

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
 Data File : VW006759.D
 Acq On : 08 Nov 2018 11:48
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 09 11:12:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	224991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	112060	41.46	ug/l	0.00
Spiked Amount			Recovery	=	82.92%	
35) Dibromofluoromethane	7.88	113	125616	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	10.33	98	487818	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.62	95	173583	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	84715	51.976	ug/l	99
3) Chloromethane	2.21	50	96435	47.820	ug/l	100
4) Vinyl Chloride	2.37	62	148235	52.643	ug/l	99
5) Bromomethane	2.79	94	115610	48.923	ug/l	99
6) Chloroethane	2.93	64	100999	51.335	ug/l	98
7) Trichlorofluoromethane	3.26	101	136935	55.070	ug/l	96
8) Diethyl Ether	3.68	74	57681	42.436	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	147484	55.544	ug/l	100
10) Methyl Iodide	4.26	142	231268	48.036	ug/l	100
11) Tert butyl alcohol	5.23	59	29700	203.961	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	134296	52.366	ug/l	98
13) Acrolein	3.90	56	39632	216.396	ug/l	99
14) Allyl chloride	4.67	41	170434	50.913	ug/l	99
15) Acrylonitrile	5.37	53	108829	223.297	ug/l	99
16) Acetone	4.15	43	121542	278.549	ug/l	99
17) Carbon Disulfide	4.37	76	385063	52.763	ug/l	100
18) Methyl Acetate	4.68	43	52740	42.034	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	164812	43.174	ug/l	98
20) Methylene Chloride	4.91	84	136007	47.839	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	146991	50.653	ug/l	99
22) Diisopropyl ether	6.31	45	333314	47.760	ug/l	99
23) Vinyl Acetate	6.26	43	892290	230.558	ug/l	99
24) 1,1-Dichloroethane	6.21	63	236644	50.032	ug/l	100
25) 2-Butanone	7.18	43	142584	228.999	ug/l	97
26) 2,2-Dichloropropane	7.16	77	163499	57.384	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	159468	49.119	ug/l	99
28) Bromochloromethane	7.51	49	84097	44.777	ug/l	99
29) Tetrahydrofuran	7.54	42	80979	206.776	ug/l	99
30) Chloroform	7.68	83	256284	49.421	ug/l	99
31) Cyclohexane	7.96	56	216902	50.385	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	232656	53.021	ug/l	100
36) 1,1-Dichloropropene	8.08	75	207732	55.228	ug/l	99
37) Ethyl Acetate	7.26	43	57865	44.393	ug/l	99
38) Carbon Tetrachloride	8.07	117	228551	58.151	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	274946	57.601	ug/l	99
40) Benzene	8.32	78	578638	54.161	ug/l	100
41) Methacrylonitrile	7.48	41	34454	43.106	ug/l	95
42) 1,2-Dichloroethane	8.40	62	149124	48.671	ug/l	100
43) Isopropyl Acetate	8.43	43	116406	44.753	ug/l	99
44) Trichloroethene	9.09	130	178364	54.102	ug/l	100
45) 1,2-Dichloropropane	9.37	63	132207	53.174	ug/l	97
46) Dibromomethane	9.46	93	72110	49.339	ug/l	99
47) Bromodichloromethane	9.65	83	178340	52.553	ug/l	98
48) Methyl methacrylate	9.44	41	56106	44.771	ug/l	97
49) 1,4-Dioxane	9.48	88	21046	983.950	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	301723	225.864	ug/l	100
52) Toluene	10.39	92	384154	53.610	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	173205	53.033	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	205736	53.307	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101915	49.146	ug/l	95
56) Ethyl methacrylate	10.65	69	109523	46.468	ug/l	98
57) 1,3-Dichloropropane	10.93	76	165458	49.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	268929	234.720	ug/l	100
59) 2-Hexanone	10.97	43	220171	242.665	ug/l	99
60) Dibromochloromethane	11.13	129	127455	51.875	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99177	48.160	ug/l	99
64) Tetrachloroethene	10.87	164	160292	51.885	ug/l	99
65) Chlorobenzene	11.66	112	440140	53.970	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	156603	54.633	ug/l	100
67) Ethyl Benzene	11.74	91	763801	56.033	ug/l	100
68) m/p-Xylenes	11.84	106	614701	112.872	ug/l	100
69) o-Xylene	12.17	106	285842	55.132	ug/l	100
70) Styrene	12.18	104	467752	55.337	ug/l	100
71) Bromoform	12.35	173	79038	52.017	ug/l #	99
73) Isopropylbenzene	12.47	105	821320	55.415	ug/l	100
74) N-amyl acetate	12.27	43	115587	45.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	110997	47.416	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	144661	82.407	ug/l #	100
77) Bromobenzene	12.75	156	195270	50.886	ug/l	99
78) n-propylbenzene	12.81	91	963353	56.509	ug/l	100
79) 2-Chlorotoluene	12.90	91	527233	53.889	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	687795	55.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	33570	49.550	ug/l	95
82) 4-Chlorotoluene	12.99	91	558680	53.975	ug/l	100
83) tert-Butylbenzene	13.21	119	624980	56.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	695792	54.479	ug/l	99
85) sec-Butylbenzene	13.39	105	891624	57.332	ug/l	100
86) p-Isopropyltoluene	13.51	119	817139	57.744	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	405434	53.648	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	399626	53.346	ug/l	100
89) n-Butylbenzene	13.83	91	740387	58.940	ug/l	100
90) Hexachloroethane	14.10	117	136742	58.794	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	352184	51.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16759	44.121	ug/l	98

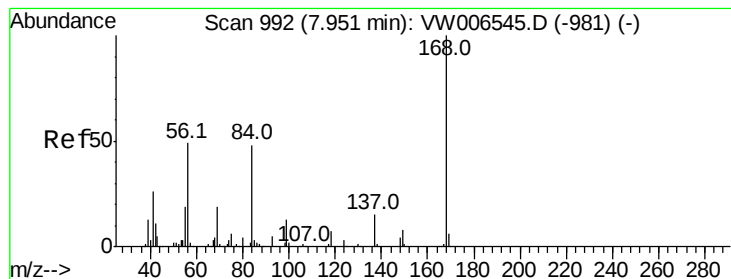
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	267173	52.856	ug/l	100
94) Hexachlorobutadiene	15.24	225	181557	57.630	ug/l	99
95) Naphthalene	15.38	128	393357	48.419	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	227091	51.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

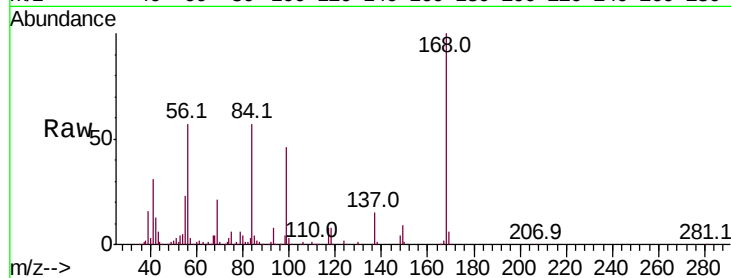
VSTDCCC050

Tot Ion:168 Resp: 314409

Ion Ratio Lower Upper

168 100

99 46.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

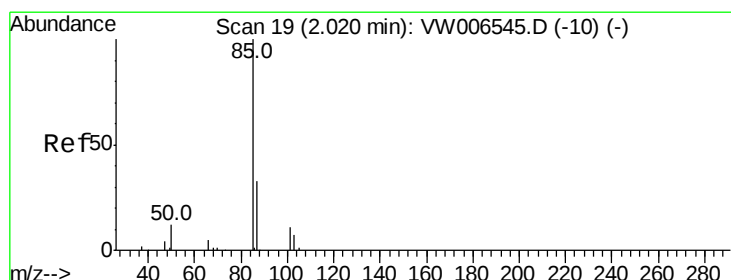
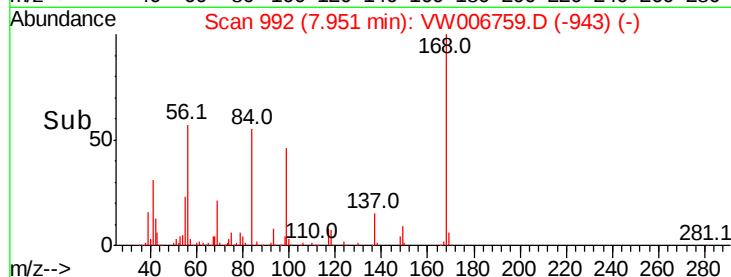
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50000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.976 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006759.D

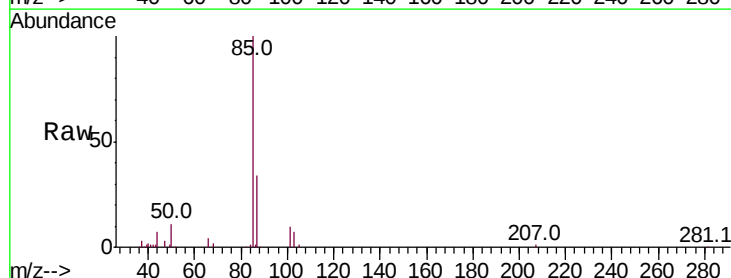
Acq: 08 Nov 2018 11:48

Tgt Ion: 85 Resp: 84715

Ion Ratio Lower Upper

85 100

87 34.3 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

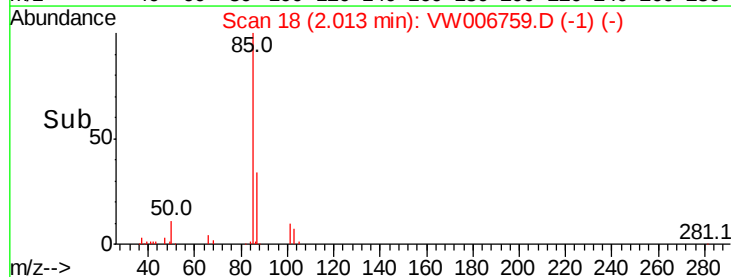
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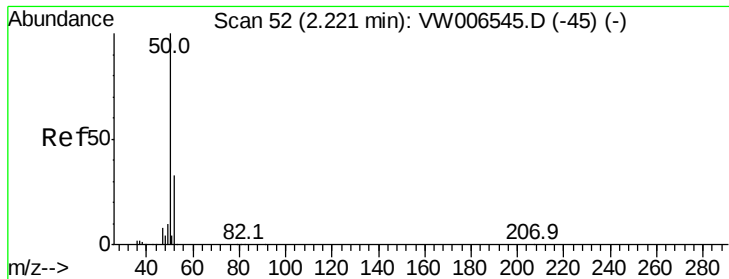
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 47.820 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

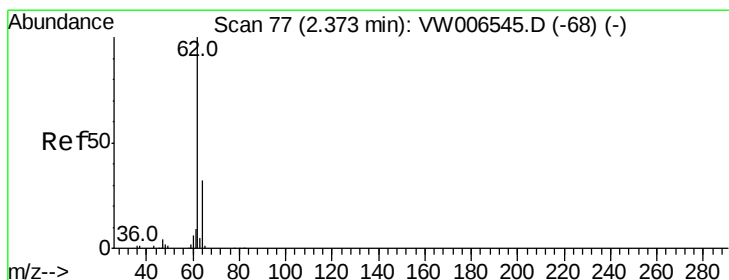
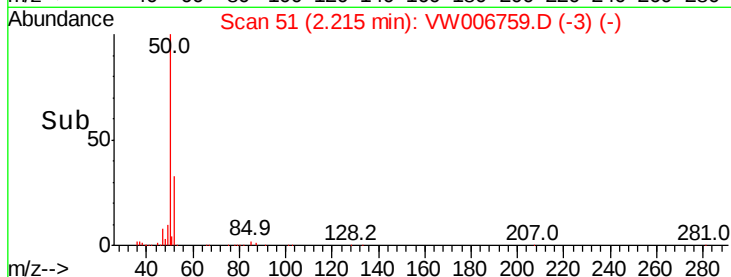
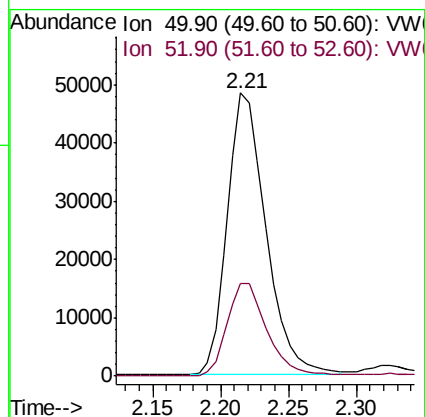
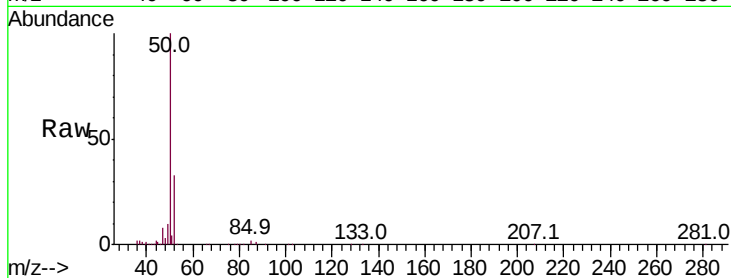
VSTDCCC050

Tot Ion: 50 Resp: 96435

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4



#4

Vinyl Chloride

Concen: 52.643 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006759.D

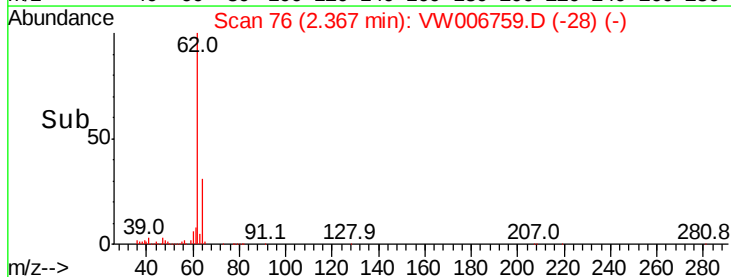
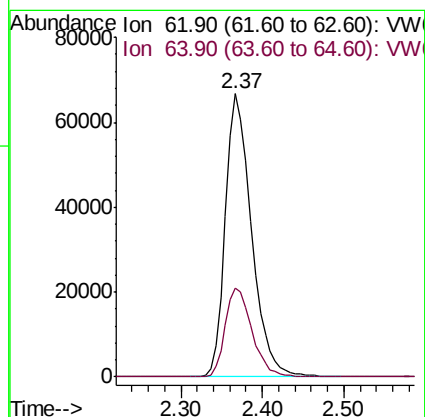
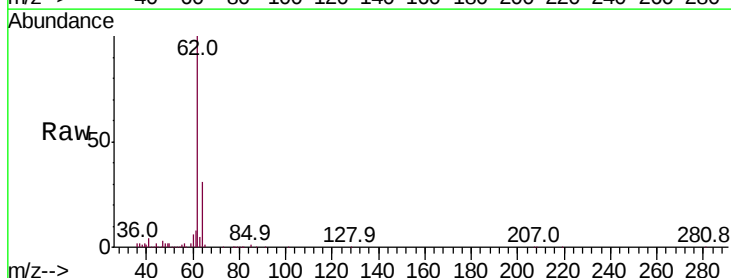
Acq: 08 Nov 2018 11:48

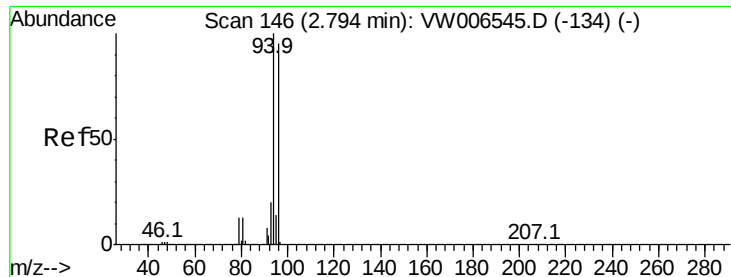
Tgt Ion: 62 Resp: 148235

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 48.923 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

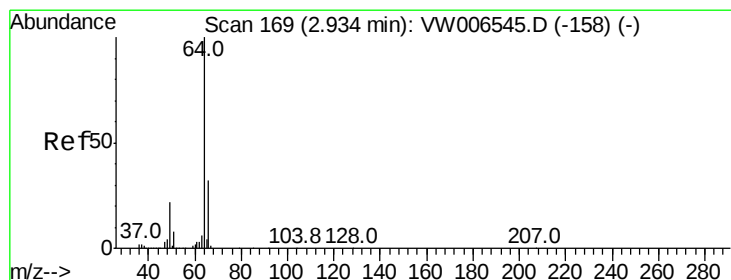
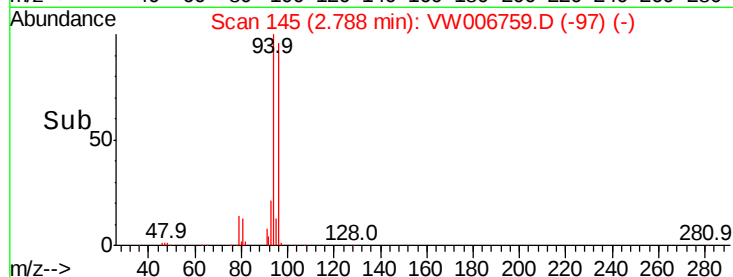
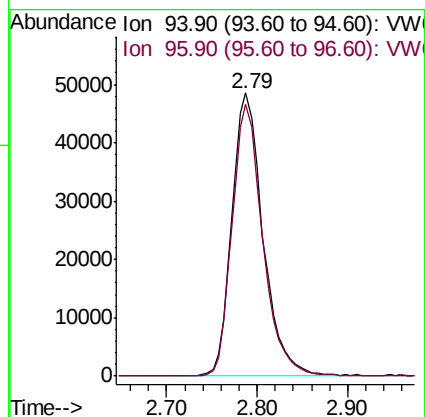
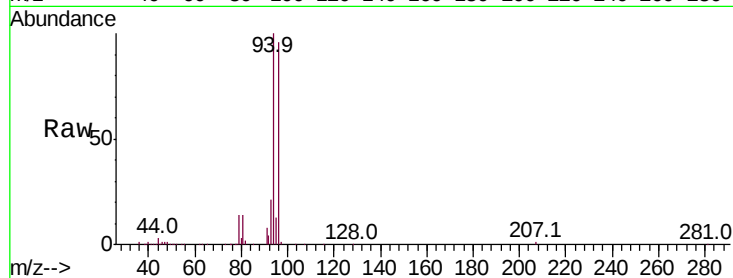
VSTDCCC050

Tot Ion: 94 Resp: 115610

Ion Ratio Lower Upper

94 100

96 95.5 75.7 113.5



#6

Chloroethane

Concen: 51.335 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006759.D

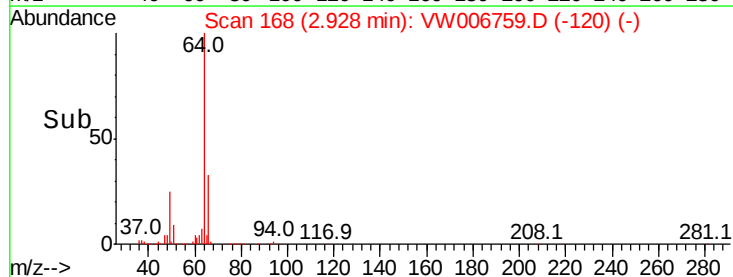
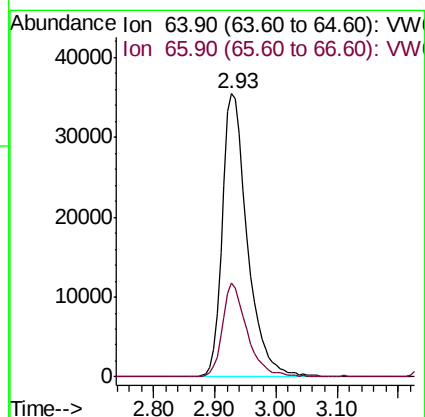
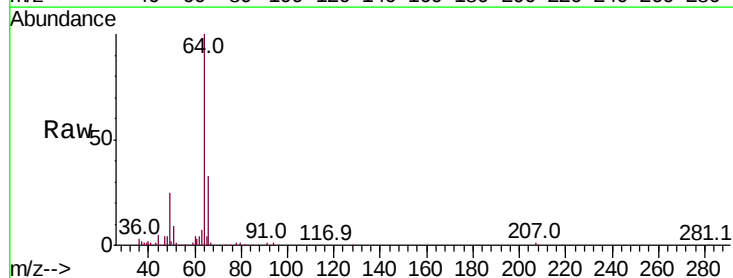
Acq: 08 Nov 2018 11:48

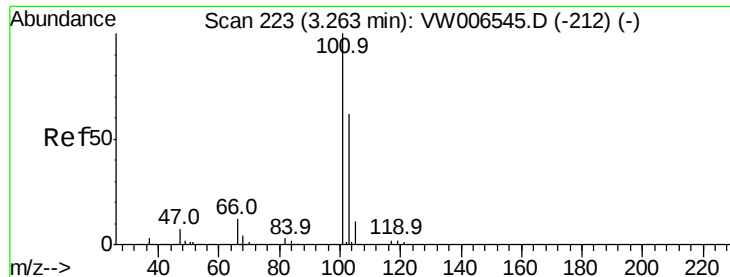
Tgt Ion: 64 Resp: 100999

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9



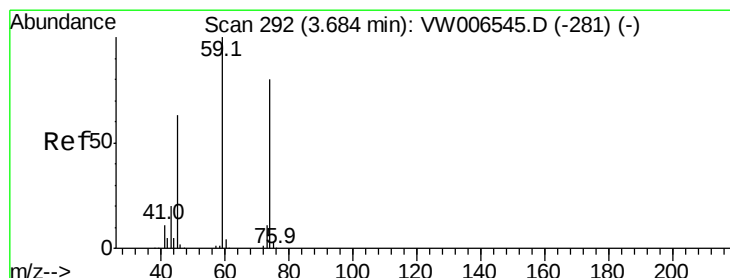
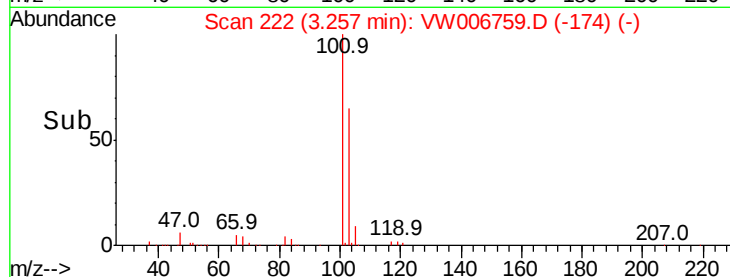
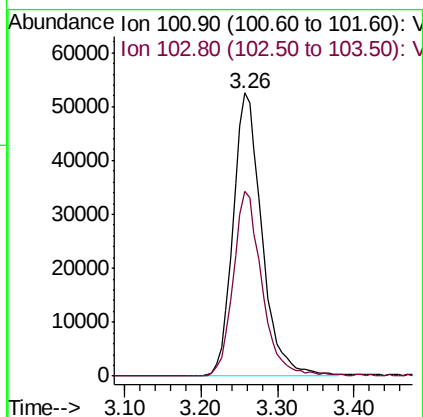
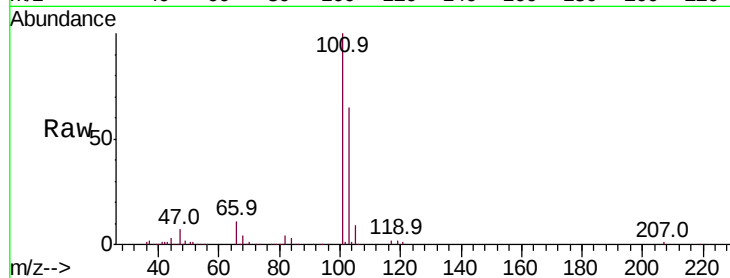


#7

Trichlorofluoromethane
 Concen: 55.070 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006759.D
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 VSTDCCC050

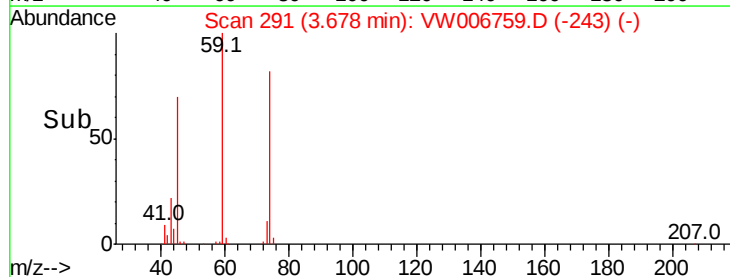
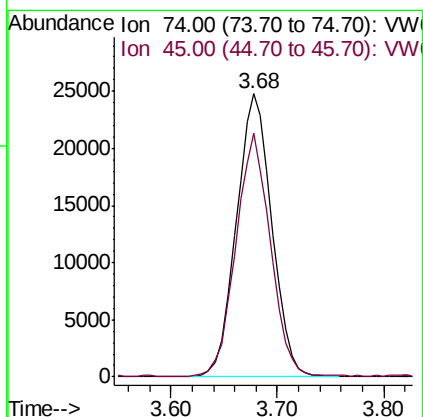
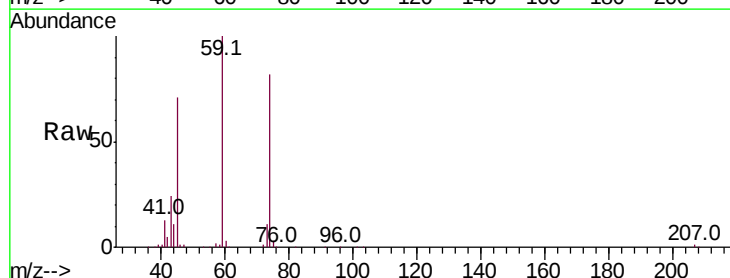
Tot Ion:101 Resp: 136935
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.8 74.8

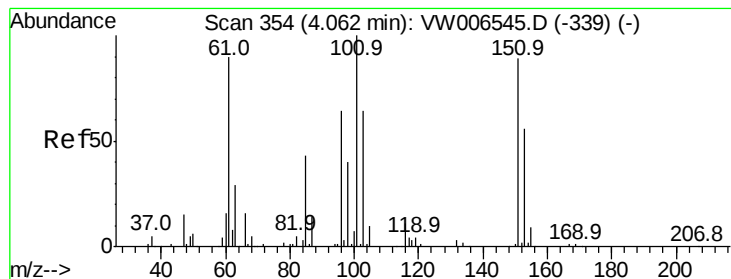


#8

Diethyl Ether
 Concen: 42.436 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Tgt Ion: 74 Resp: 57681
 Ion Ratio Lower Upper
 74 100
 45 84.9 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.544 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

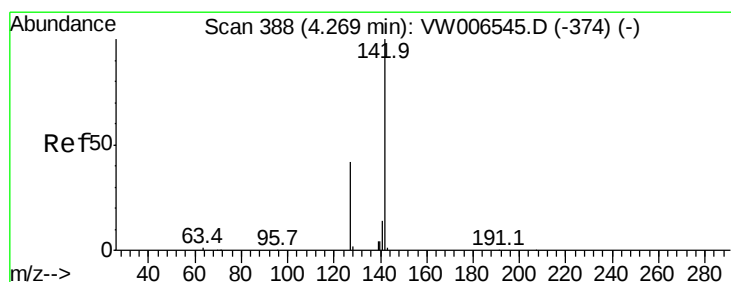
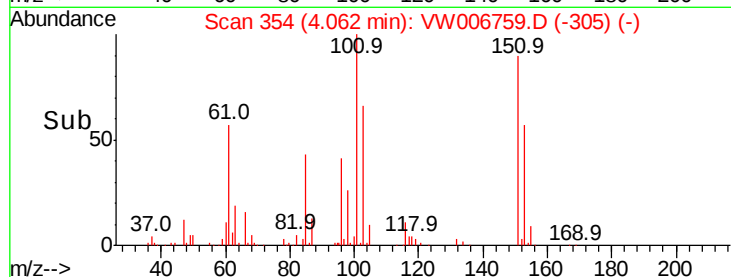
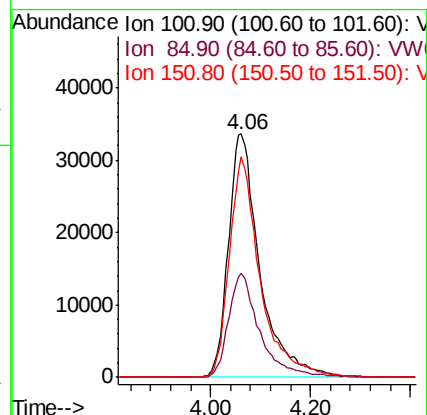
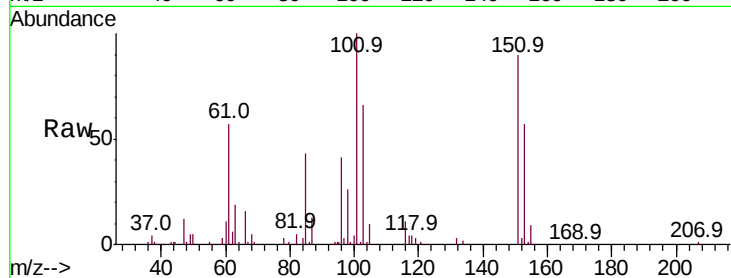
Tot Ion:101 Resp: 147484

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

151 88.6 70.7 106.1



#10

Methyl Iodide

Concen: 48.036 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

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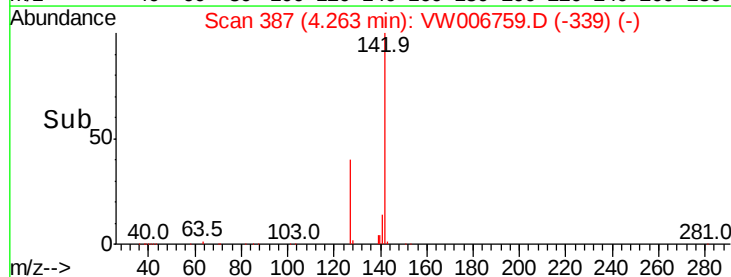
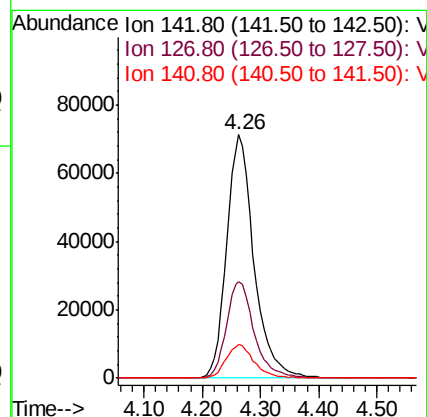
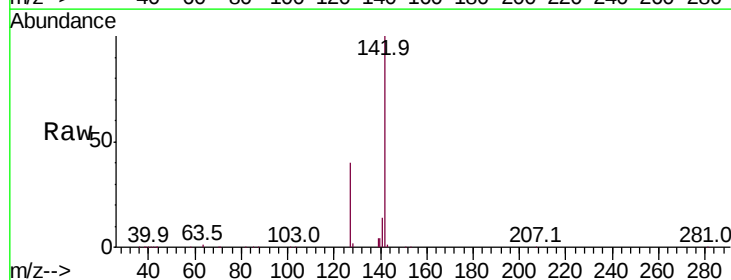
Tgt Ion:142 Resp: 231268

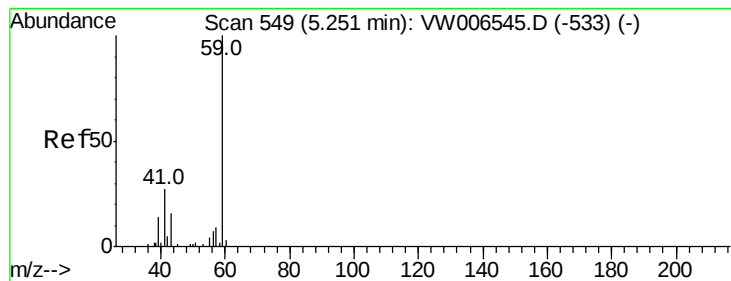
Ion Ratio Lower Upper

142 100

127 40.4 32.3 48.5

141 14.2 11.3 16.9



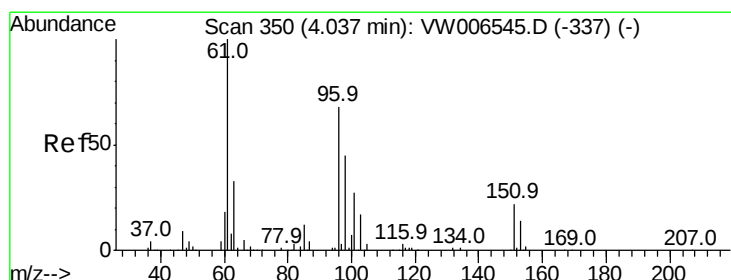
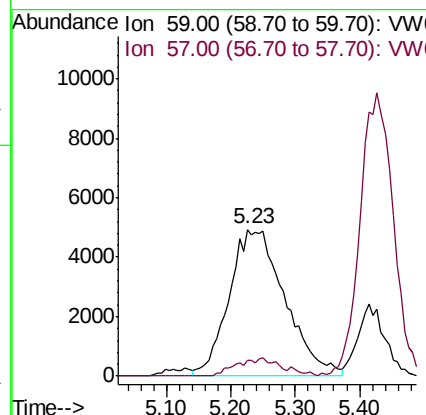
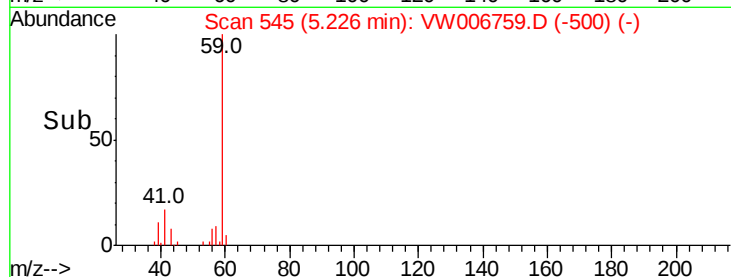
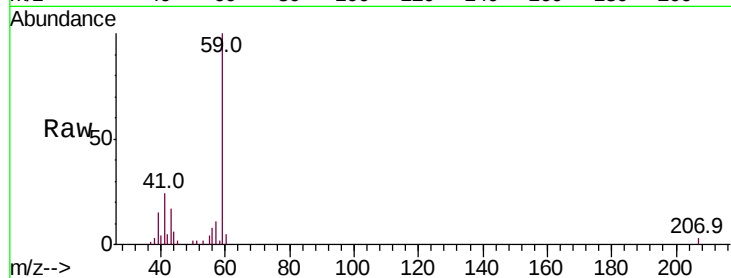


#11

Tert butyl alcohol
Concen: 203.961 ug/l
RT: 5.23 min Scan# 545
Delta R.T. -0.02 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

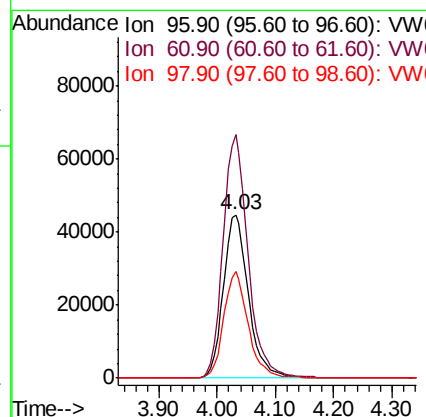
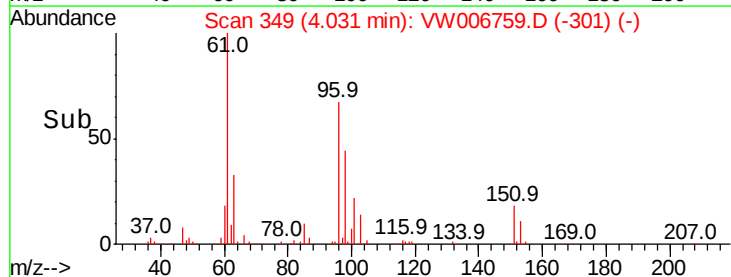
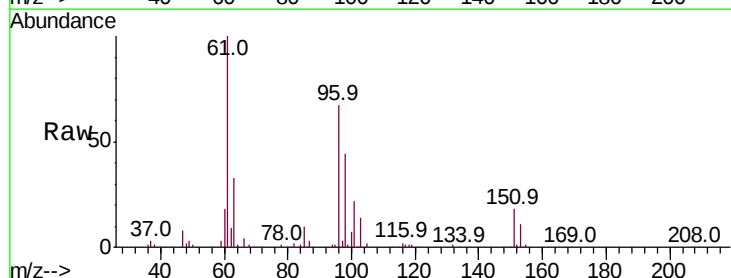
Tot Ion: 59 Resp: 29700
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

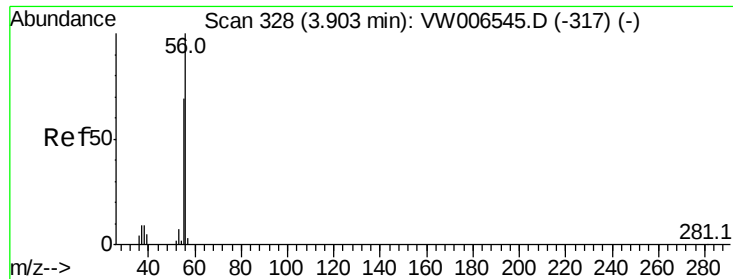


#12

1,1-Dichloroethene
Concen: 52.366 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 96 Resp: 134296
Ion Ratio Lower Upper
96 100
61 149.1 117.0 175.4
98 65.2 52.5 78.7





#13

Acrolein

Concen: 216.396 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

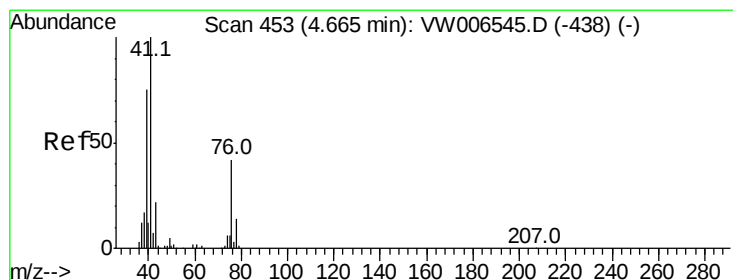
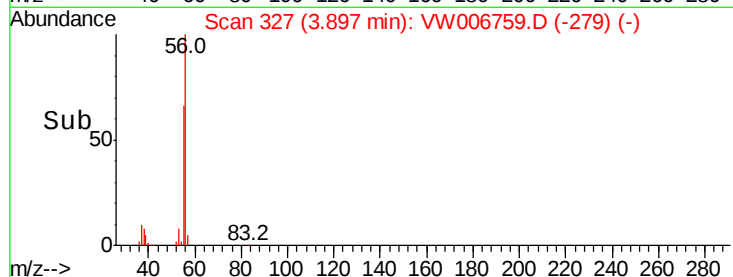
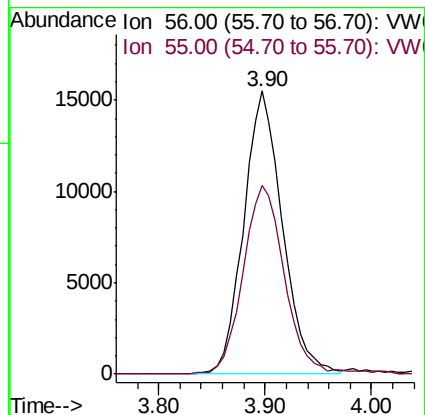
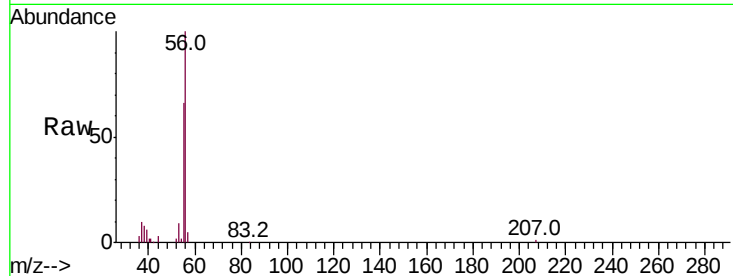
VSTDCCC050

Tot Ion: 56 Resp: 39632

Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3



#14

Allyl chloride

Concen: 50.913 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

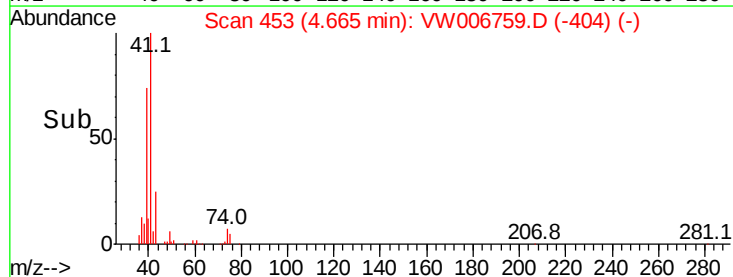
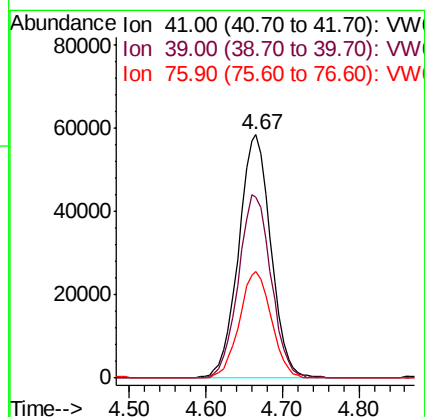
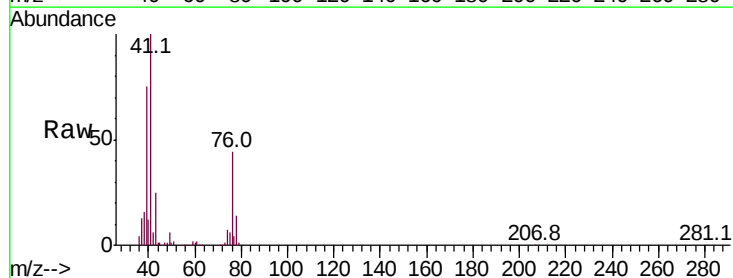
Tgt Ion: 41 Resp: 170434

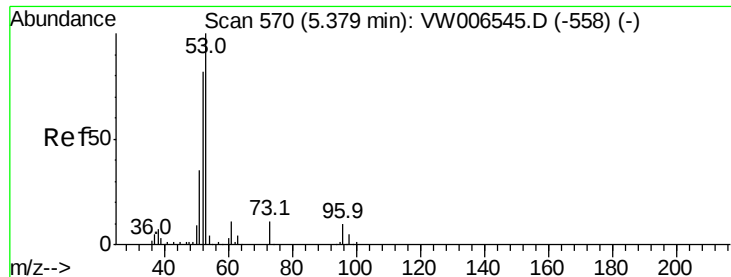
Ion Ratio Lower Upper

41 100

39 76.6 62.1 93.1

76 43.7 34.2 51.2





#15

Acrylonitrile

Concen: 223.297 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

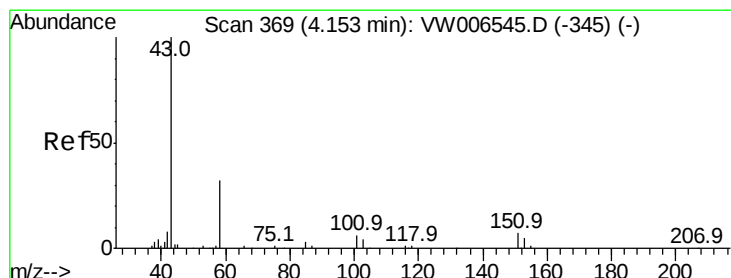
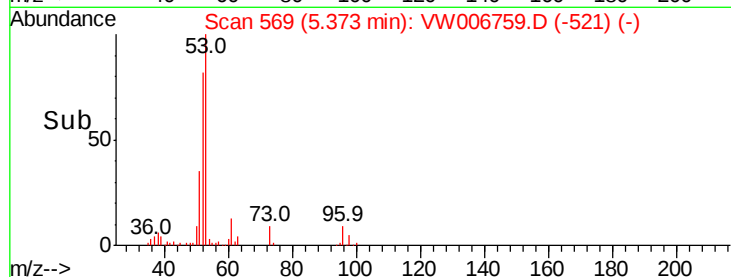
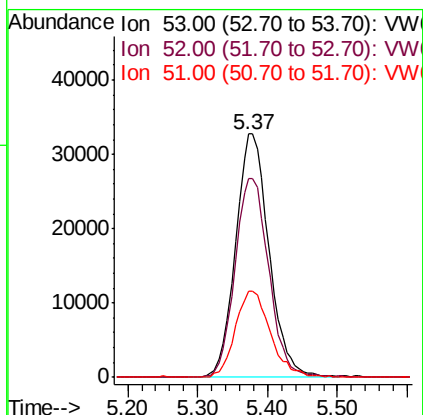
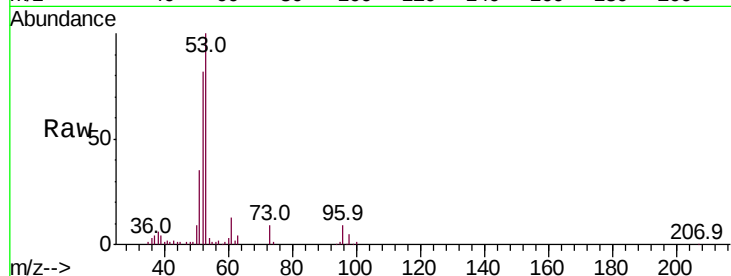
Tot Ion: 53 Resp: 108829

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.8

51 37.4 29.6 44.4



#16

Acetone

Concen: 278.549 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006759.D

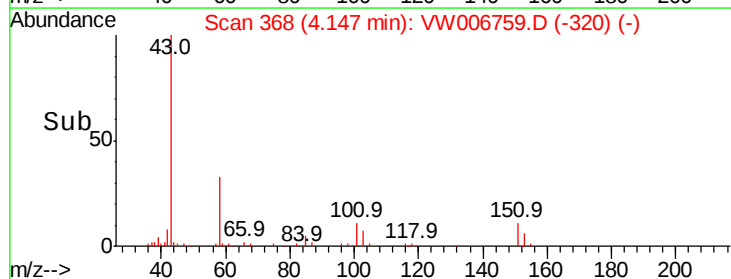
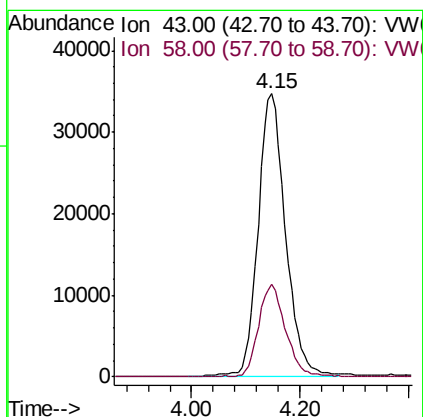
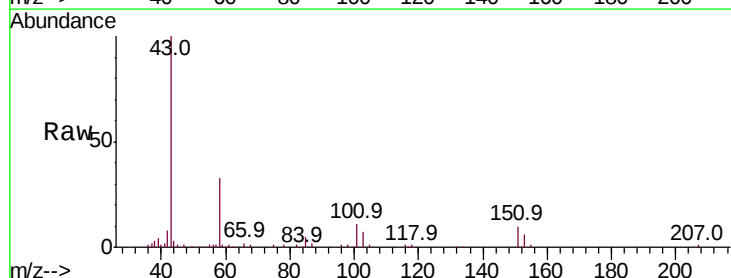
Acq: 08 Nov 2018 11:48

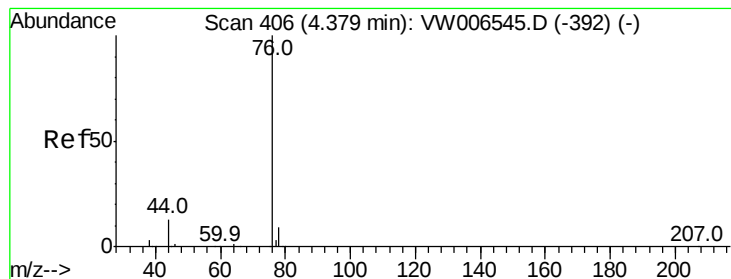
Tgt Ion: 43 Resp: 121542

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.8





#17

Carbon Disulfide

Concen: 52.763 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

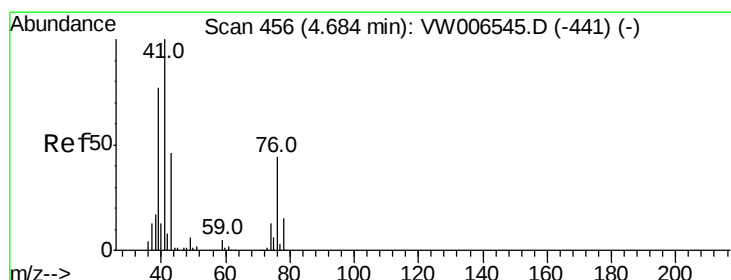
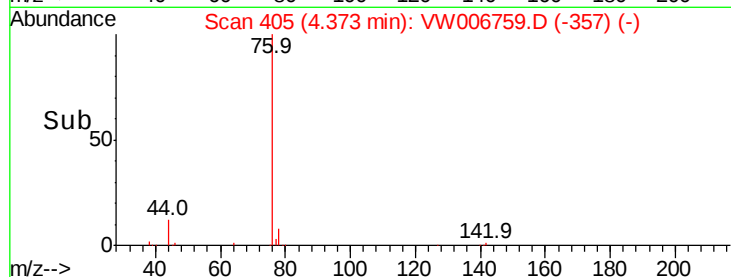
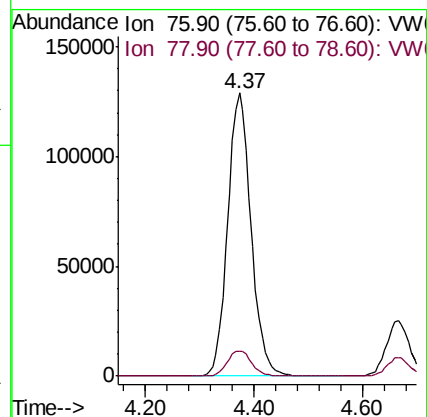
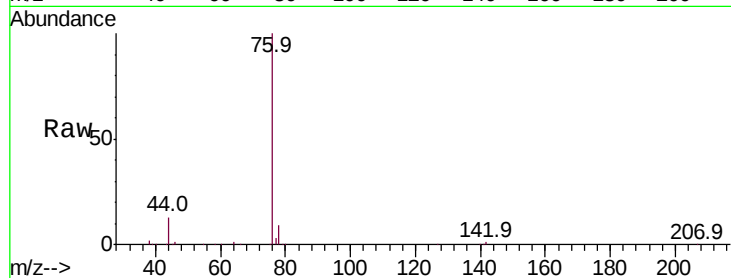
VSTDCCC050

Tot Ion: 76 Resp: 385063

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

Methyl Acetate

Concen: 42.034 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006759.D

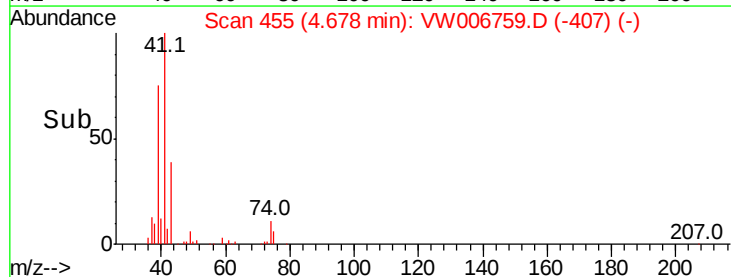
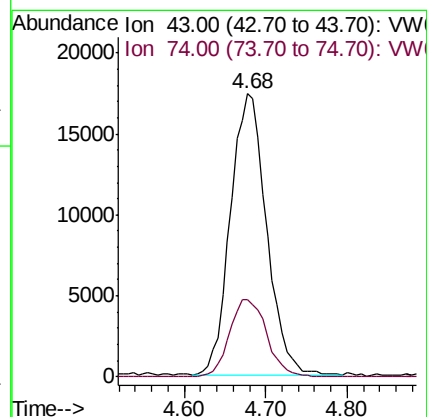
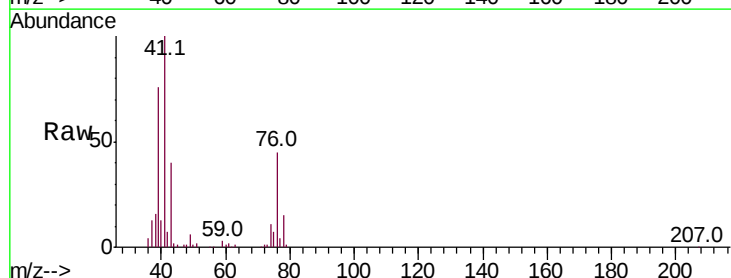
Acq: 08 Nov 2018 11:48

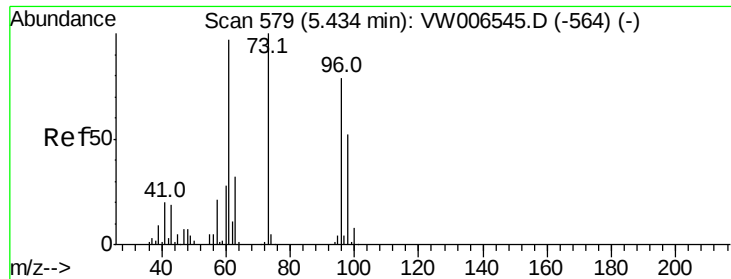
Tgt Ion: 43 Resp: 52740

Ion Ratio Lower Upper

43 100

74 28.5 21.9 32.9

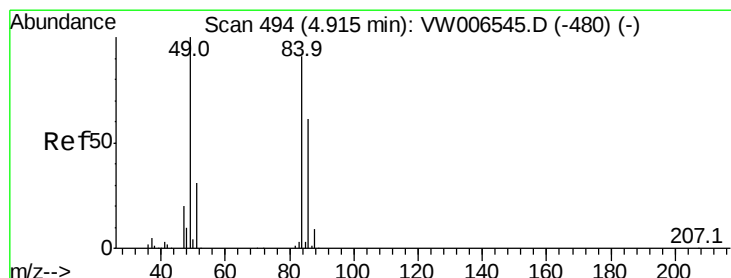
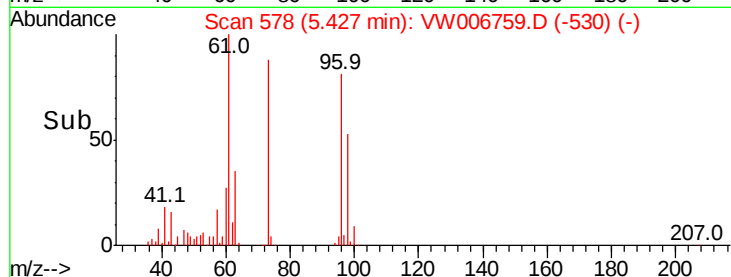
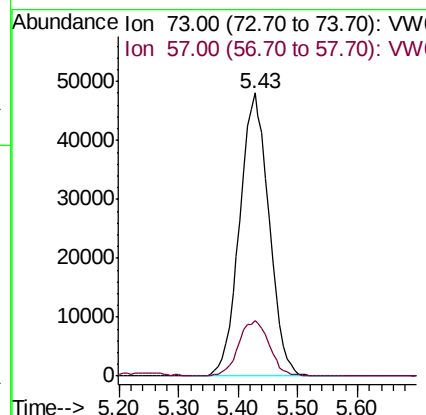
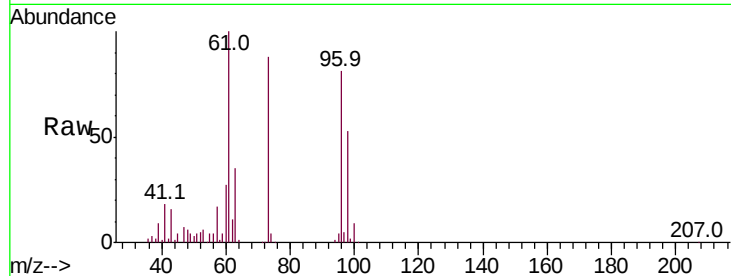




#19
Methyl tert-butyl Ether
Concen: 43.174 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

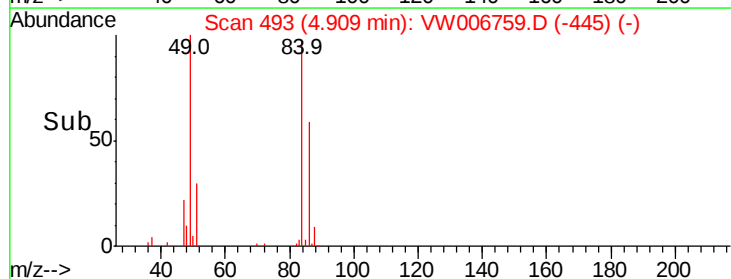
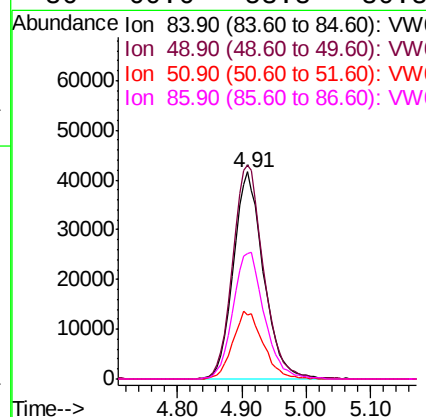
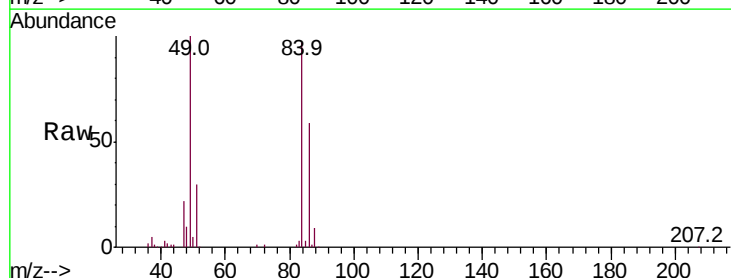
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

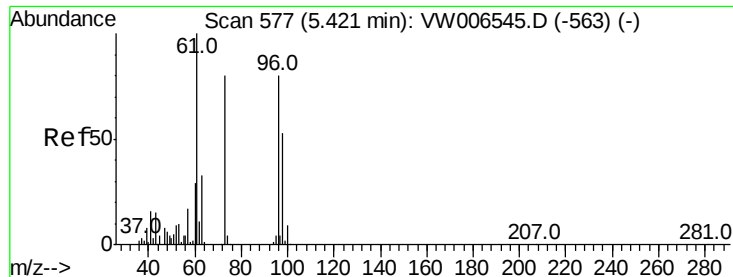
Tot Ion: 73 Resp: 164812
Ion Ratio Lower Upper
73 100
57 19.8 16.7 25.1



#20
Methylene Chloride
Concen: 47.839 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 84 Resp: 136007
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.4
51 30.8 27.0 40.6
86 60.6 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 50.653 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

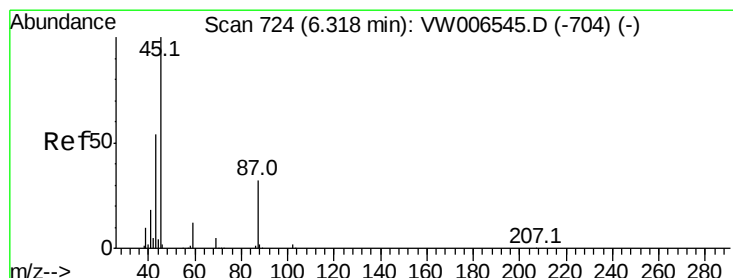
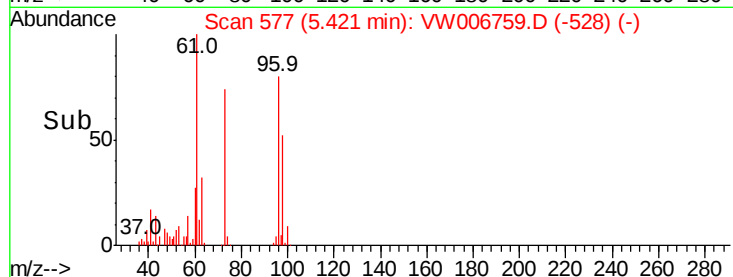
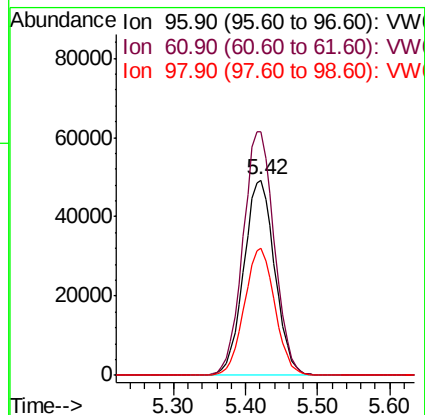
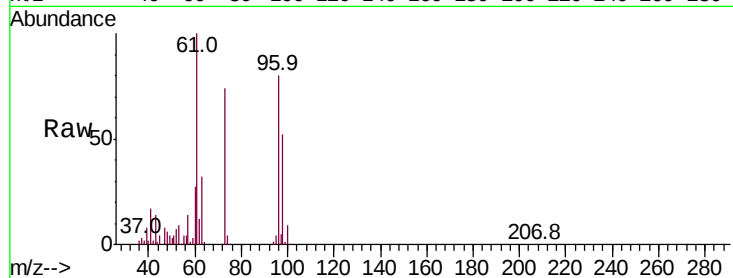
Tot Ion: 96 Resp: 146991

Ion Ratio Lower Upper

96 100

61 124.7 100.6 150.8

98 65.4 52.9 79.3



#22

Diisopropyl ether

Concen: 47.760 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Tgt Ion: 45 Resp: 333314

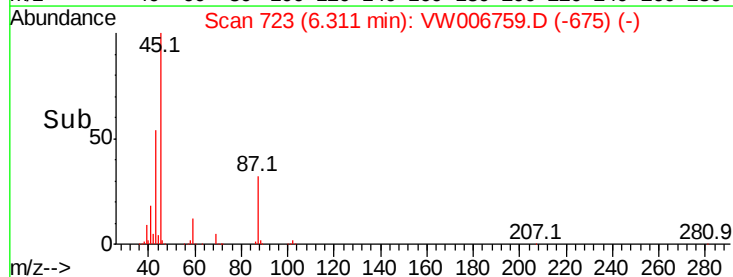
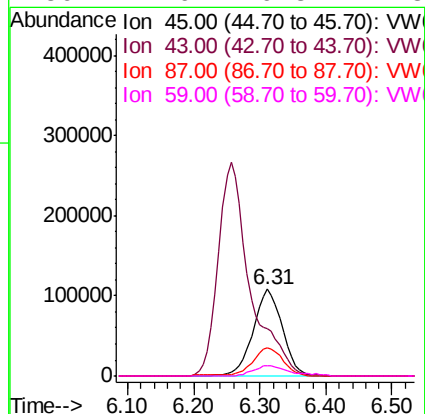
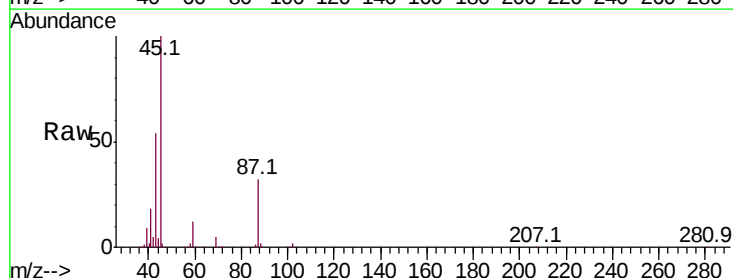
Ion Ratio Lower Upper

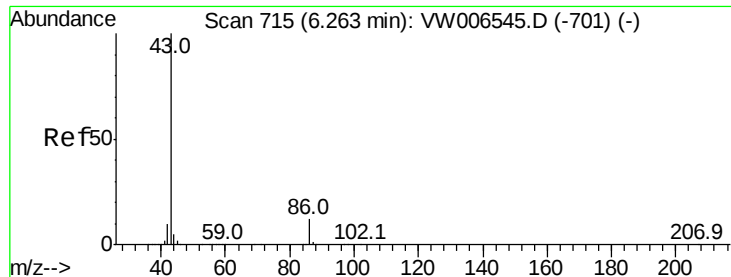
45 100

43 53.6 43.6 65.4

87 32.1 26.3 39.5

59 11.6 9.8 14.8





#23

Vinyl Acetate

Concen: 230.558 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

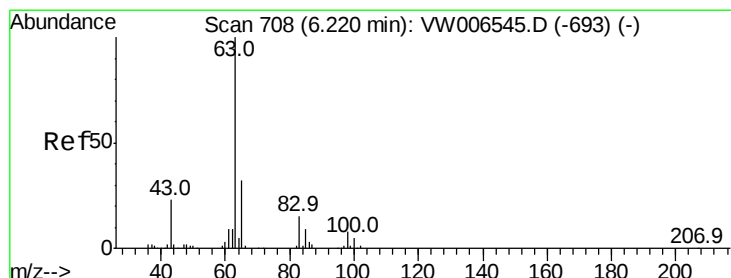
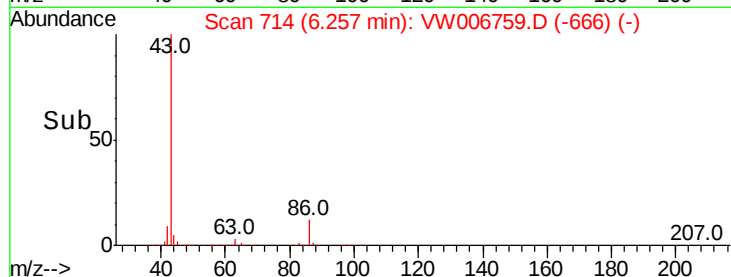
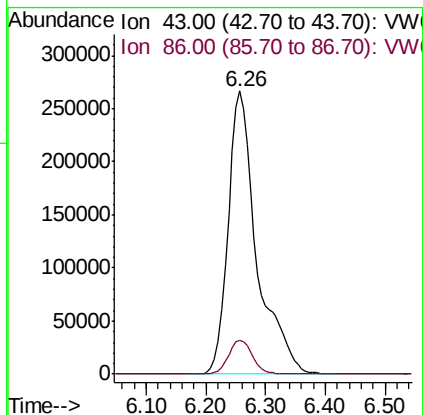
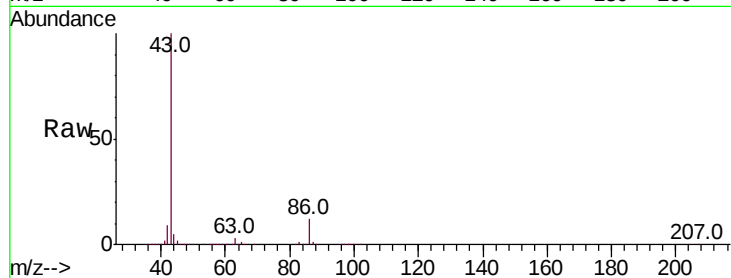
VSTDCCC050

Tot Ion: 43 Resp: 892290

Ion Ratio Lower Upper

43 100

86 12.1 9.8 14.8



#24

1,1-Dichloroethane

Concen: 50.032 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

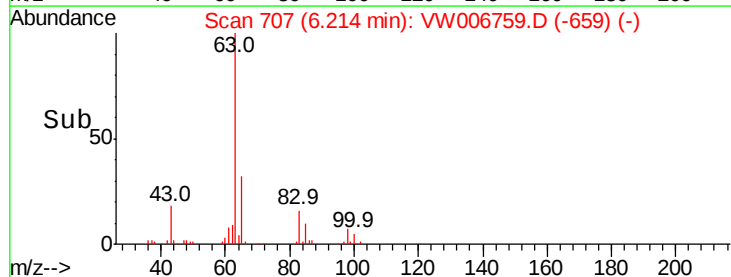
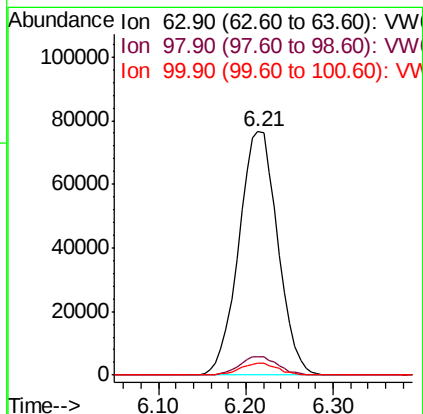
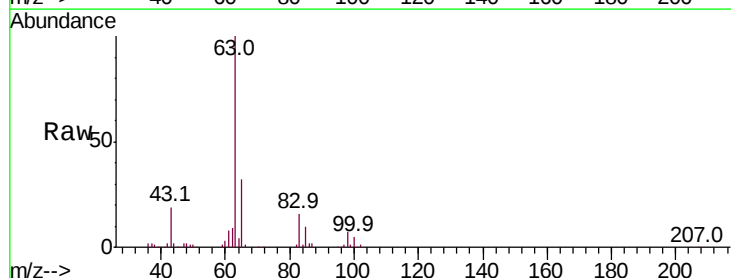
Tgt Ion: 63 Resp: 236644

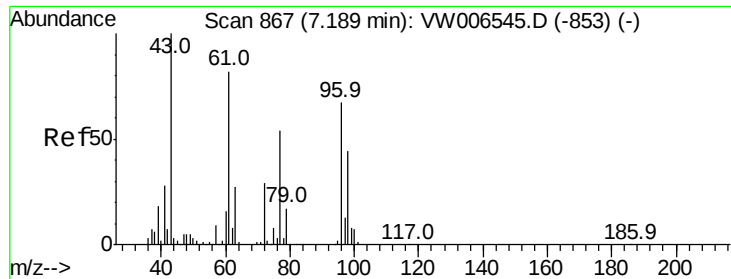
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 228.999 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

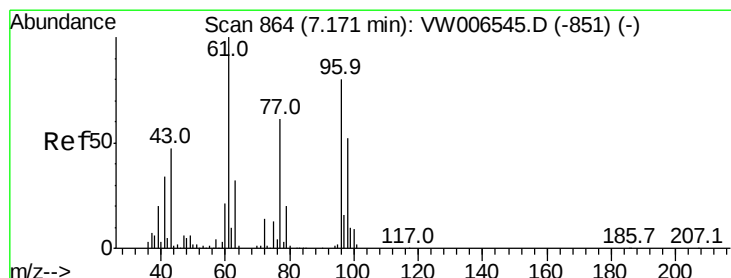
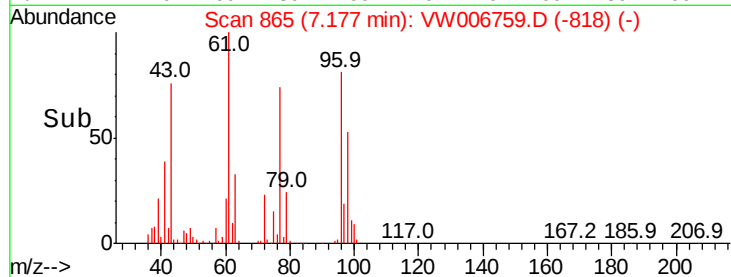
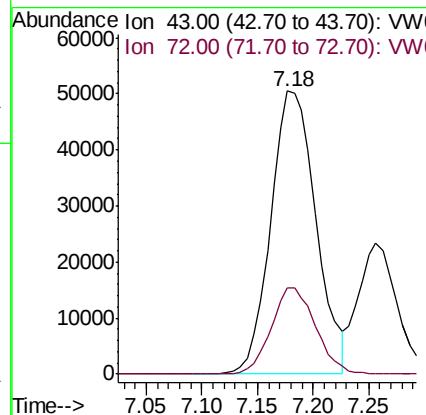
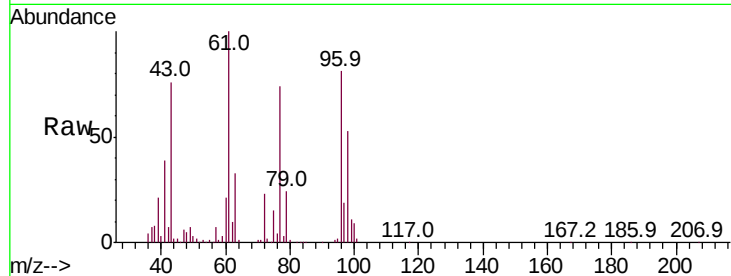
VSTDCCC050

Tot Ion: 43 Resp: 142584

Ion Ratio Lower Upper

43 100

72 30.5 23.2 34.8



#26

2,2-Dichloropropane

Concen: 57.384 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006759.D

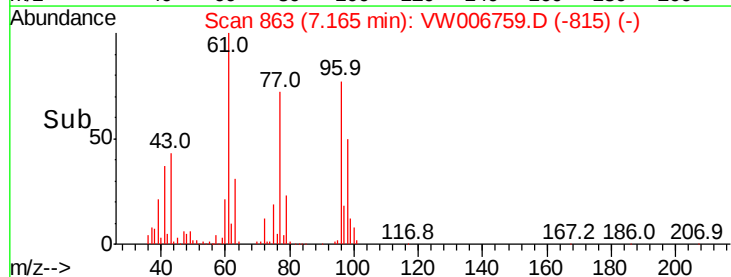
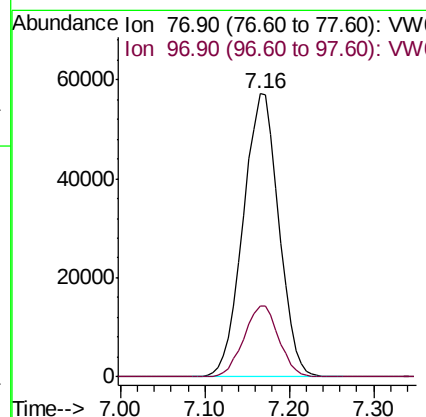
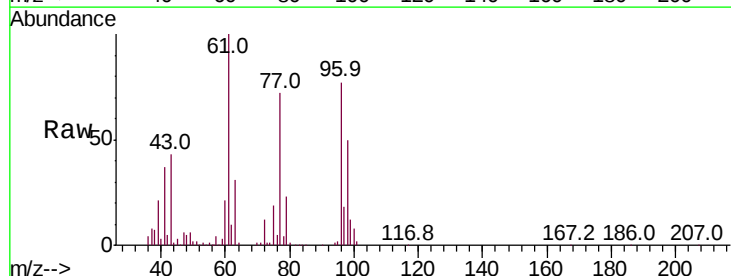
Acq: 08 Nov 2018 11:48

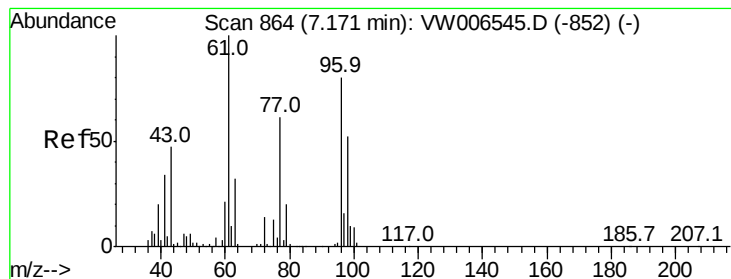
Tgt Ion: 77 Resp: 163499

Ion Ratio Lower Upper

77 100

97 24.6 12.8 38.4



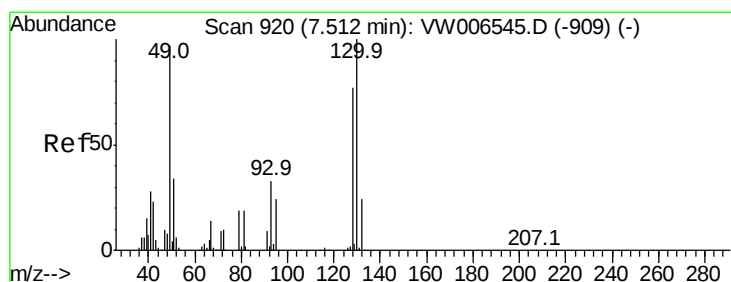
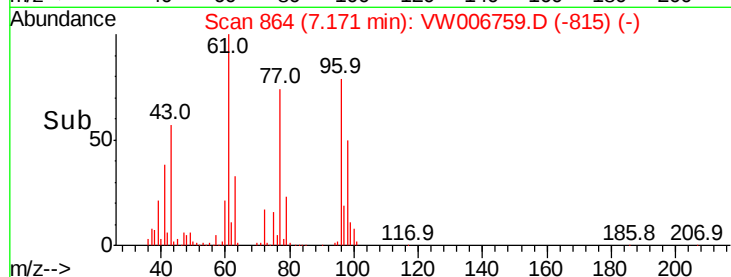
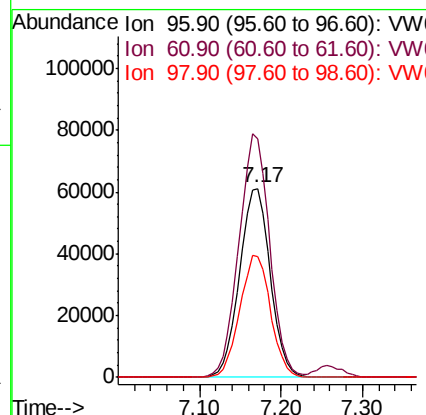
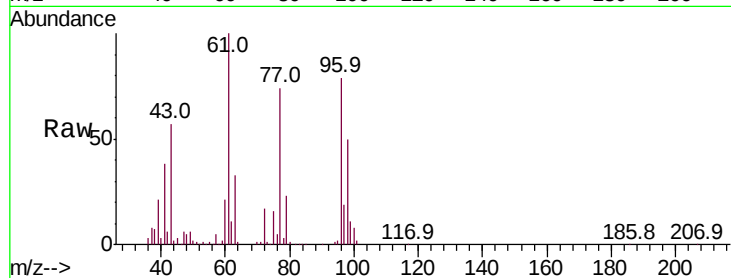


#27

cis-1,2-Dichloroethene
Concen: 49.119 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

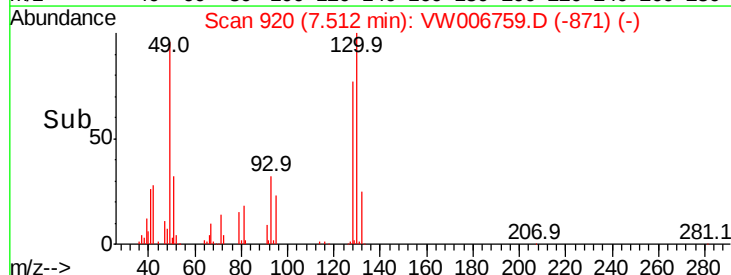
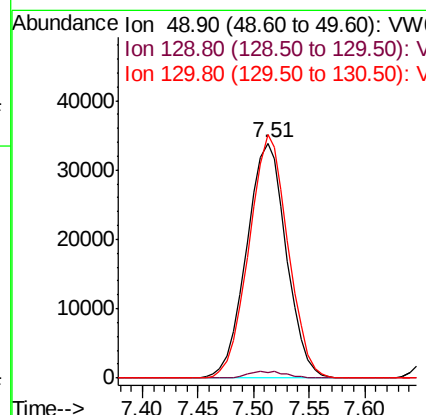
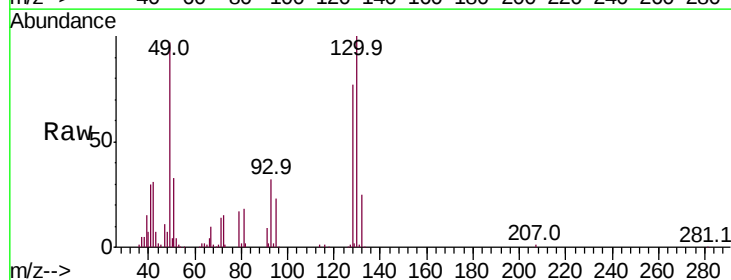
Tot Ion: 96 Resp: 159468
Ion Ratio Lower Upper
96 100
61 129.2 0.0 254.2
98 64.6 0.0 129.6

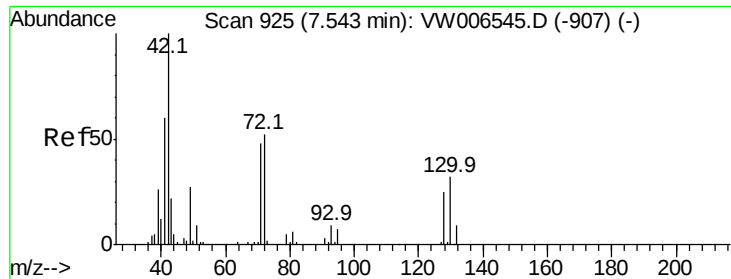


#28

Bromochloromethane
Concen: 44.777 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 49 Resp: 84097
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 101.8 82.2 123.2

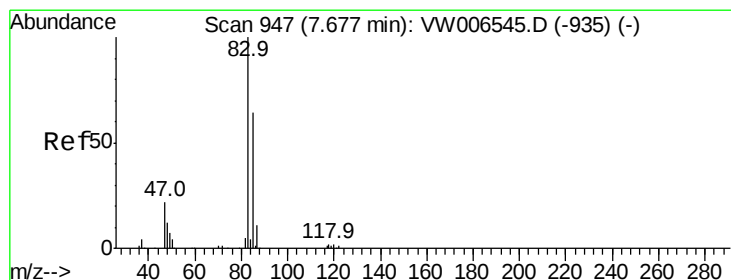
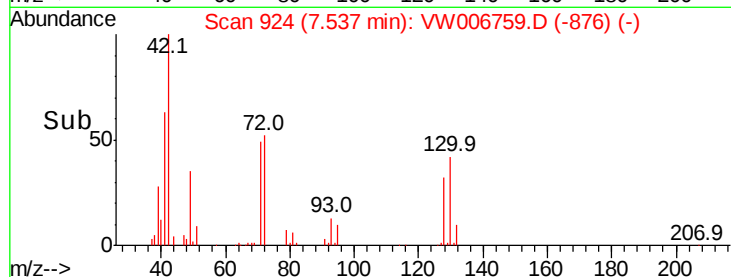
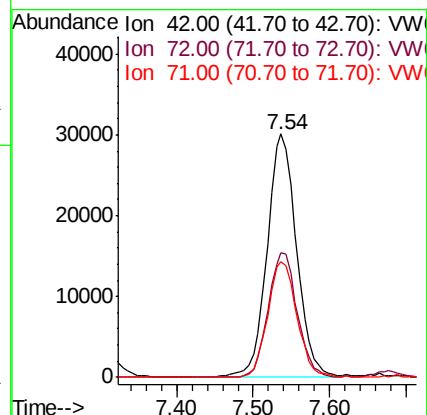
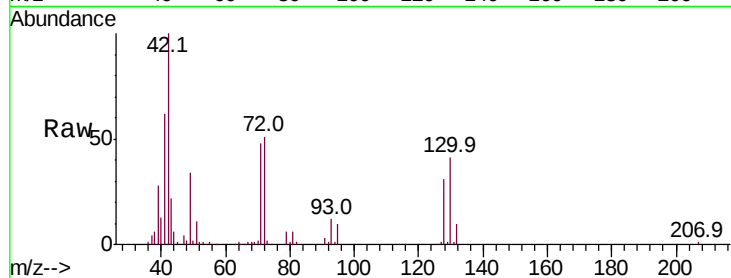




#29
Tetrahydrofuran
Concen: 206.776 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

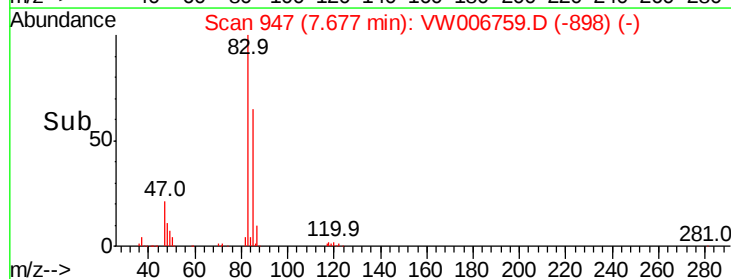
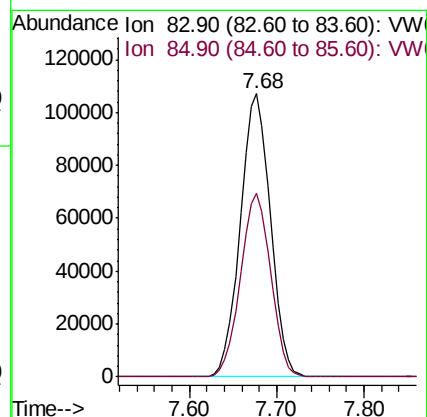
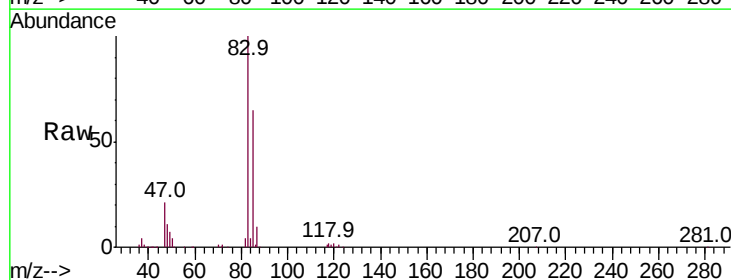
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

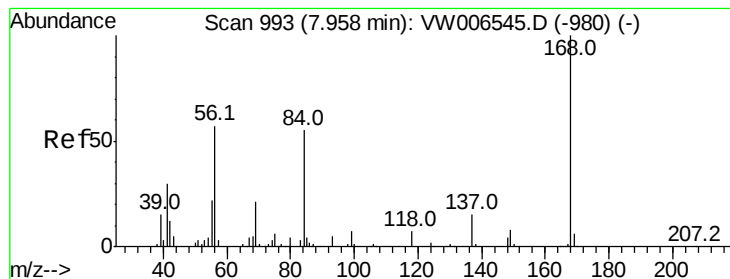
Tot Ion: 42 Resp: 80979
Ion Ratio Lower Upper
42 100
72 50.6 39.2 58.8
71 47.3 37.6 56.4



#30
Chloroform
Concen: 49.421 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 83 Resp: 256284
Ion Ratio Lower Upper
83 100
85 64.6 51.3 76.9





#31

Cyclohexane

Concen: 50.385 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

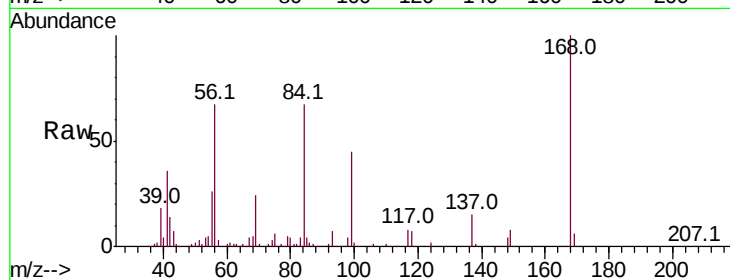
Tot Ion: 56 Resp: 216902

Ion Ratio Lower Upper

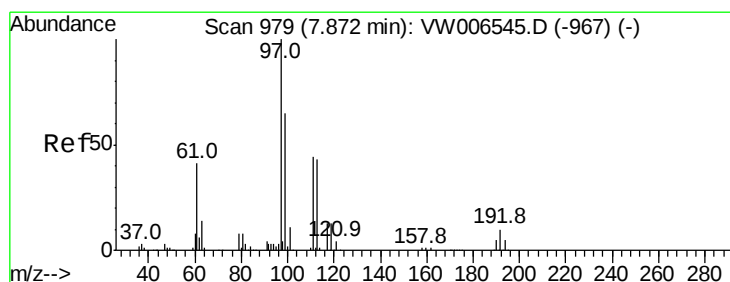
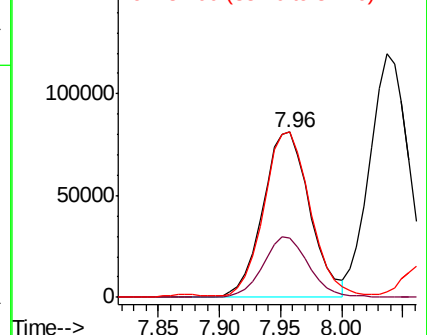
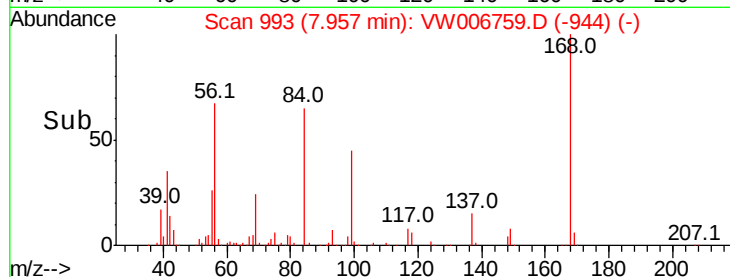
56 100

69 35.7 29.0 43.4

84 98.5 77.8 116.6



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



#32

1,1,1-Trichloroethane

Concen: 53.021 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

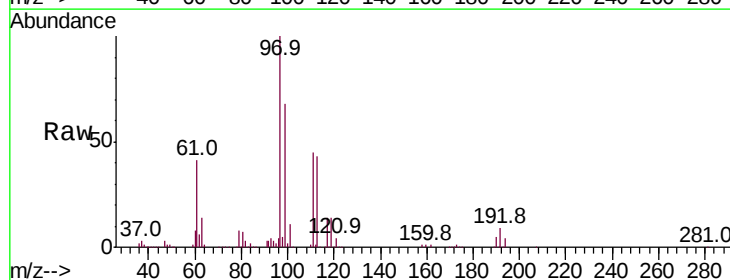
Tgt Ion: 97 Resp: 232656

Ion Ratio Lower Upper

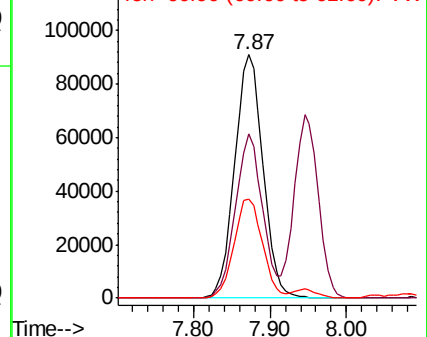
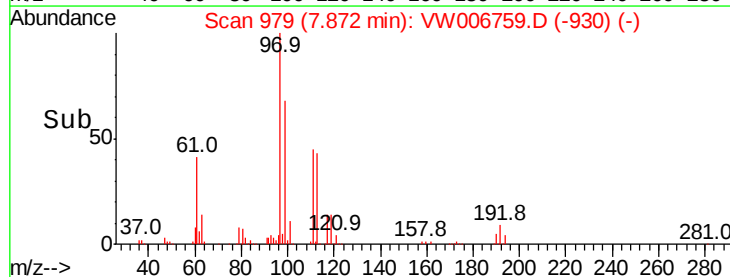
97 100

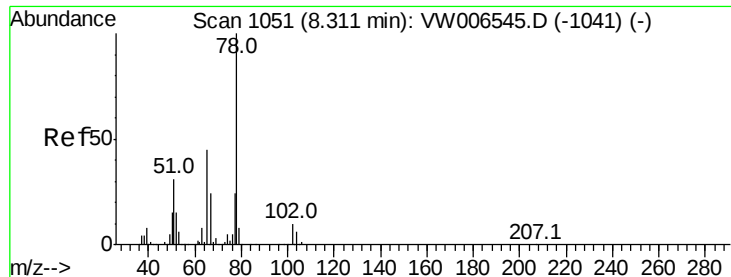
99 64.3 51.7 77.5

61 40.9 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 41.463 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

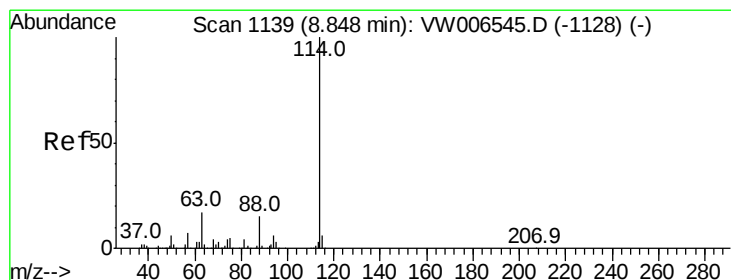
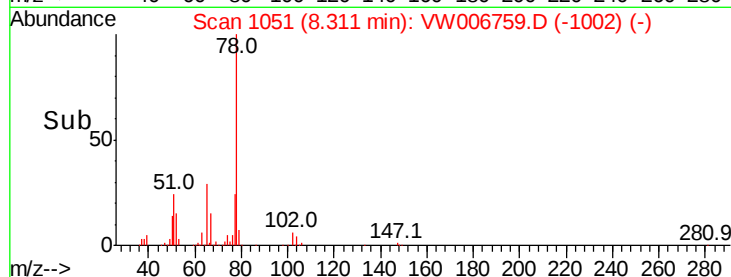
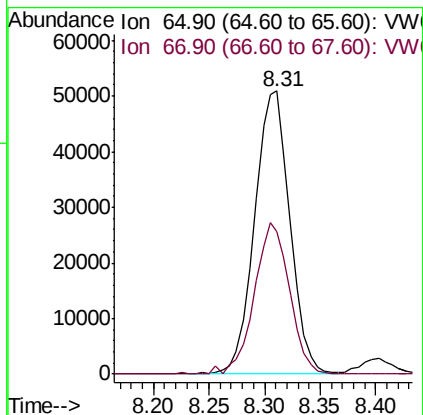
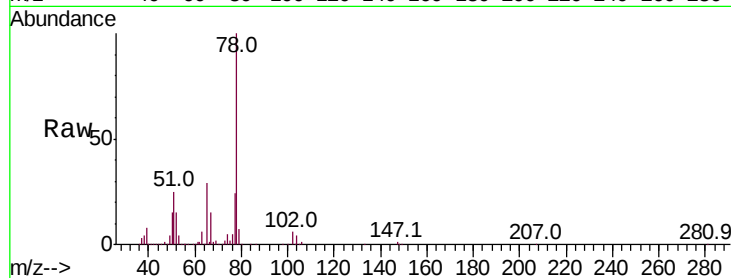
VSTDCCC050

Tot Ion: 65 Resp: 112060

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

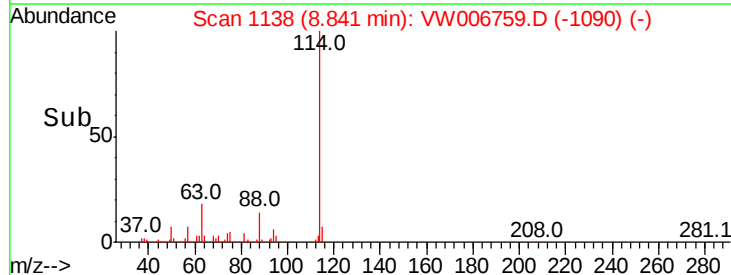
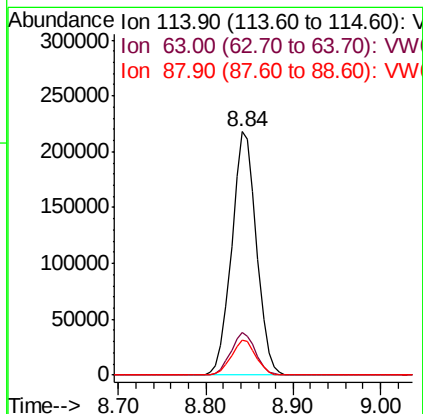
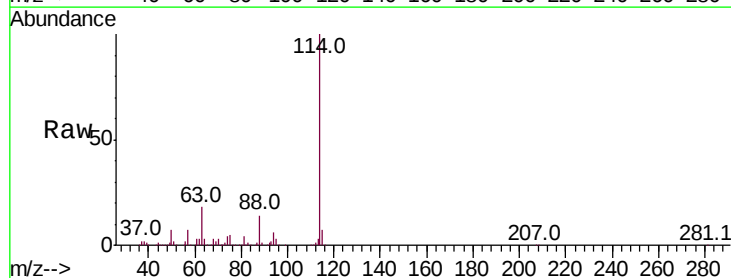
Tgt Ion: 114 Resp: 427717

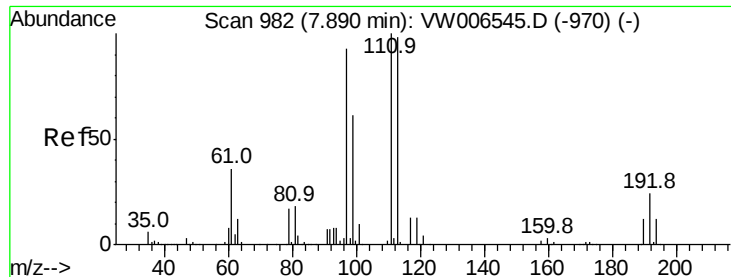
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.3 0.0 29.0

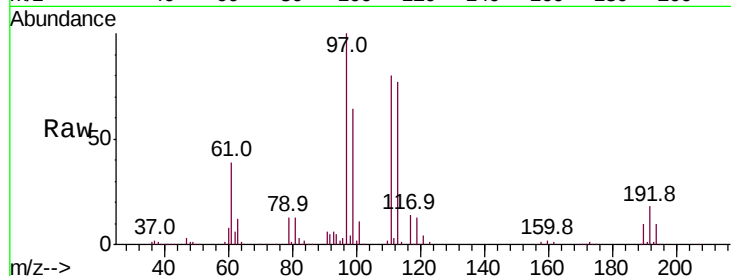




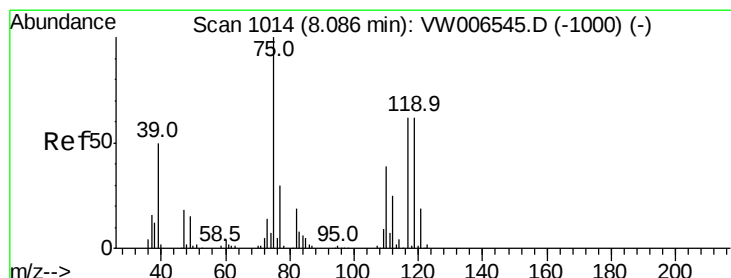
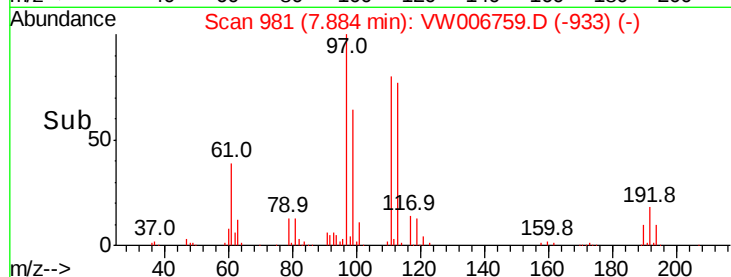
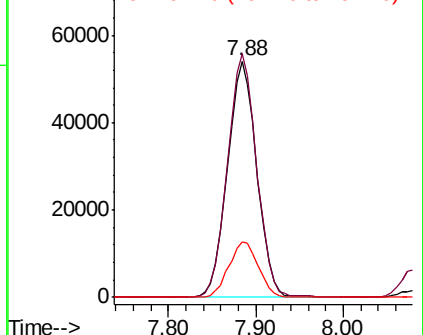
#35
 Dibromofluoromethane
 Concen: 46.797 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 125616
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 23.9 19.0 28.6

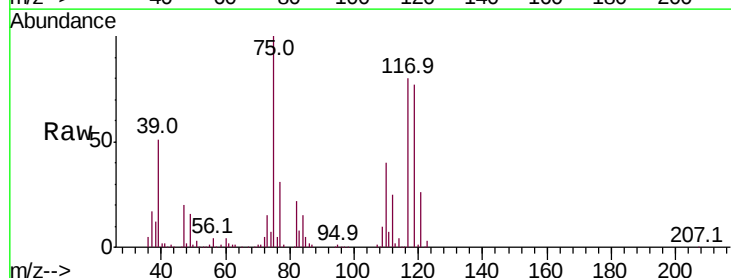


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

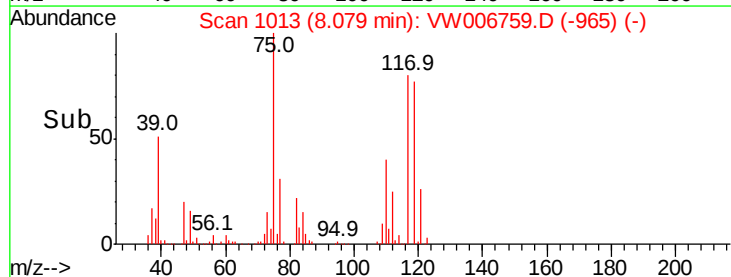
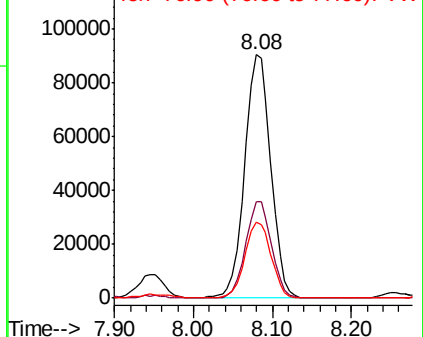


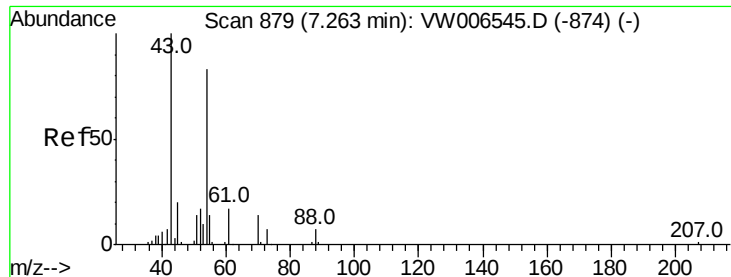
#36
 1,1-Dichloropropene
 Concen: 55.228 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Tgt Ion: 75 Resp: 207732
 Ion Ratio Lower Upper
 75 100
 110 39.0 19.5 58.5
 77 31.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

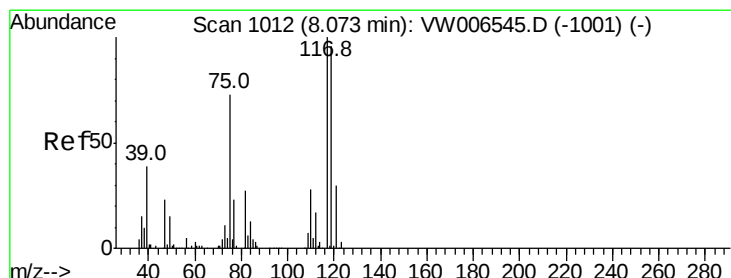
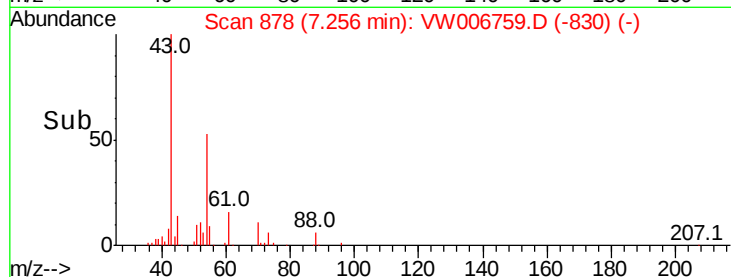
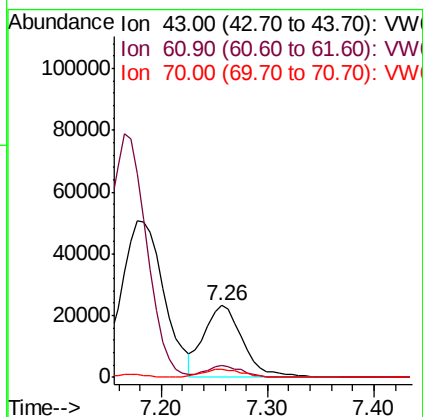
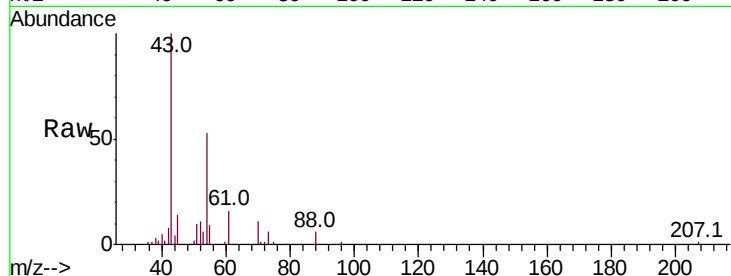




#37
Ethyl Acetate
Concen: 44.393 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

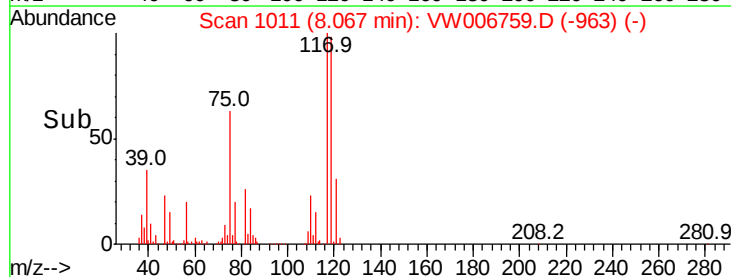
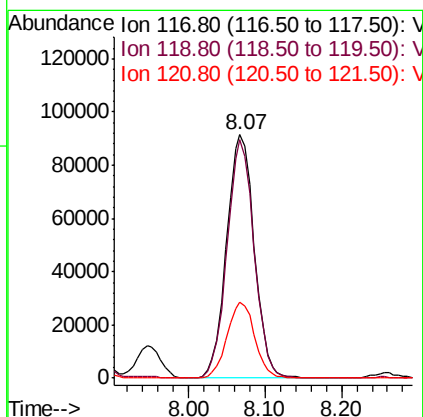
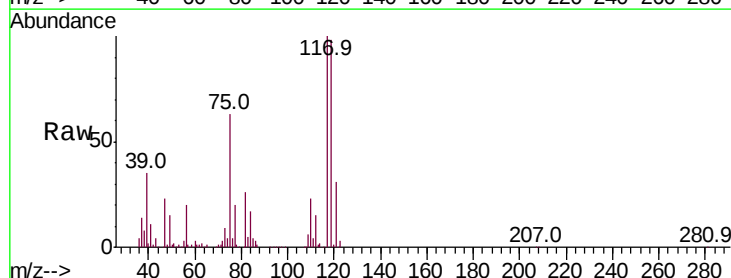
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

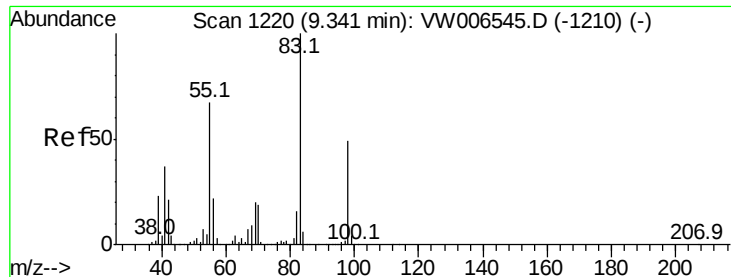
Tot Ion: 43 Resp: 57865
Ion Ratio Lower Upper
43 100
61 14.9 12.1 18.1
70 11.7 9.8 14.6



#38
Carbon Tetrachloride
Concen: 58.151 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 117 Resp: 228551
Ion Ratio Lower Upper
117 100
119 97.9 76.3 114.5
121 31.3 24.1 36.1

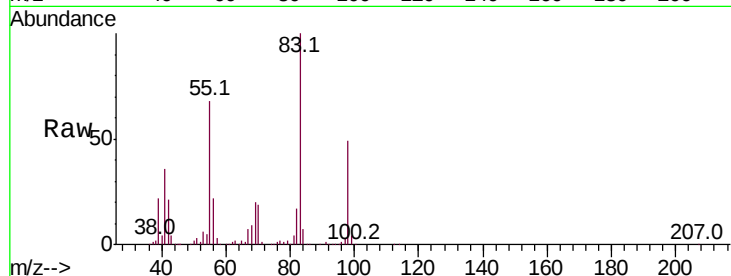




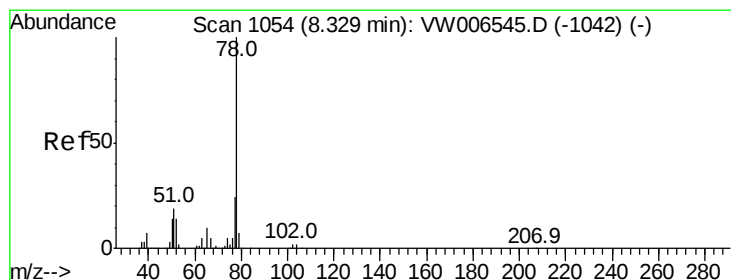
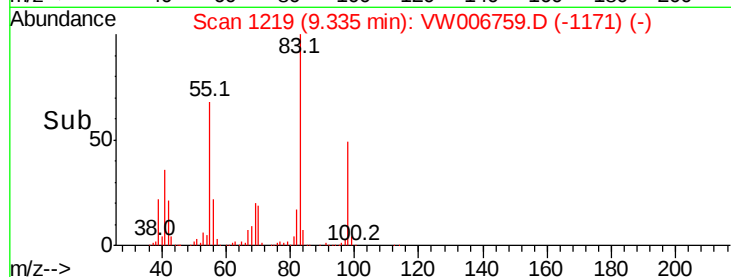
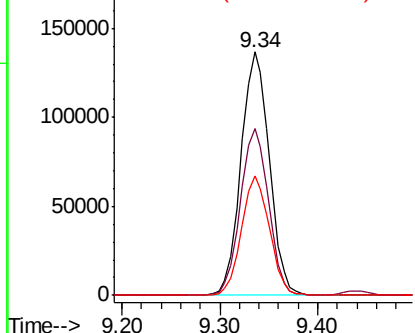
#39
Methvlcvclohexane
Concen: 57.601 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 274946
Ion Ratio Lower Upper
83 100
55 68.3 53.7 80.5
98 49.3 39.2 58.8

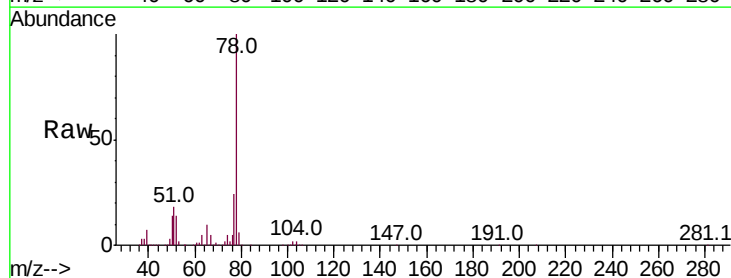


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

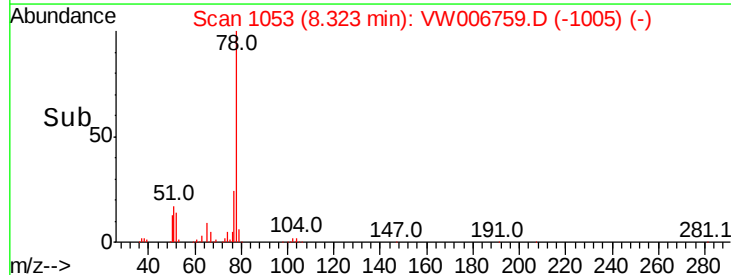
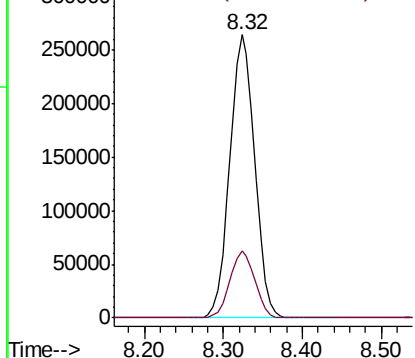


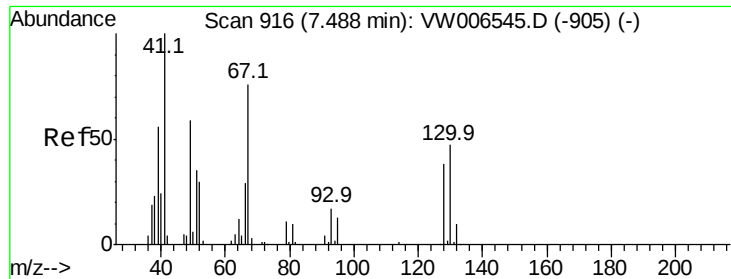
#40
Benzene
Concen: 54.161 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 78 Resp: 578638
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

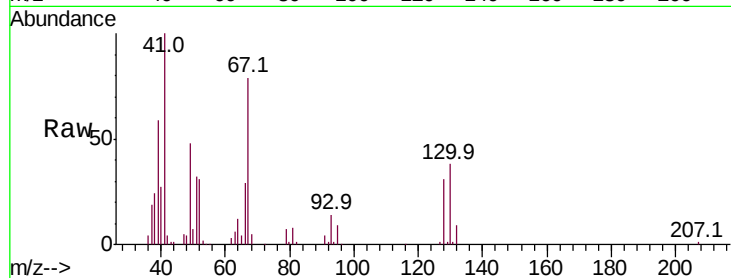




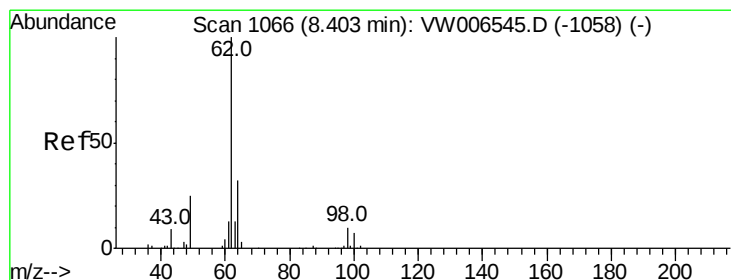
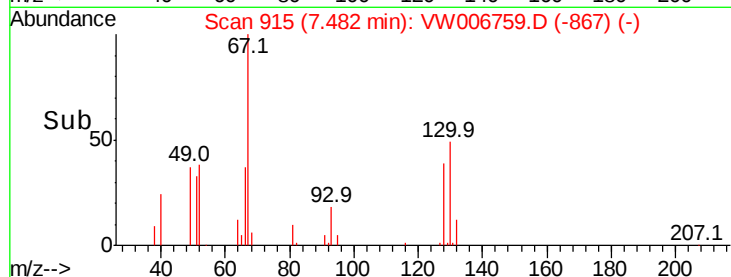
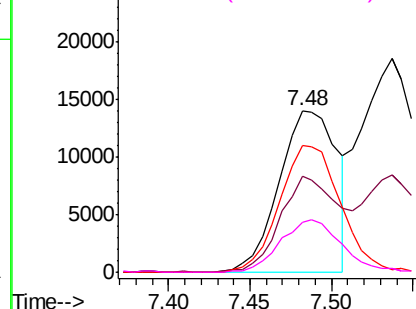
#41
Methacrylonitrile
Concen: 43.106 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	34454
Ion	Ratio	Lower	Upper
41	100		
39	62.0	44.5	66.7
67	82.5	63.8	95.8
52	34.8	26.3	39.5

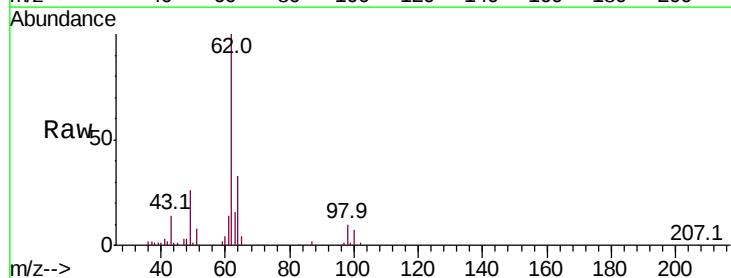


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

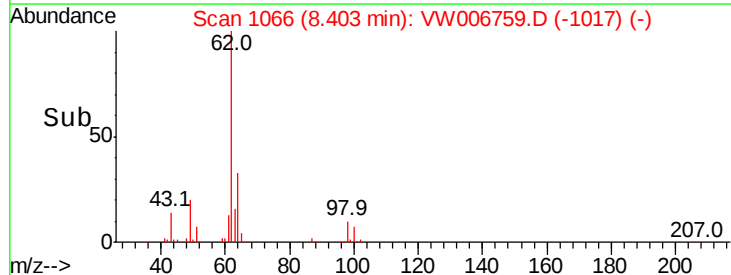
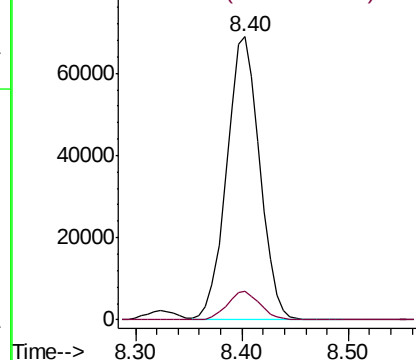


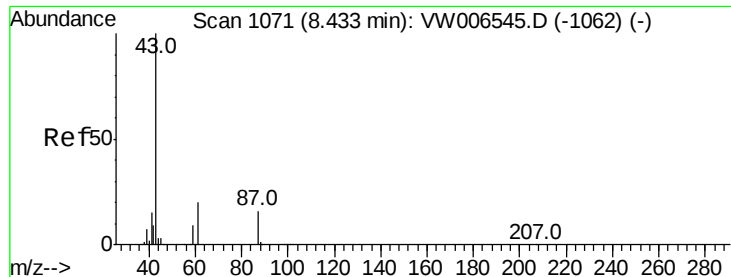
#42
1,2-Dichloroethane
Concen: 48.671 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:	62	Resp:	149124
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8



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





#43

Isopropyl Acetate

Concen: 44.753 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

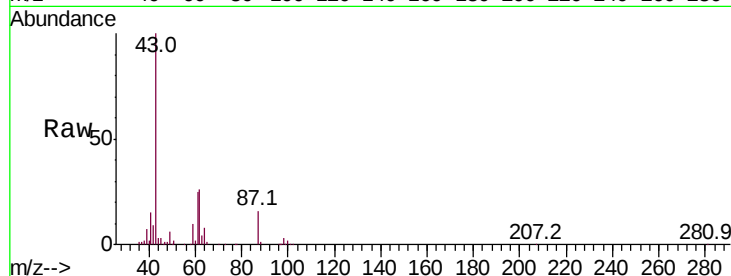
Tot Ion: 43 Resp: 116406

Ion Ratio Lower Upper

43 100

61 35.1 27.2 40.8

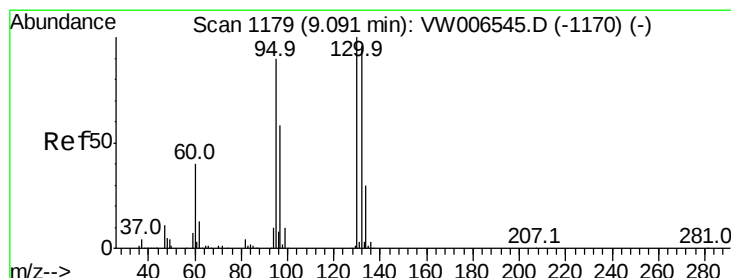
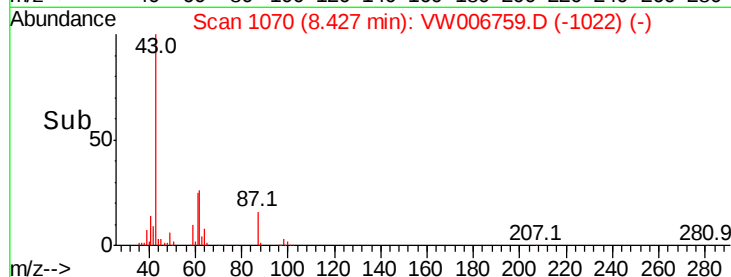
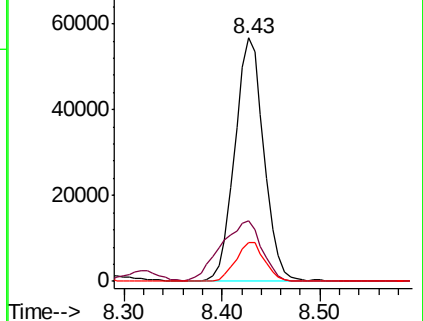
87 16.1 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.102 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006759.D

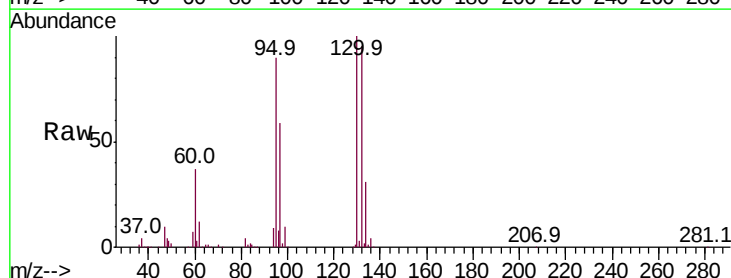
Acq: 08 Nov 2018 11:48

Tgt Ion:130 Resp: 178364

Ion Ratio Lower Upper

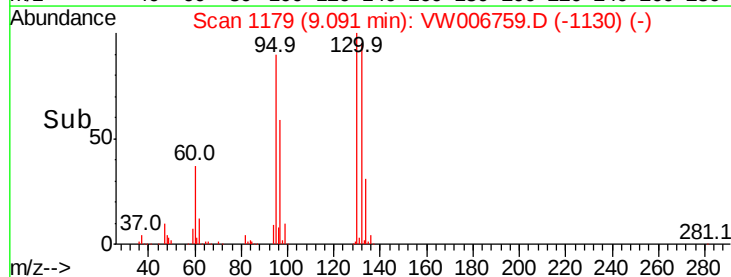
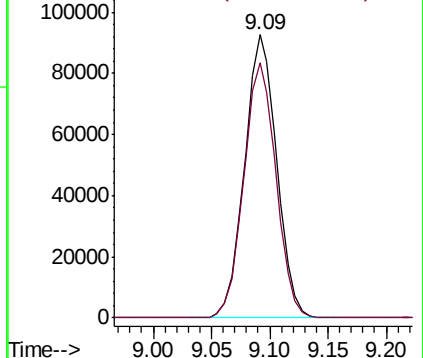
130 100

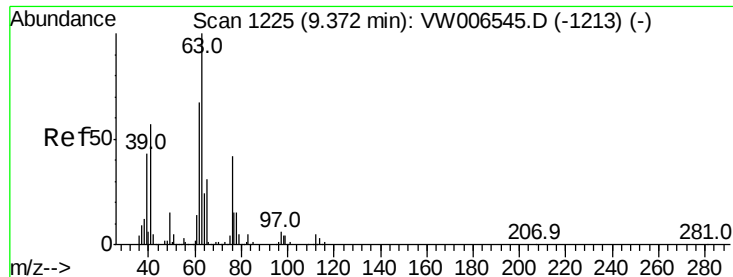
95 90.0 0.0 179.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 53.174 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

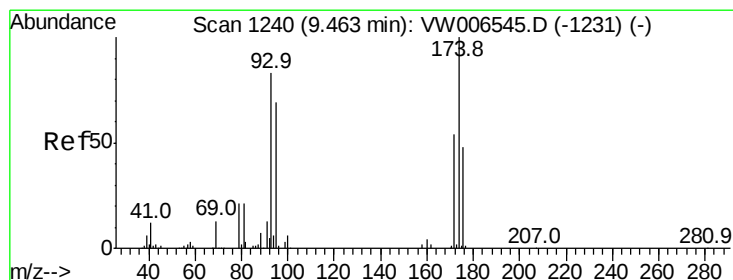
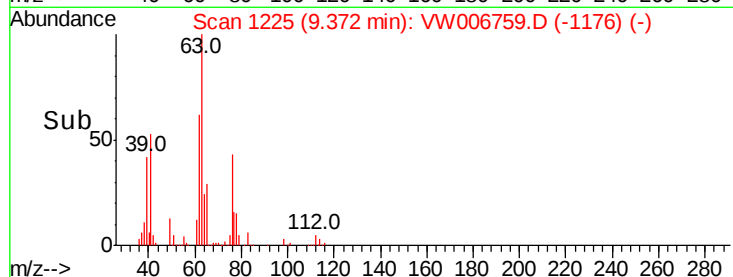
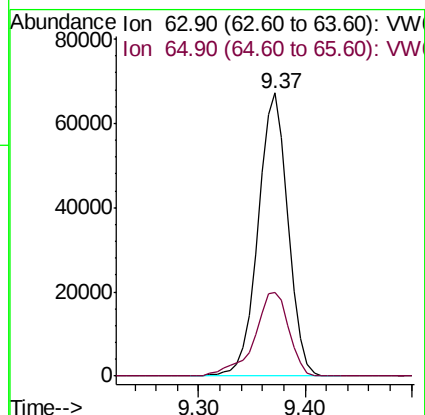
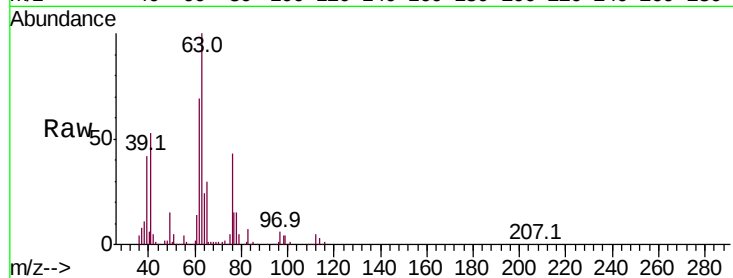
VSTDCCC050

Tot Ion: 63 Resp: 132207

Ion Ratio Lower Upper

63 100

65 29.7 25.1 37.7



#46

Dibromomethane

Concen: 49.339 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

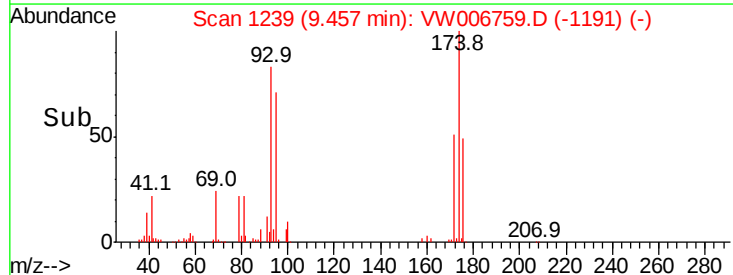
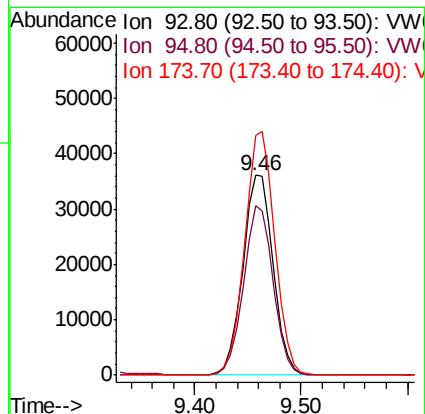
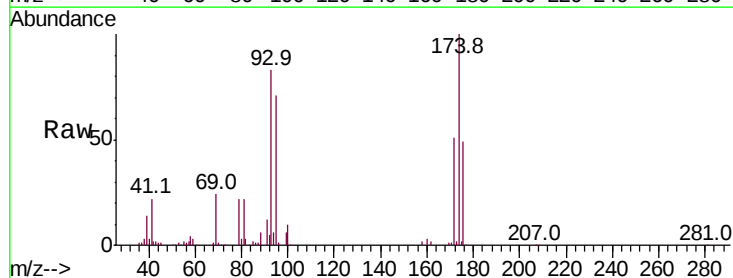
Tgt Ion: 93 Resp: 72110

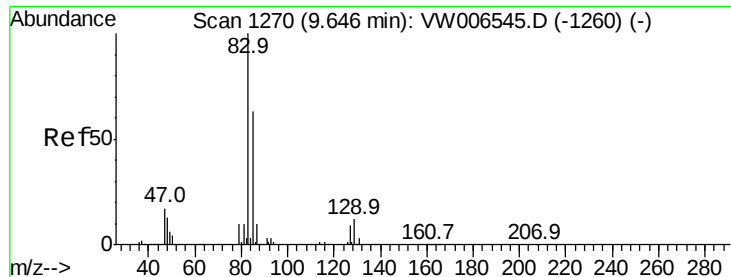
Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 121.0 97.3 145.9





#47

Bromodichloromethane

Concen: 52.553 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

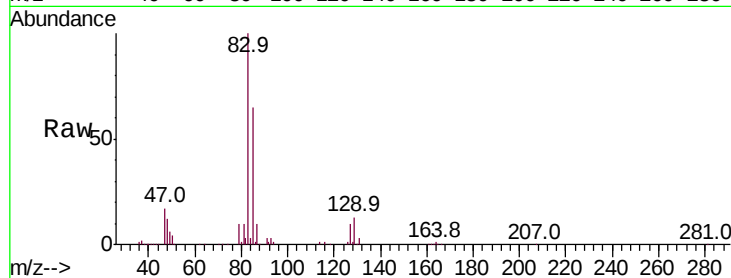
Tot Ion: 83 Resp: 178340

Ion Ratio Lower Upper

83 100

85 64.6 50.6 75.8

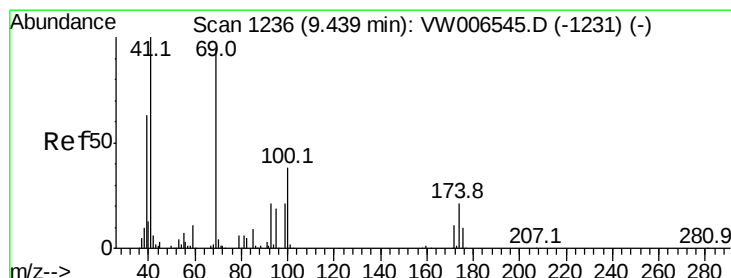
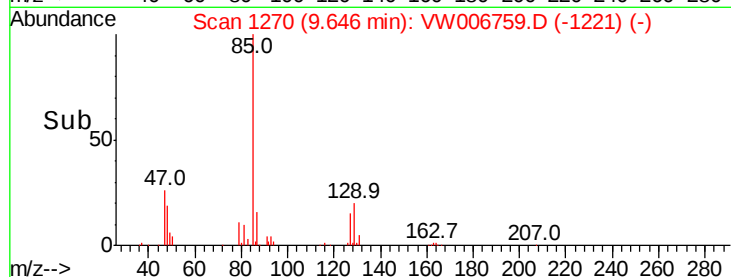
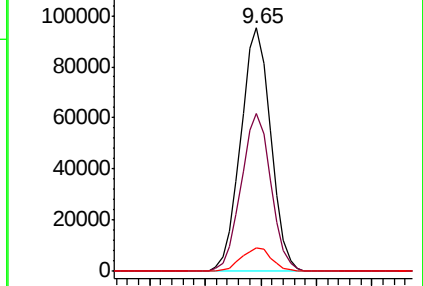
127 9.8 7.5 11.3



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: 44.771 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

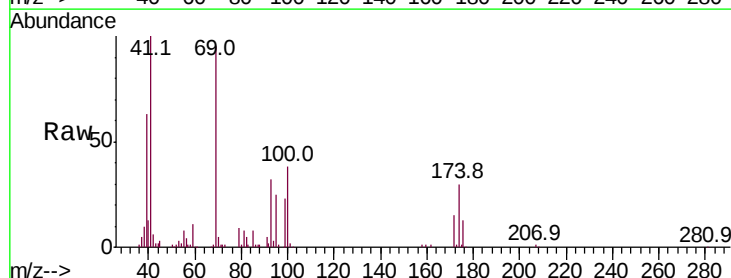
Tgt Ion: 41 Resp: 56106

Ion Ratio Lower Upper

41 100

69 101.6 77.8 116.8

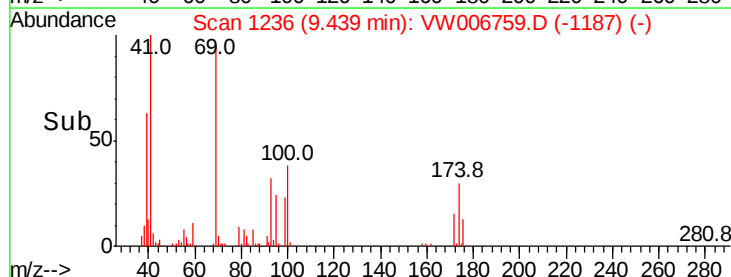
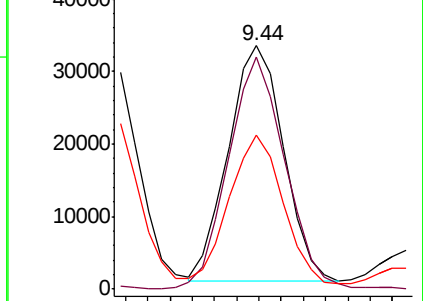
39 61.0 48.7 73.1

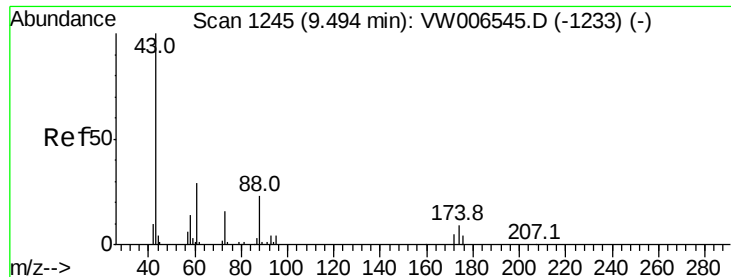


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 983.950 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

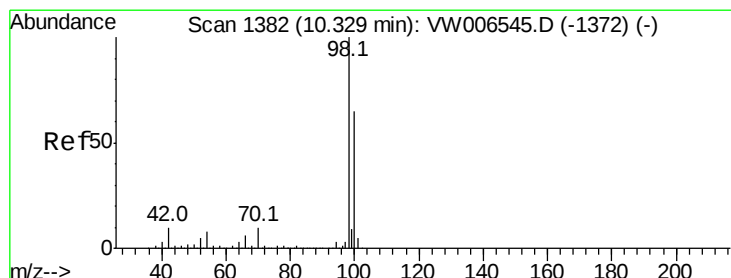
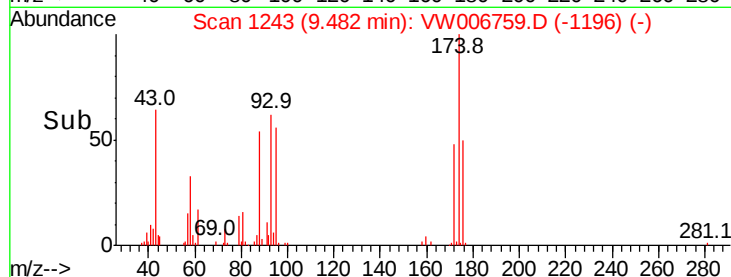
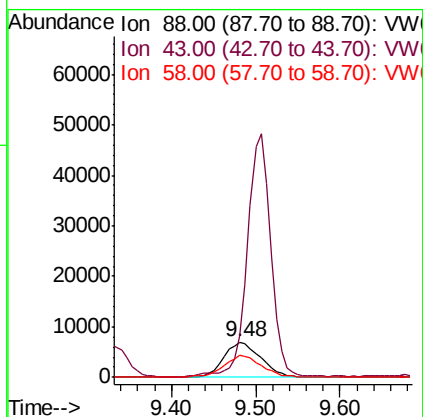
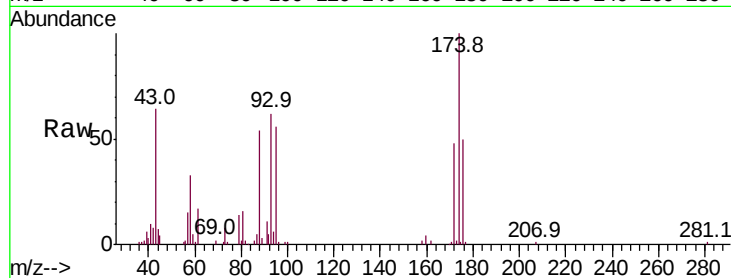
Tot Ion: 88 Resp: 21046

Ion Ratio Lower Upper

88 100

43 0.0 356.6 534.8#

58 62.0 51.4 77.2



#50

Toluene-d8

Concen: 47.739 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006759.D

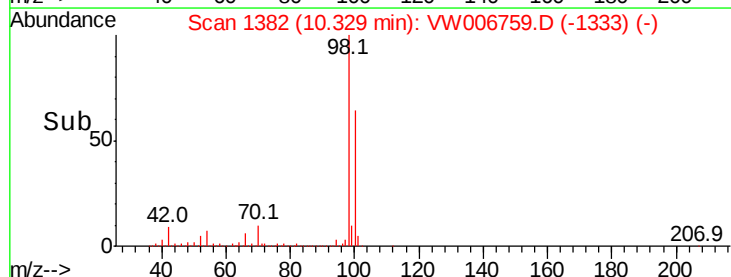
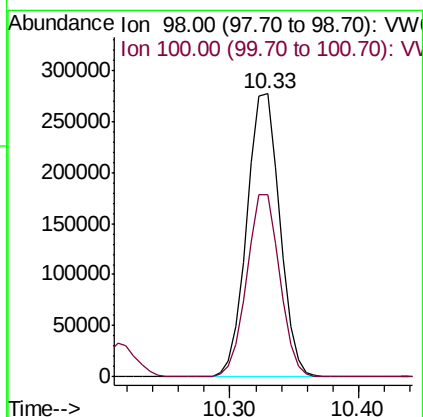
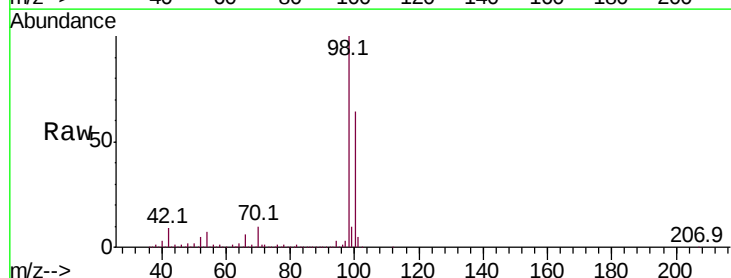
Acq: 08 Nov 2018 11:48

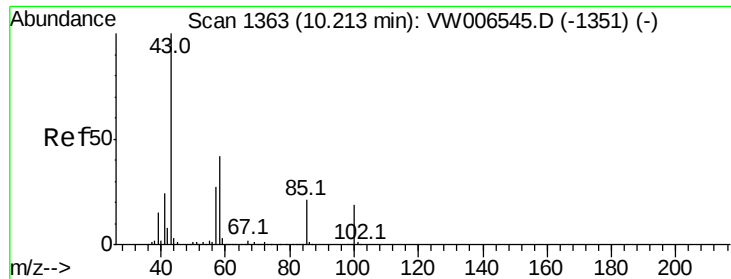
Tgt Ion: 98 Resp: 487818

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 225.864 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

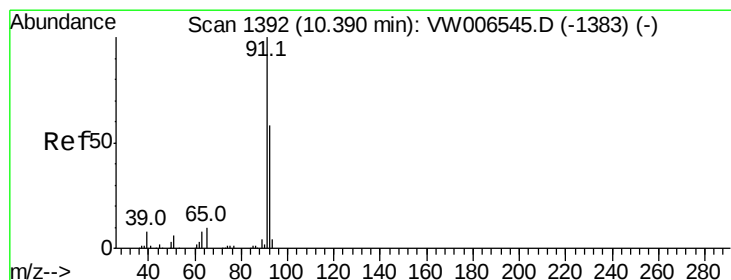
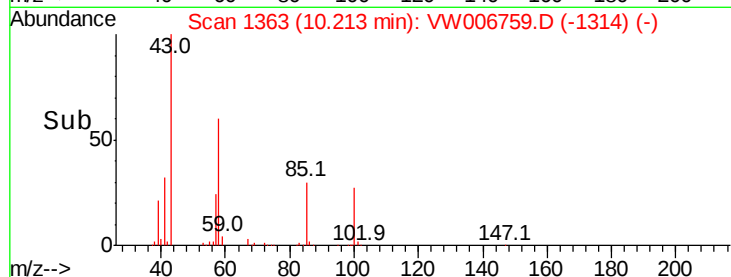
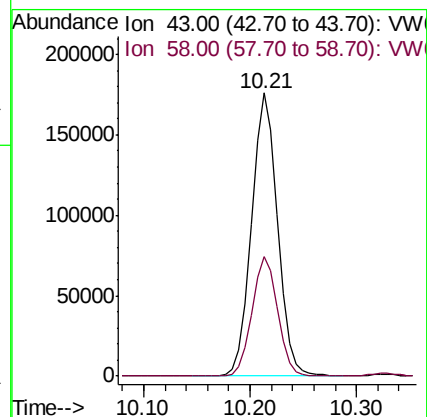
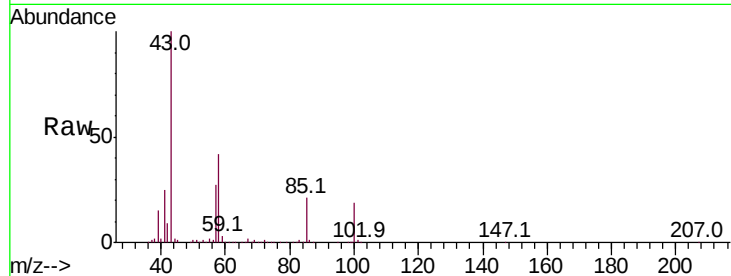
VSTDCCC050

Tot Ion: 43 Resp: 301723

Ion Ratio Lower Upper

43 100

58 41.7 33.4 50.0



#52

Toluene

Concen: 53.610 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006759.D

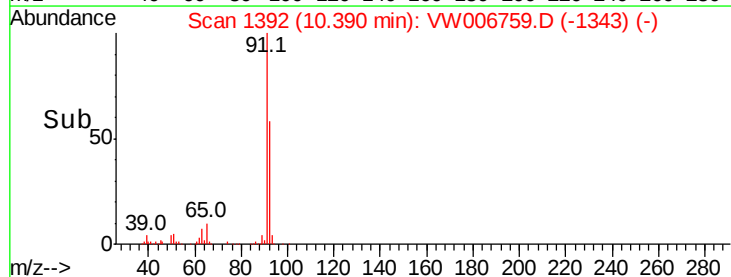
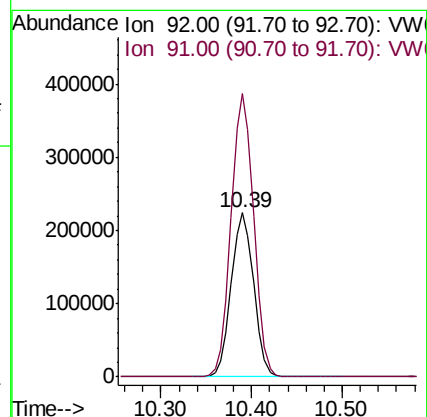
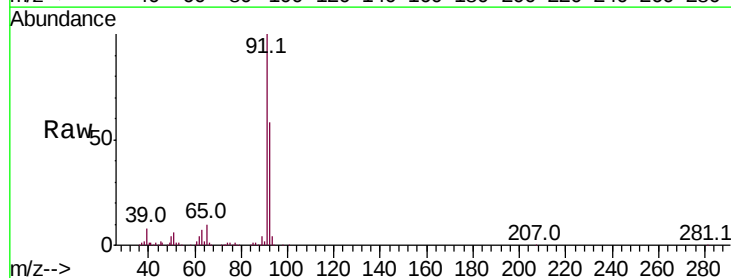
Acq: 08 Nov 2018 11:48

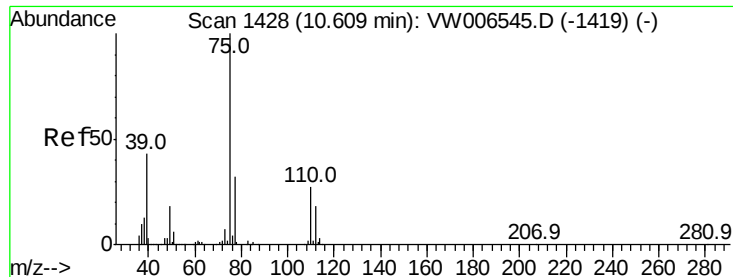
Tgt Ion: 92 Resp: 384154

Ion Ratio Lower Upper

92 100

91 173.7 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 53.033 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

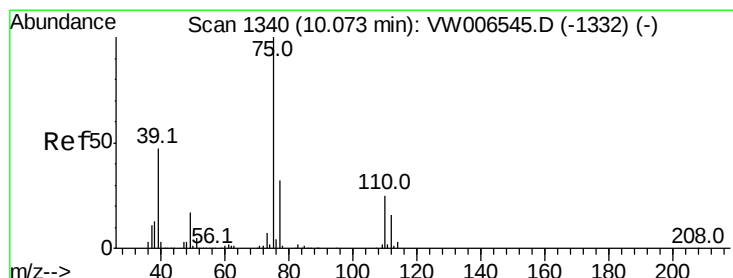
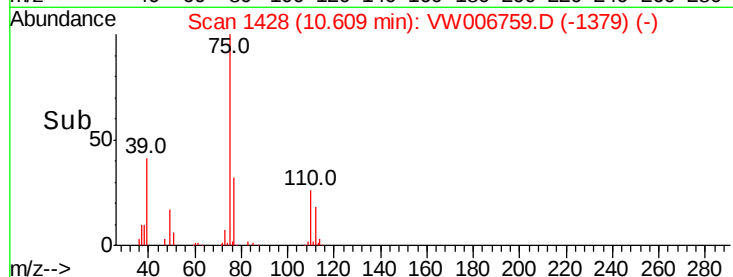
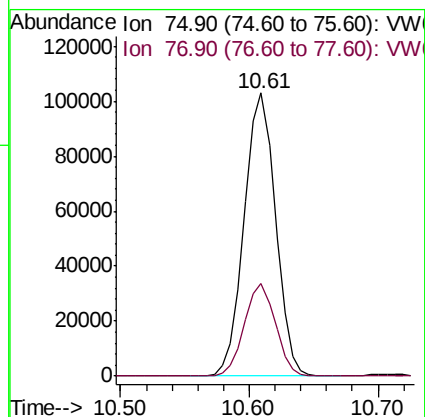
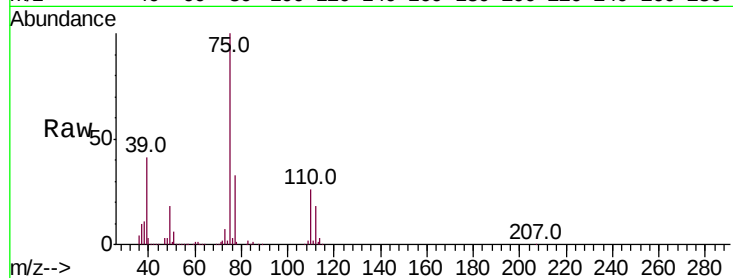
VSTDCCC050

Tot Ion: 75 Resp: 173205

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 53.307 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

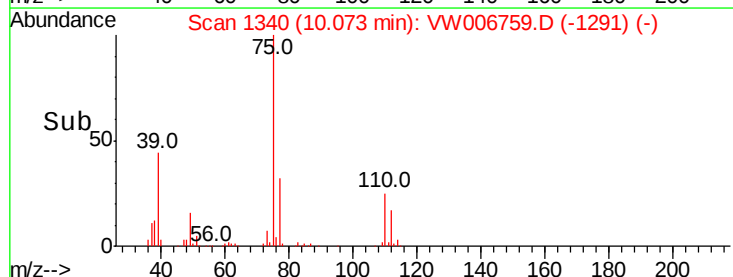
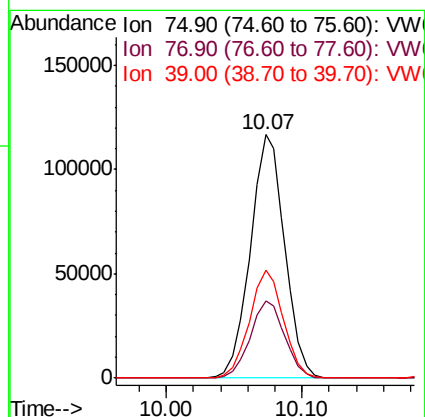
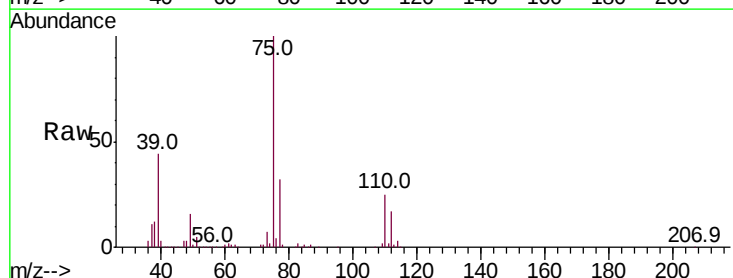
Tgt Ion: 75 Resp: 205736

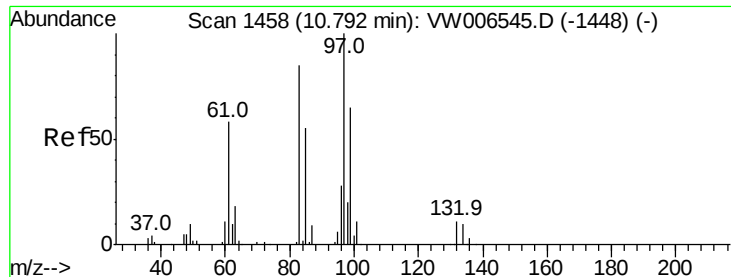
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 44.2 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 49.146 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 101915

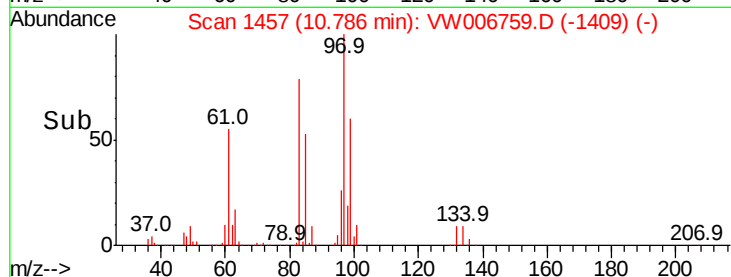
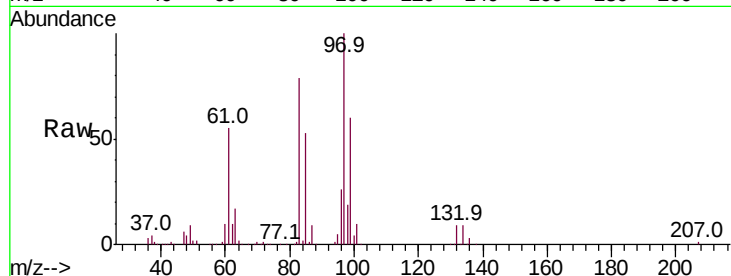
Ion	Ratio	Lower	Upper
97	100		
83	79.1	67.9	101.9
85	53.1	44.0	66.0
99	60.4	52.2	78.2

97 100

83 79.1 67.9 101.9

85 53.1 44.0 66.0

99 60.4 52.2 78.2

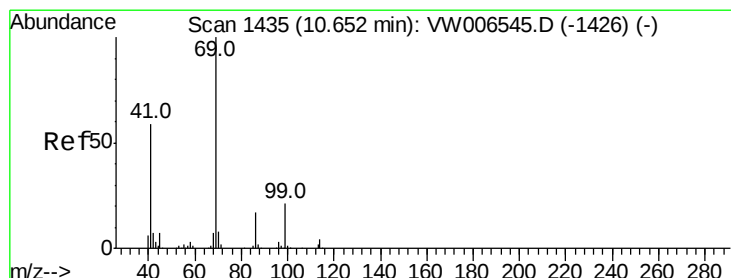
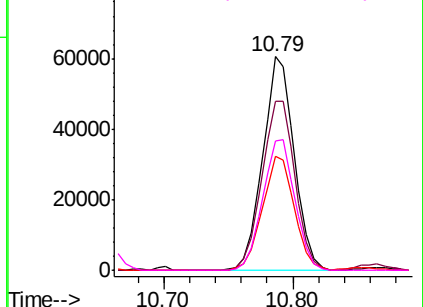


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 46.468 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

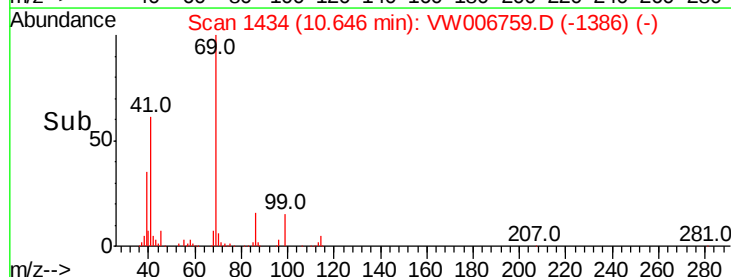
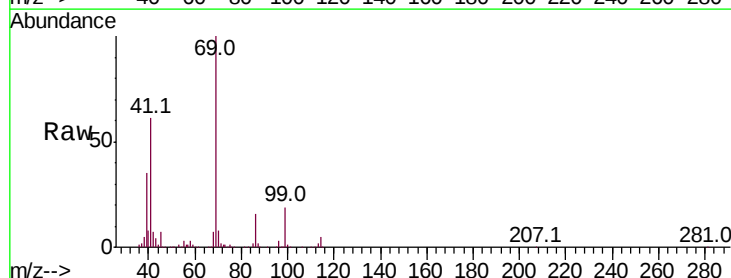
Tgt Ion: 69 Resp: 109523

Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.4	71.2
39	34.3	25.3	37.9

69 100

41 59.8 47.4 71.2

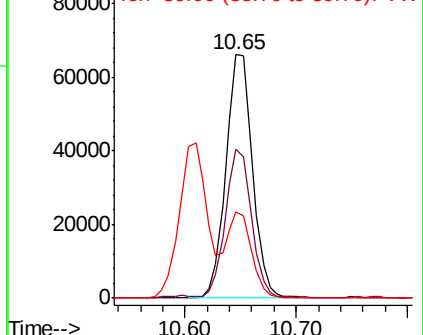
39 34.3 25.3 37.9

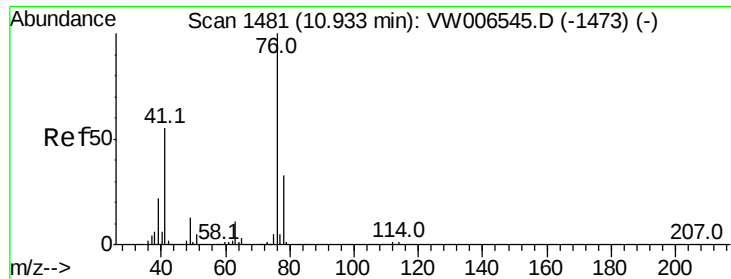


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 49.136 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

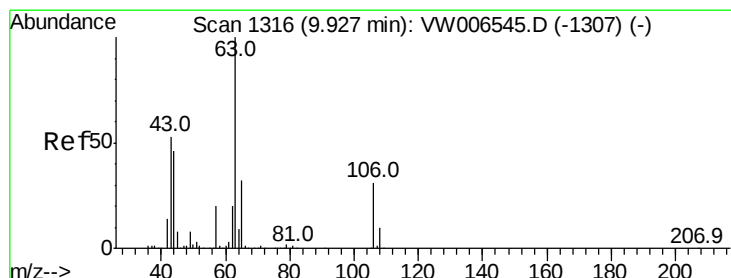
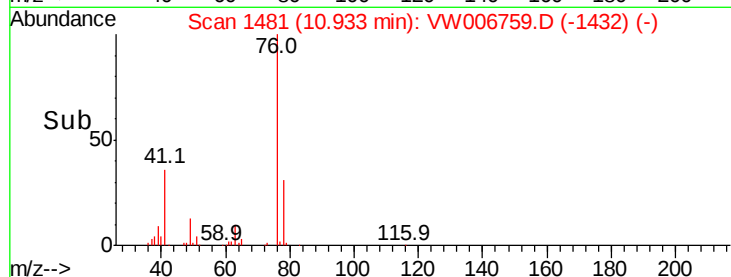
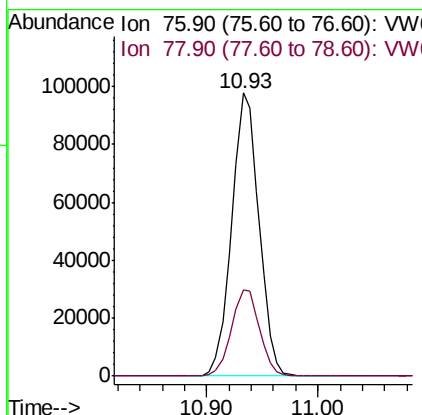
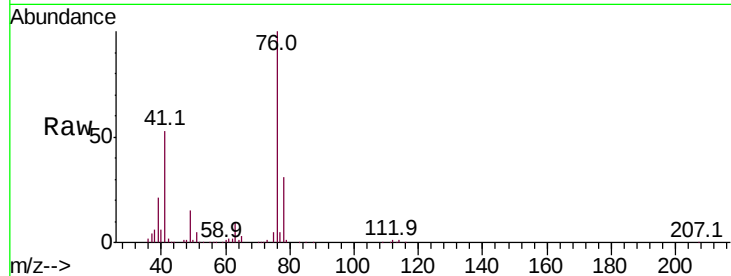
Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 76 Resp: 165458

Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.2	39.4



#58

2-Chloroethyl Vinyl ether

Concen: 234.720 ug/l

RT: 9.93 min Scan# 1316

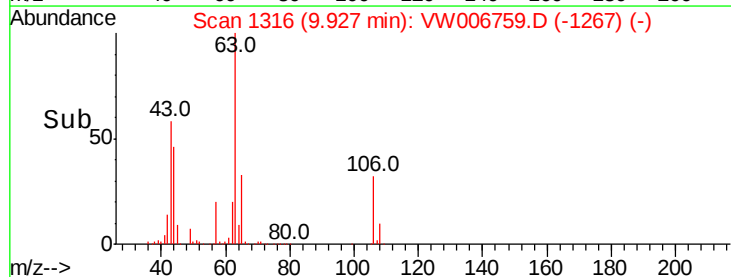
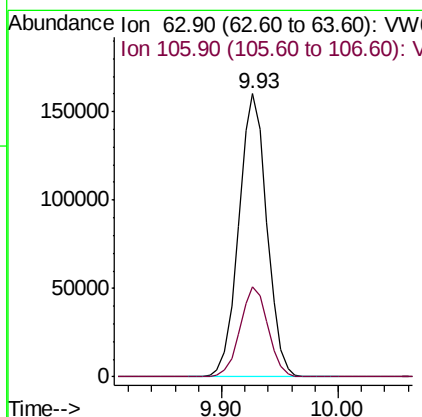
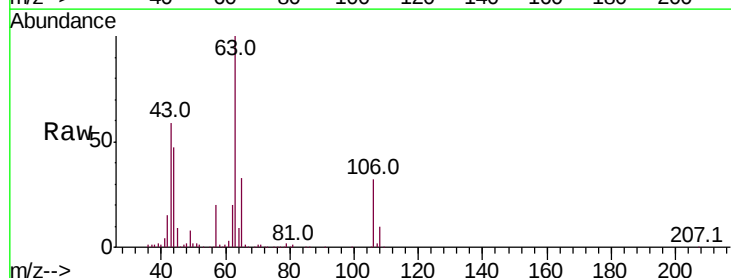
Delta R.T. -0.00 min

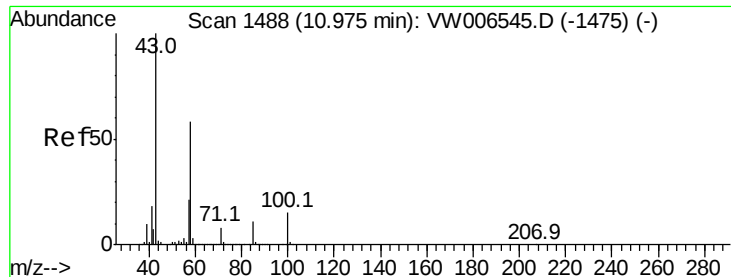
Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Tgt Ion: 63 Resp: 268929

Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.4	38.2

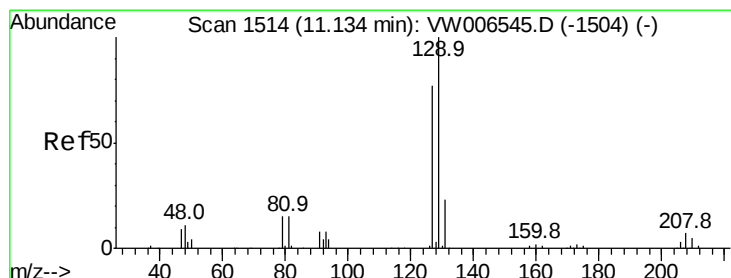
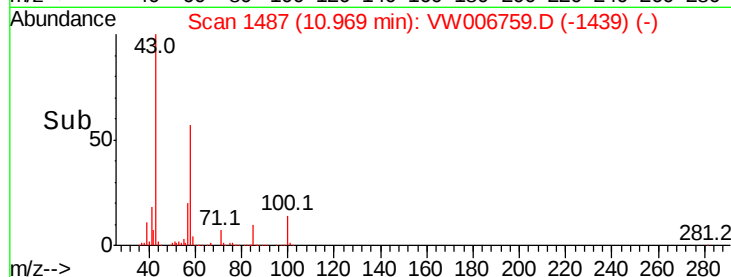
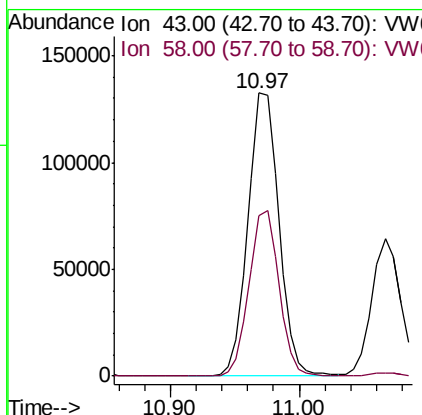
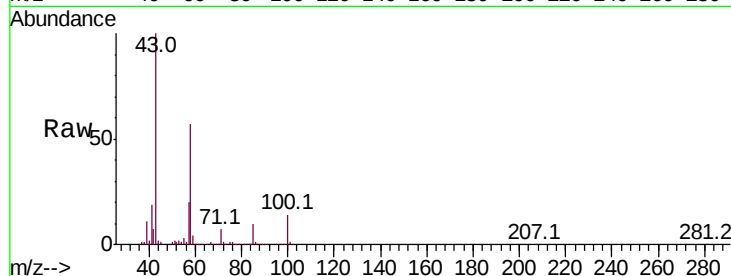




#59
2-Hexanone
Concen: 242.665 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

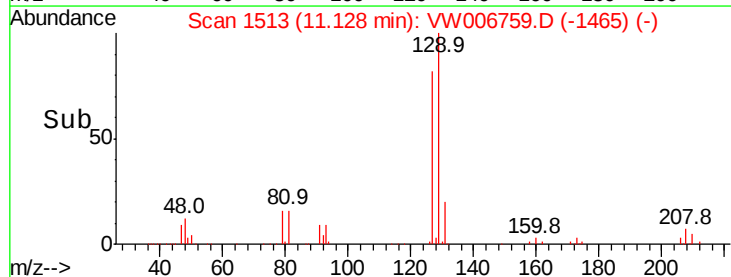
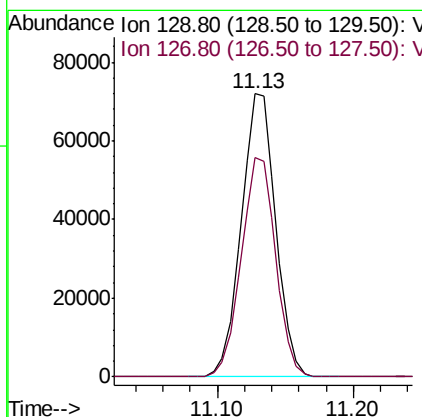
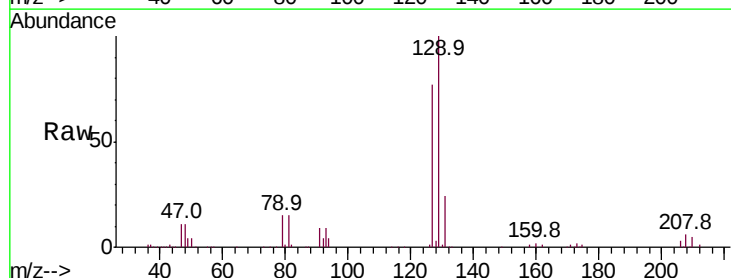
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

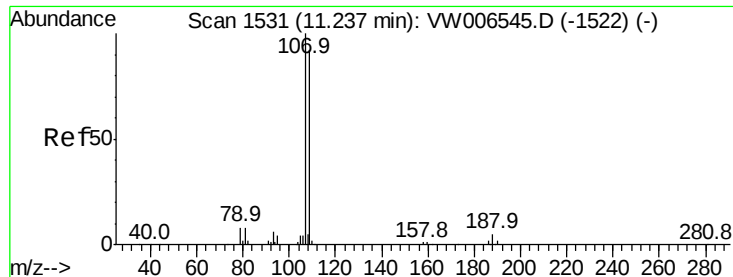
Tot Ion: 43 Resp: 220171
Ion Ratio Lower Upper
43 100
58 56.7 28.8 86.4



#60
Dibromochloromethane
Concen: 51.875 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 129 Resp: 127455
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3

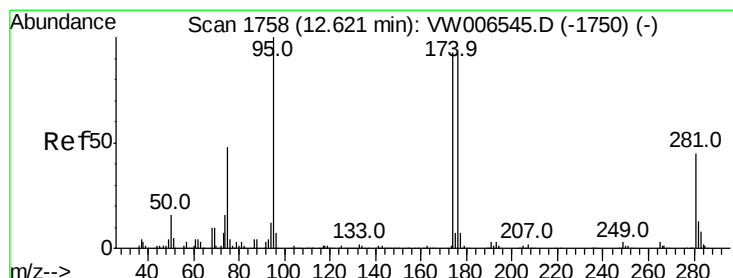
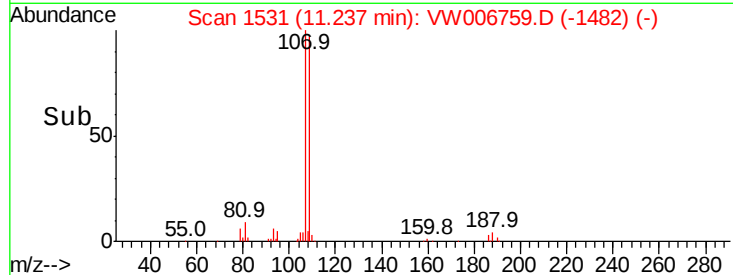
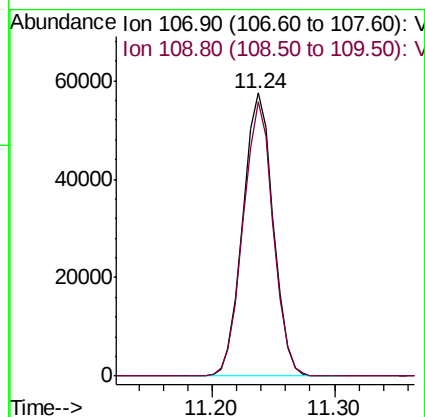
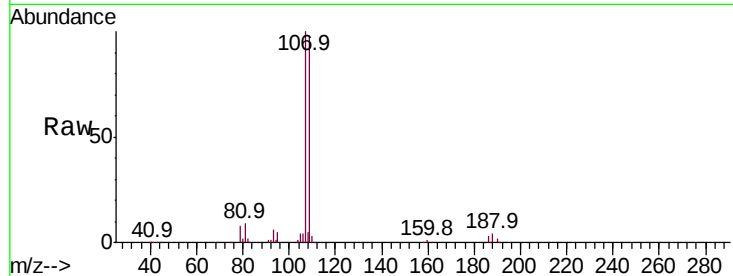




#61
 1,2-Dibromoethane
 Concen: 48.160 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

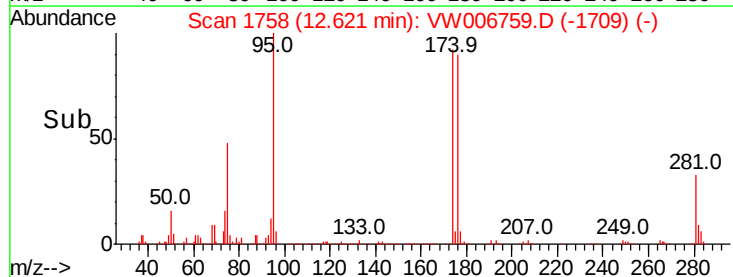
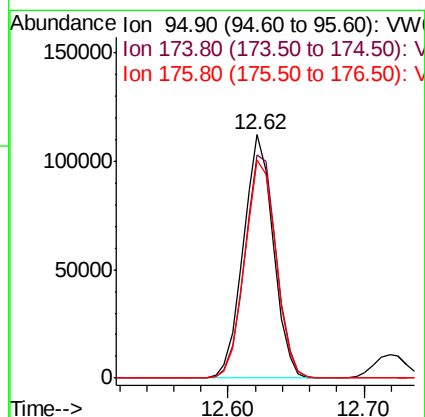
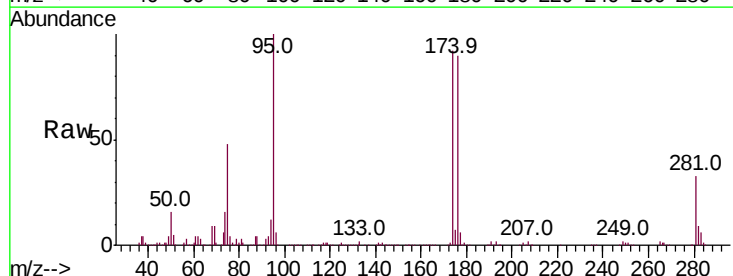
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

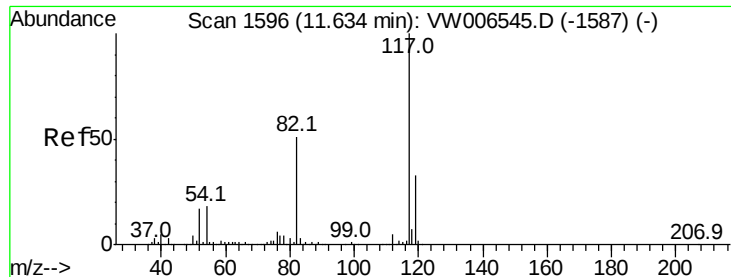
Tot Ion:107 Resp: 99177
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 46.856 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Tgt Ion: 95 Resp: 173583
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 192.4
 176 93.3 0.0 187.4

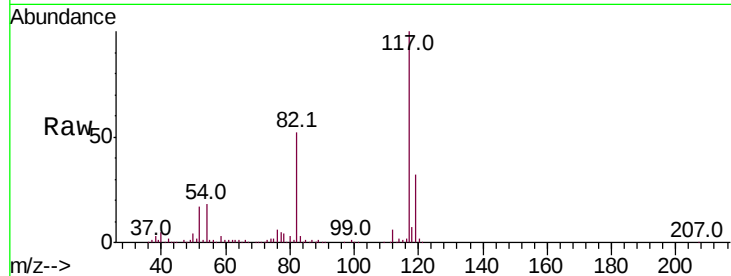




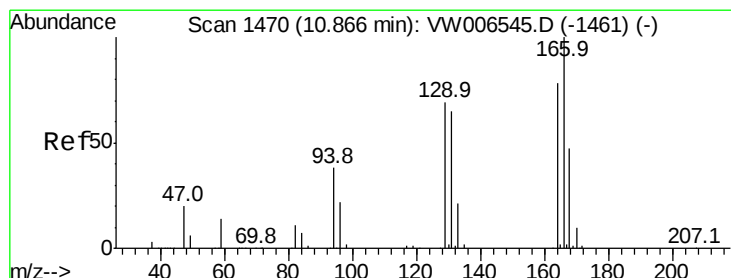
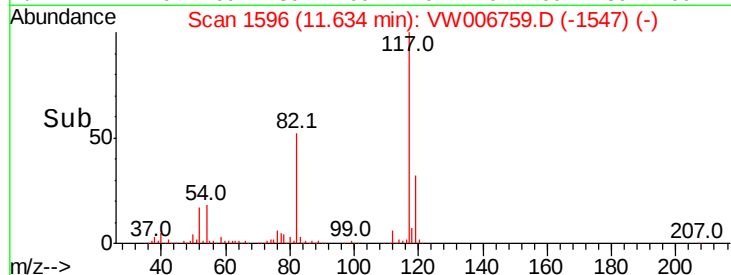
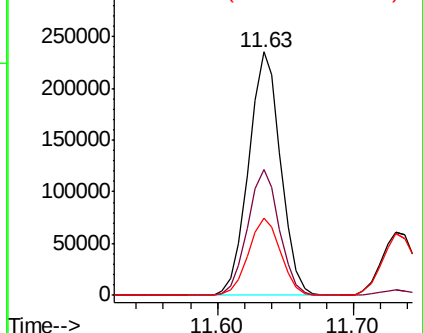
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 387554
Ion Ratio Lower Upper
117 100
82 51.6 40.8 61.2
119 31.6 26.1 39.1

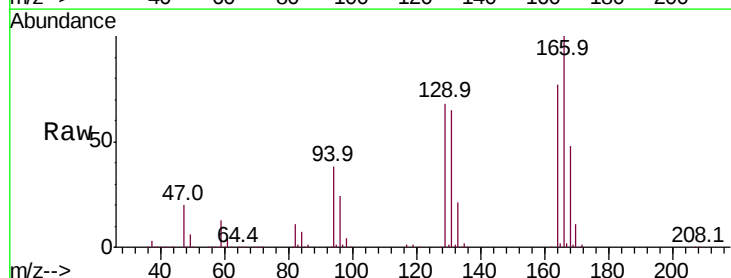


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

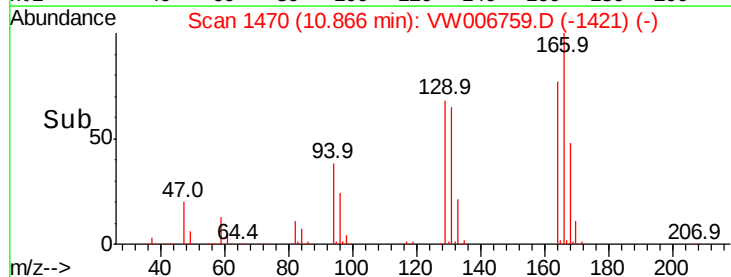
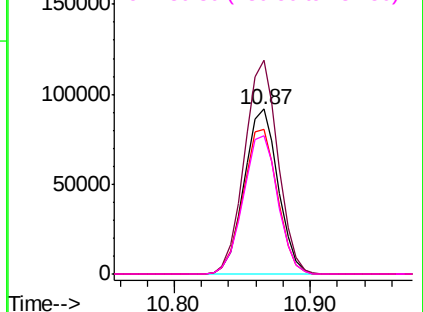


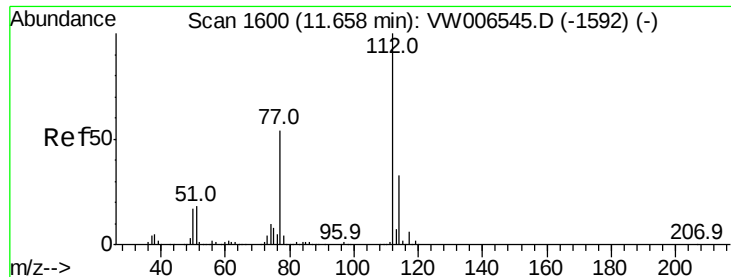
#64
Tetrachloroethene
Concen: 51.885 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:164 Resp: 160292
Ion Ratio Lower Upper
164 100
166 129.5 102.8 154.2
129 87.6 70.9 106.3
131 83.9 67.0 100.6



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

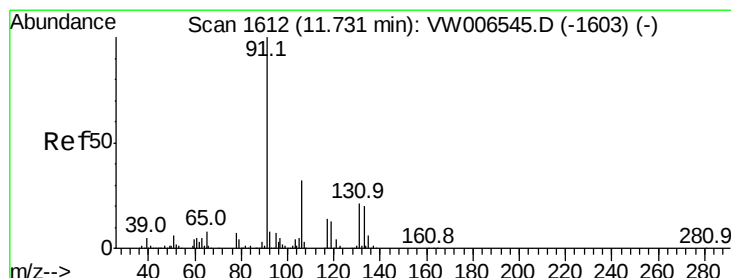
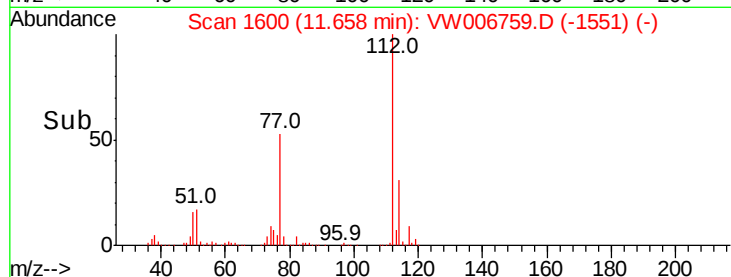
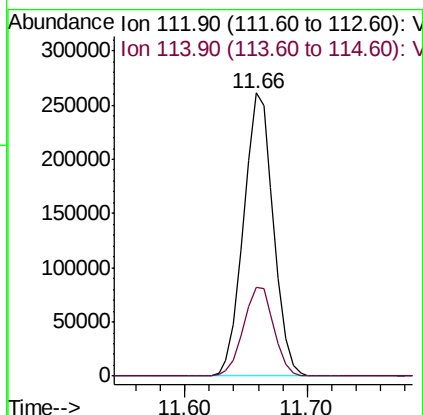
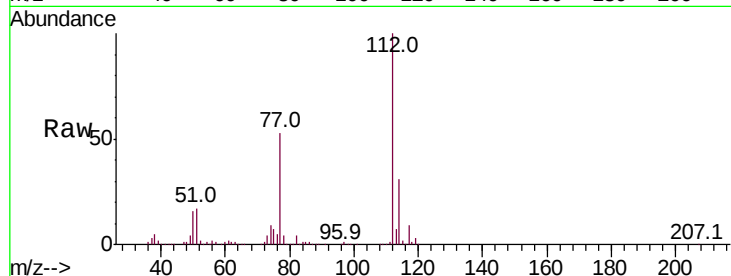




#65
Chlorobenzene
Concen: 53.970 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

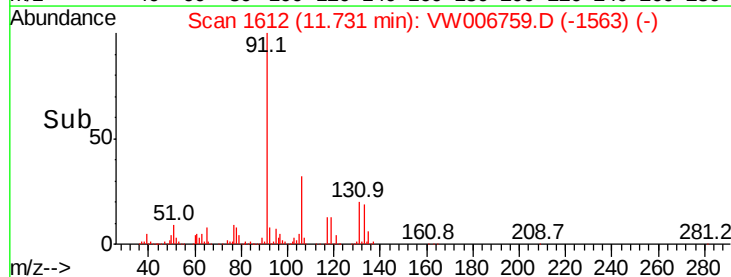
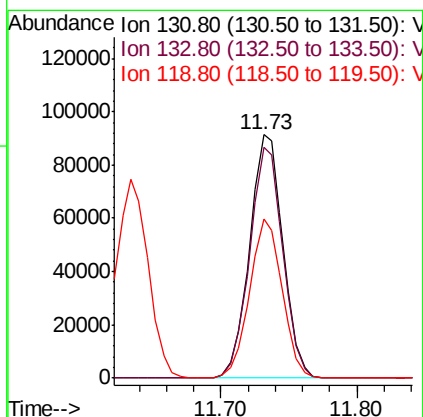
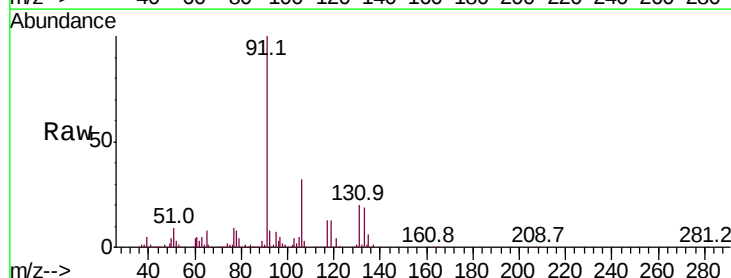
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

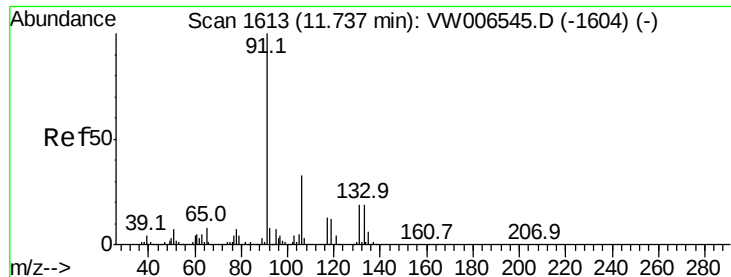
Tot Ion:112 Resp: 440140
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.633 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:131 Resp: 156603
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 64.1 31.9 95.5





#67

Ethyl Benzene

Concen: 56.033 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

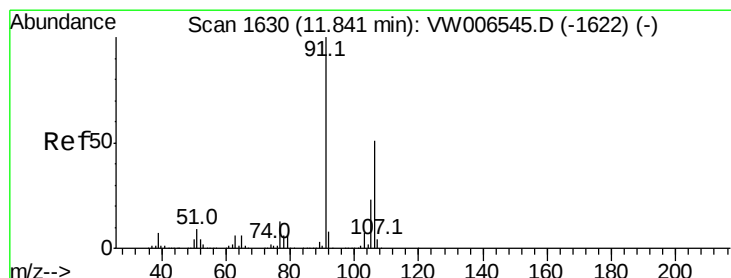
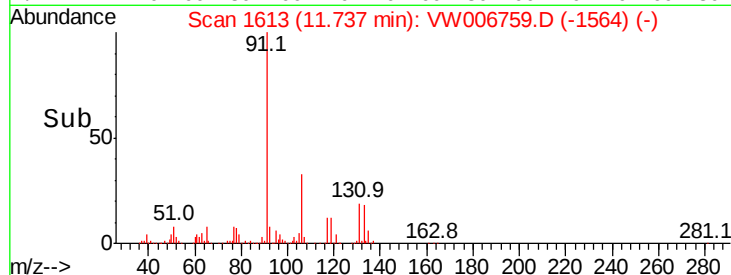
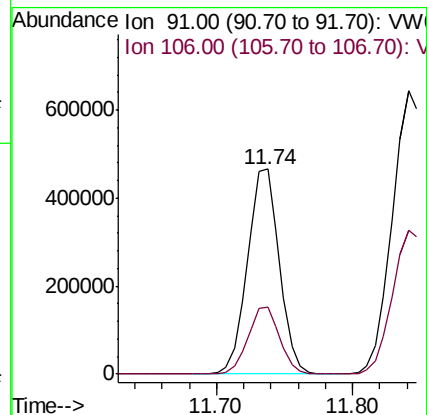
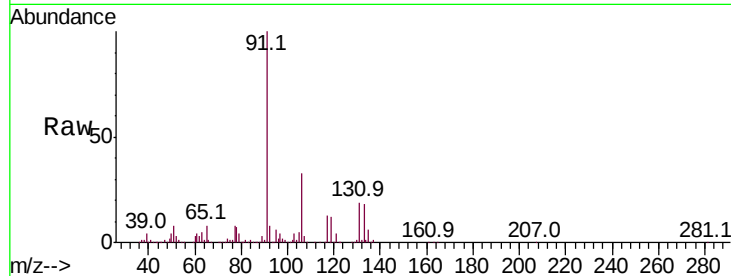
VSTDCCC050

Tot Ion: 91 Resp: 763801

Ion Ratio Lower Upper

91 100

106 32.9 26.3 39.5



#68

m/p-Xylenes

Concen: 112.872 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006759.D

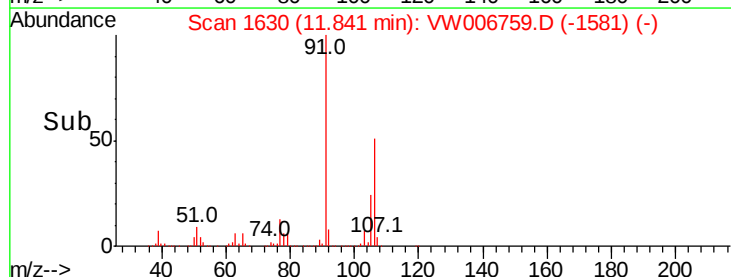
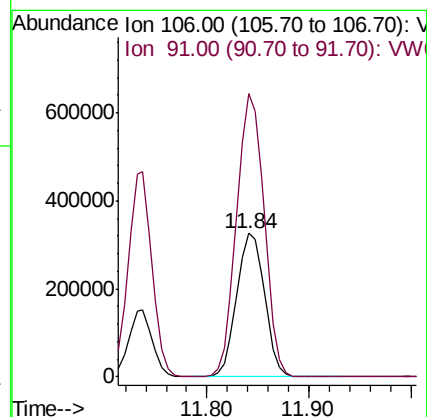
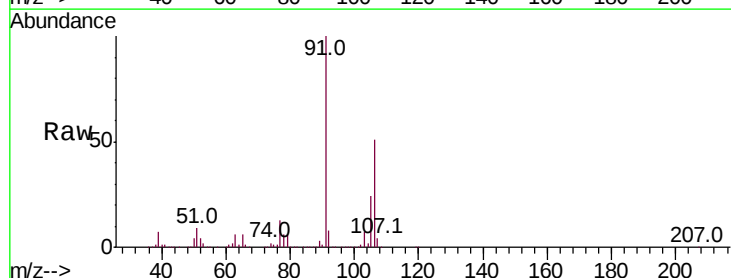
Acq: 08 Nov 2018 11:48

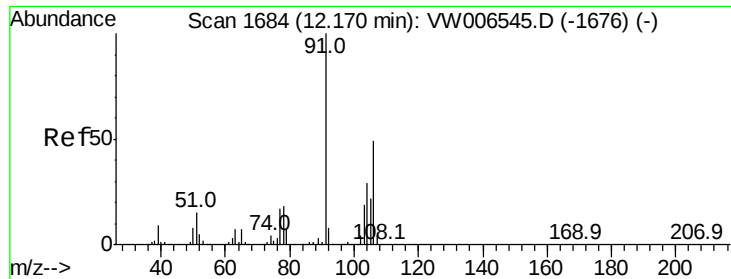
Tgt Ion: 106 Resp: 614701

Ion Ratio Lower Upper

106 100

91 195.8 156.7 235.1

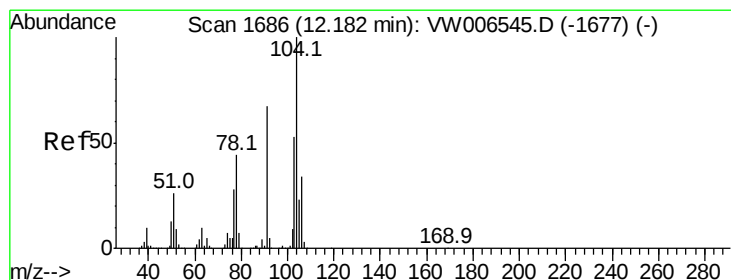
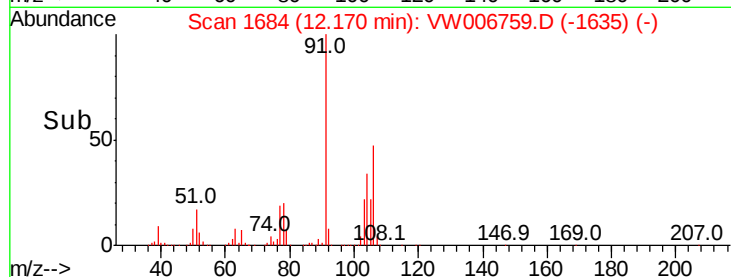
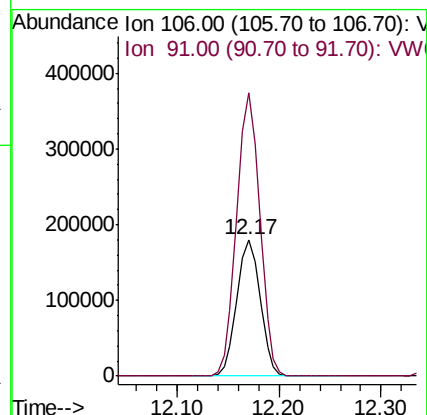
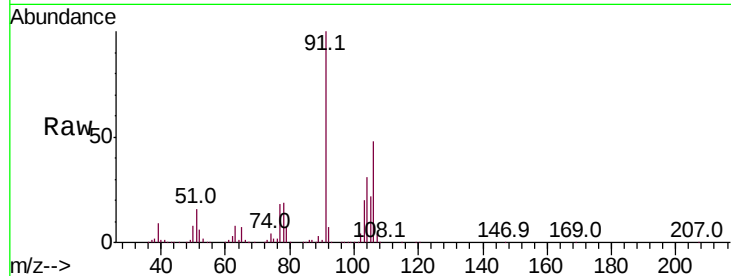




#69
o-Xylene
Concen: 55.132 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

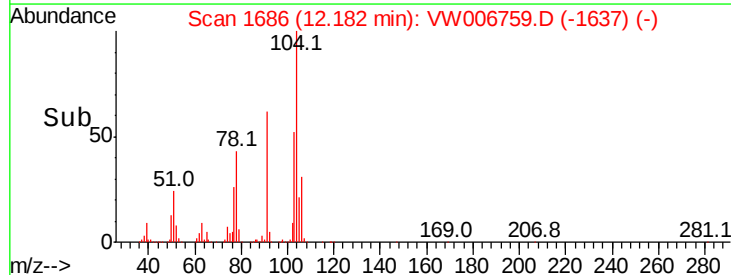
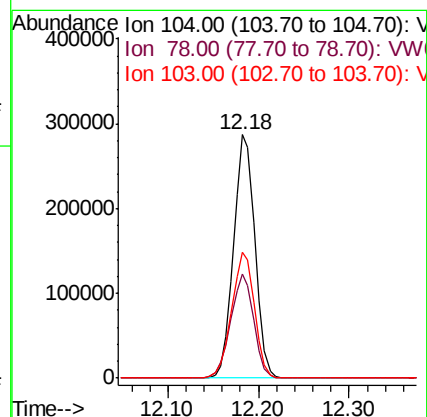
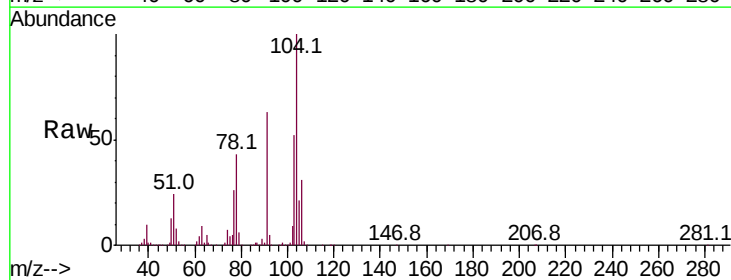
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

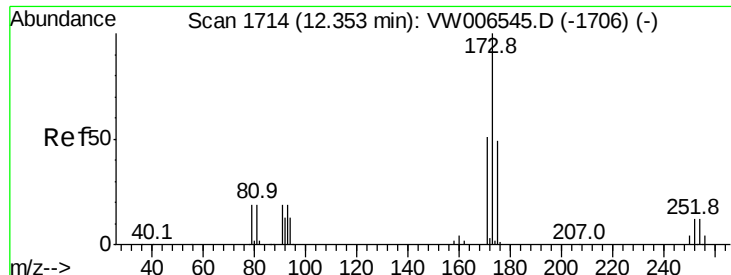
Tot Ion:106 Resp: 285842
Ion Ratio Lower Upper
106 100
91 206.2 102.8 308.4



#70
Styrene
Concen: 55.337 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:104 Resp: 467752
Ion Ratio Lower Upper
104 100
78 46.2 37.2 55.8
103 55.3 44.2 66.2

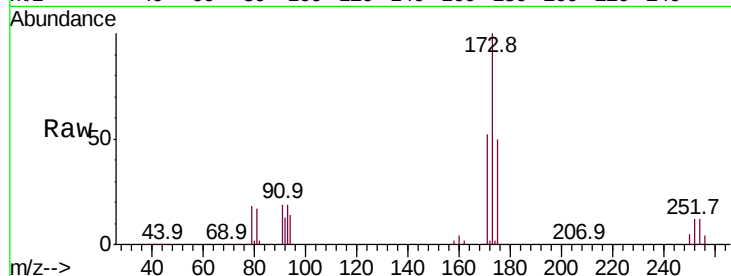




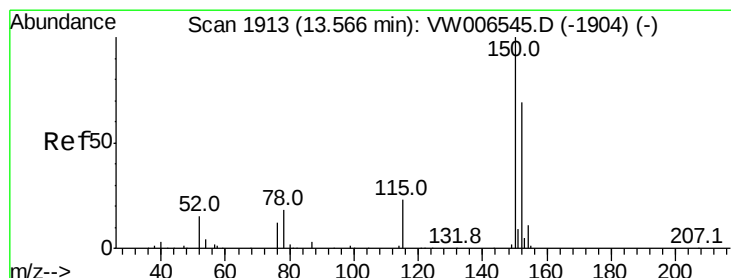
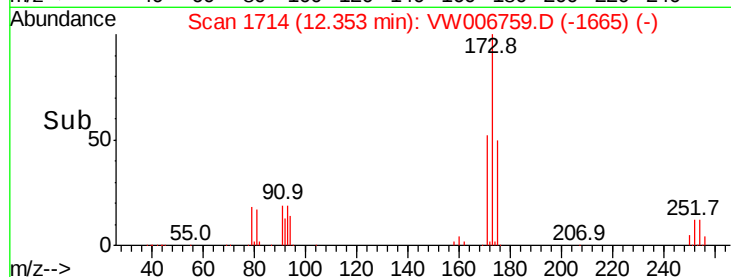
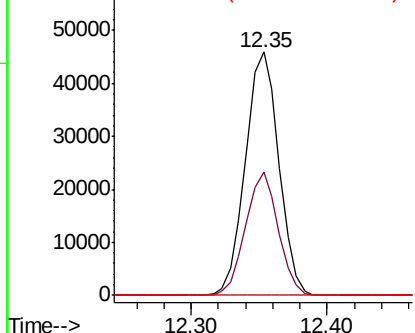
#71
Bromoform
Concen: 52.017 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 79038
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.4
254 0.2 0.1 0.1#

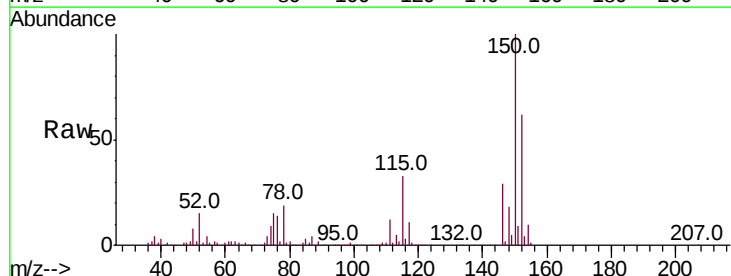


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

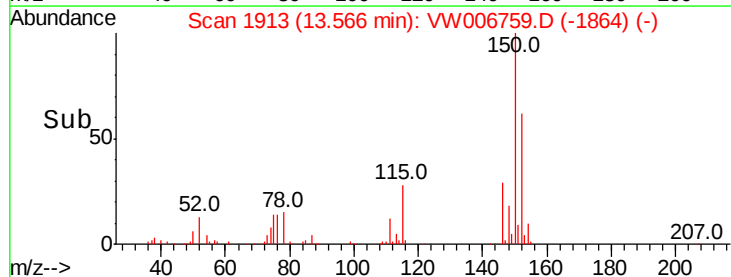
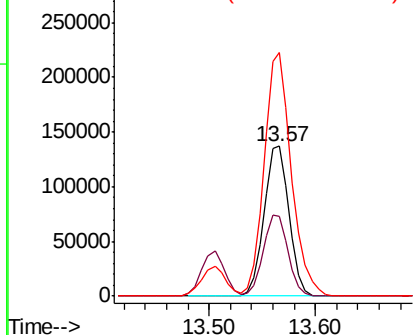


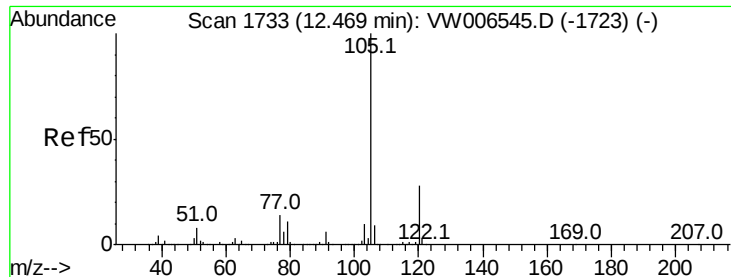
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:152 Resp: 224991
Ion Ratio Lower Upper
152 100
115 53.7 26.6 79.8
150 175.6 0.0 344.6



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





#73

Isopropylbenzene

Concen: 55.415 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

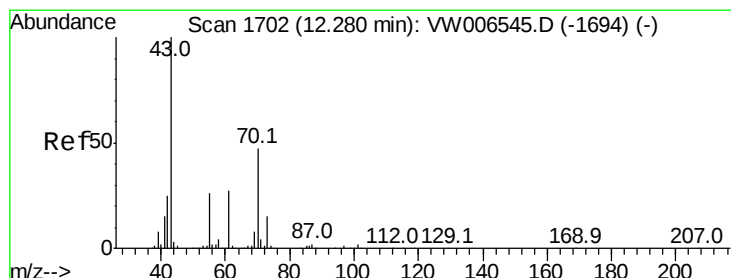
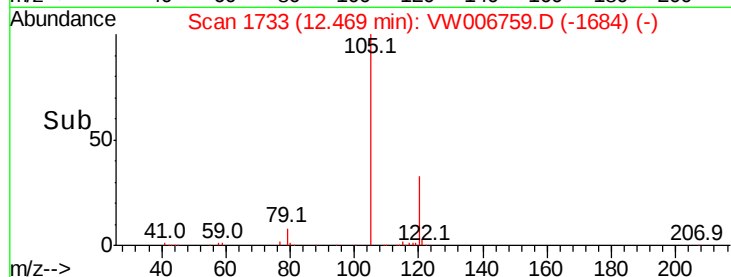
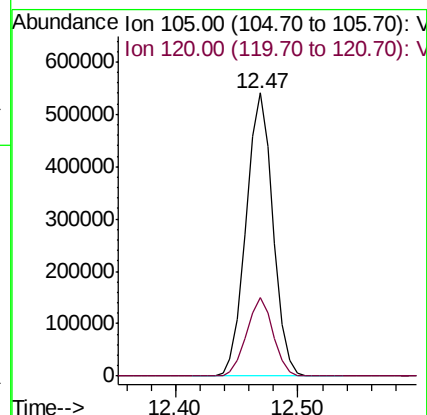
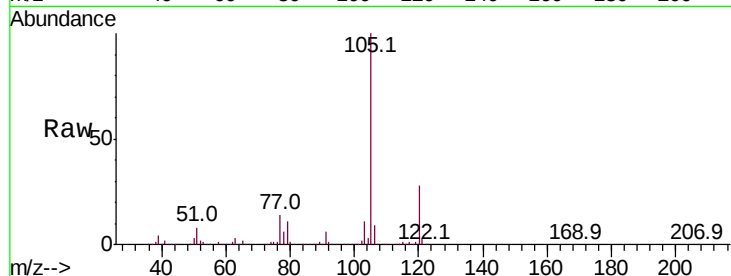
VSTDCCC050

Tot Ion:105 Resp: 821320

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



#74

N-ethyl acetate

Concen: 45.131 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Tgt Ion: 43 Resp: 115587

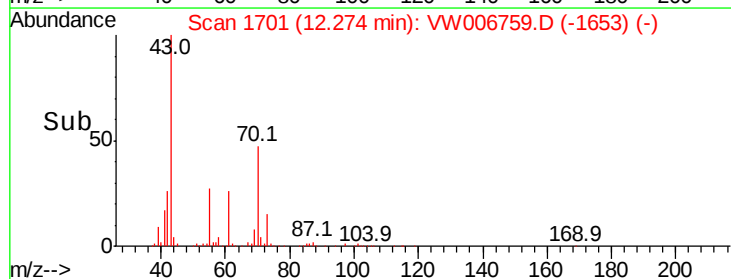
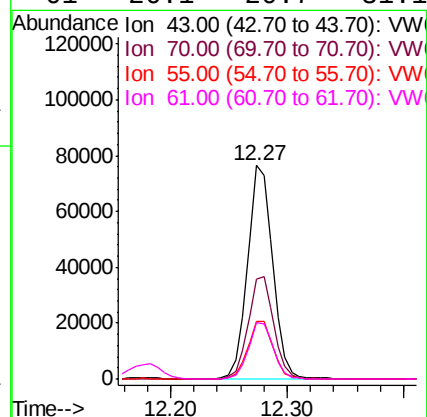
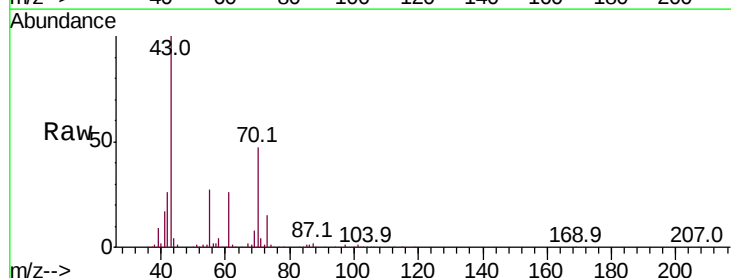
Ion Ratio Lower Upper

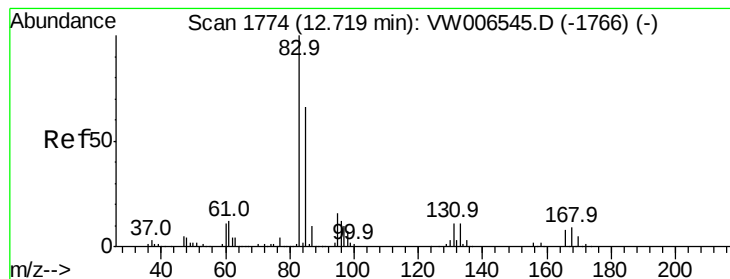
43 100

70 48.7 36.9 55.3

55 27.4 20.7 31.1

61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.416 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

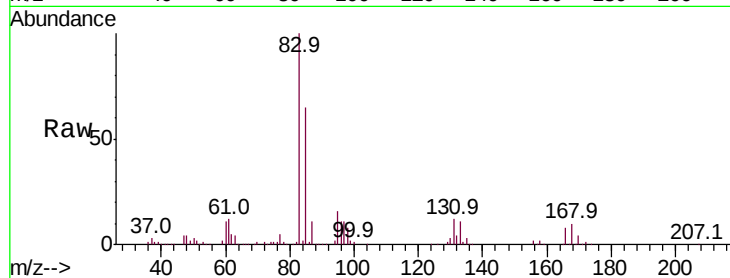
Tot Ion: 83 Resp: 110997

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.7

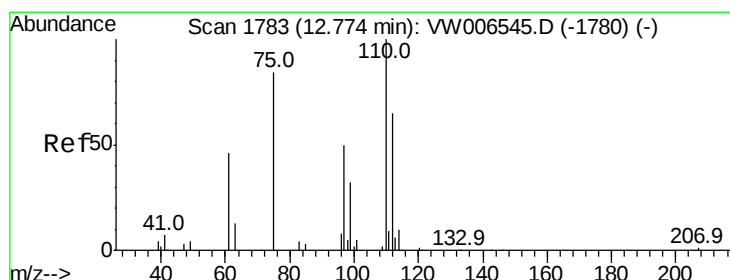
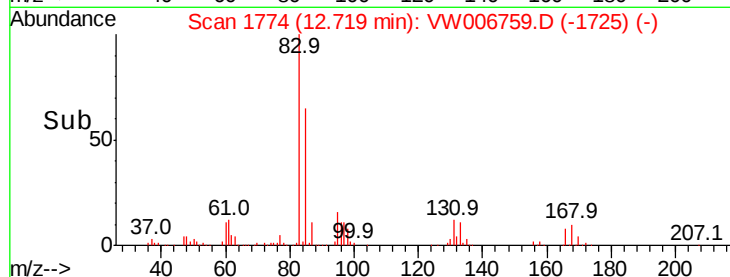
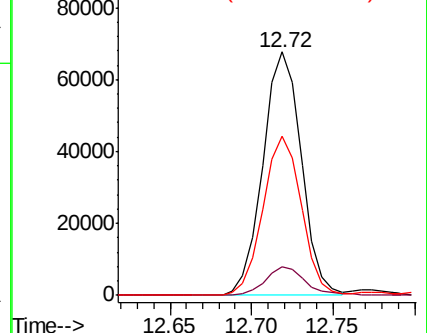
85 65.2 32.3 96.8



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: 82.407 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006759.D

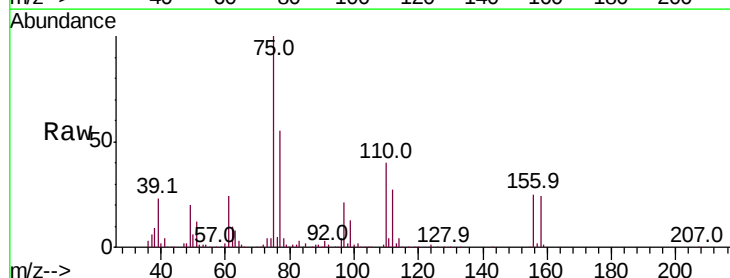
Acq: 08 Nov 2018 11:48

Tgt Ion: 75 Resp: 144661

Ion Ratio Lower Upper

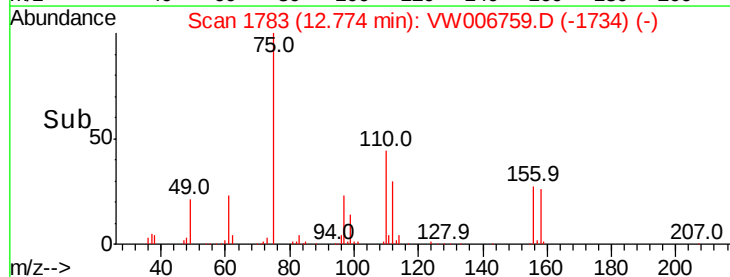
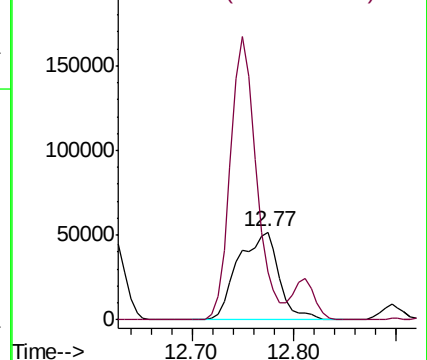
75 100

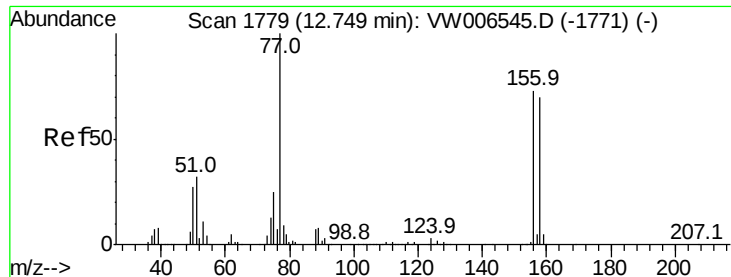
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

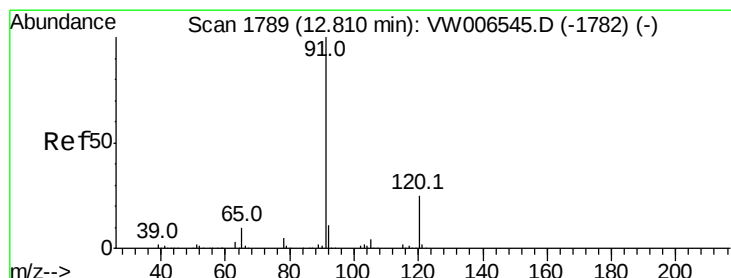
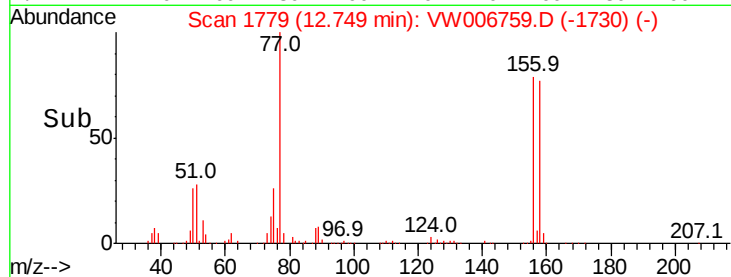
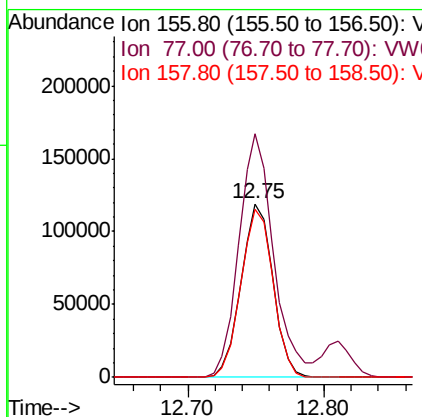
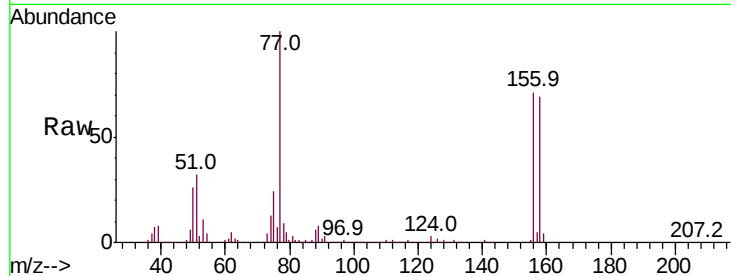




#77
Bromobenzene
Concen: 50.886 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

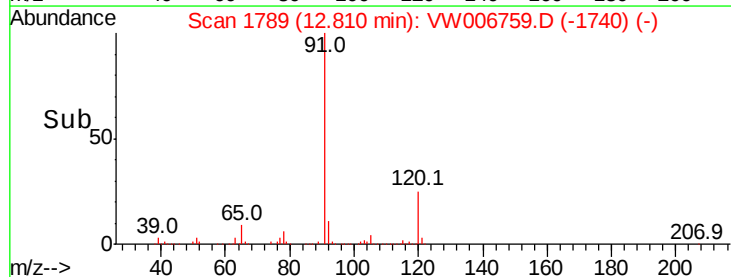
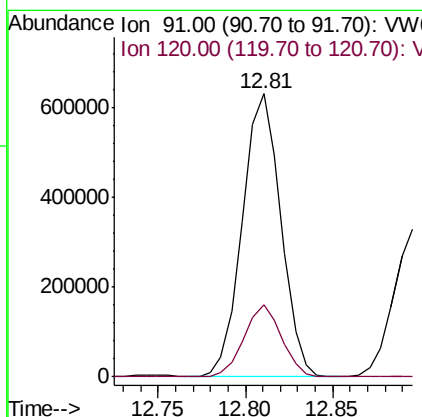
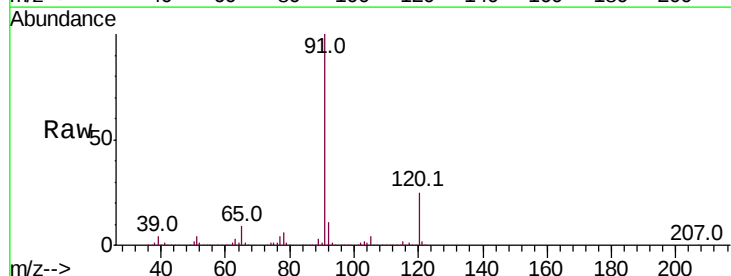
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

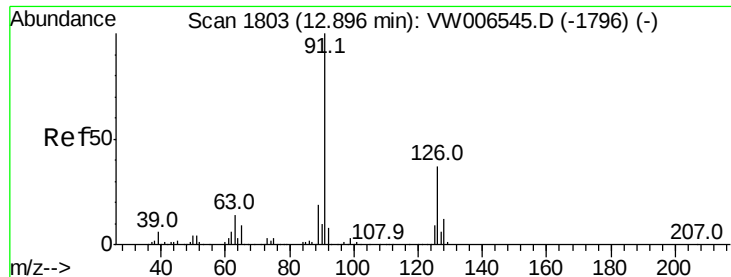
Tot Ion:156 Resp: 195270
Ion Ratio Lower Upper
156 100
77 152.7 75.9 227.8
158 97.9 48.6 145.9



#78
n-propylbenzene
Concen: 56.509 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 91 Resp: 963353
Ion Ratio Lower Upper
91 100
120 24.7 12.4 37.0





#79

2-Chlorotoluene

Concen: 53.889 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

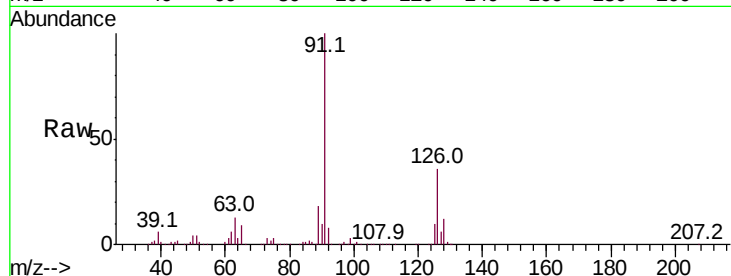
VSTDCCC050

Tot Ion: 91 Resp: 527233

Ion Ratio Lower Upper

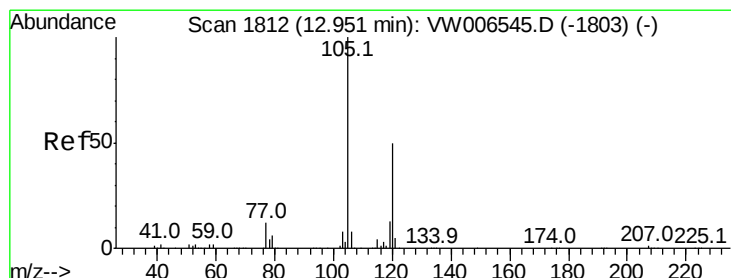
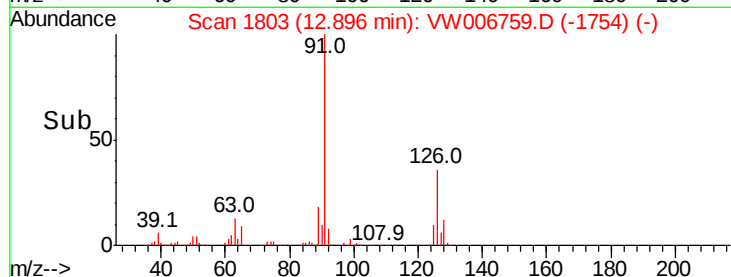
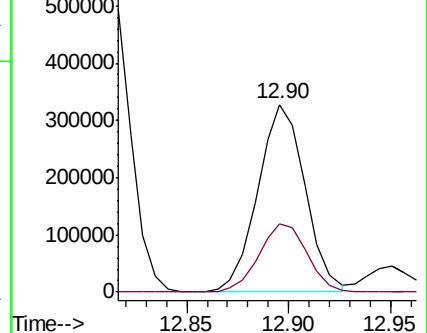
91 100

126 37.1 18.5 55.5



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: 55.237 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006759.D

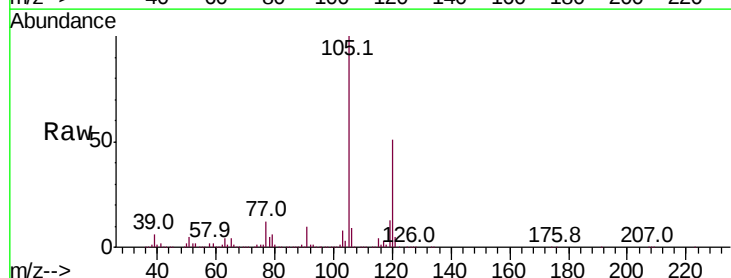
Acq: 08 Nov 2018 11:48

Tgt Ion: 105 Resp: 687795

Ion Ratio Lower Upper

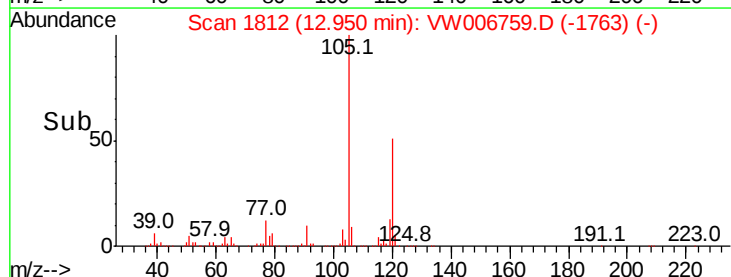
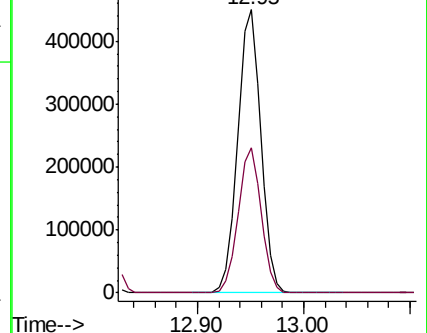
105 100

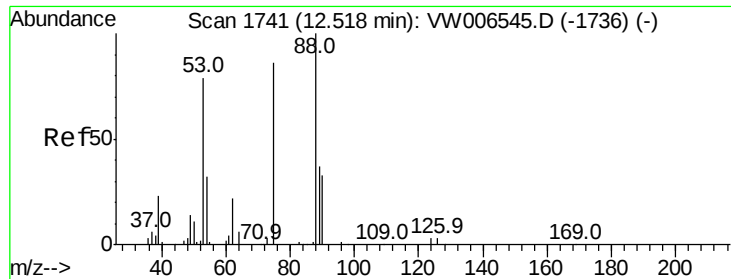
120 50.9 25.1 75.3



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: 49.550 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

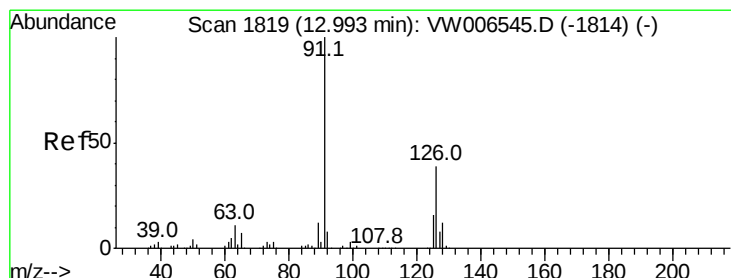
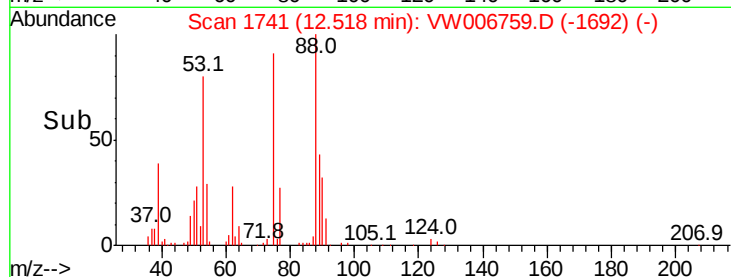
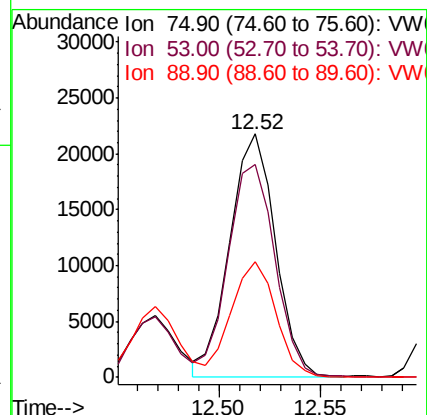
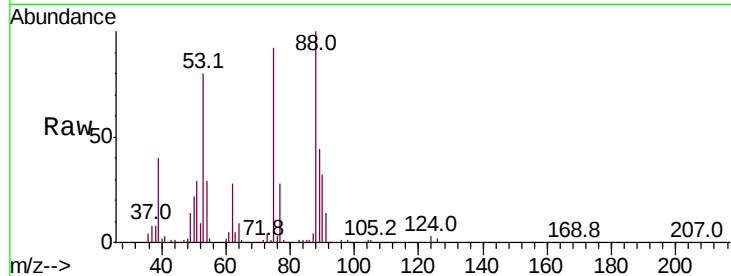
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 33570

Ion	Ratio	Lower	Upper
75	100		
53	91.2	77.2	115.8
89	46.3	38.6	58.0



#82

4-Chlorotoluene

Concen: 53.975 ug/l

RT: 12.99 min Scan# 1819

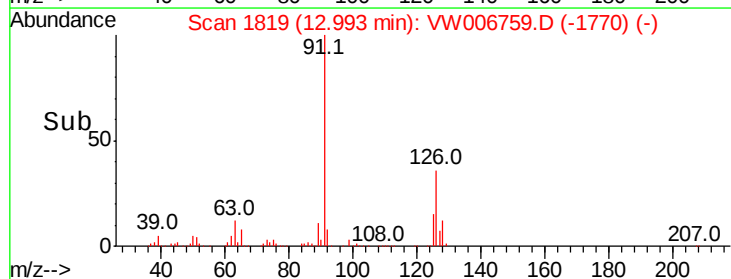
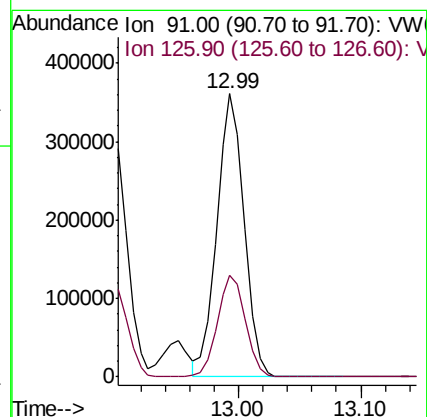
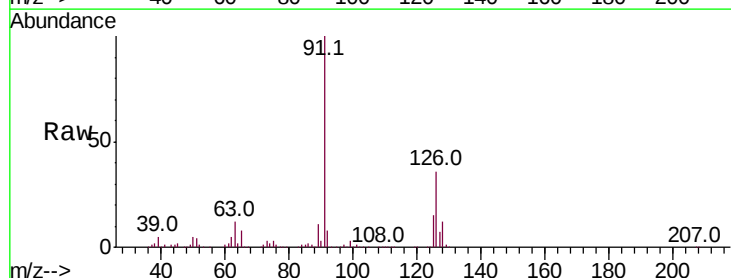
Delta R.T. -0.00 min

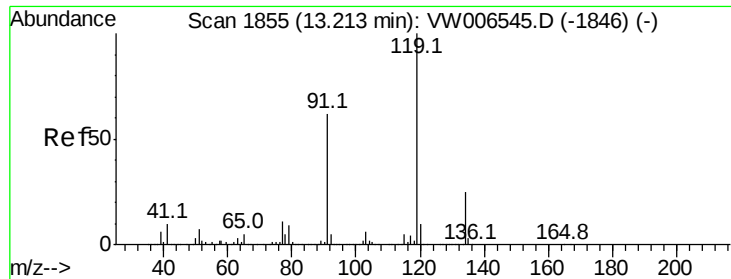
Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Tgt Ion: 91 Resp: 558680

Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5

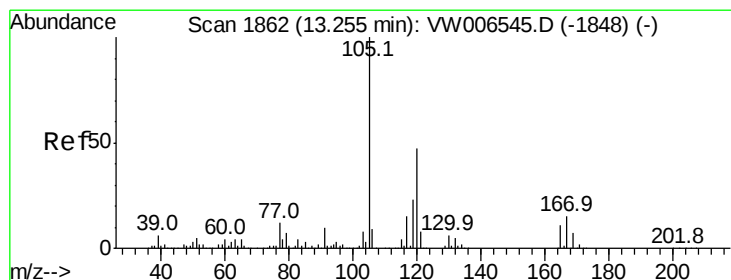
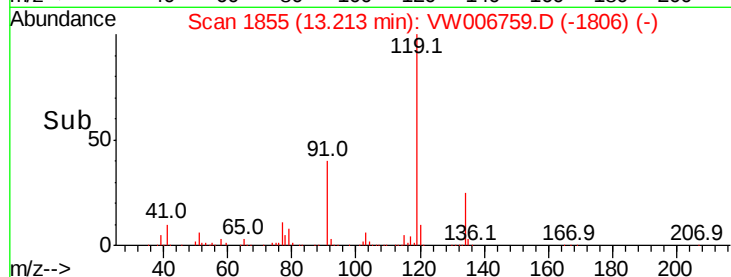
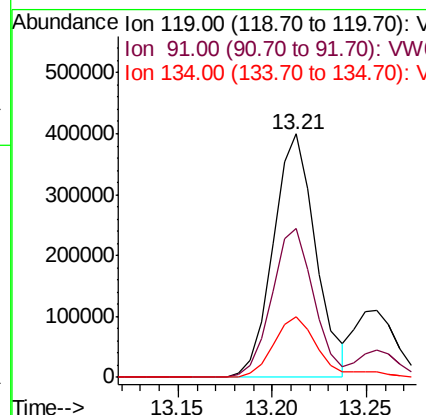
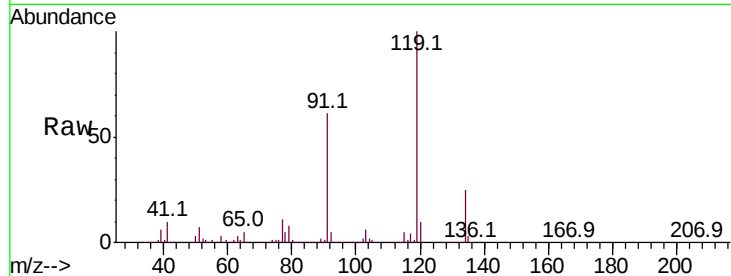




#83
tert-Butylbenzene
Concen: 56.284 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

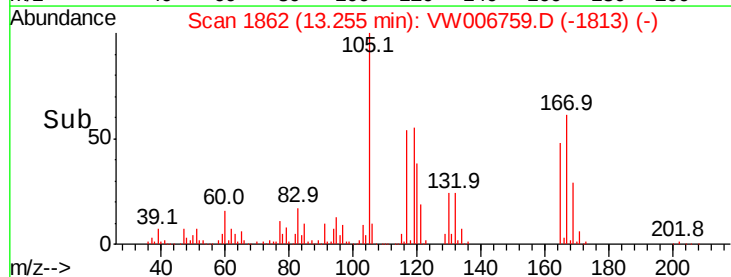
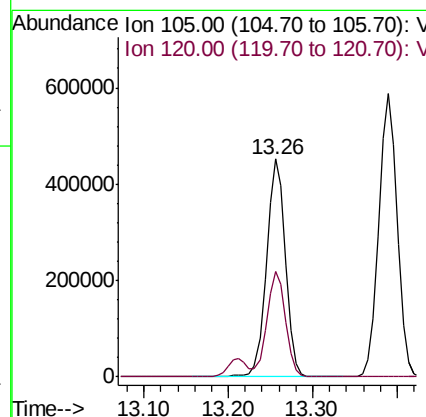
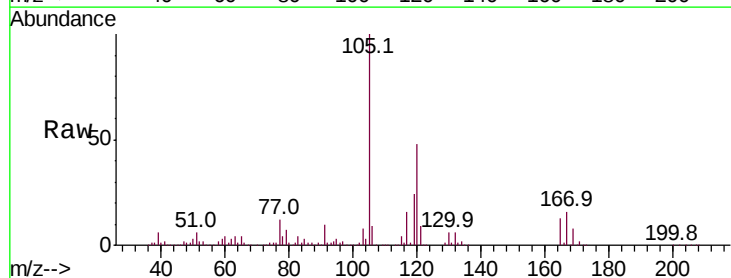
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

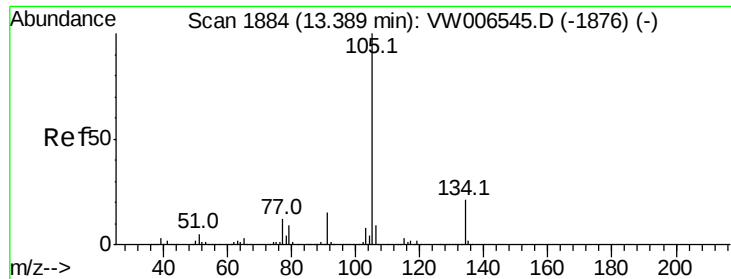
Tot Ion:119 Resp: 624980
Ion Ratio Lower Upper
119 100
91 60.4 30.4 91.3
134 26.8 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 54.479 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion:105 Resp: 695792
Ion Ratio Lower Upper
105 100
120 47.1 23.2 69.6

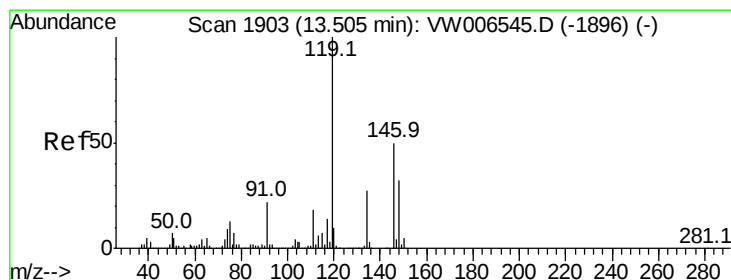
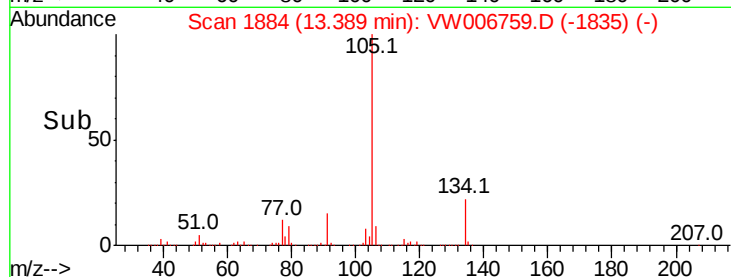
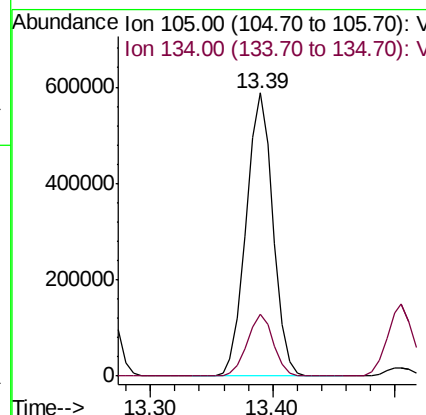
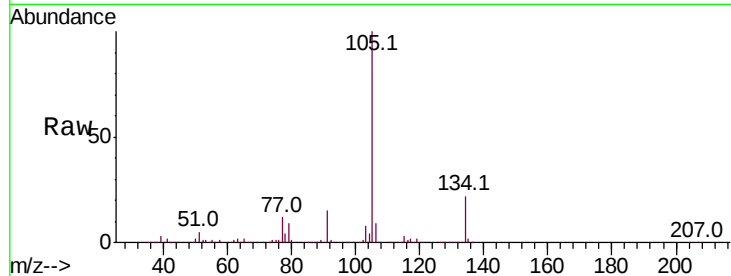




#85
 sec-Butylbenzene
 Concen: 57.332 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

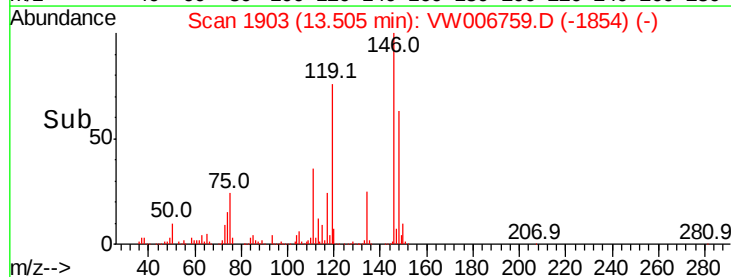
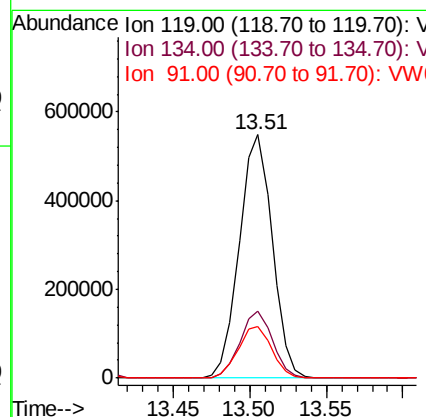
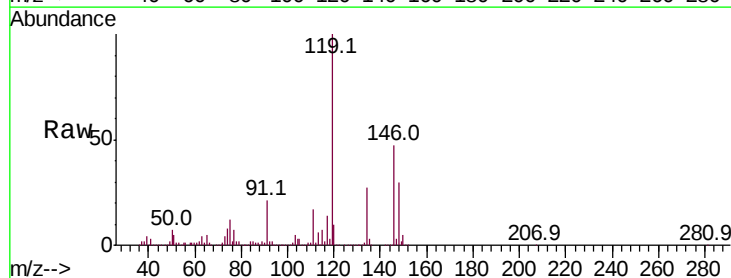
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

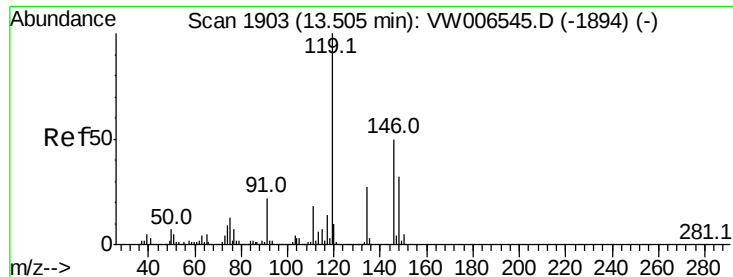
Tot Ion:105 Resp: 891624
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 57.744 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Tgt Ion:119 Resp: 817139
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.7
 91 21.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 53.648 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

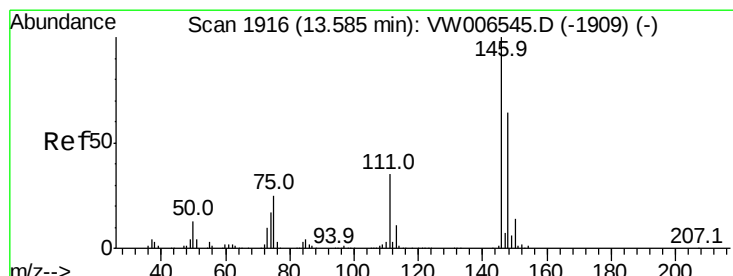
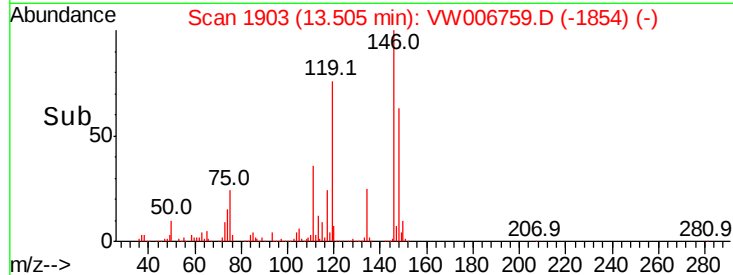
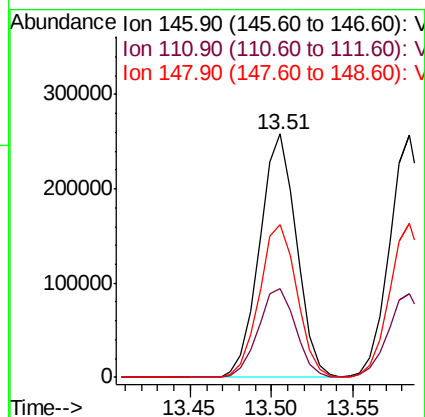
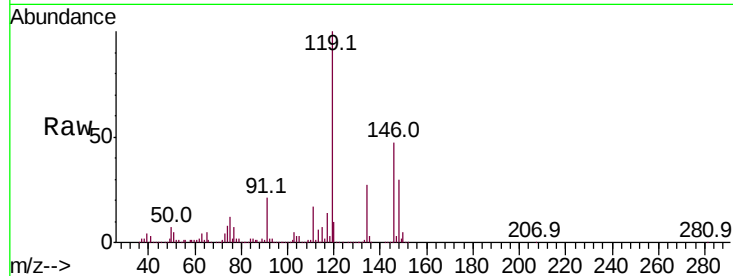
Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 405434

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.0	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 53.346 ug/l

RT: 13.58 min Scan# 1916

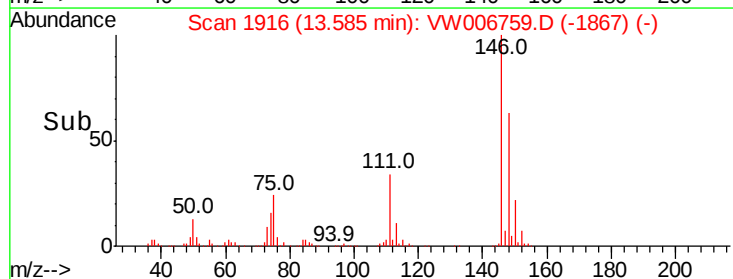
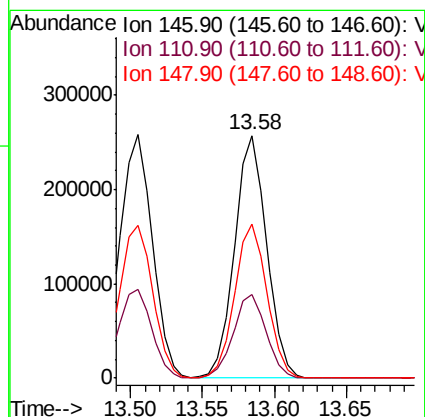
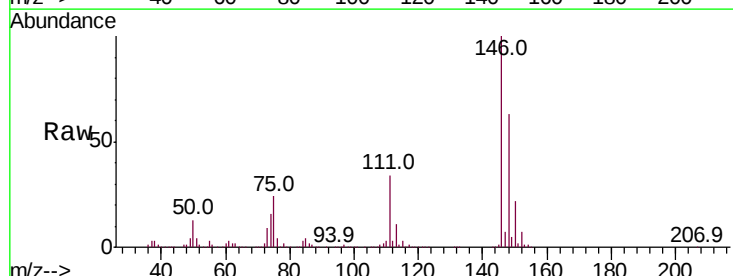
Delta R.T. -0.00 min

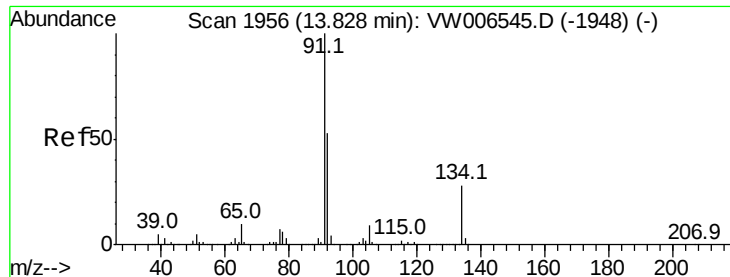
Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Tgt Ion:146 Resp: 399626

Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.9	53.7
148	64.1	32.1	96.5

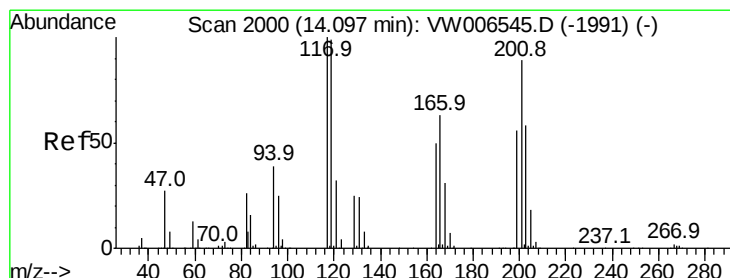
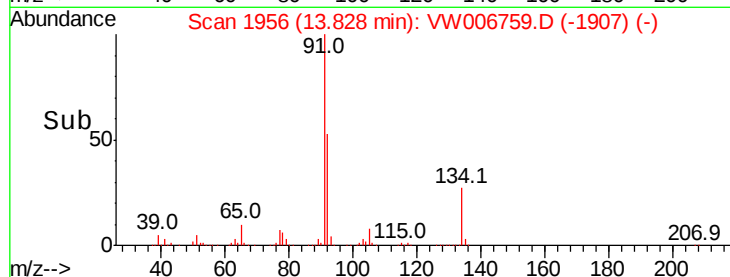
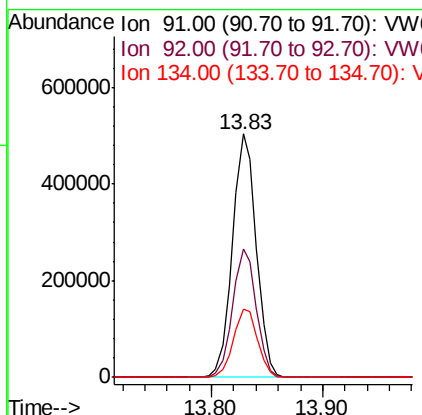
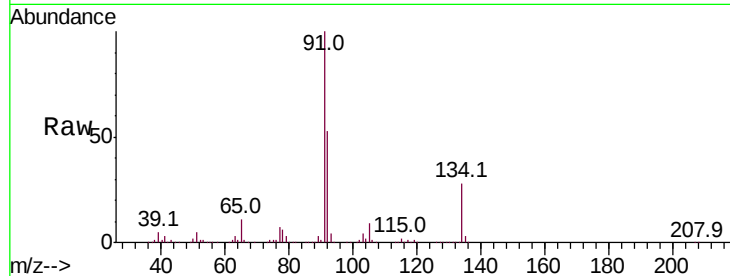




#89
n-Butylbenzene
Concen: 58.940 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

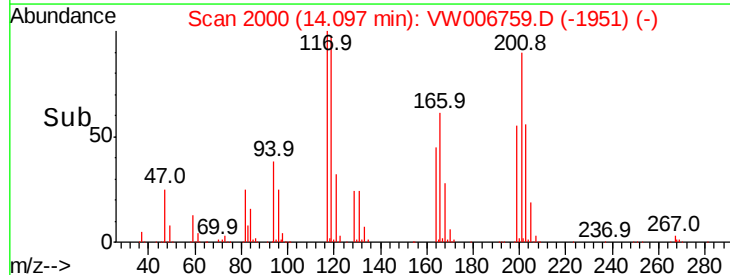
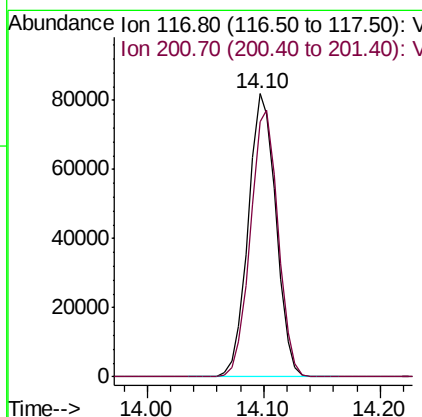
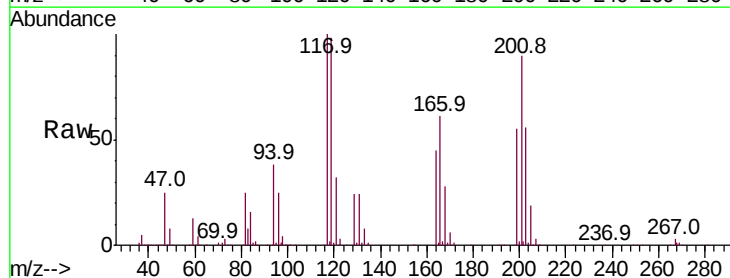
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

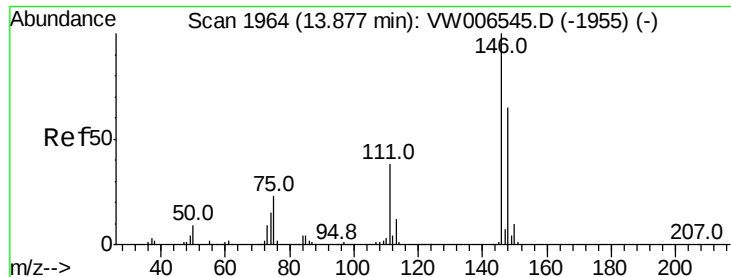
Tot Ion: 91 Resp: 740387
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 28.7 14.3 42.9



#90
Hexachloroethane
Concen: 58.794 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW006759.D
Acq: 08 Nov 2018 11:48

Tgt Ion: 117 Resp: 136742
Ion Ratio Lower Upper
117 100
201 93.4 46.8 140.3





#91

1,2-Dichlorobenzene

Concen: 51.808 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

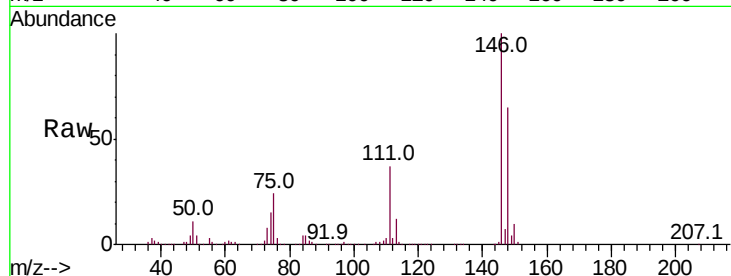
Tot Ion:146 Resp: 352184

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

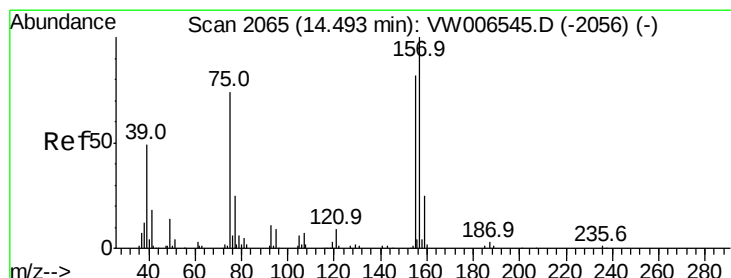
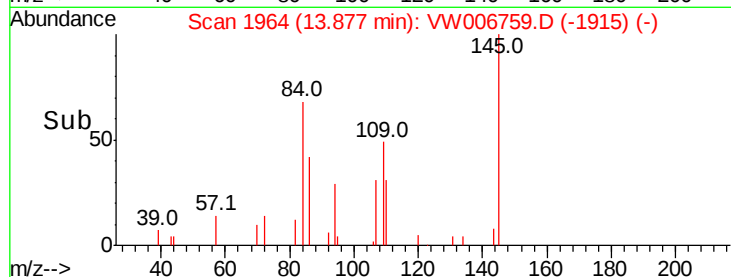
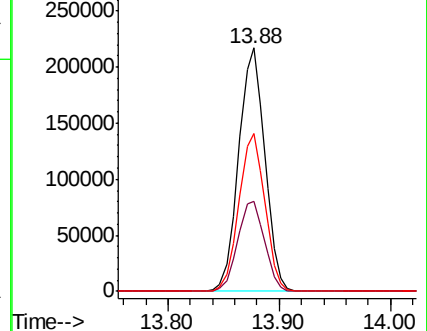
148 64.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.121 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

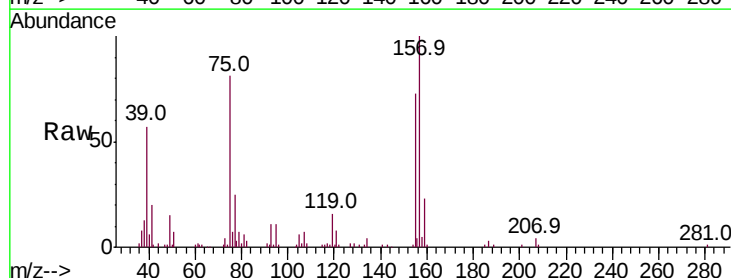
Tgt Ion: 75 Resp: 16759

Ion Ratio Lower Upper

75 100

155 102.6 50.6 151.8

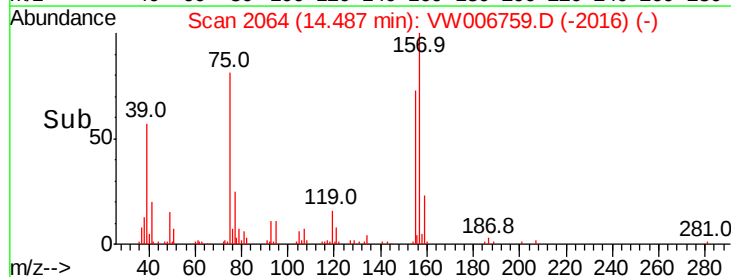
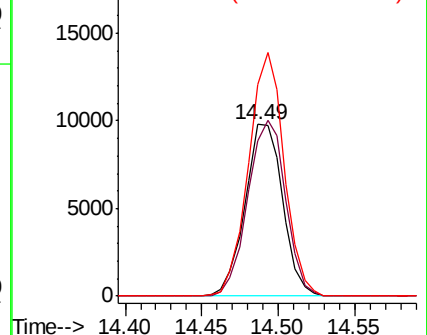
157 133.8 65.0 195.0

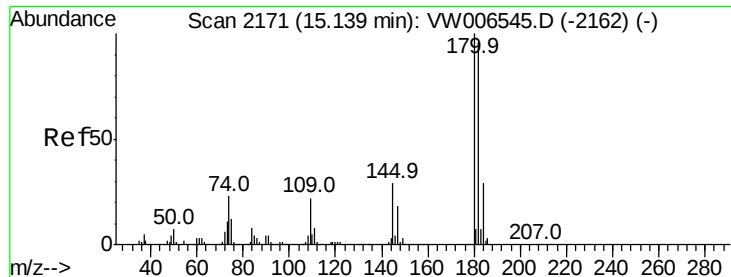


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

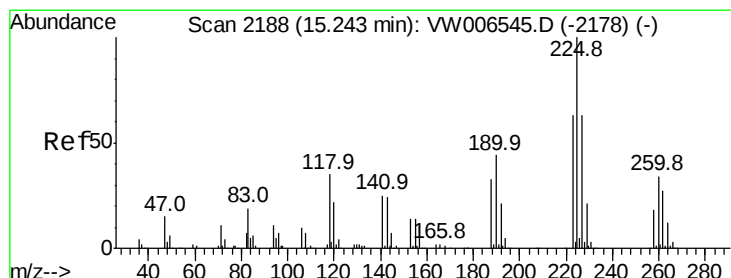
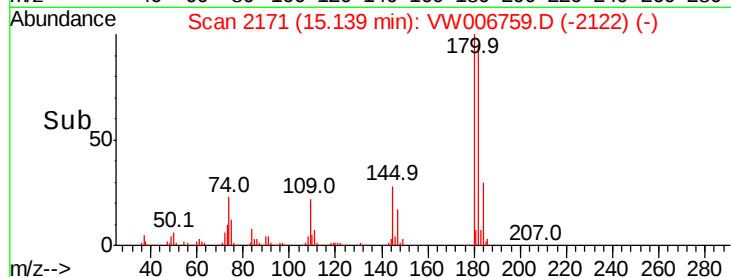
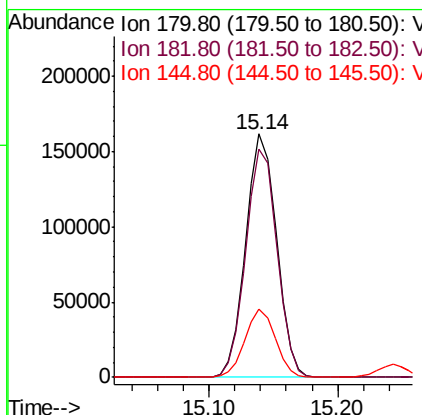
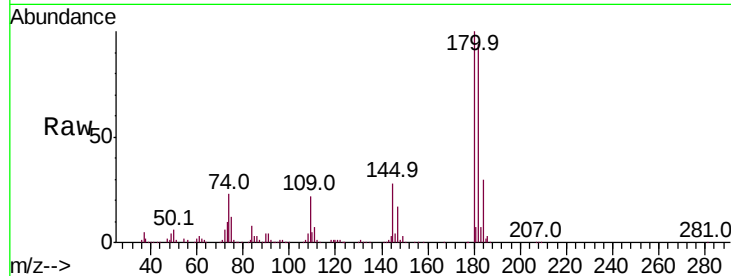




#93
 1,2,4-Trichlorobenzene
 Concen: 52.856 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

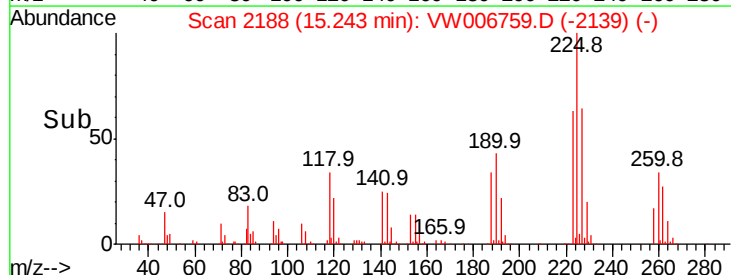
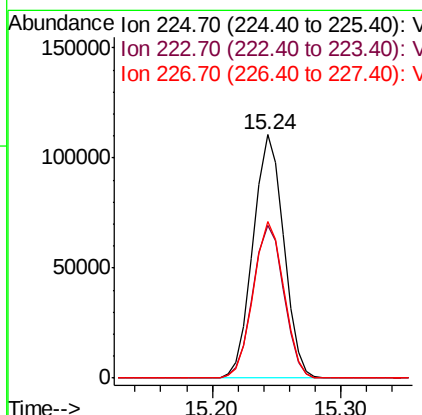
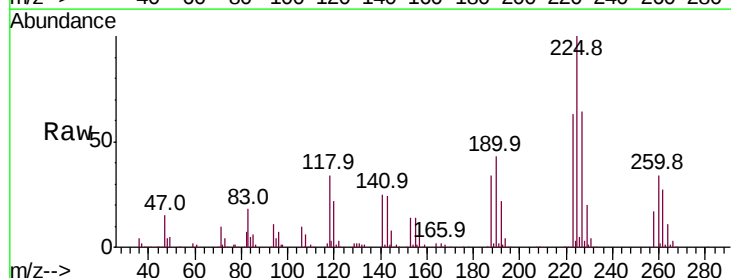
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

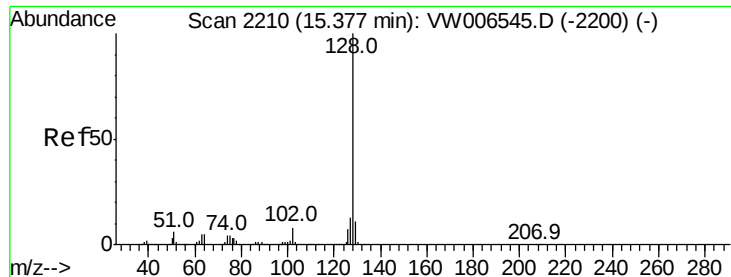
Tot Ion:180 Resp: 267173
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.5 142.6
 145 28.0 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 57.630 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006759.D
 Acq: 08 Nov 2018 11:48

Tgt Ion:225 Resp: 181557
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 64.2 32.2 96.6





#95

Naphthalene

Concen: 48.419 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

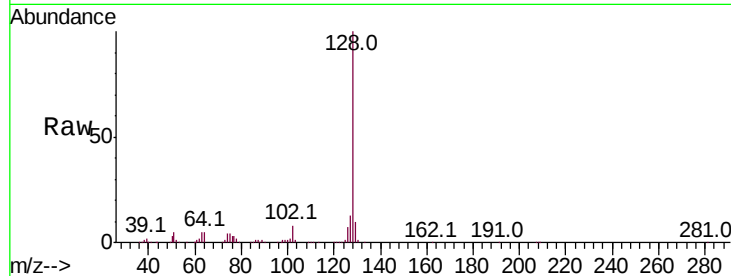
Tot Ion:128 Resp: 393357

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

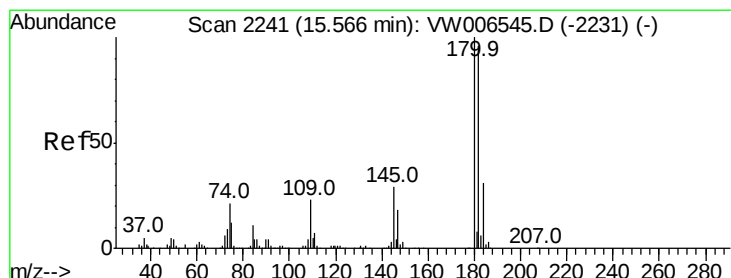
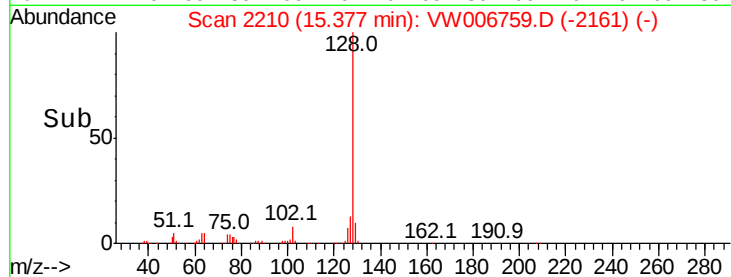
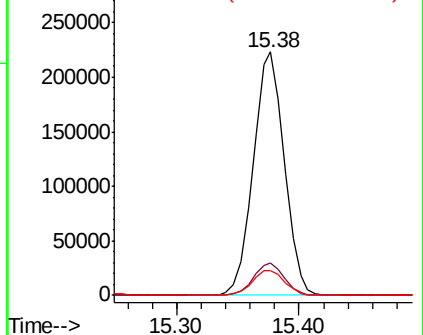
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.118 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006759.D

Acq: 08 Nov 2018 11:48

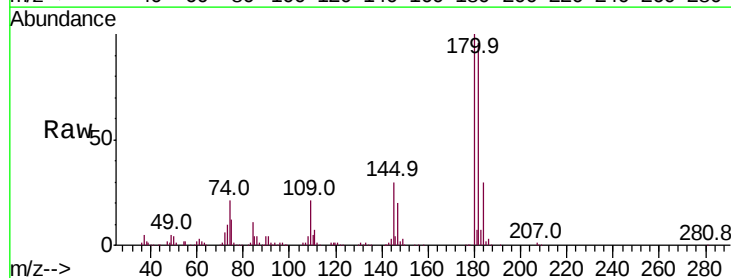
Tgt Ion:180 Resp: 227091

Ion Ratio Lower Upper

180 100

182 95.5 48.2 144.6

145 29.4 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

