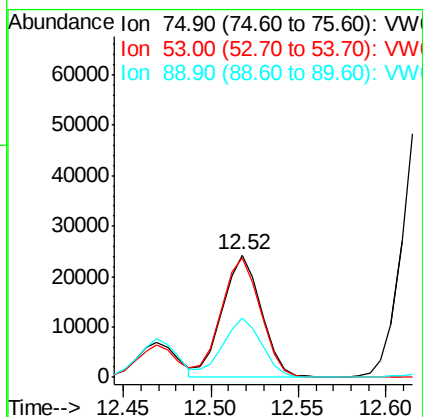
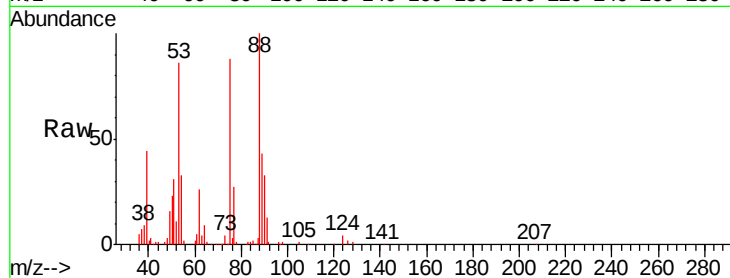
Tgt Ion: 75 Resp: 37201

Ion Ratio Lower Upper

75 100

53 100.8 79.8 119.6

89 47.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 56.45 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006120.D

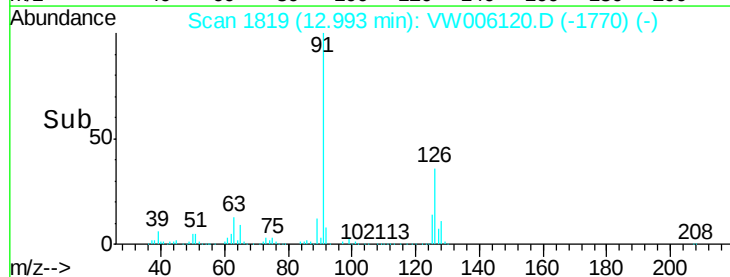
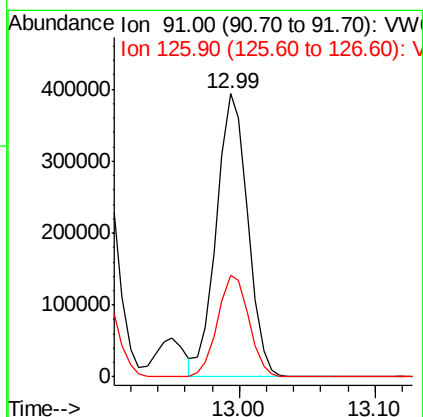
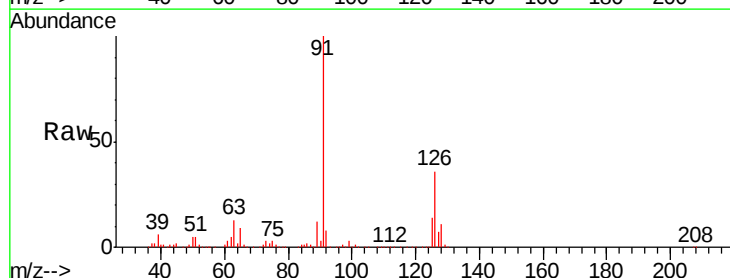
Acq: 17 Oct 2018 12:12

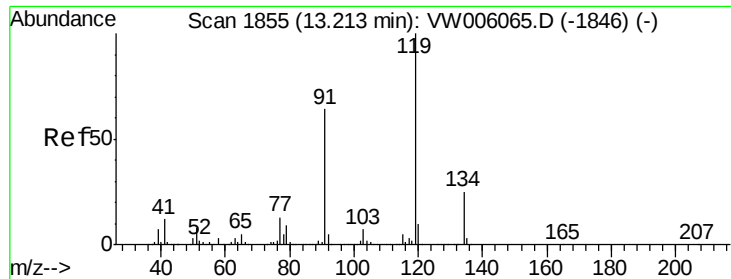
Tgt Ion: 91 Resp: 626211

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3

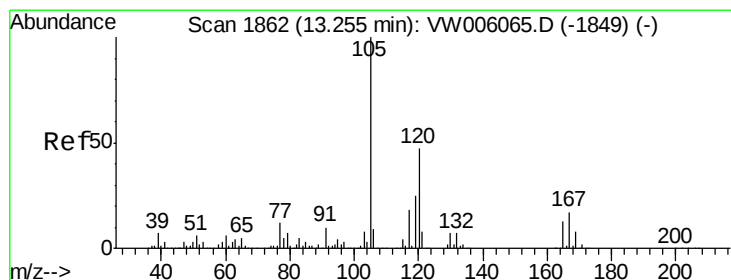
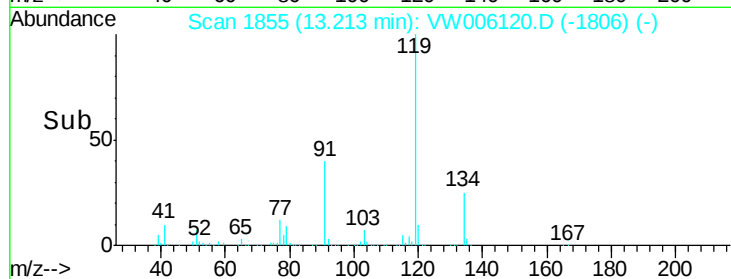
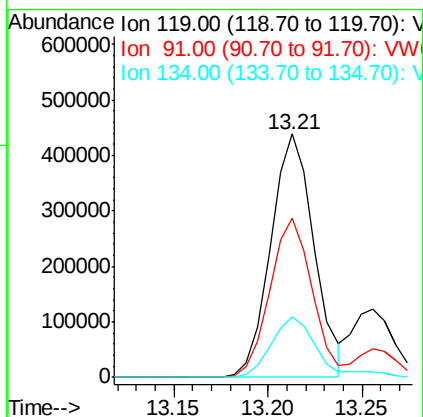
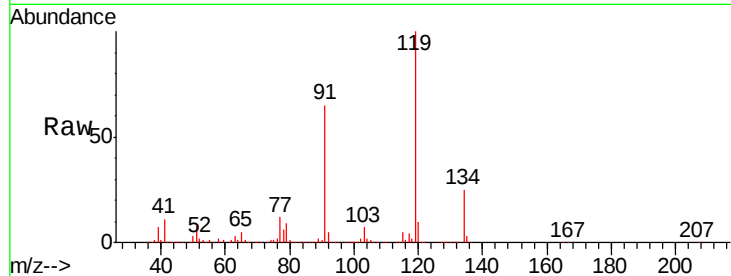




#83
 tert-Butylbenzene
 Concen: 57.15 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

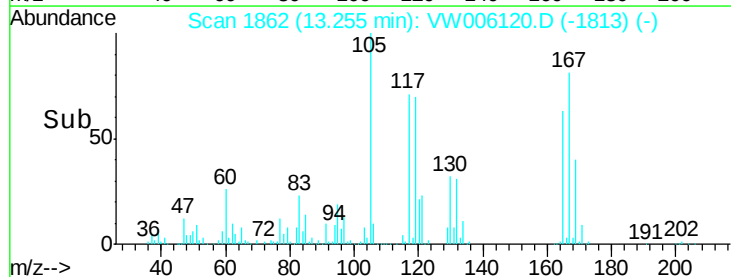
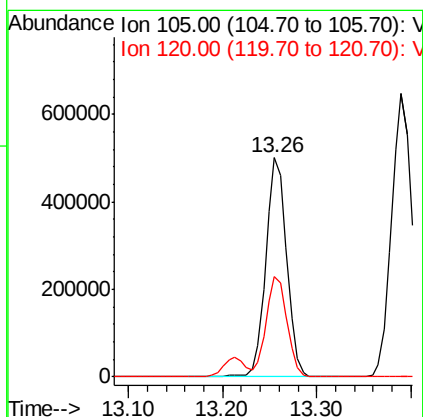
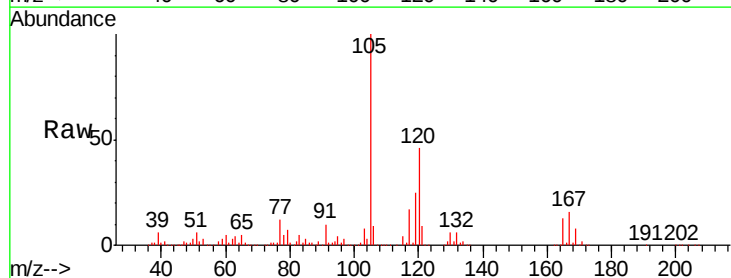
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

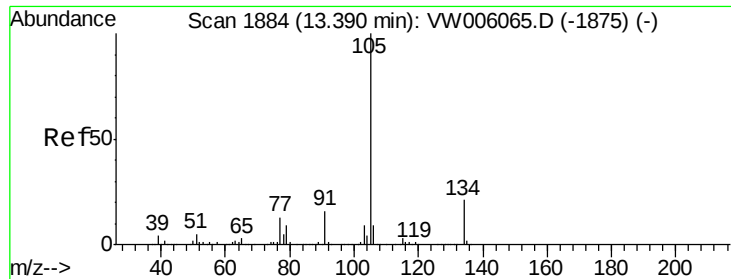
Tgt Ion:119 Resp: 698243
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.3 96.9
 134 26.8 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 56.32 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion:105 Resp: 778287
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3

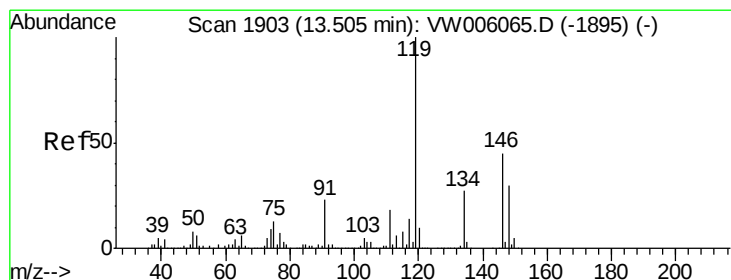
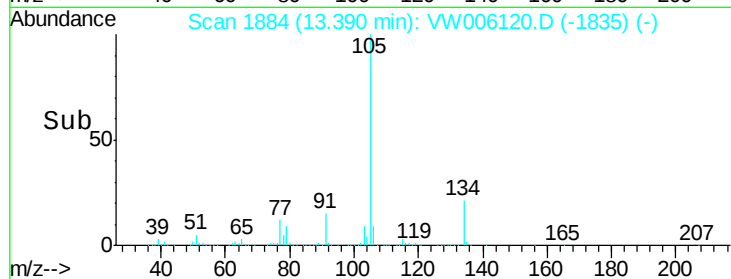
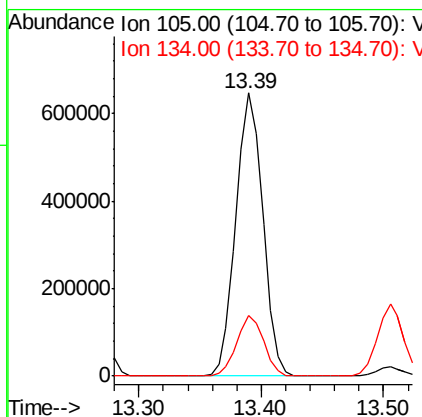
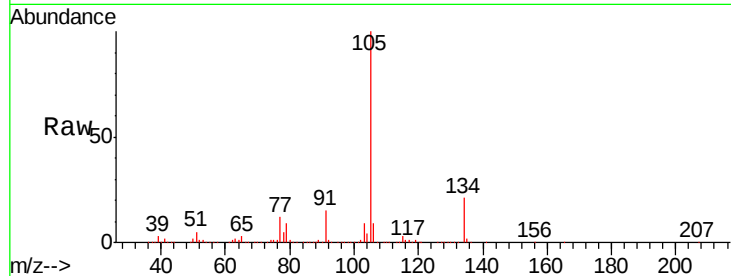




#85
 sec-Butylbenzene
 Concen: 57.23 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

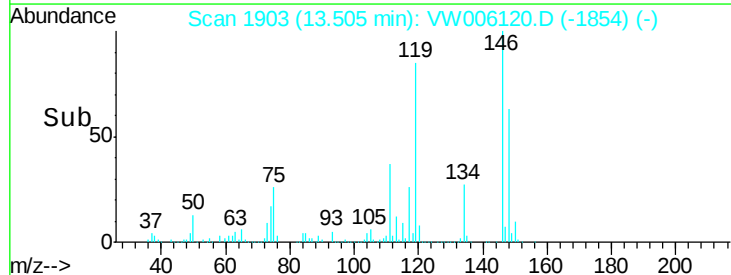
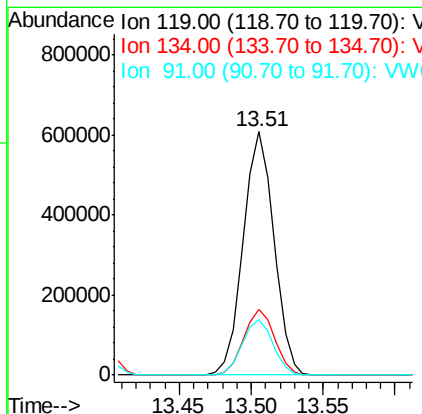
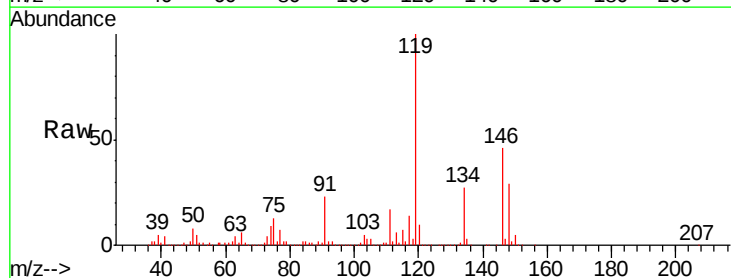
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

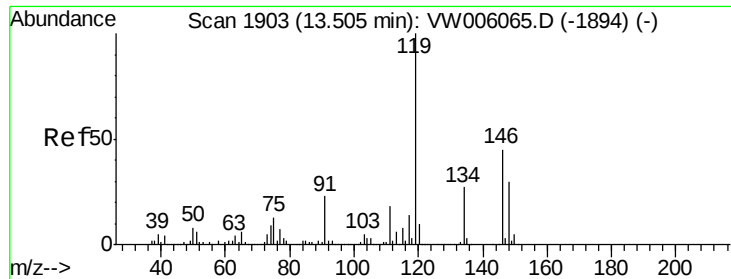
Tgt Ion:105 Resp: 987886
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 57.54 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion:119 Resp: 898362
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.9 11.4 34.1

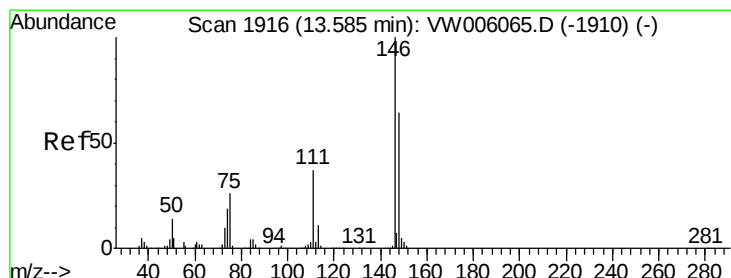
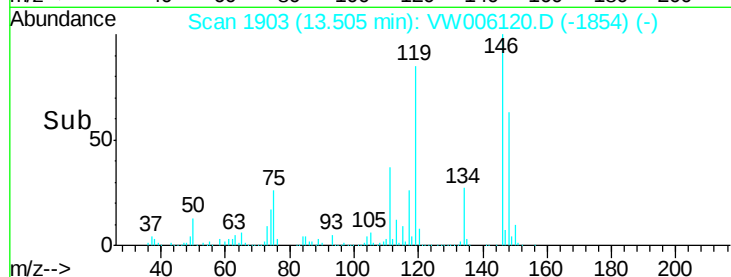
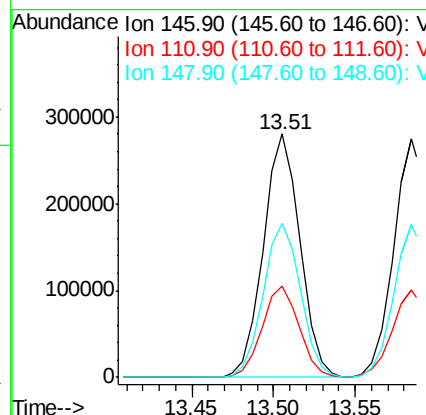
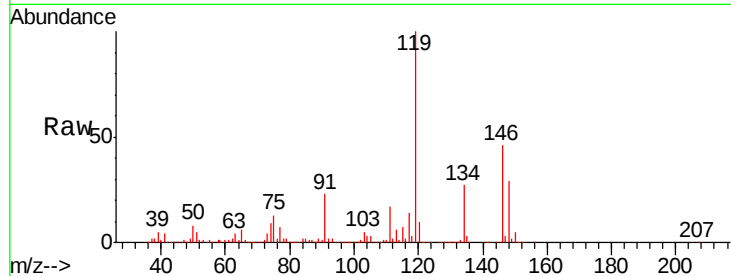




#87
 1,3-Dichlorobenzene
 Concen: 55.39 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

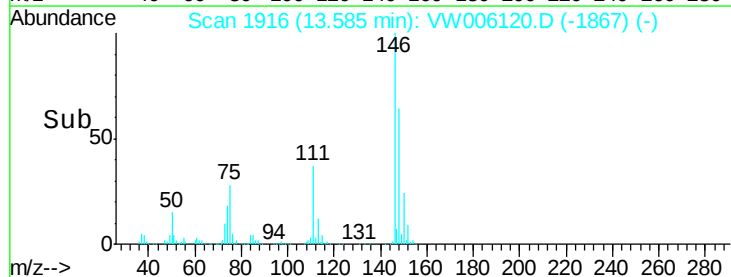
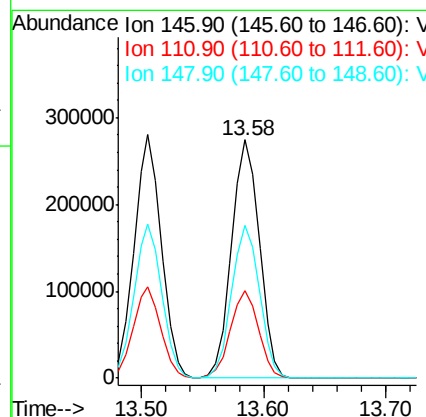
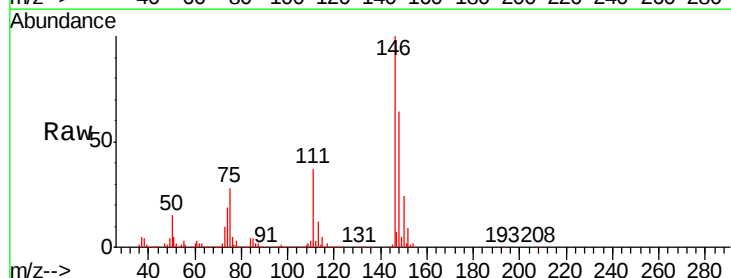
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 437383
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.5
 148 64.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 54.91 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion:146 Resp: 431720
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 57.38 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006120.D

Acq: 17 Oct 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

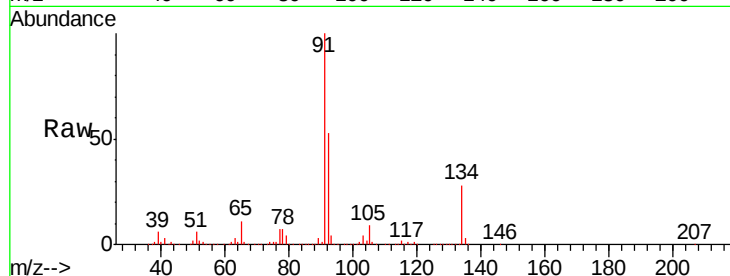
Tgt Ion: 91 Resp: 819281

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.7

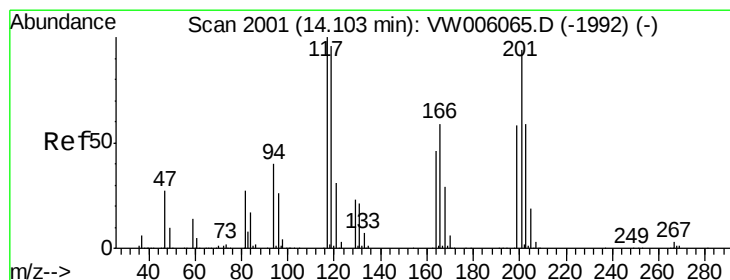
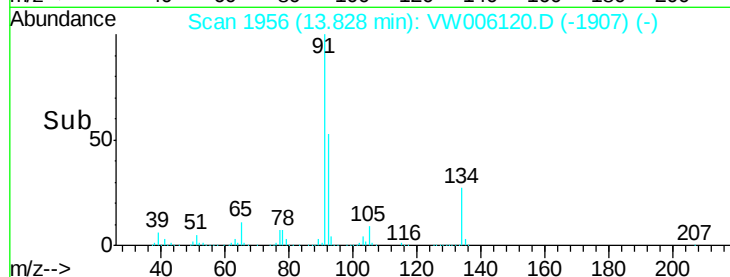
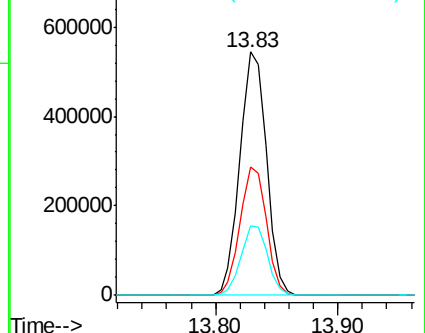
134 28.6 14.0 41.9



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: 55.57 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006120.D

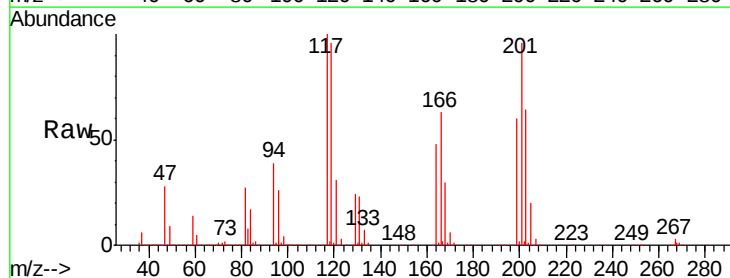
Acq: 17 Oct 2018 12:12

Tgt Ion: 117 Resp: 146969

Ion Ratio Lower Upper

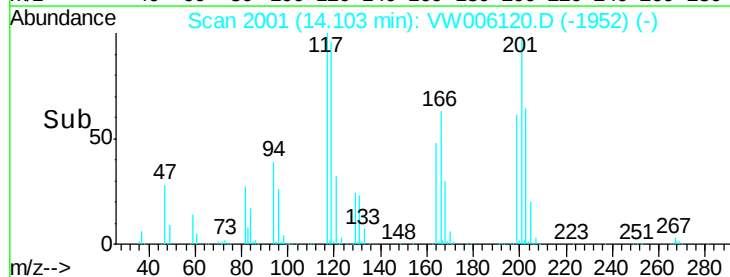
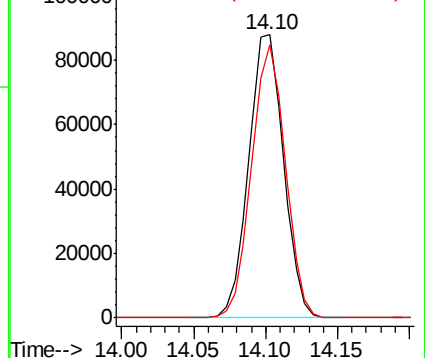
117 100

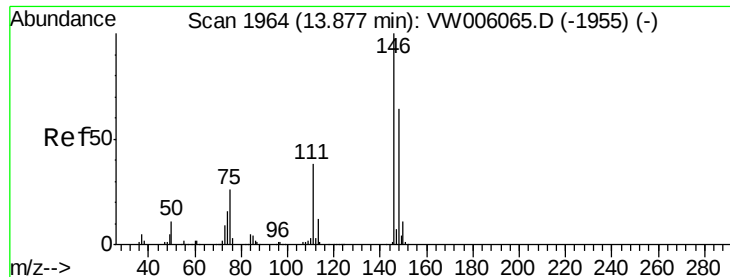
201 93.3 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

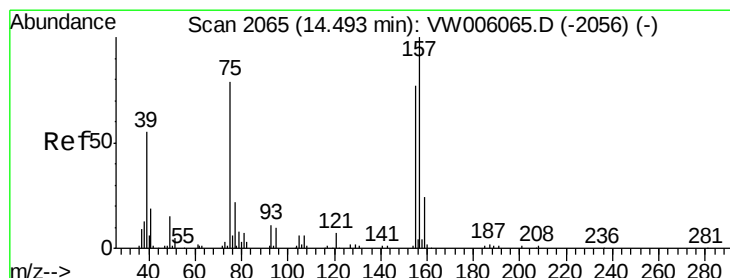
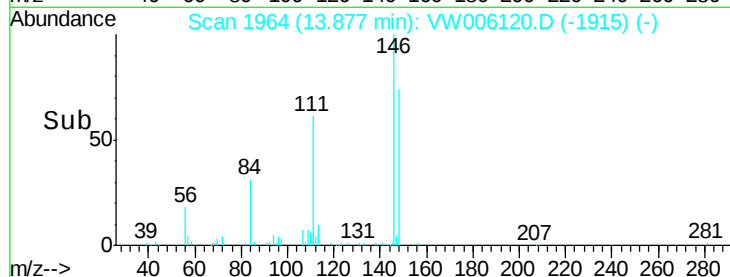
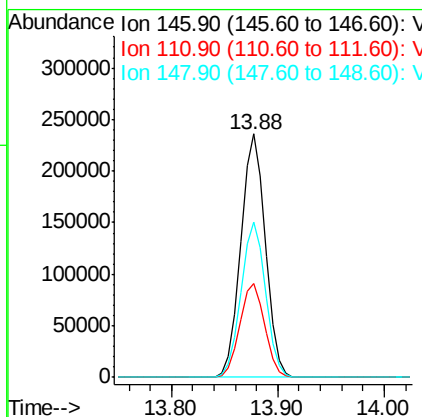
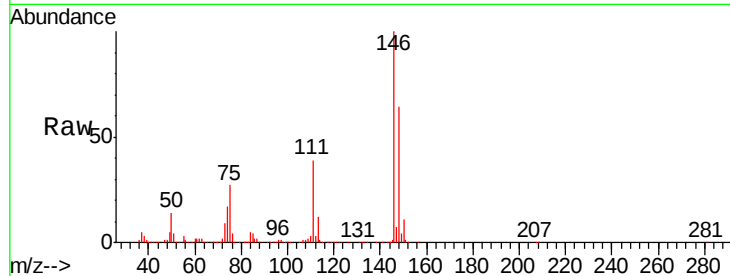




#91
 1,2-Dichlorobenzene
 Concen: 54.28 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

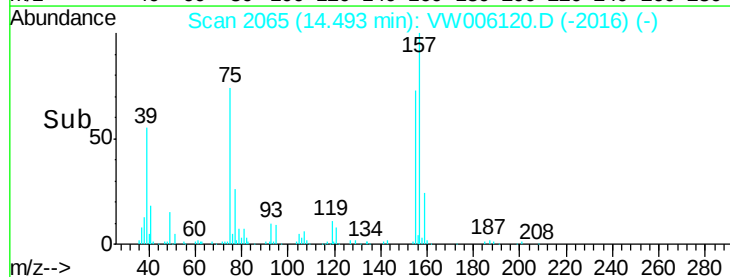
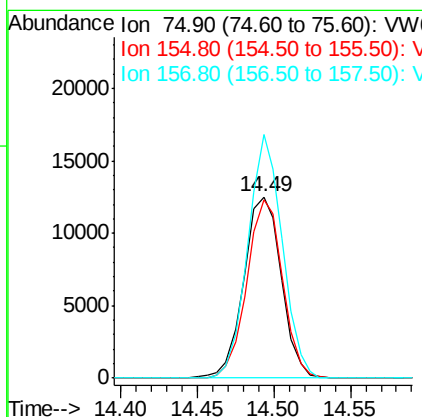
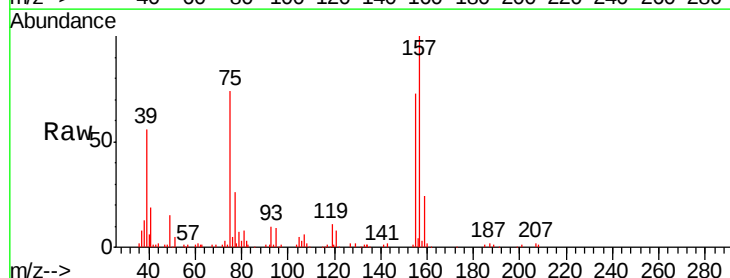
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

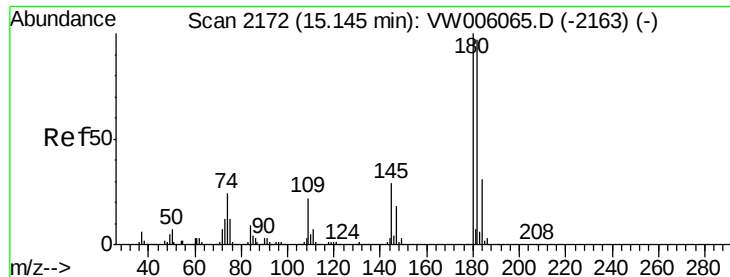
Tgt Ion:146 Resp: 382338
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 63.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.35 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion: 75 Resp: 21328
 Ion Ratio Lower Upper
 75 100
 155 93.7 46.5 139.5
 157 123.6 59.8 179.4

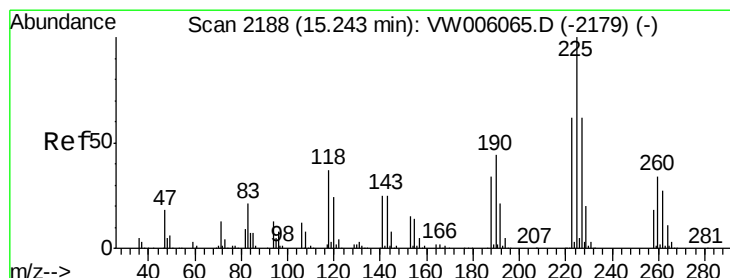
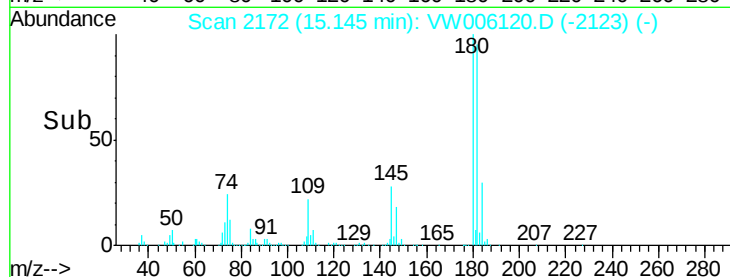
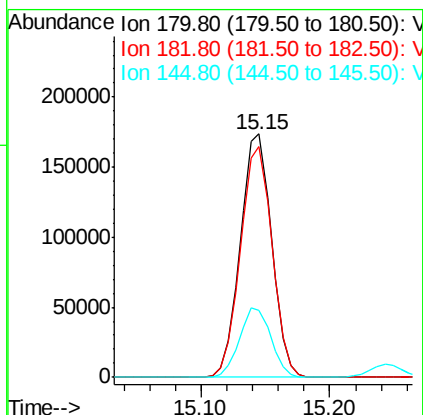
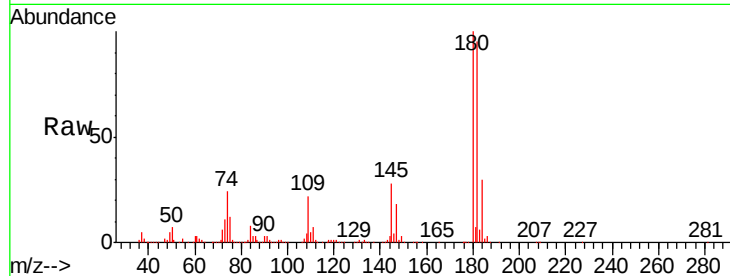




#93
 1,2,4-Trichlorobenzene
 Concen: 53.83 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

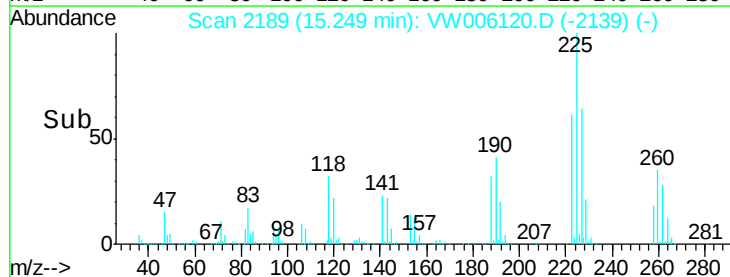
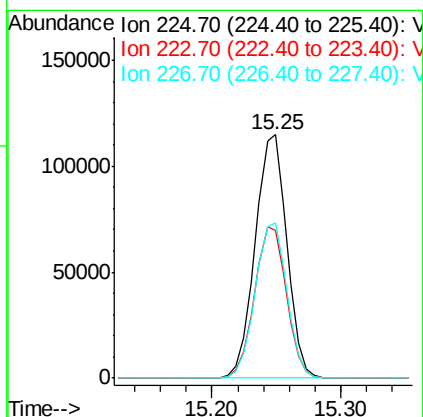
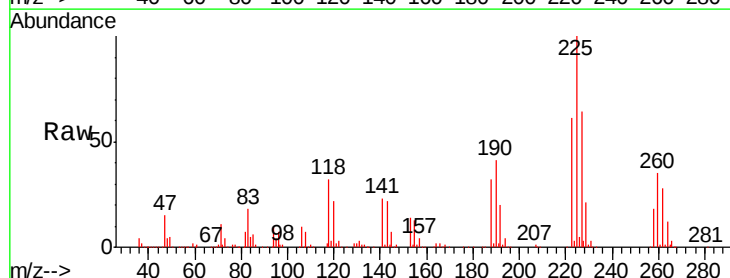
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

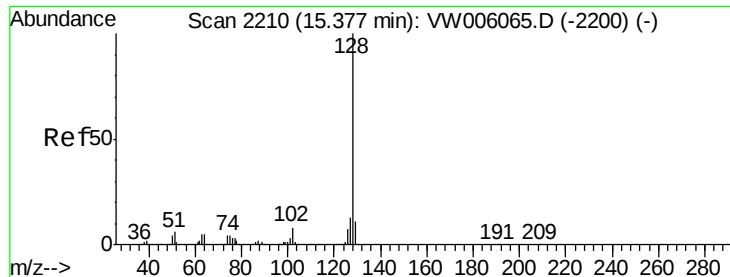
Tgt Ion:180 Resp: 291736
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.6
 145 28.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 56.98 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006120.D
 Acq: 17 Oct 2018 12:12

Tgt Ion:225 Resp: 193985
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 64.0 32.4 97.0

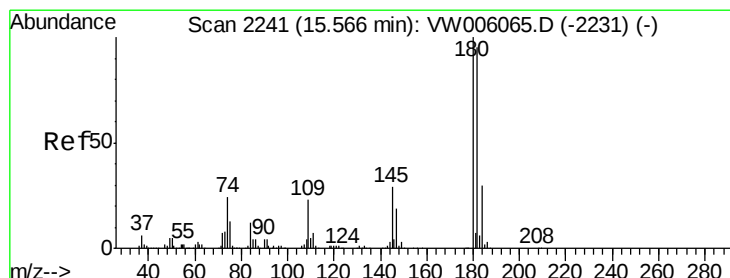
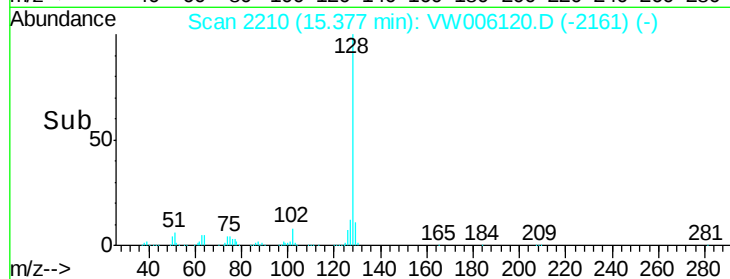
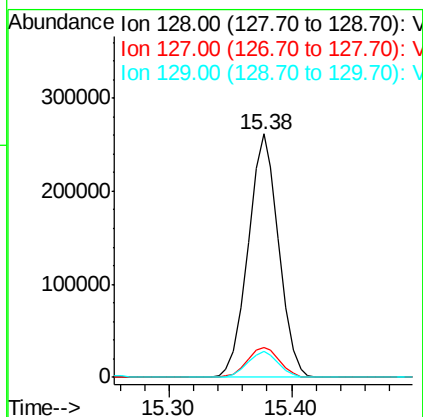
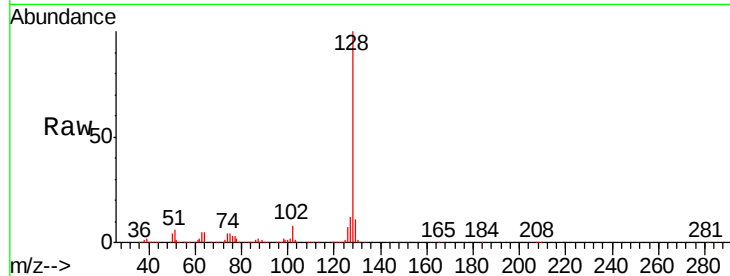




#95
Naphthalene
Concen: 50.08 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 451550
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.11 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006120.D
Acq: 17 Oct 2018 12:12

Tgt Ion:180 Resp: 244304
Ion Ratio Lower Upper
180 100
182 96.1 47.8 143.3
145 30.6 15.0 45.1

