

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006265.D
 Acq On : 22 Oct 2018 21:36
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 23 04:08:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	353291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180150	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	107731	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.89	113	111310	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	10.33	98	393936	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.62	95	152426	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	65726	53.645	ug/l	99
3) Chloromethane	2.21	50	73827	46.811	ug/l	97
4) Vinyl Chloride	2.37	62	114330	50.762	ug/l	99
5) Bromomethane	2.79	94	98706	48.184	ug/l	98
6) Chloroethane	2.93	64	85239	52.810	ug/l	99
7) Trichlorofluoromethane	3.26	101	102223	48.720	ug/l	99
8) Diethyl Ether	3.68	74	59630	53.476	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117059	53.237	ug/l	99
10) Methyl Iodide	4.27	142	201834	55.150	ug/l	100
11) Tert butyl alcohol	5.25	59	36865	267.044	ug/l	95
12) 1,1-Dichloroethene	4.04	96	109115	52.746	ug/l	93
13) Acrolein	3.90	56	31157	233.245	ug/l	95
14) Allyl chloride	4.67	41	153266	51.816	ug/l	100
15) Acrylonitrile	5.38	53	113714	284.319	ug/l	100
16) Acetone	4.15	43	106061	277.021	ug/l	100
17) Carbon Disulfide	4.38	76	303829	48.664	ug/l	99
18) Methyl Acetate	4.68	43	56883	55.067	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	174580	55.408	ug/l	100
20) Methylene Chloride	4.92	84	127014	58.766	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	123494	53.483	ug/l	99
22) Diisopropyl ether	6.32	45	321084	54.931	ug/l	99
23) Vinyl Acetate	6.26	43	934108	270.790	ug/l	98
24) 1,1-Dichloroethane	6.22	63	207608	55.044	ug/l	99
25) 2-Butanone	7.18	43	151572	273.341	ug/l	97
26) 2,2-Dichloropropane	7.17	77	131949	49.602	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	142212	55.811	ug/l	99
28) Bromochloromethane	7.51	49	83574	57.396	ug/l	94
29) Tetrahydrofuran	7.54	42	94811	278.162	ug/l	99
30) Chloroform	7.68	83	229823	55.928	ug/l	99
31) Cyclohexane	7.96	56	181291	48.267	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	198780	53.626	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174315	53.531	ug/l	99
37) Ethyl Acetate	7.26	43	64658	53.442	ug/l	99
38) Carbon Tetrachloride	8.07	117	189209	53.003	ug/l	98

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 QLast Update : Thu Oct 18 17:01:24 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216239	49.956	ug/l	98
40) Benzene	8.33	78	495234	55.442	ug/l	98
41) Methacrylonitrile	7.49	41	41090	56.338	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149347	56.908	ug/l	99
43) Isopropyl Acetate	8.43	43	132719	53.651	ug/l	99
44) Trichloroethene	9.09	130	150101	54.772	ug/l	99
45) 1,2-Dichloropropane	9.37	63	113776	53.229	ug/l	97
46) Dibromomethane	9.46	93	65845	54.049	ug/l	99
47) Bromodichloromethane	9.65	83	155038	52.491	ug/l	100
48) Methyl methacrylate	9.44	41	63707	54.331	ug/l	97
49) 1,4-Dioxane	9.49	88	22121	1179.496	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	330553	266.697	ug/l	98
52) Toluene	10.39	92	316067	52.779	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	155178	52.732	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	178459	52.840	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	93717	54.972	ug/l	98
56) Ethyl methacrylate	10.65	69	113921	54.508	ug/l	96
57) 1,3-Dichloropropane	10.93	76	153121	54.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	200160	250.639	ug/l	99
59) 2-Hexanone	10.98	43	229662	259.578	ug/l	97
60) Dibromochloromethane	11.13	129	112280	52.875	ug/l	99
61) 1,2-Dibromoethane	11.24	107	96950	56.915	ug/l	99
64) Tetrachloroethene	10.87	164	133937	55.336	ug/l	96
65) Chlorobenzene	11.66	112	368644	55.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	132452	55.841	ug/l	99
67) Ethyl Benzene	11.74	91	634313	54.838	ug/l	99
68) m/p-Xylenes	11.85	106	502058	109.814	ug/l	99
69) o-Xylene	12.17	106	240794	55.264	ug/l	99
70) Styrene	12.19	104	396045	55.897	ug/l	99
71) Bromoform	12.35	173	72952	55.141	ug/l #	99
73) Isopropylbenzene	12.47	105	680664	53.482	ug/l	100
74) N-amyl acetate	12.28	43	128679	52.056	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	111269	57.482	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	138615	100.738	ug/l #	100
77) Bromobenzene	12.75	156	169438	54.355	ug/l	100
78) n-propylbenzene	12.81	91	783269	52.899	ug/l	99
79) 2-Chlorotoluene	12.90	91	445868	53.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	571520	53.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	29607	51.434	ug/l	98
82) 4-Chlorotoluene	12.99	91	485828	55.747	ug/l	99
83) tert-Butylbenzene	13.21	119	508472	52.969	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	591020	54.437	ug/l	99
85) sec-Butylbenzene	13.39	105	726409	53.564	ug/l	100
86) p-Isopropyltoluene	13.51	119	658275	53.665	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	337178	54.349	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332882	53.891	ug/l	100
89) n-Butylbenzene	13.83	91	599586	53.448	ug/l	100
90) Hexachloroethane	14.10	117	107879	51.922	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	303004	54.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18073	52.148	ug/l	92

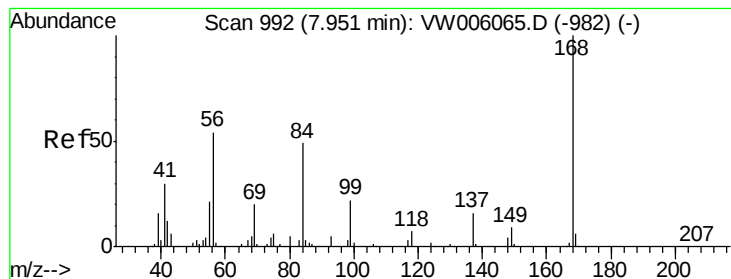
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	229785	53.966	ug/l	99
94) Hexachlorobutadiene	15.24	225	144816	54.140	ug/l	99
95) Naphthalene	15.38	128	396548	55.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	205020	55.668	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: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

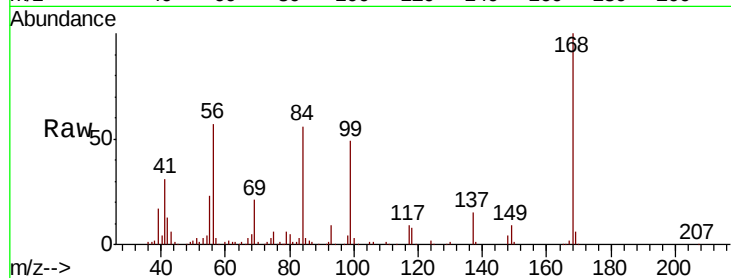
VSTDCCC050EC

Tot Ion:168 Resp: 247587

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

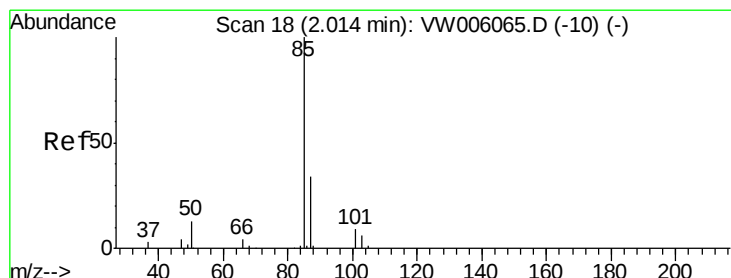
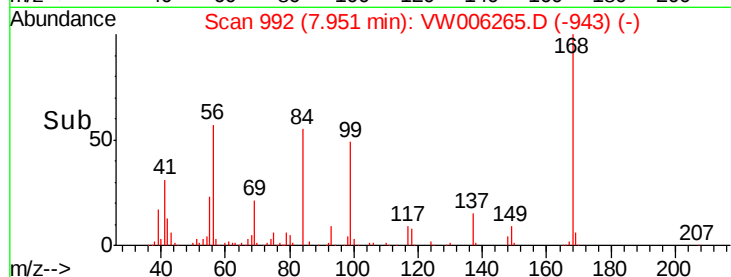
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 53.645 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006265.D

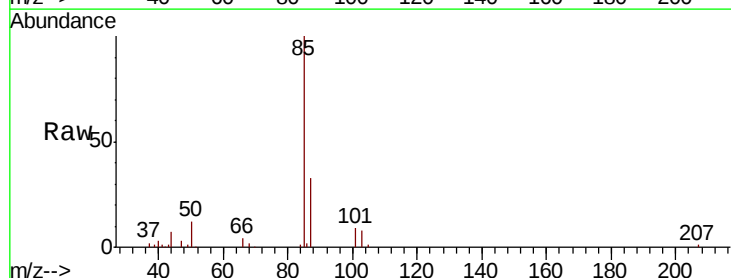
Acq: 22 Oct 2018 21:36

Tgt Ion: 85 Resp: 65726

Ion Ratio Lower Upper

85 100

87 33.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

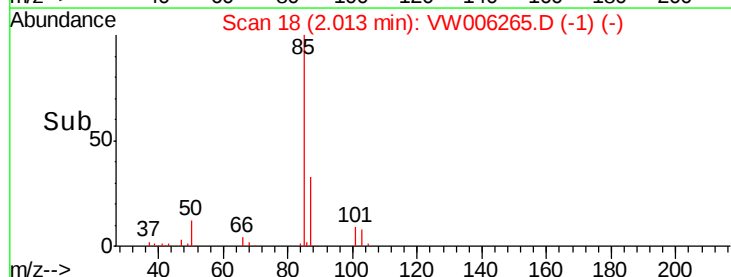
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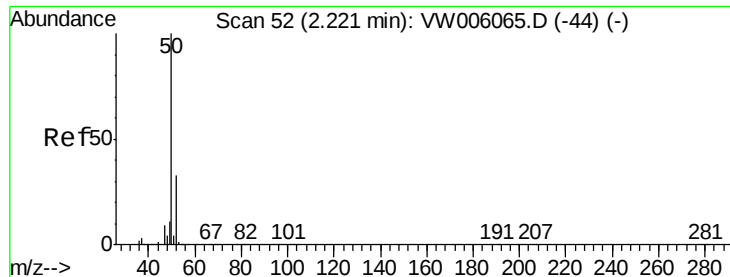
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 46.811 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

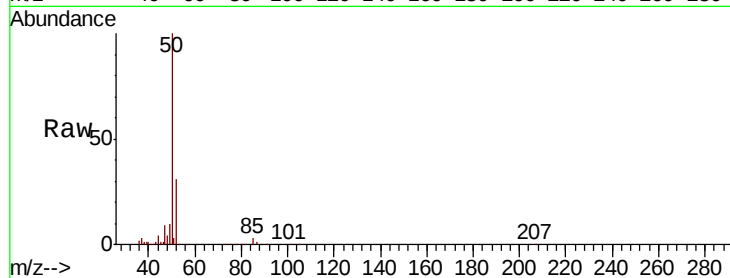
VSTDCCC050EC

Tot Ion: 50 Resp: 73827

Ion Ratio Lower Upper

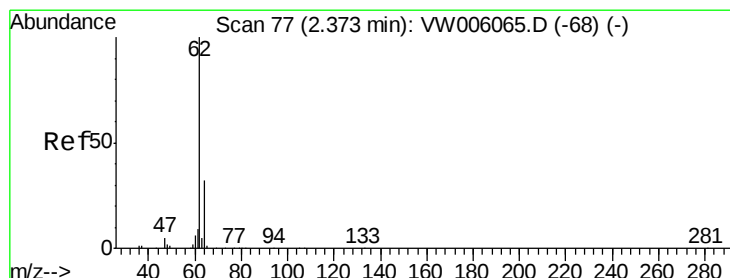
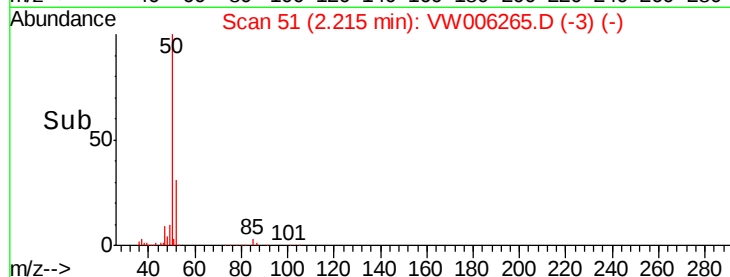
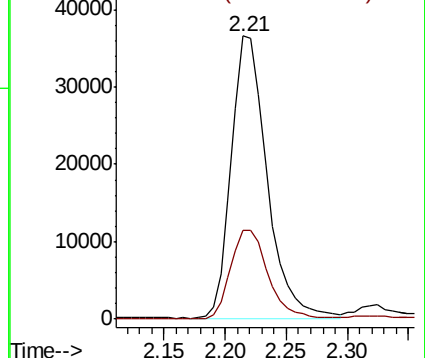
50 100

52 31.5 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.762 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006265.D

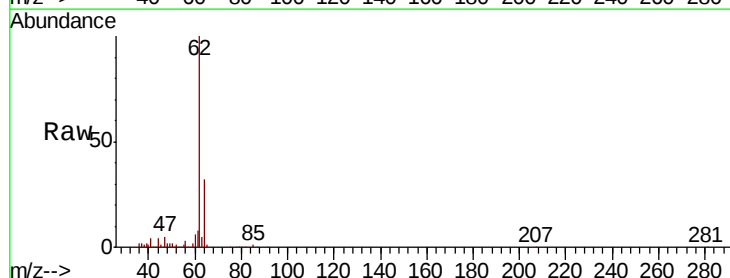
Acq: 22 Oct 2018 21:36

Tgt Ion: 62 Resp: 114330

Ion Ratio Lower Upper

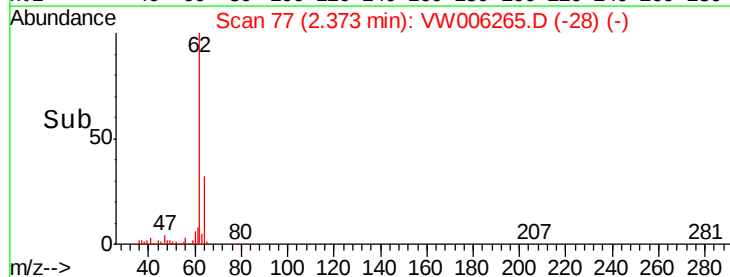
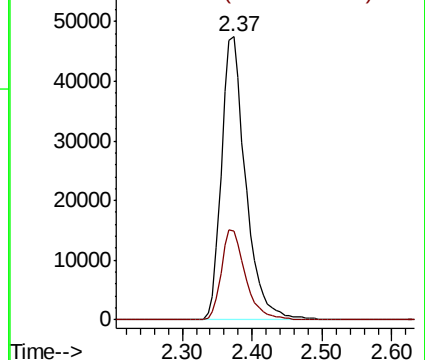
62 100

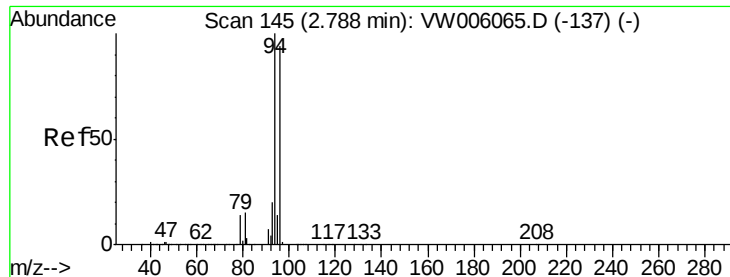
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.184 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

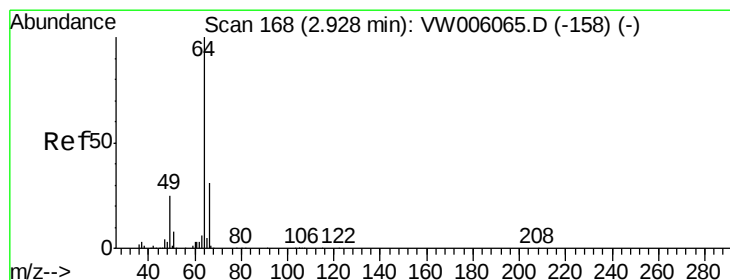
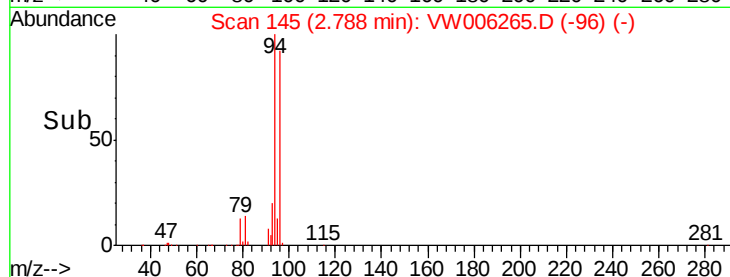
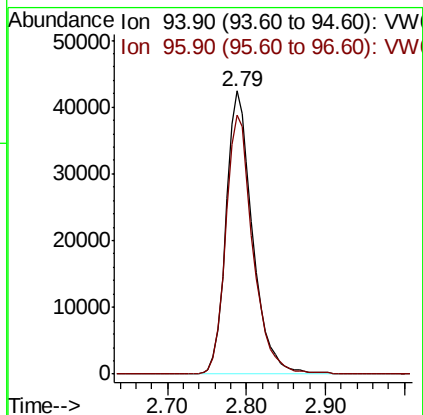
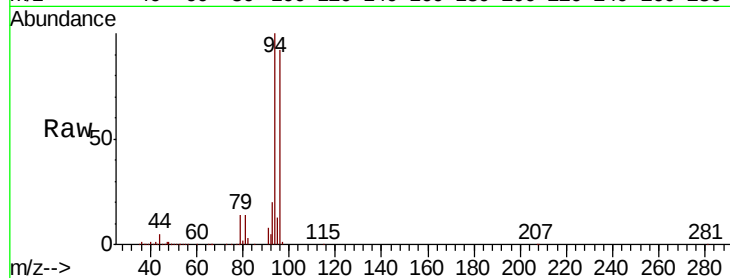
VSTDCCC050EC

Tot Ion: 94 Resp: 98706

Ion Ratio Lower Upper

94 100

96 91.6 74.9 112.3



#6

Chloroethane

Concen: 52.810 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006265.D

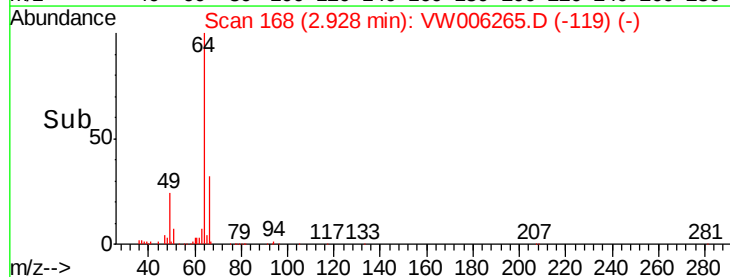
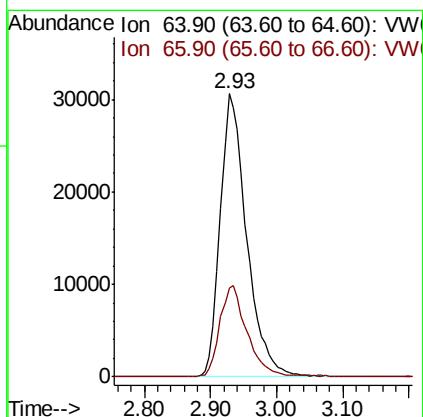
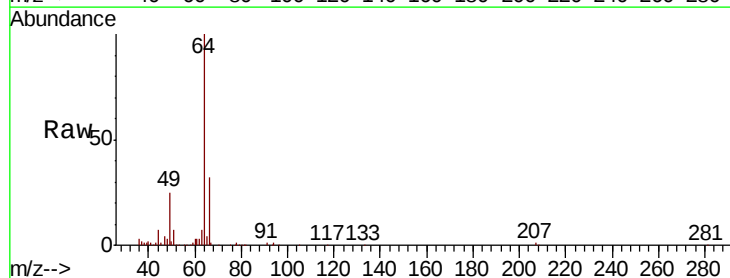
Acq: 22 Oct 2018 21:36

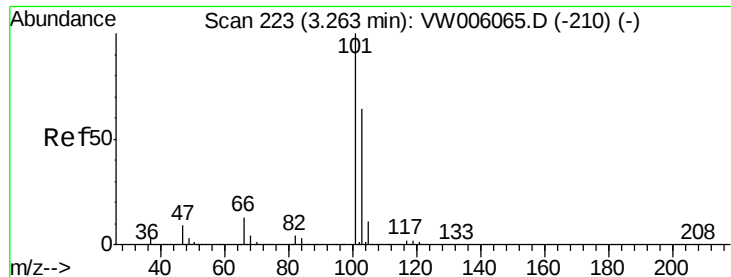
Tgt Ion: 64 Resp: 85239

Ion Ratio Lower Upper

64 100

66 31.4 24.9 37.3



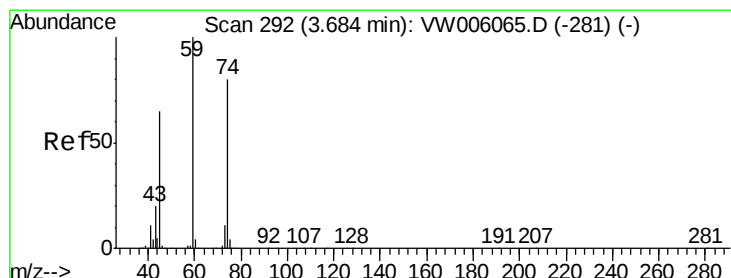
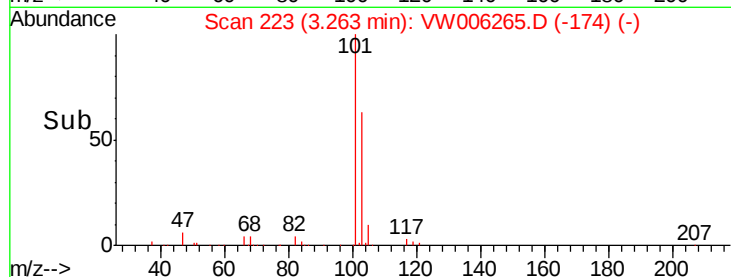
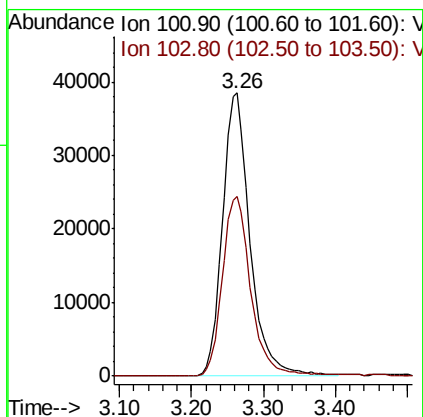
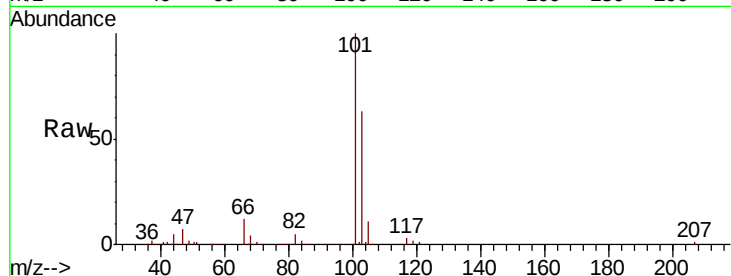


#7

Trichlorofluoromethane
 Concen: 48.720 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

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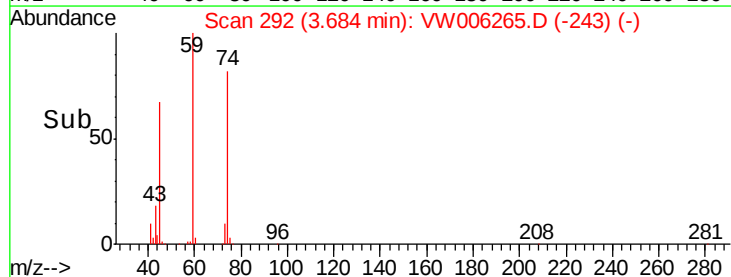
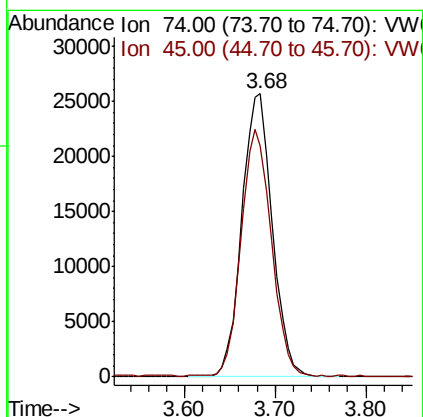
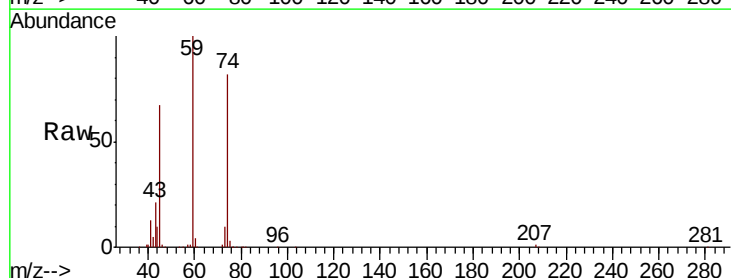
Tot Ion:101 Resp: 102223
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.2 76.8

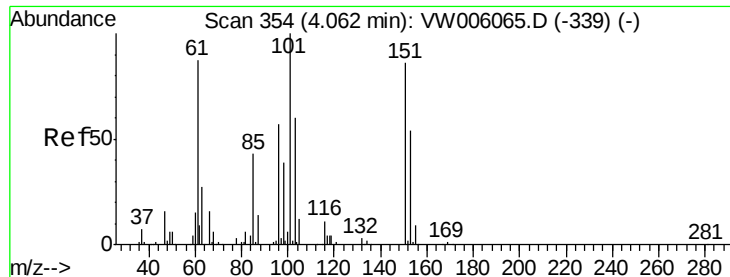


#8

Diethyl Ether
 Concen: 53.476 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion: 74 Resp: 59630
 Ion Ratio Lower Upper
 74 100
 45 86.7 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.237 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

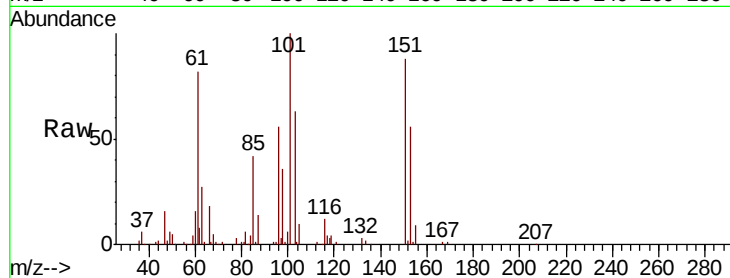
Tot Ion:101 Resp: 117059

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

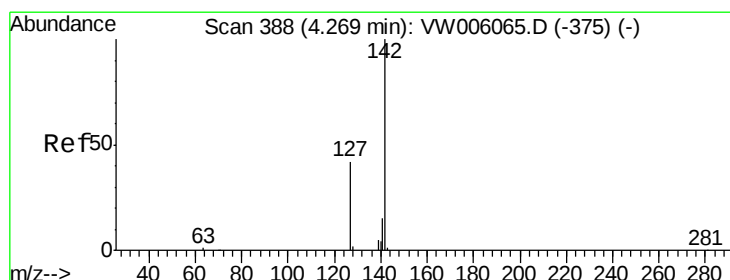
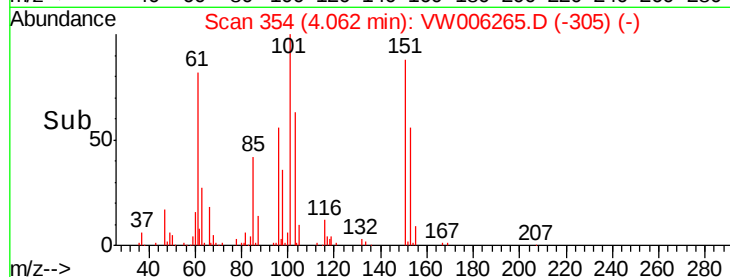
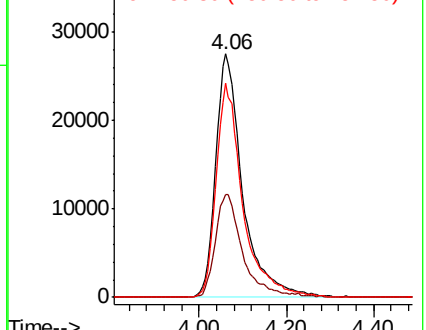
151 87.3 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.150 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

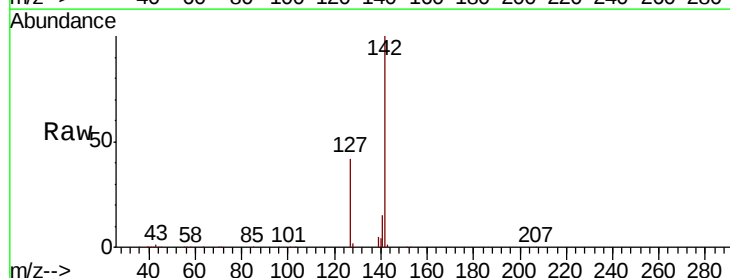
Tgt Ion:142 Resp: 201834

Ion Ratio Lower Upper

142 100

127 41.8 33.6 50.4

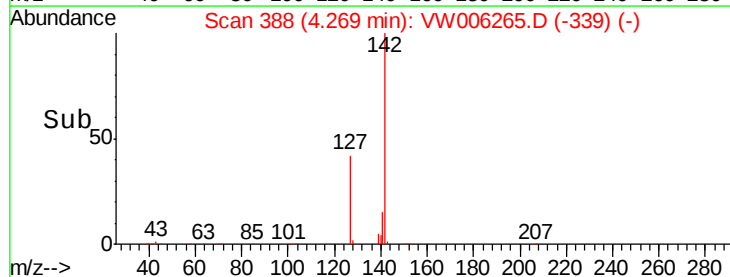
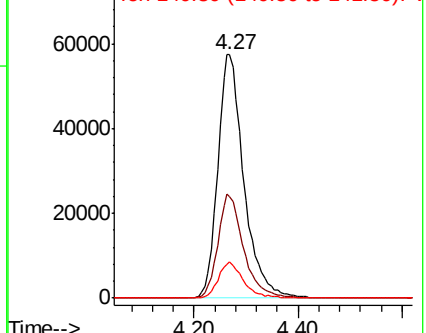
141 14.1 11.6 17.4

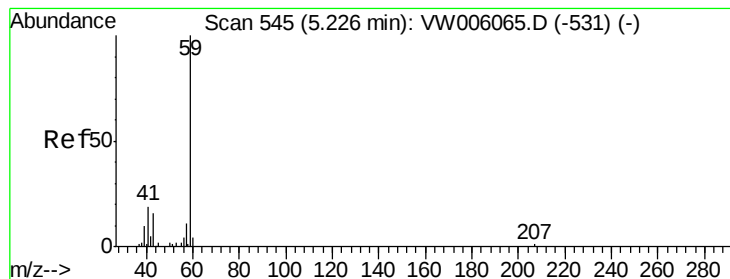


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



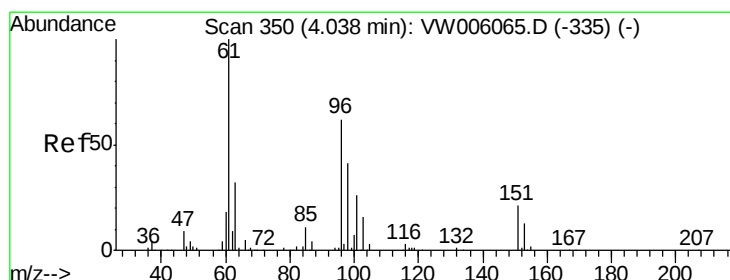
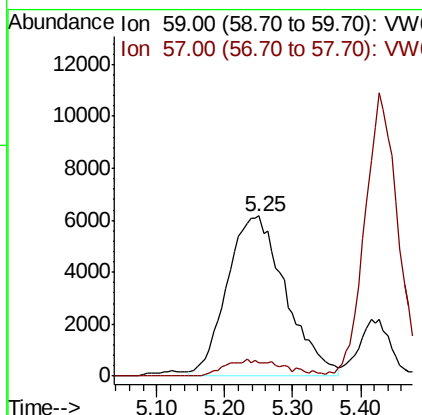
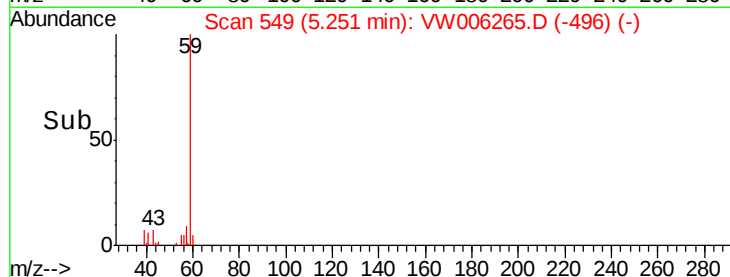
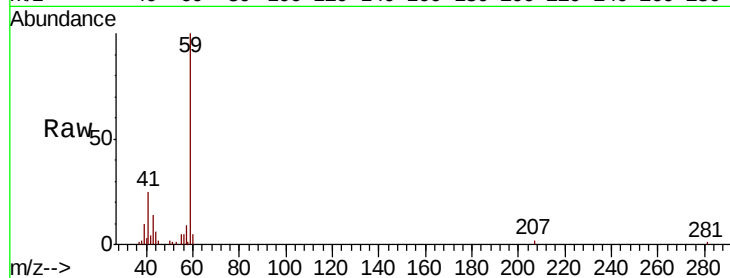


#11

Tert butyl alcohol
 Concen: 267.044 ug/l
 RT: 5.25 min Scan# 549
 Delta R.T. 0.02 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

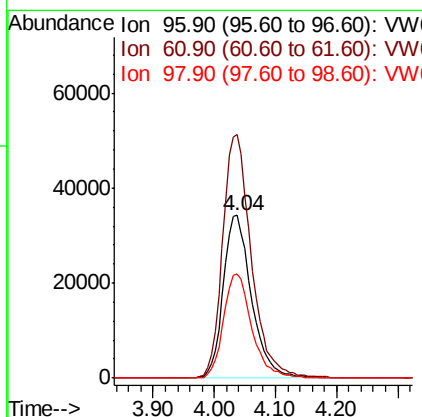
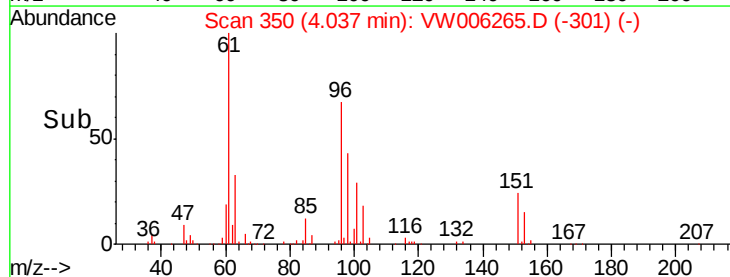
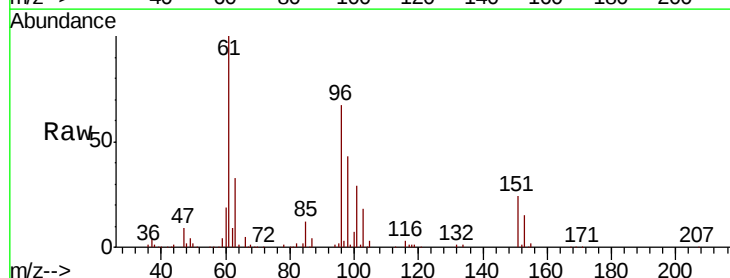
Tot Ion: 59 Resp: 36865
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.7 13.1

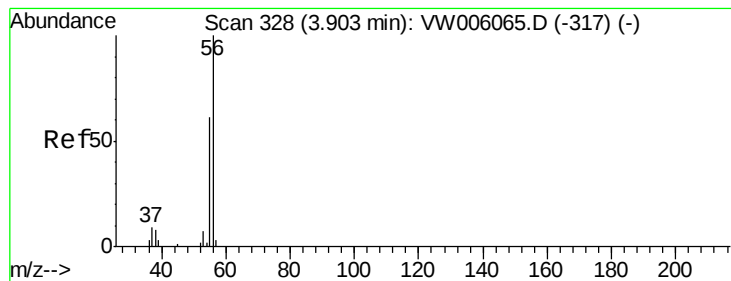


#12

1,1-Dichloroethene
 Concen: 52.746 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion: 96 Resp: 109115
 Ion Ratio Lower Upper
 96 100
 61 149.6 129.3 193.9
 98 63.9 53.1 79.7





#13

Acrolein

Concen: 233.245 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

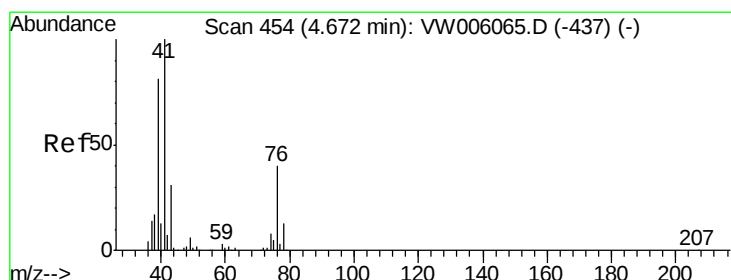
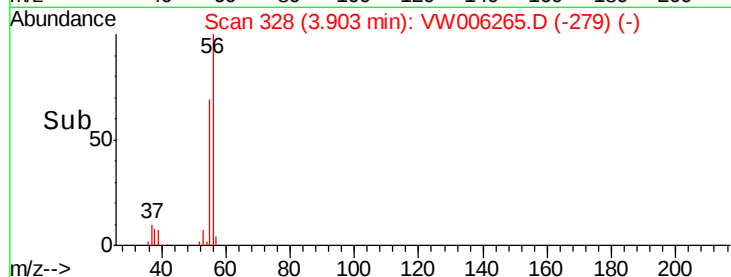
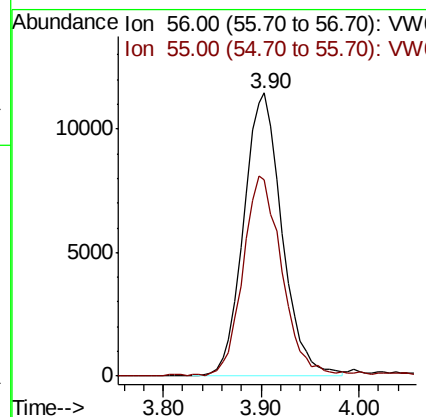
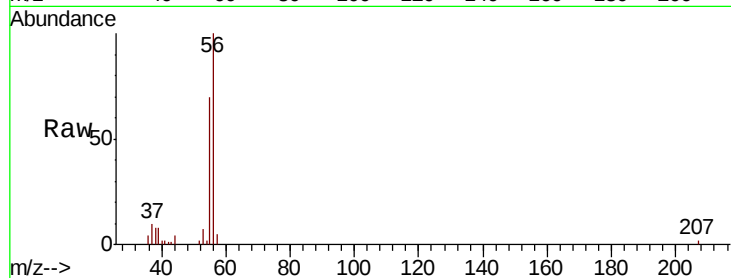
VSTDCCC050EC

Tot Ion: 56 Resp: 31157

Ion Ratio Lower Upper

56 100

55 72.5 54.5 81.7



#14

Allyl chloride

Concen: 51.816 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

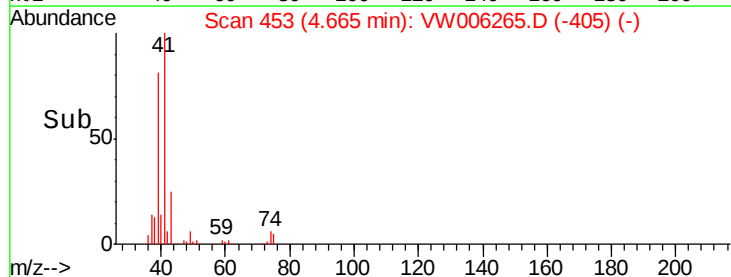
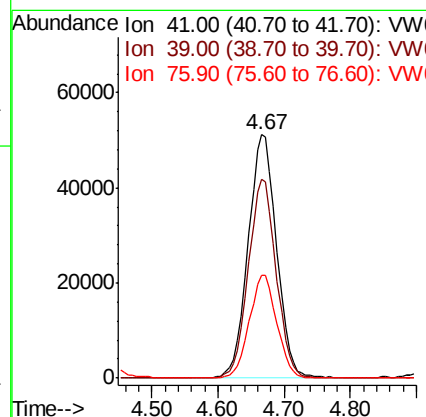
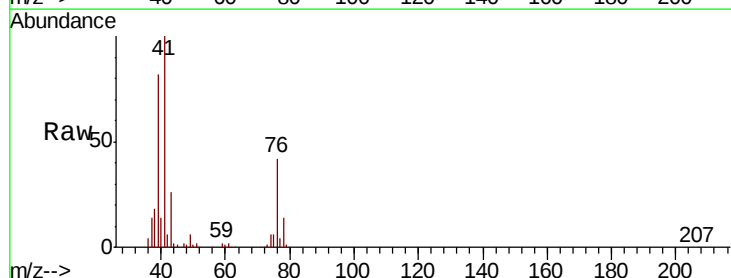
Tgt Ion: 41 Resp: 153266

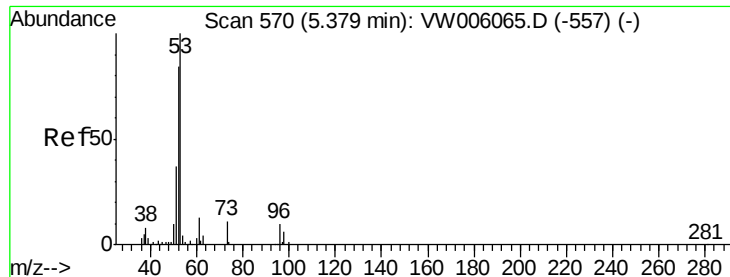
Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 284.319 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

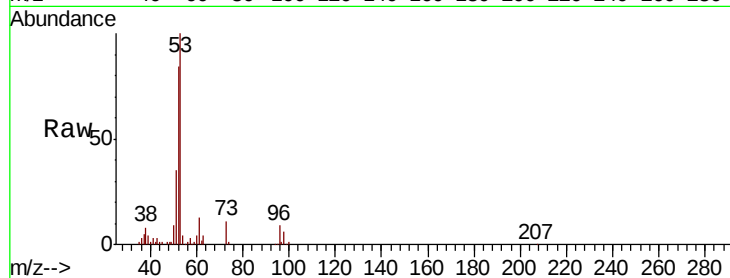
Tot Ion: 53 Resp: 113714

Ion Ratio Lower Upper

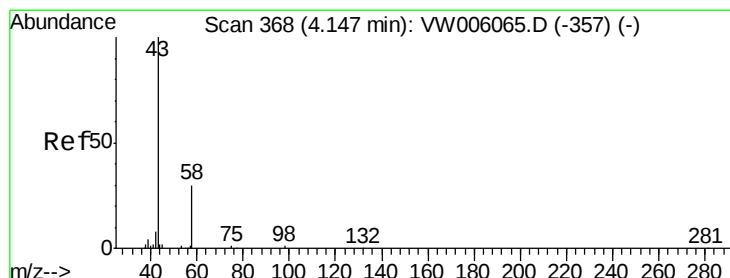
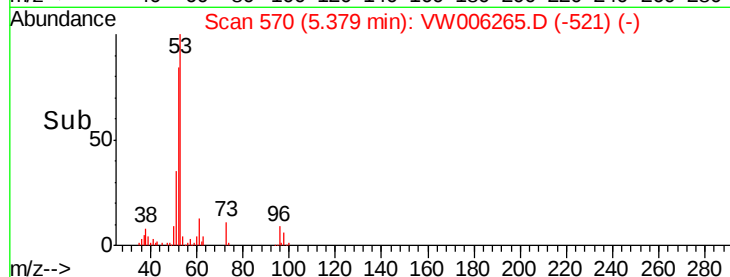
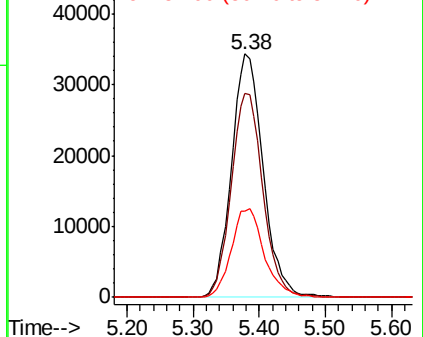
53 100

52 83.9 66.9 100.3

51 37.9 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 277.021 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006265.D

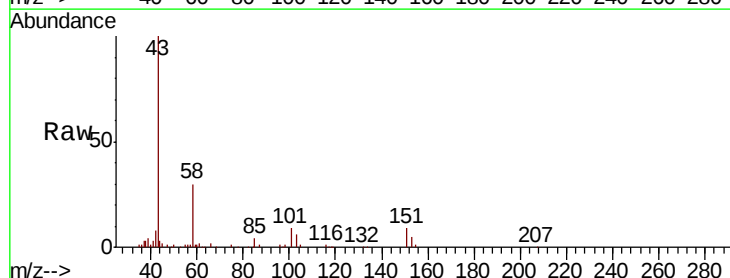
Acq: 22 Oct 2018 21:36

Tgt Ion: 43 Resp: 106061

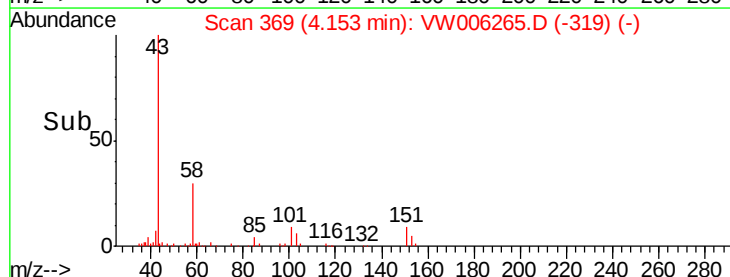
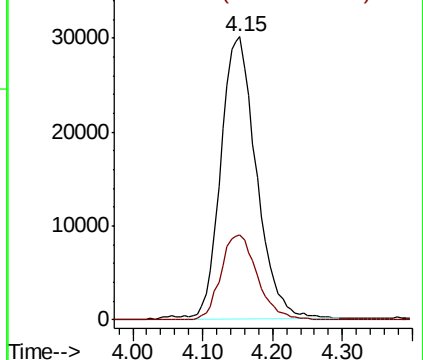
Ion Ratio Lower Upper

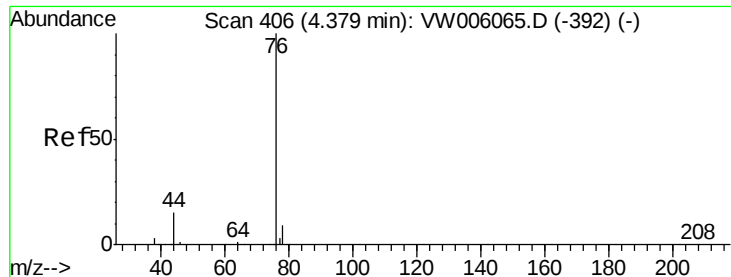
43 100

58 30.0 24.0 36.0



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

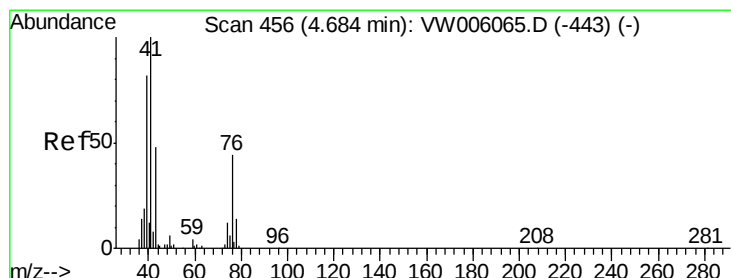
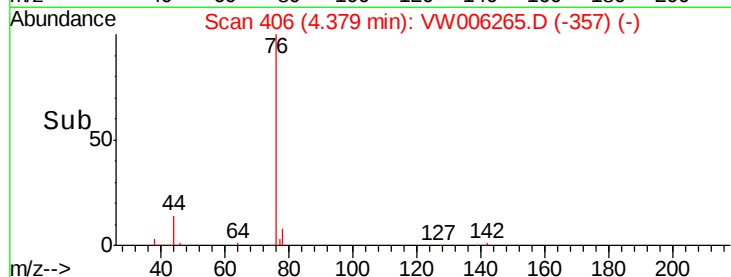
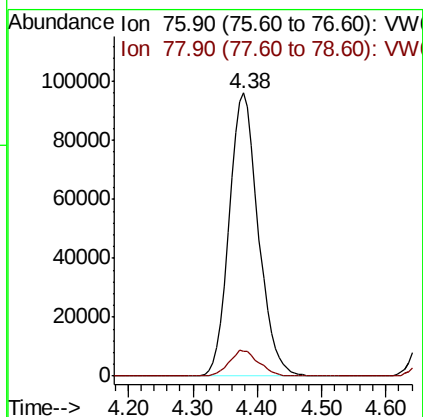
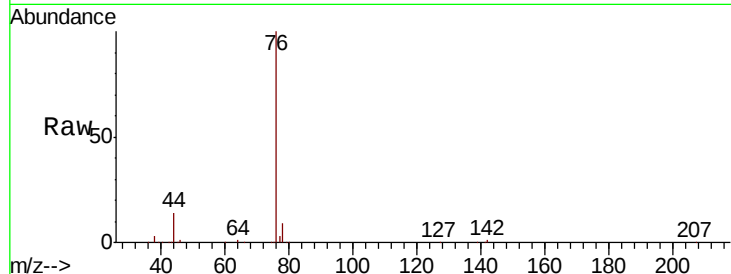




#17
Carbon Disulfide
Concen: 48.664 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

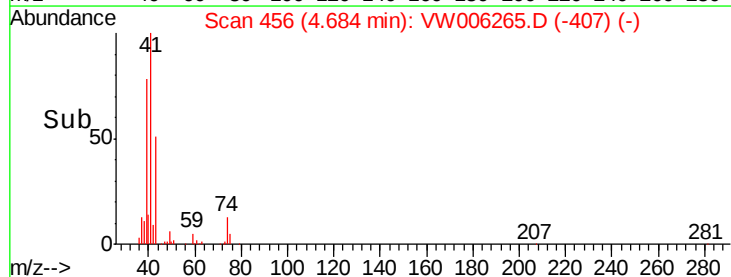
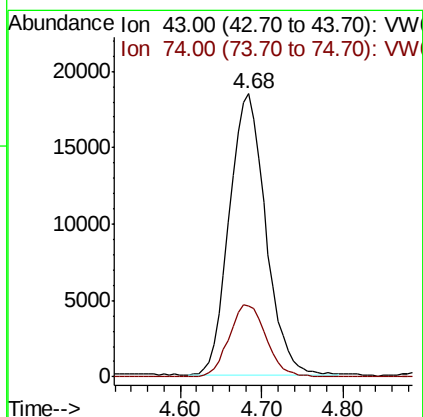
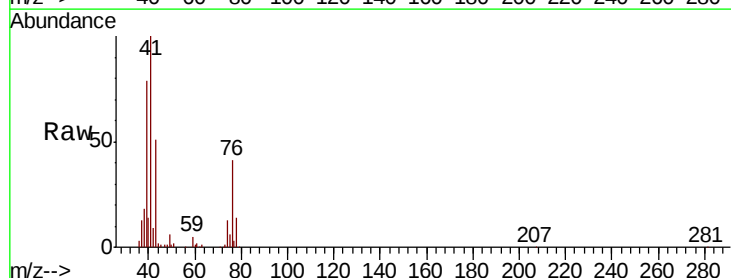
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

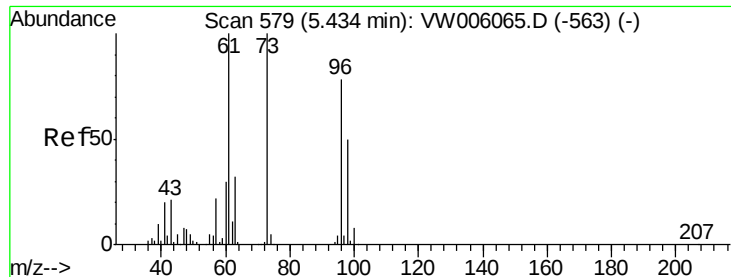
Tot Ion: 76 Resp: 303829
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 55.067 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 43 Resp: 56883
Ion Ratio Lower Upper
43 100
74 26.1 20.5 30.7

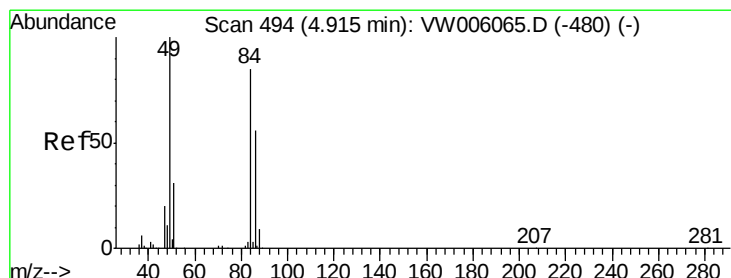
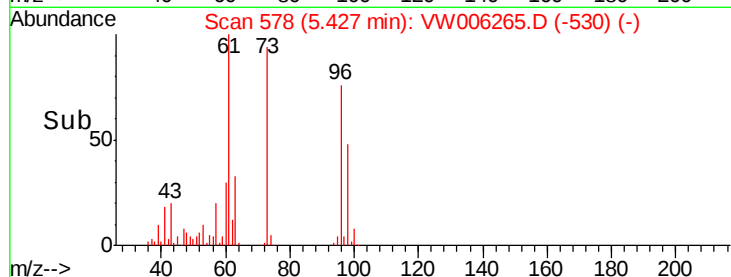
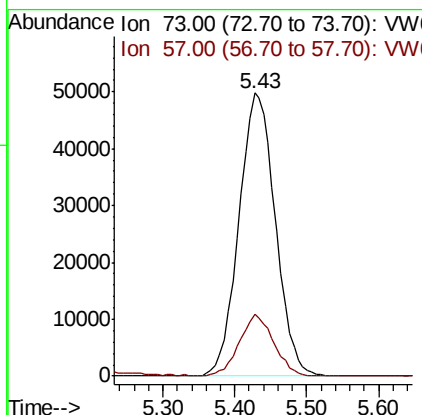
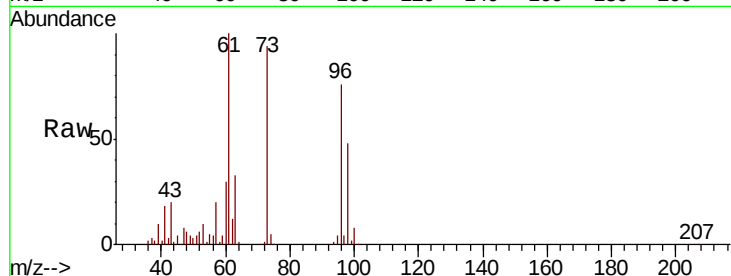




#19
Methyl tert-butyl Ether
Concen: 55.408 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

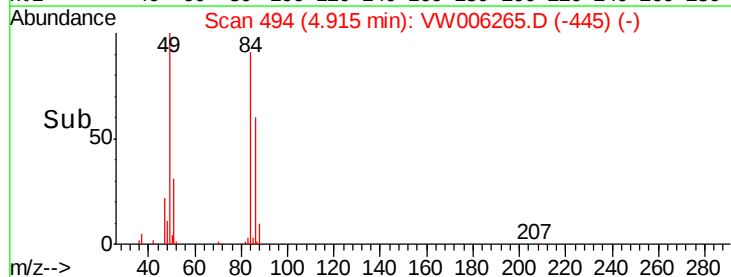
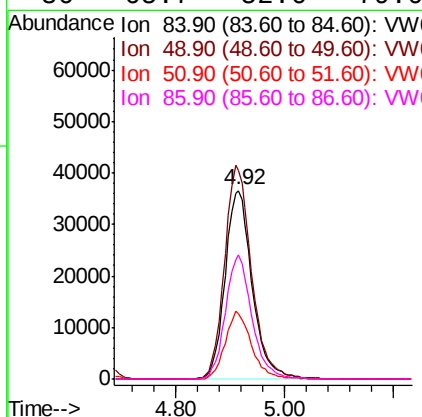
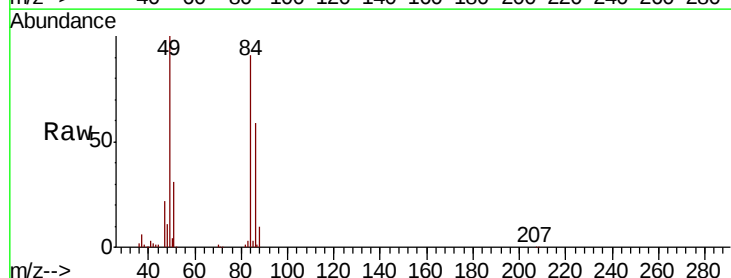
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

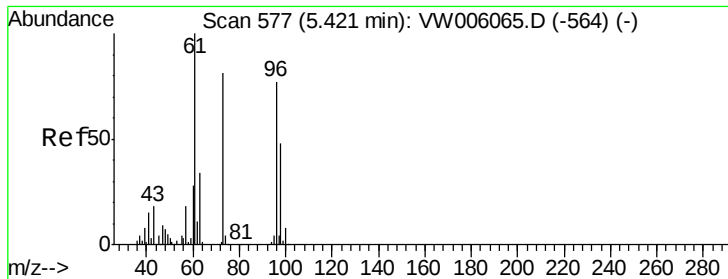
Tot Ion: 73 Resp: 174580
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2



#20
Methylene Chloride
Concen: 58.766 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 84 Resp: 127014
Ion Ratio Lower Upper
84 100
49 110.4 93.6 140.4
51 34.5 29.0 43.4
86 65.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 53.483 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

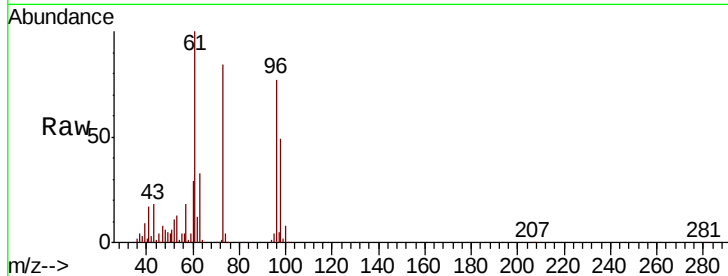
Tot Ion: 96 Resp: 123494

Ion Ratio Lower Upper

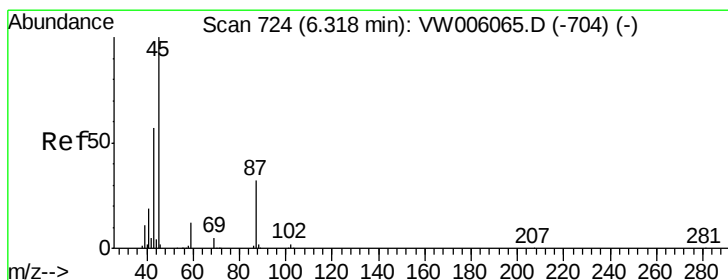
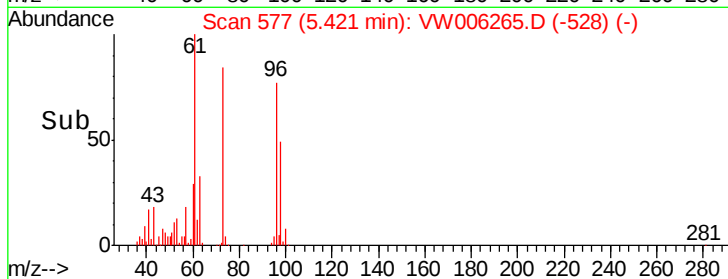
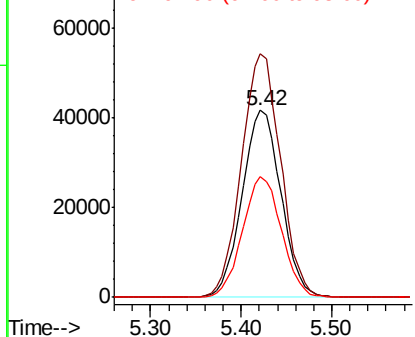
96 100

61 130.0 104.5 156.7

98 64.4 50.6 75.8



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



#22

Diisopropyl ether

Concen: 54.931 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion: 45 Resp: 321084

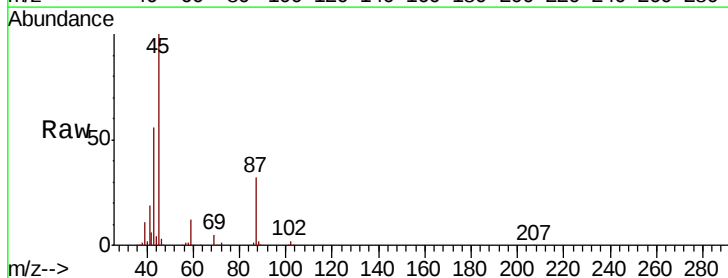
Ion Ratio Lower Upper

45 100

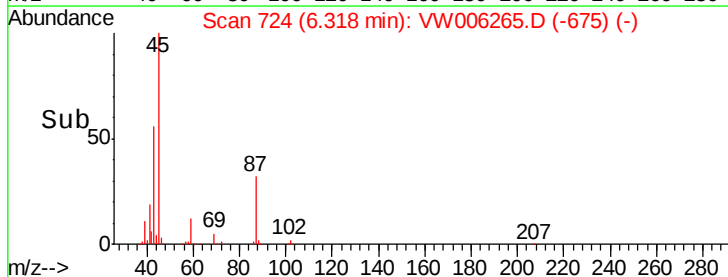
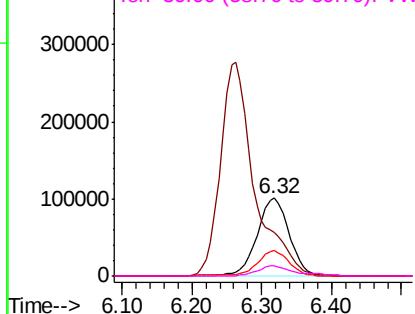
43 55.3 45.7 68.5

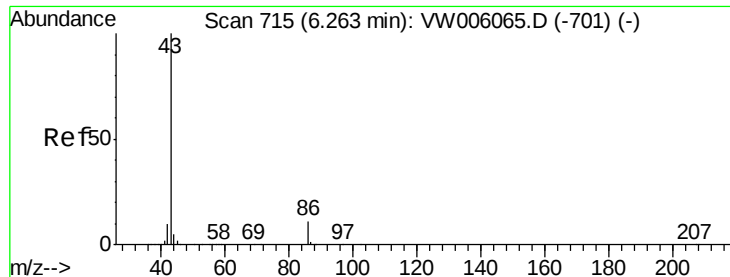
87 32.4 25.9 38.9

59 12.1 9.6 14.4



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





#23

Vinyl Acetate

Concen: 270.790 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

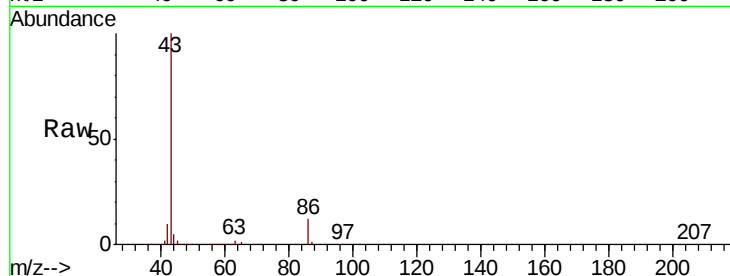
VSTDCCC050EC

Tot Ion: 43 Resp: 934108

Ion Ratio Lower Upper

43 100

86 12.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

300000

250000

200000

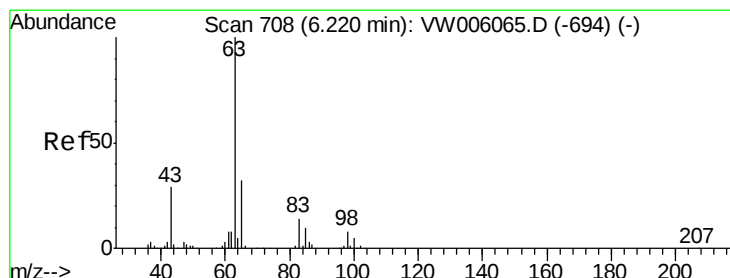
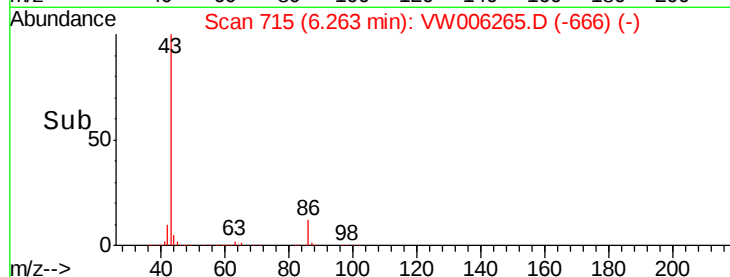
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.044 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

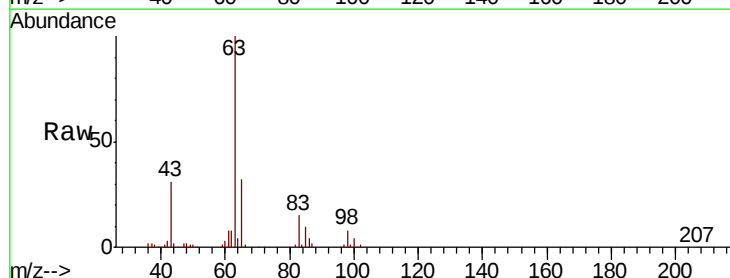
Tgt Ion: 63 Resp: 207608

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 4.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

80000

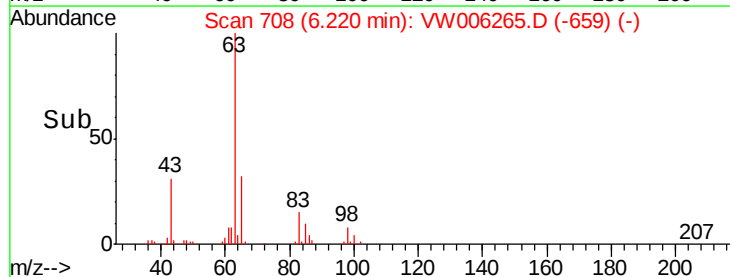
60000

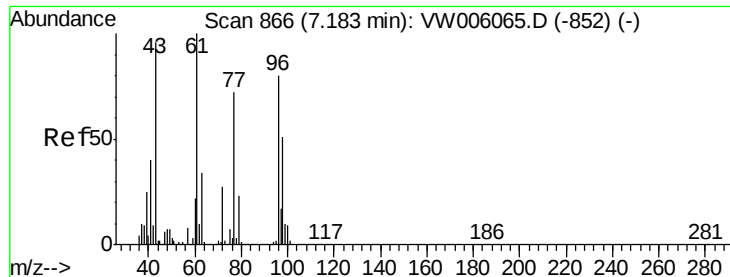
40000

20000

0

Time-->





#25

2-Butanone

Concen: 273.341 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

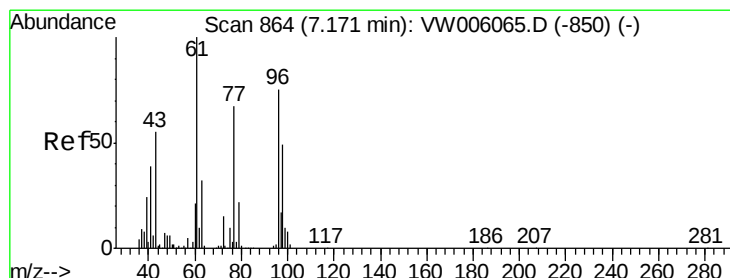
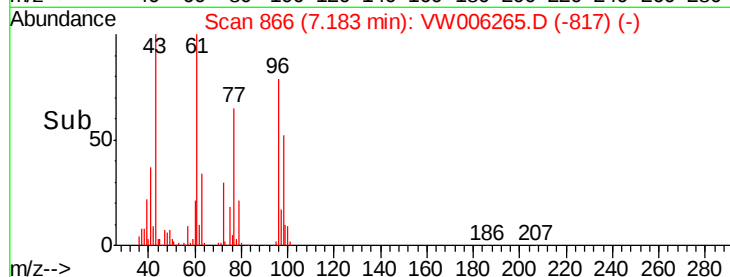
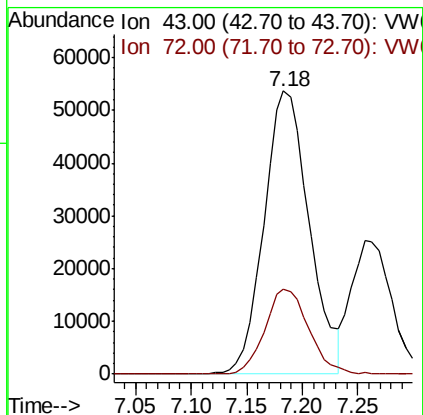
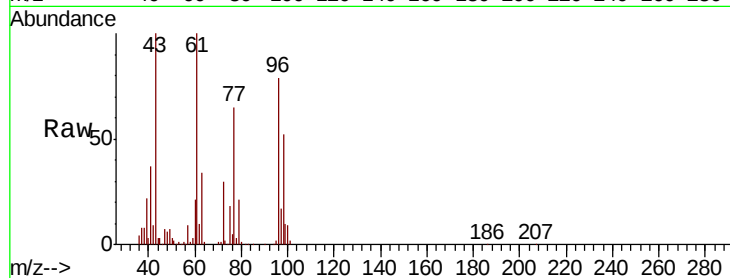
VSTDCCC050EC

Tot Ion: 43 Resp: 151572

Ion Ratio Lower Upper

43 100

72 30.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 49.602 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006265.D

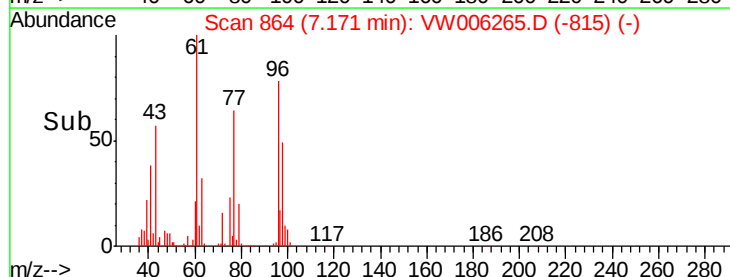
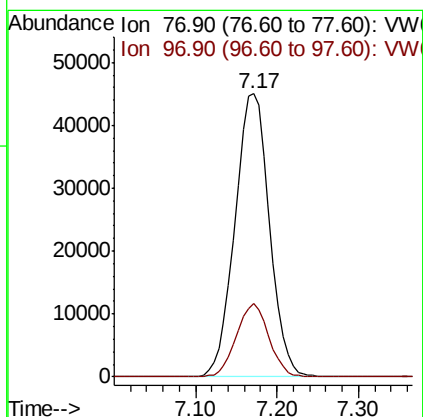
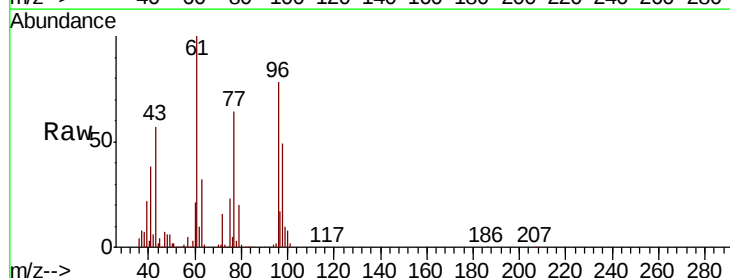
Acq: 22 Oct 2018 21:36

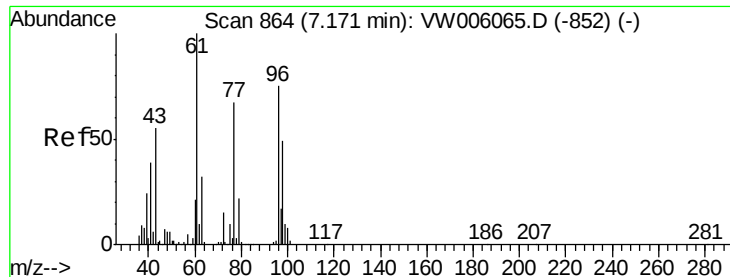
Tgt Ion: 77 Resp: 131949

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4



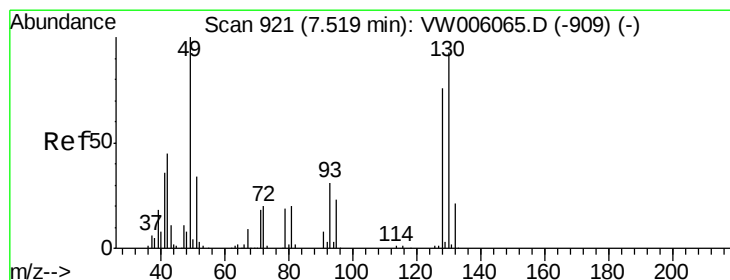
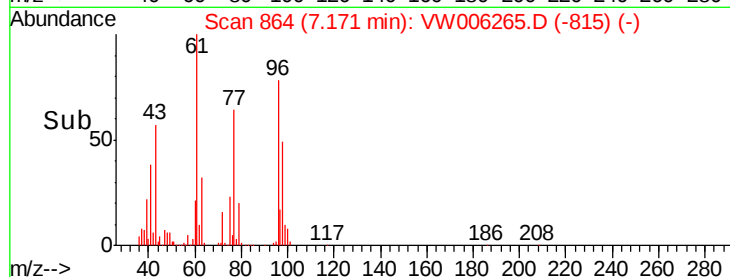
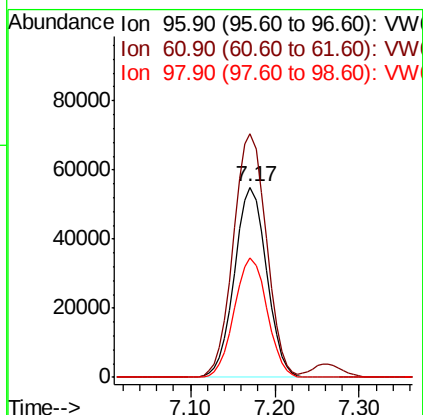
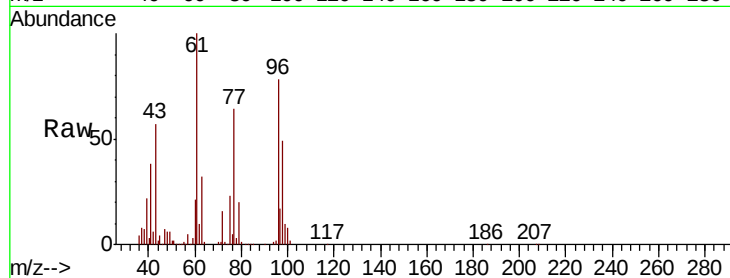


#27

cis-1,2-Dichloroethene
Concen: 55.811 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

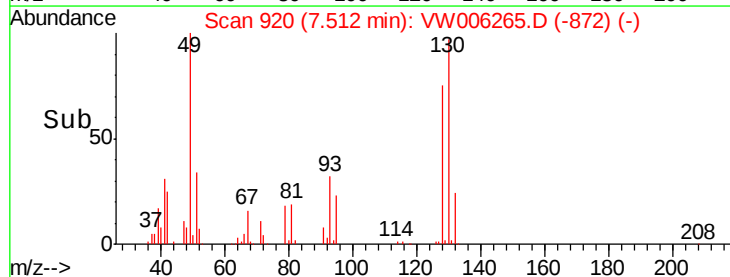
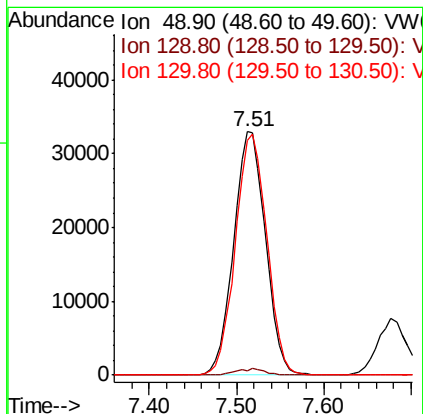
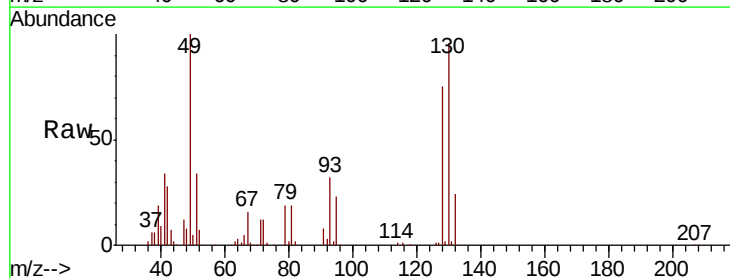
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	267.2
98	64.1	0.0	128.6

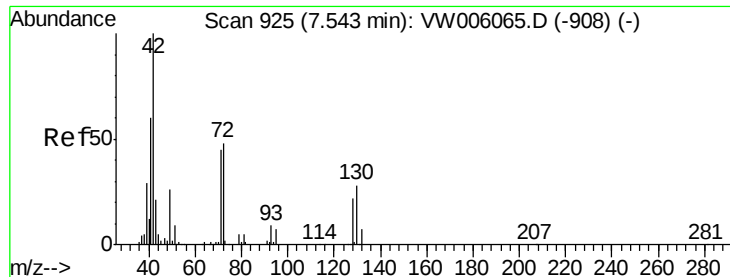


#28

Bromochloromethane
Concen: 57.396 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 278.162 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

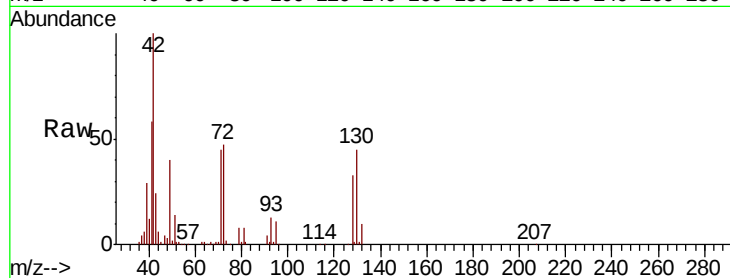
Tot Ion: 42 Resp: 94811

Ion Ratio Lower Upper

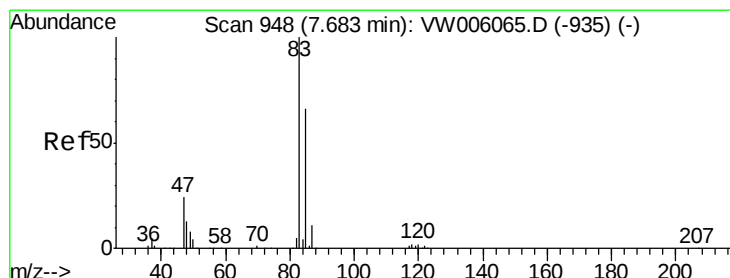
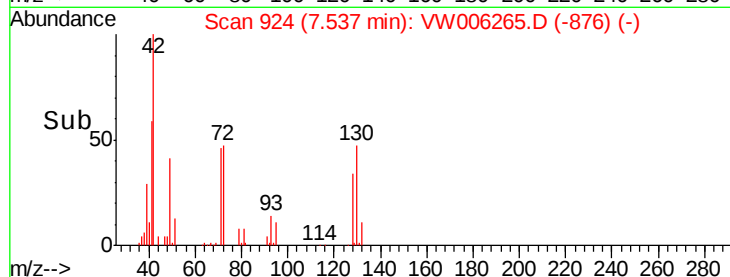
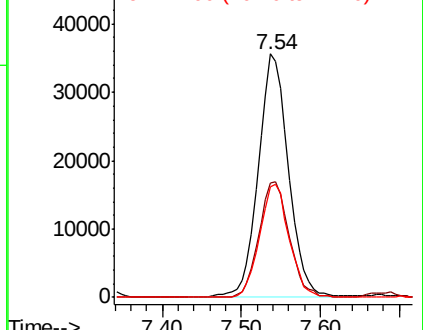
42 100

72 47.8 38.0 57.0

71 45.6 35.3 52.9



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



#30

Chloroform

Concen: 55.928 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006265.D

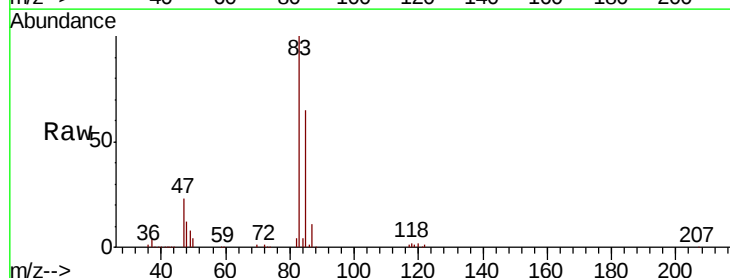
Acq: 22 Oct 2018 21:36

Tgt Ion: 83 Resp: 229823

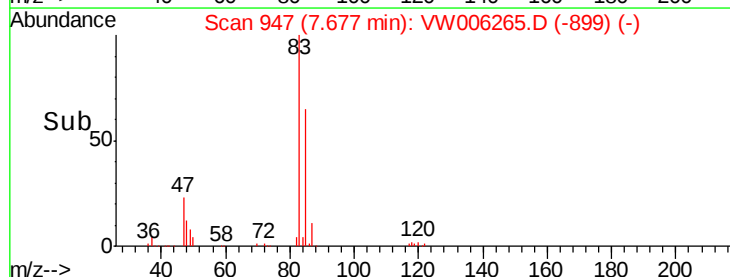
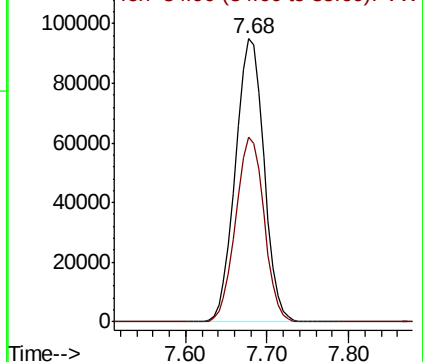
Ion Ratio Lower Upper

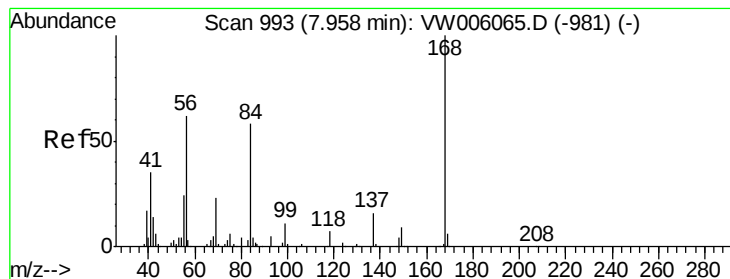
83 100

85 65.2 52.6 79.0



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





#31

Cyclohexane

Concen: 48.267 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

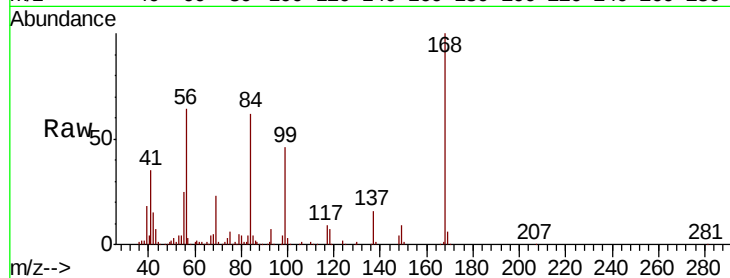
Tot Ion: 56 Resp: 181291

Ion Ratio Lower Upper

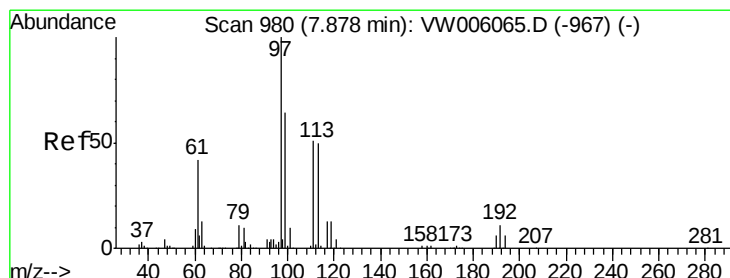
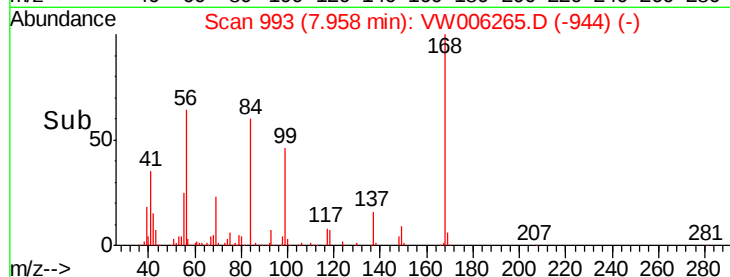
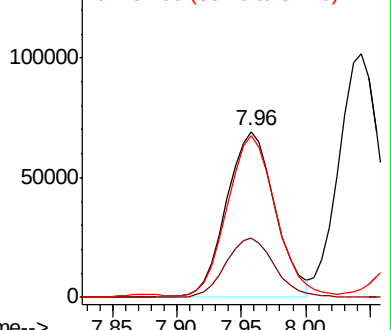
56 100

69 35.7 29.4 44.0

84 95.8 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 53.626 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

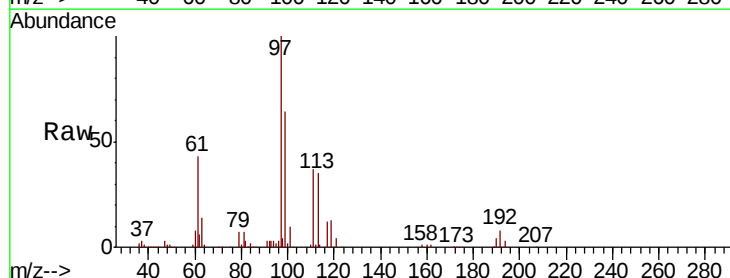
Tgt Ion: 97 Resp: 198780

Ion Ratio Lower Upper

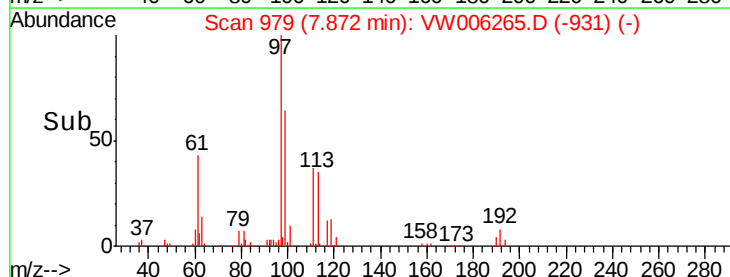
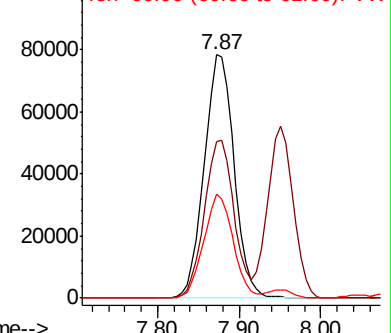
97 100

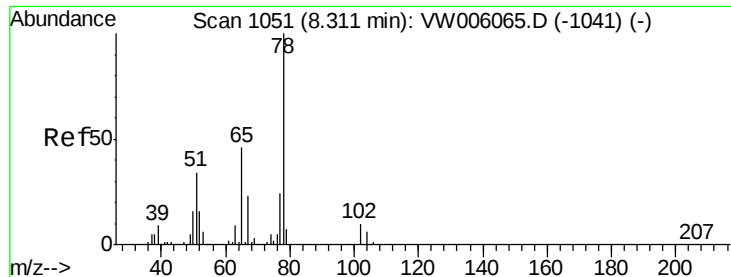
99 64.4 50.9 76.3

61 42.1 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 52.484 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

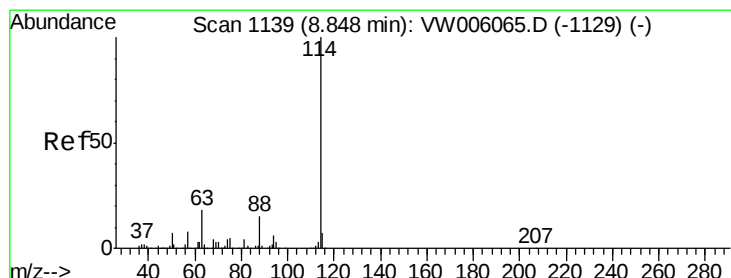
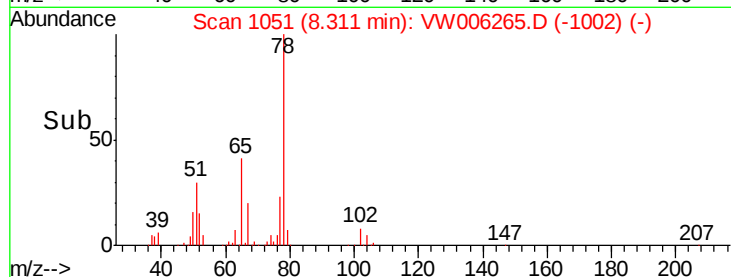
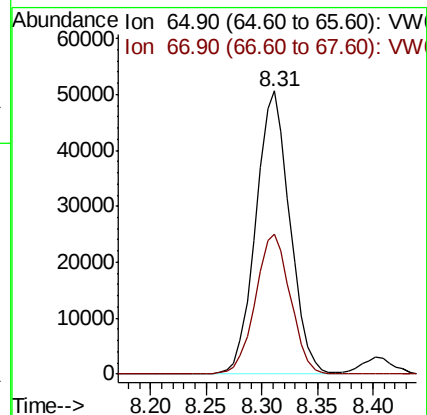
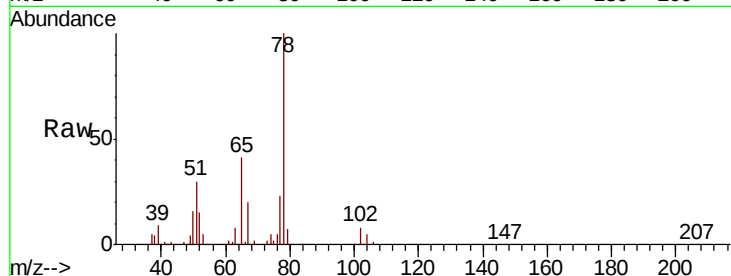
VSTDCCC050EC

Tot Ion: 65 Resp: 107731

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

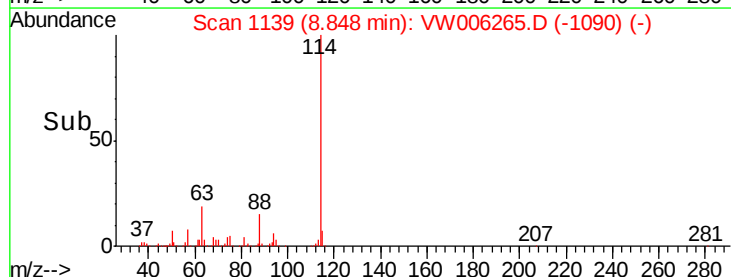
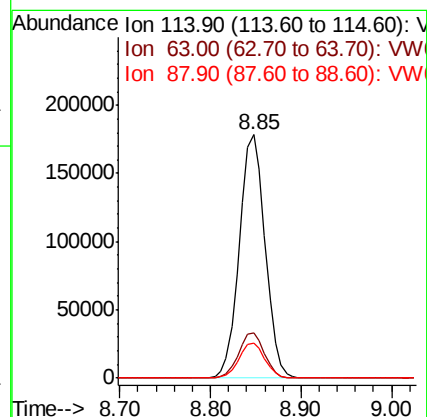
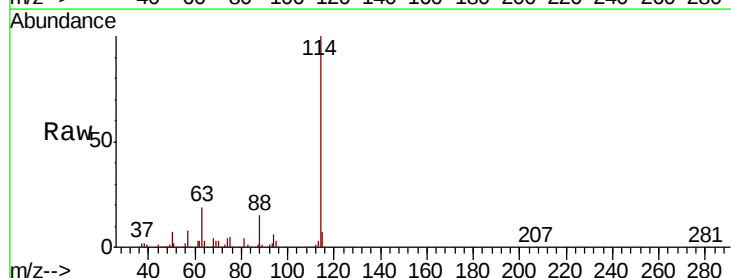
Tgt Ion: 114 Resp: 353291

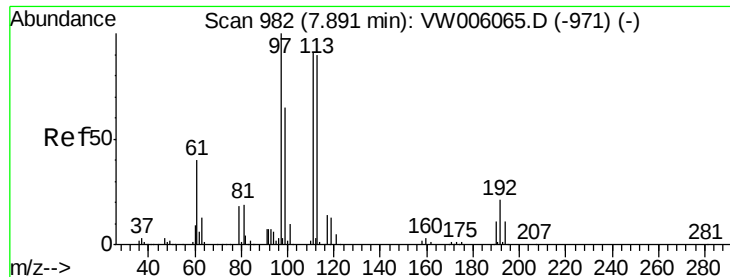
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.320 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

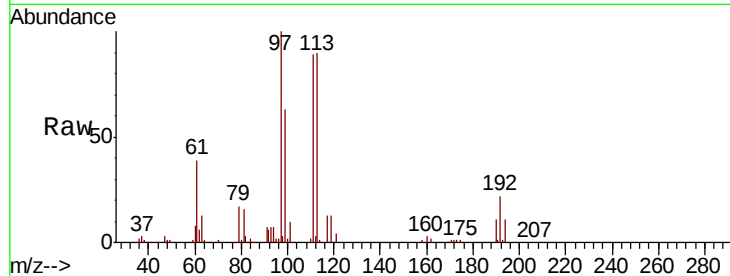
Tot Ion:113 Resp: 111310

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

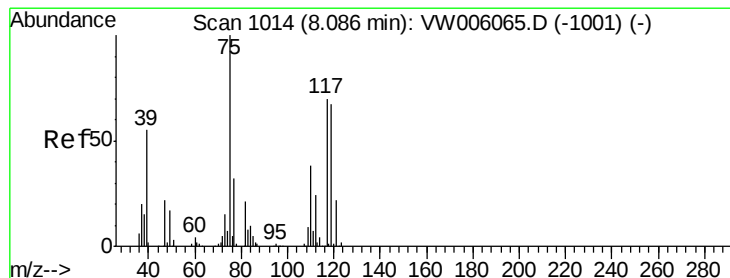
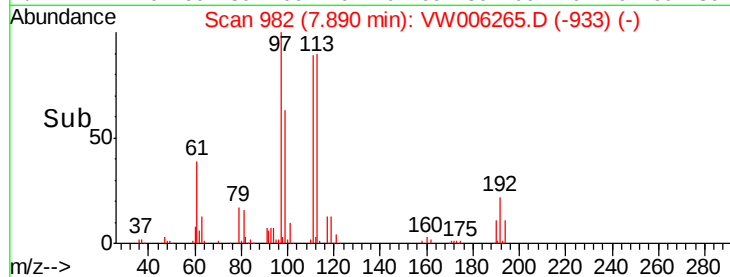
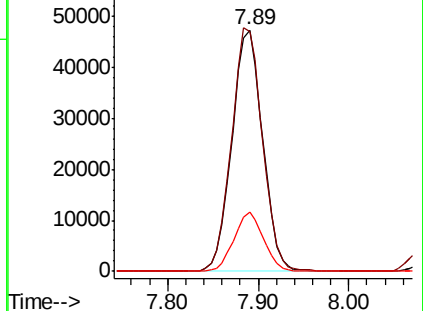
192 23.4 18.7 28.1



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: 53.531 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

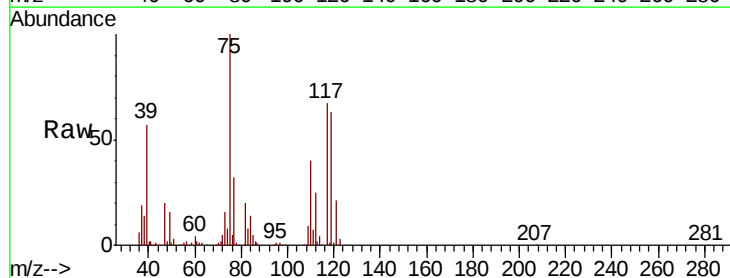
Tgt Ion: 75 Resp: 174315

Ion Ratio Lower Upper

75 100

110 38.5 19.1 57.1

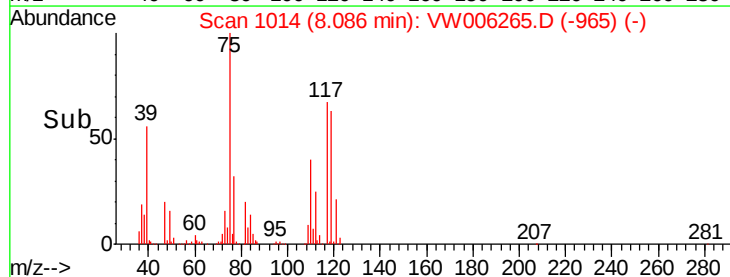
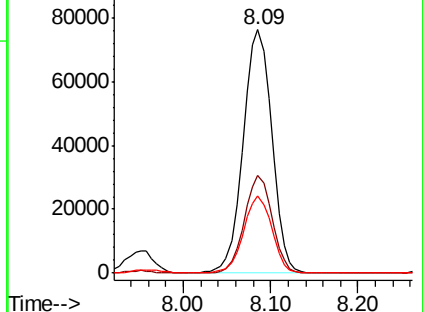
77 31.4 25.0 37.4

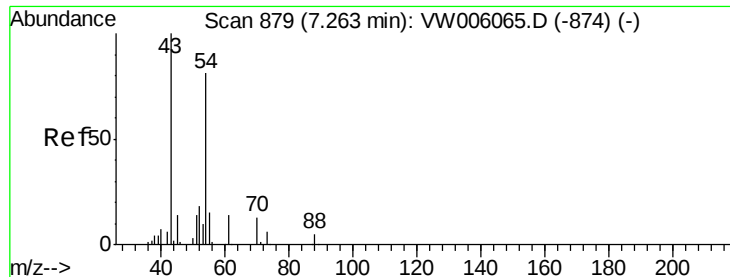


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

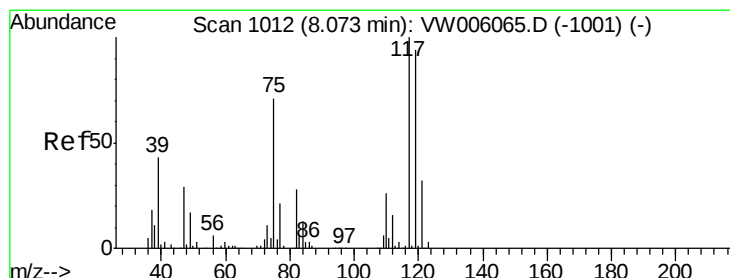
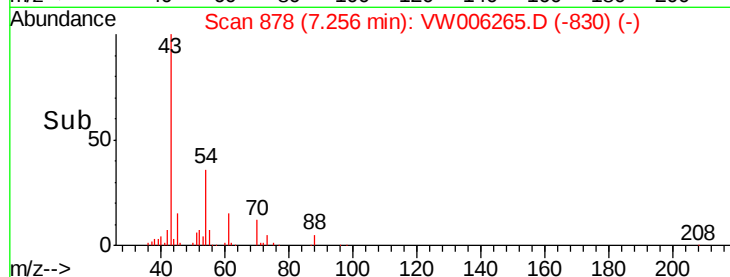
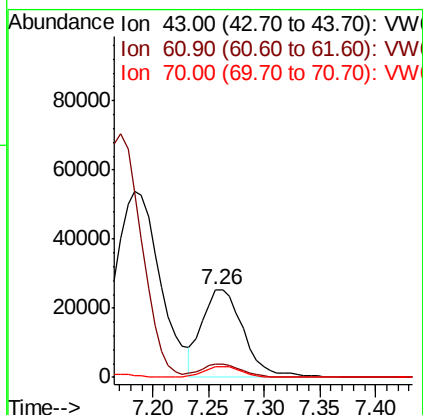
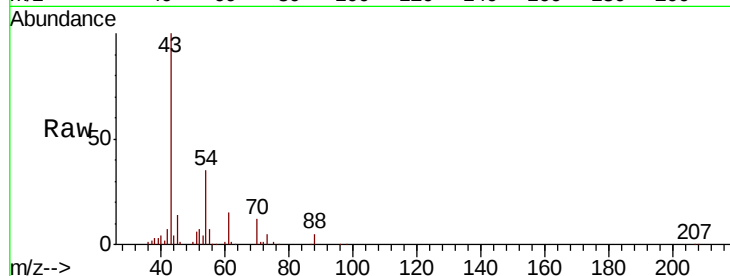




#37
Ethyl Acetate
Concen: 53.442 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

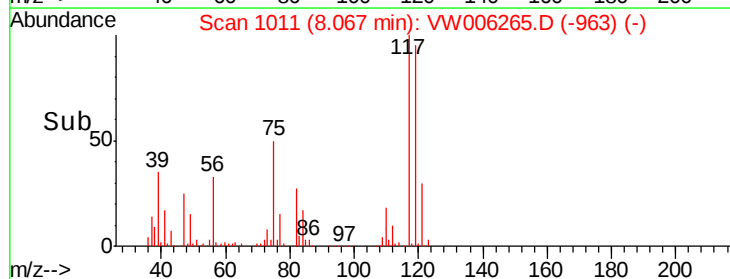
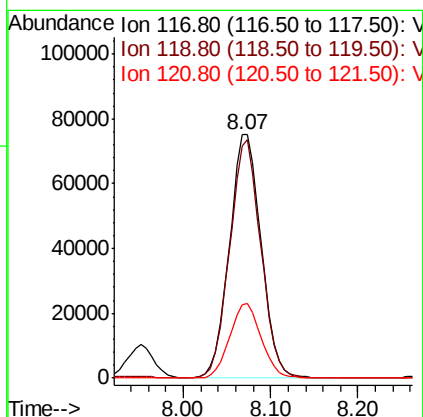
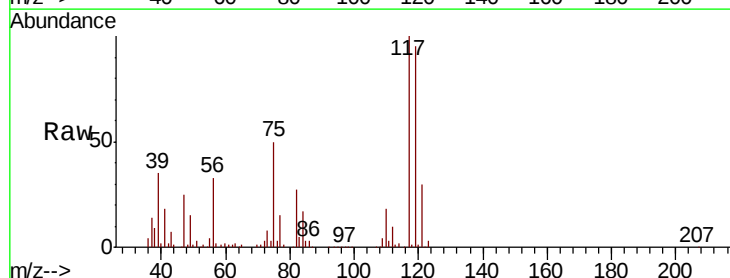
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

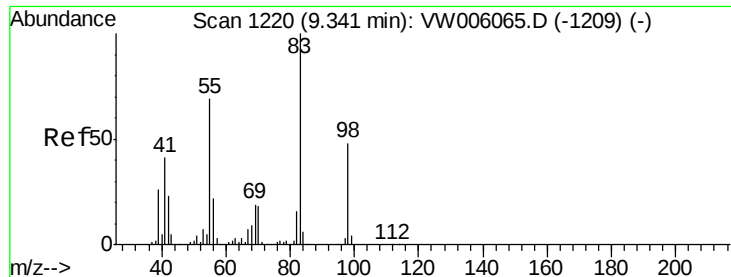
Tot Ion: 43 Resp: 64658
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 53.003 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 117 Resp: 189209
Ion Ratio Lower Upper
117 100
119 95.2 75.2 112.8
121 30.1 25.3 37.9

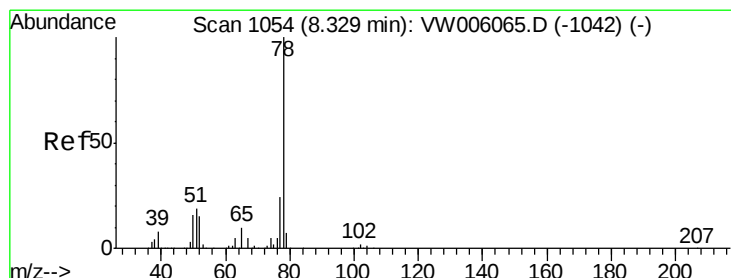
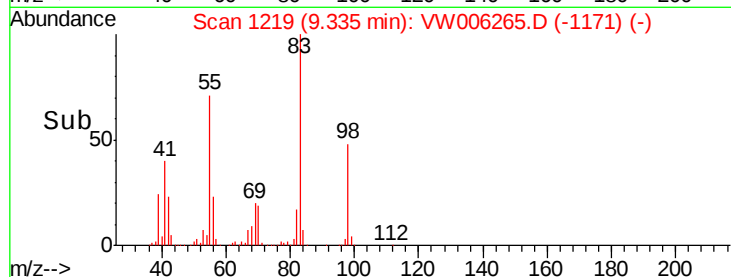
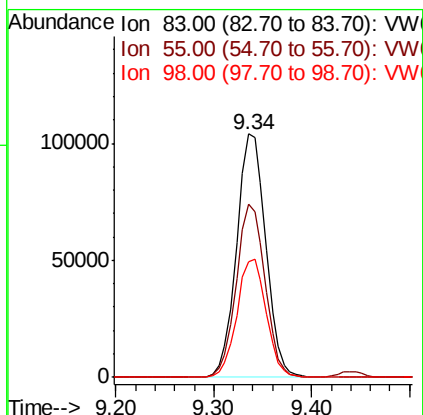
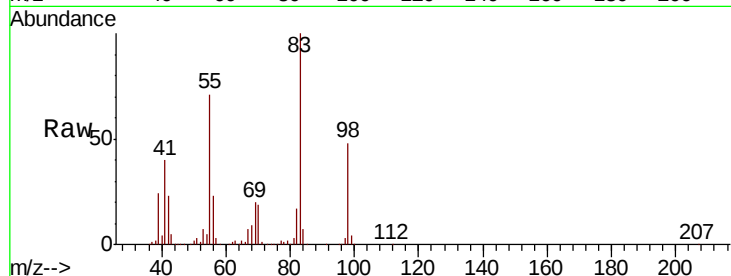




#39
Methvlcvclohexane
Concen: 49.956 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

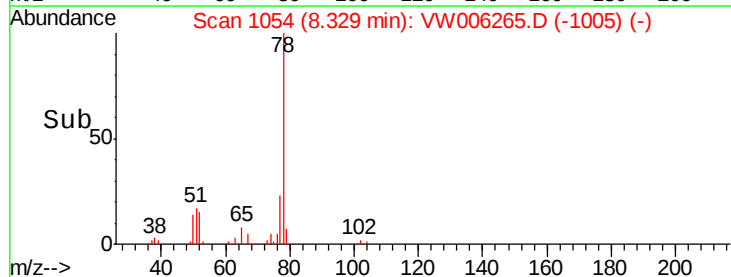
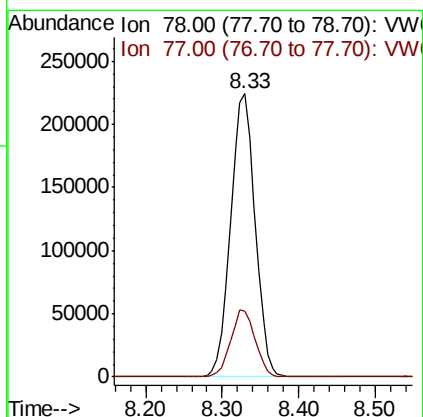
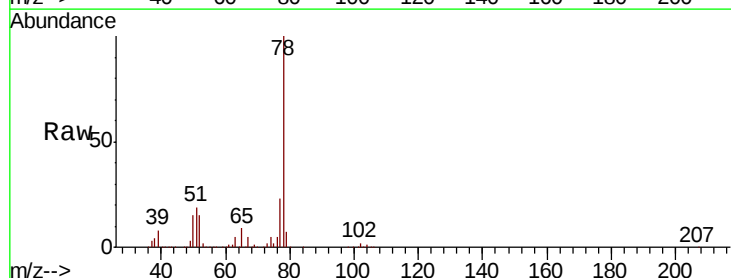
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

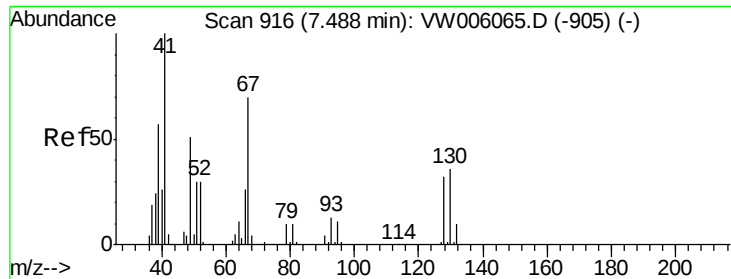
Tot Ion: 83 Resp: 216239
Ion Ratio Lower Upper
83 100
55 71.1 55.0 82.6
98 47.7 38.6 57.8



#40
Benzene
Concen: 55.442 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 78 Resp: 495234
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0

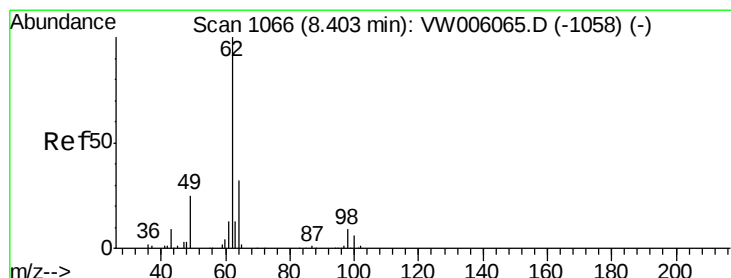
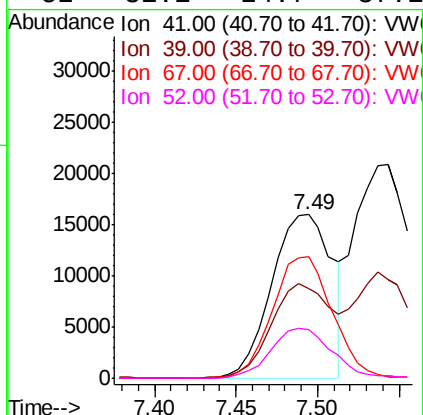
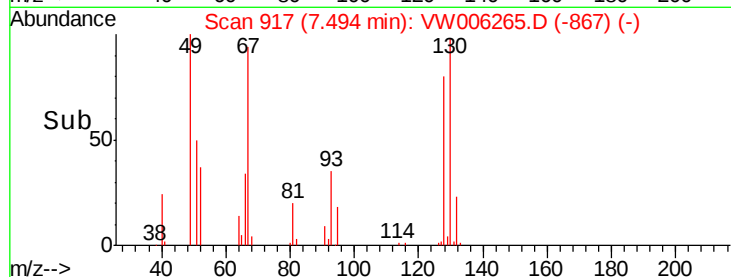
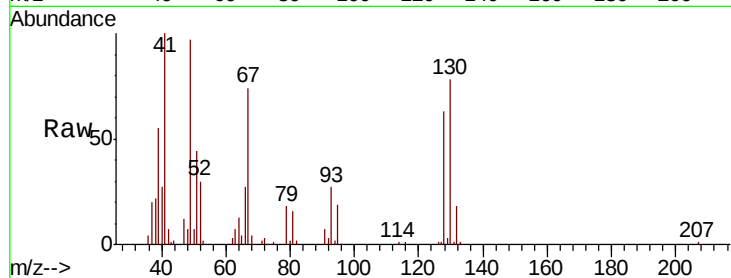




#41
Methacrylonitrile
Concen: 56.338 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

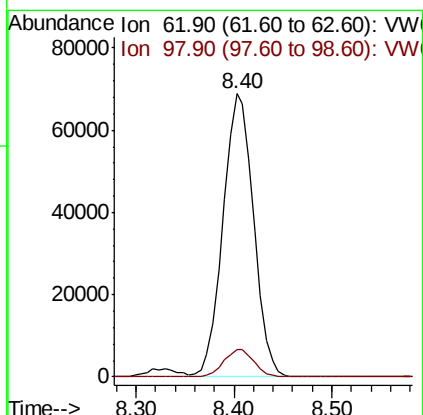
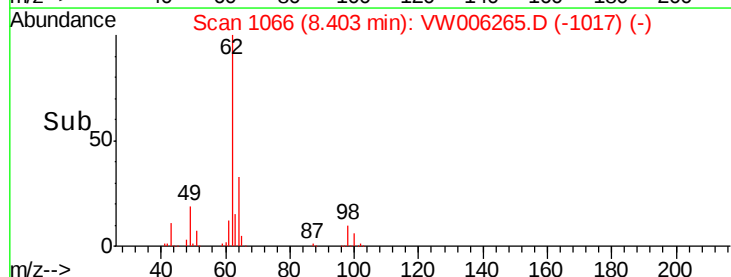
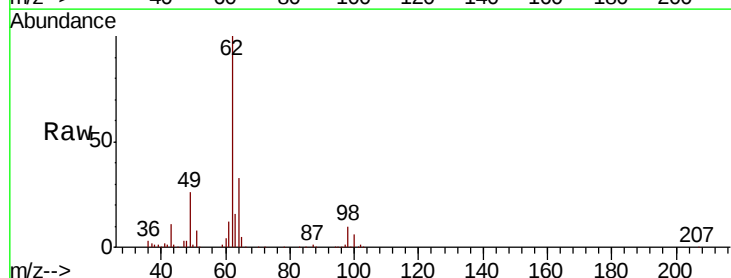
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

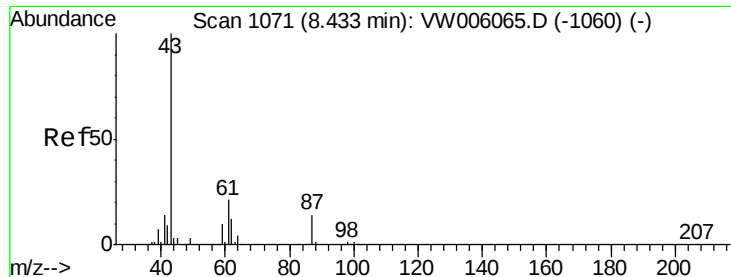
Tot Ion:	41	Resp:	41090
Ion	Ratio	Lower	Upper
41	100		
39	57.1	46.2	69.4
67	74.1	57.7	86.5
52	31.1	24.7	37.1



#42
1,2-Dichloroethane
Concen: 56.908 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:	62	Resp:	149347
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 53.651 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

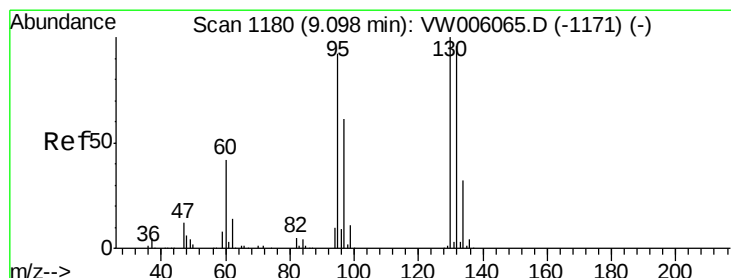
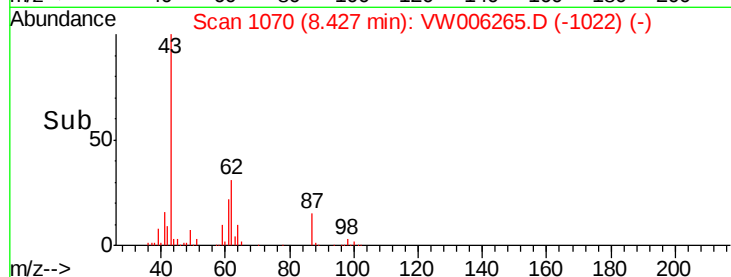
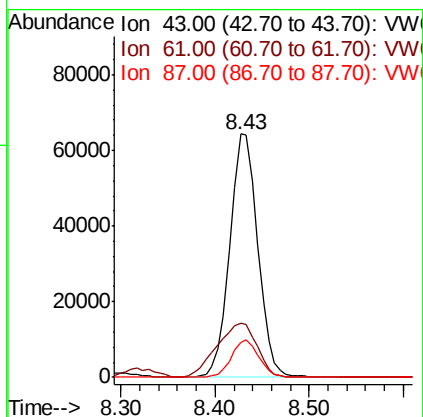
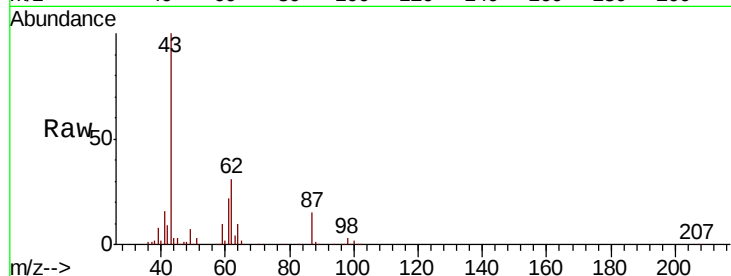
Tot Ion: 43 Resp: 132719

Ion Ratio Lower Upper

43 100

61 31.9 25.5 38.3

87 15.2 11.7 17.5



#44

Trichloroethene

Concen: 54.772 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006265.D

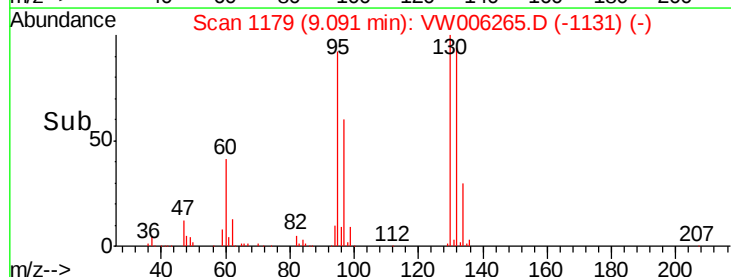
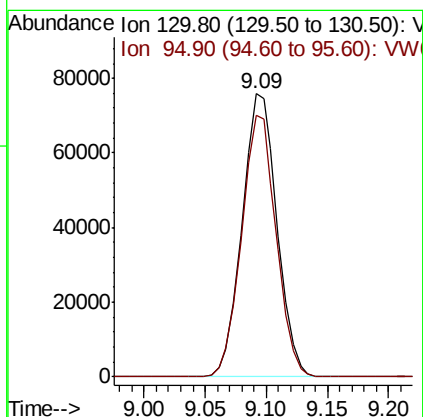
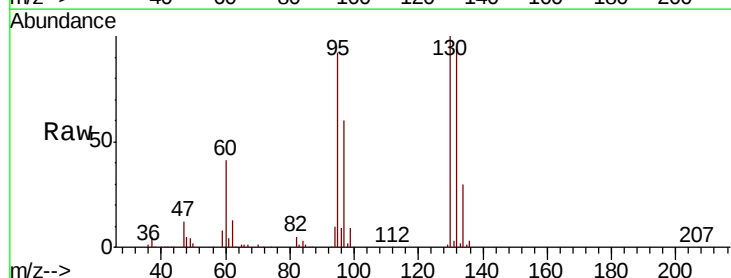
Acq: 22 Oct 2018 21:36

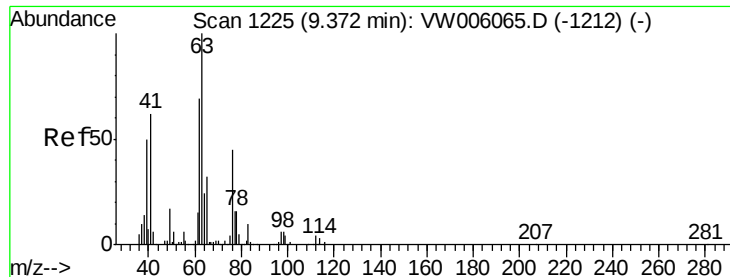
Tgt Ion: 130 Resp: 150101

Ion Ratio Lower Upper

130 100

95 92.4 0.0 183.2

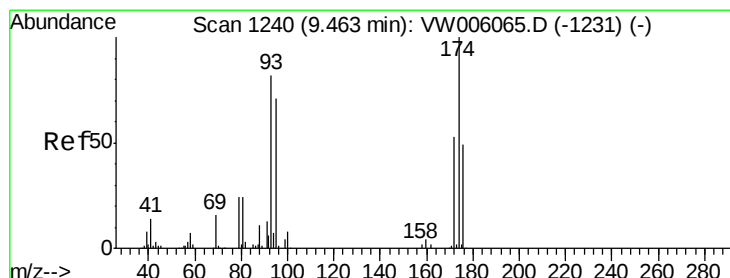
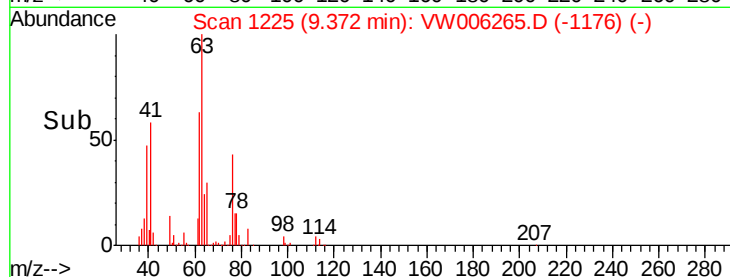
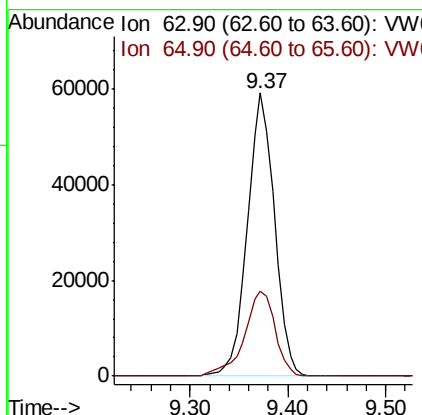
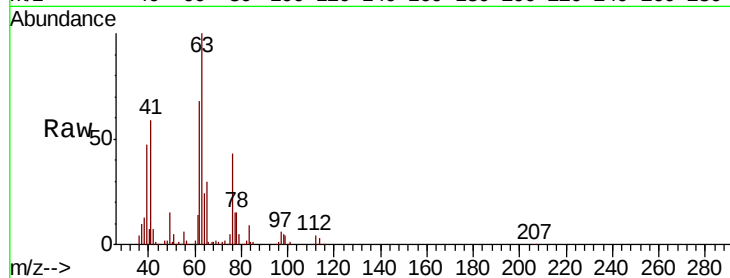




#45
 1,2-Dichloropropane
 Concen: 53.229 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

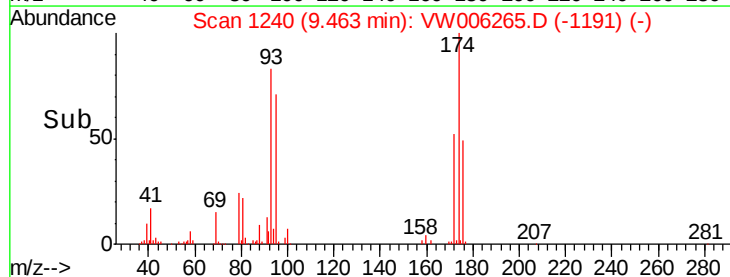
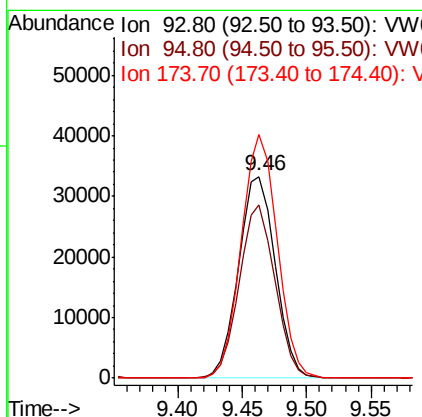
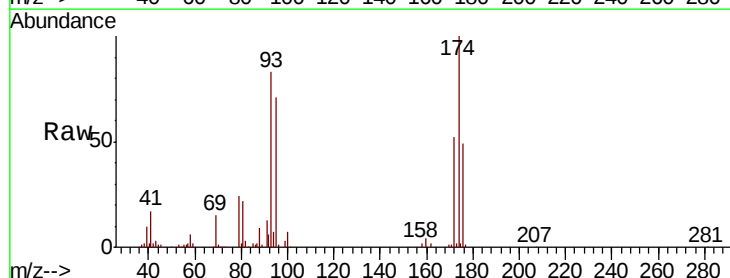
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

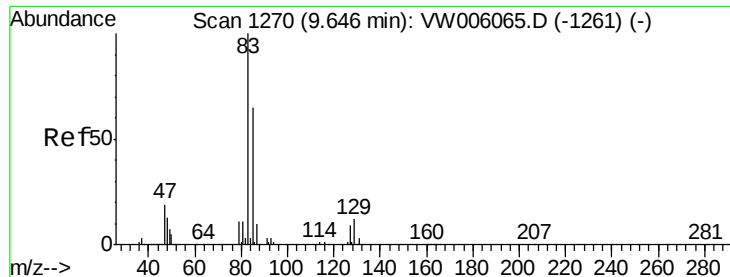
Tot Ion: 63 Resp: 113776
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0



#46
 Dibromomethane
 Concen: 54.049 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion: 93 Resp: 65845
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.7 101.5
 174 118.2 93.7 140.5





#47

Bromodichloromethane

Concen: 52.491 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

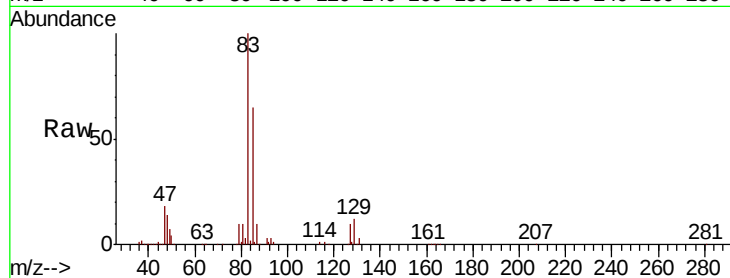
Tot Ion: 83 Resp: 155038

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.8

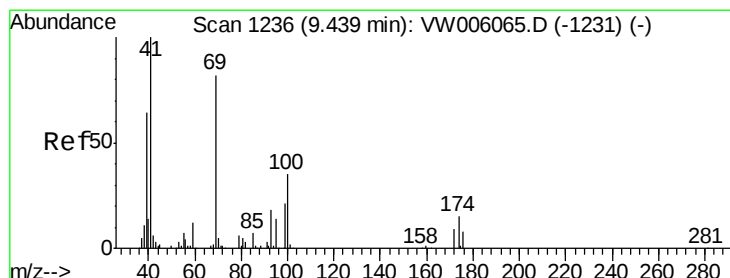
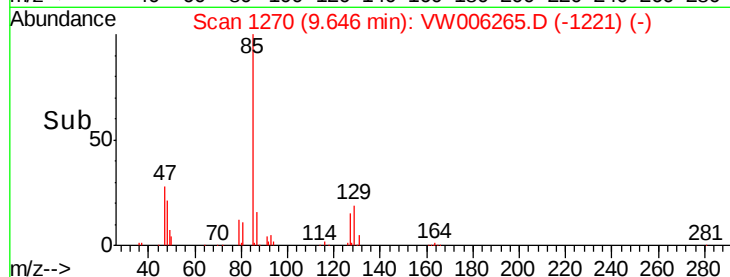
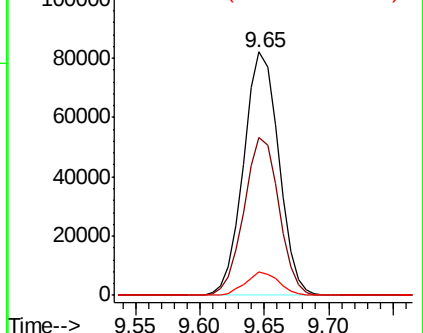
127 9.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.331 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

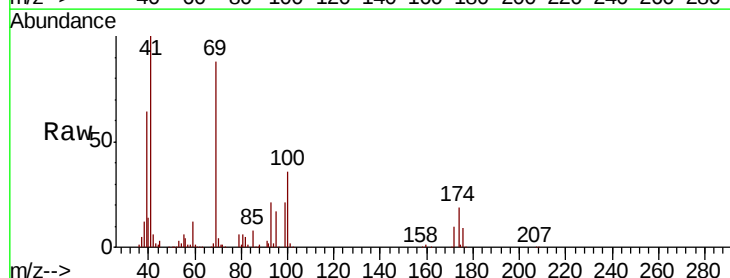
Tgt Ion: 41 Resp: 63707

Ion Ratio Lower Upper

41 100

69 92.1 71.8 107.8

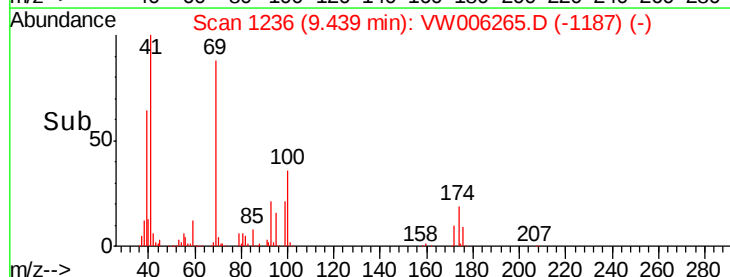
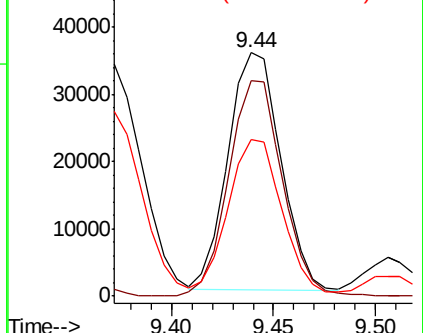
39 68.1 52.5 78.7

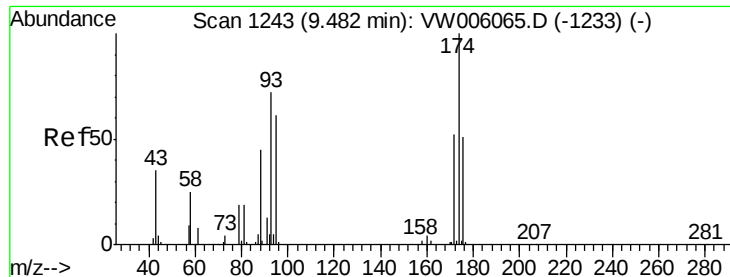


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1179.496 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

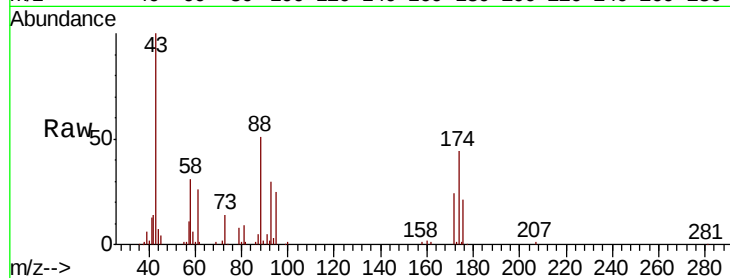
Tot Ion: 88 Resp: 22121

Ion Ratio Lower Upper

88 100

43 457.8 0.0 0.0#

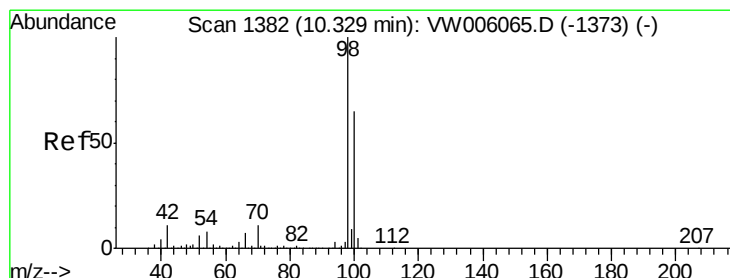
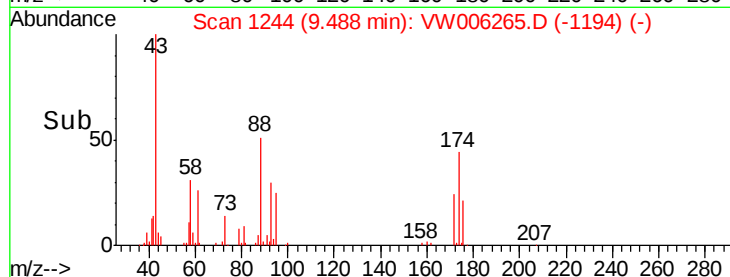
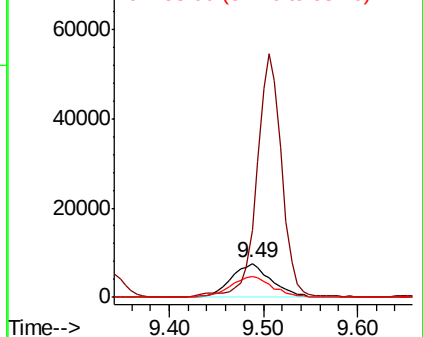
58 66.0 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.600 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006265.D

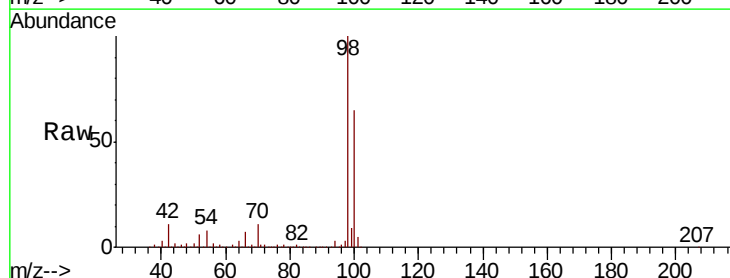
Acq: 22 Oct 2018 21:36

Tgt Ion: 98 Resp: 393936

Ion Ratio Lower Upper

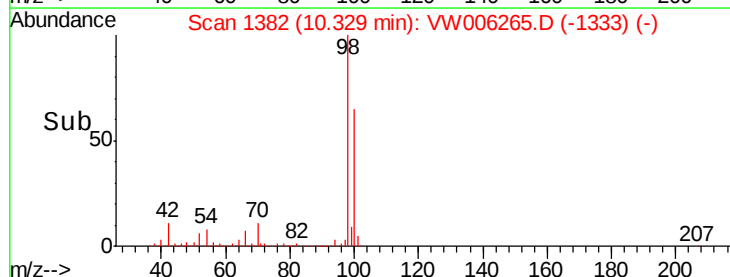
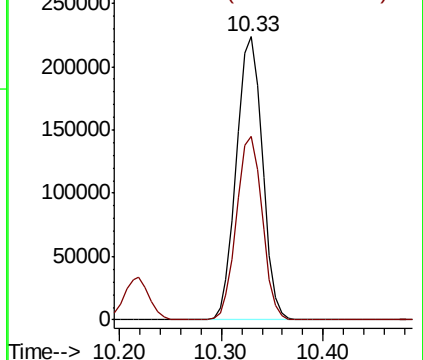
98 100

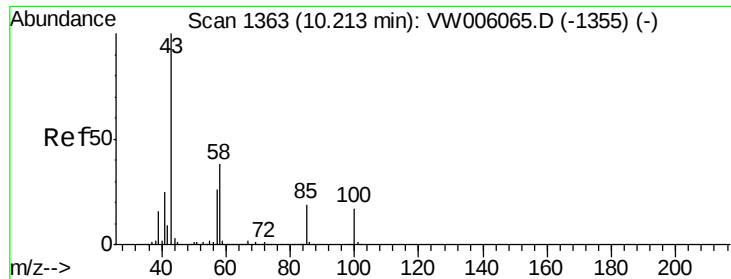
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 266.697 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

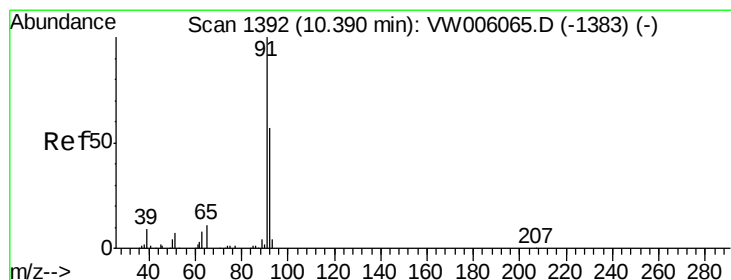
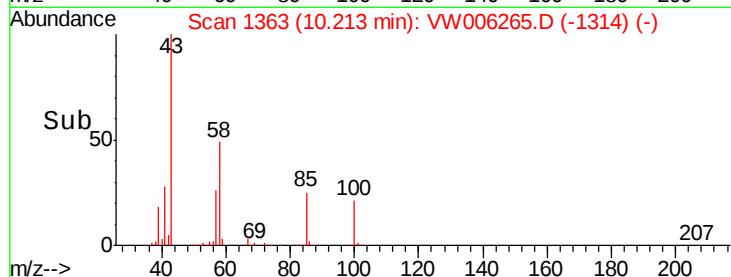
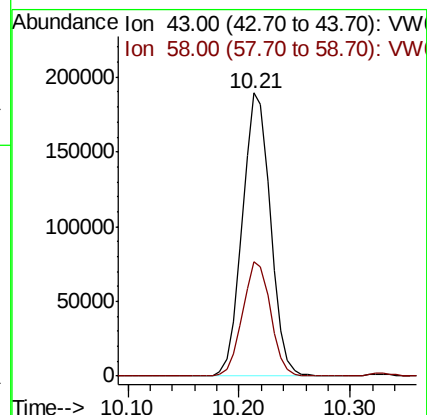
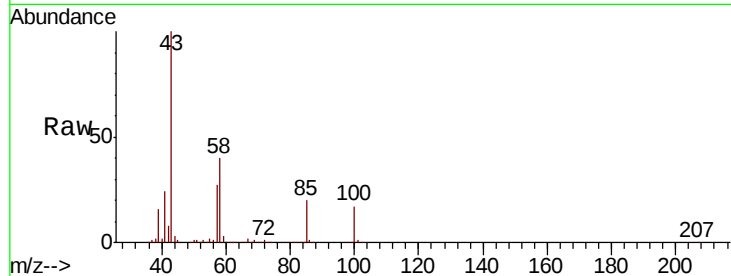
VSTDCCC050EC

Tot Ion: 43 Resp: 330553

Ion Ratio Lower Upper

43 100

58 40.5 31.5 47.3



#52

Toluene

Concen: 52.779 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006265.D

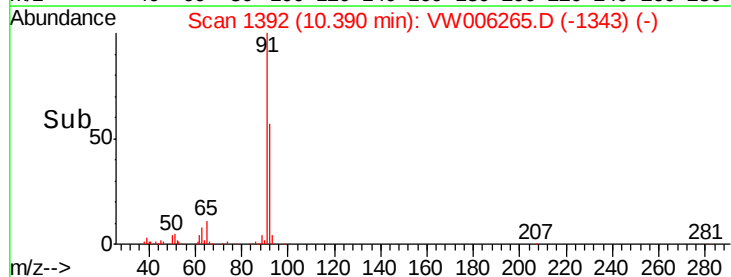
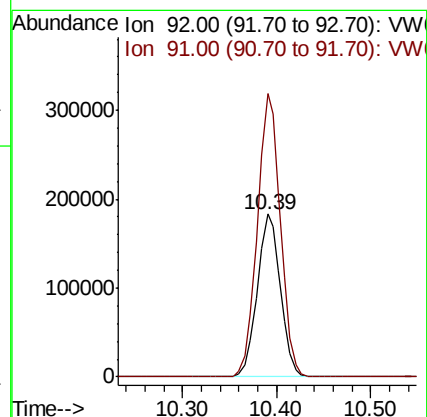
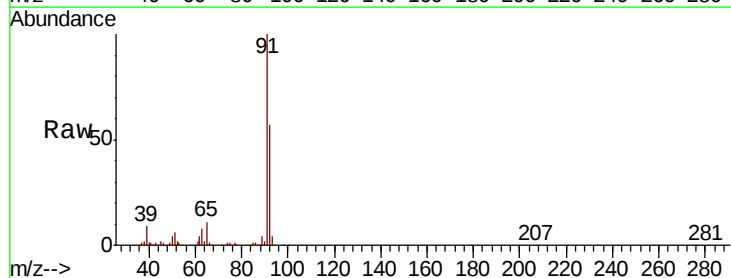
Acq: 22 Oct 2018 21:36

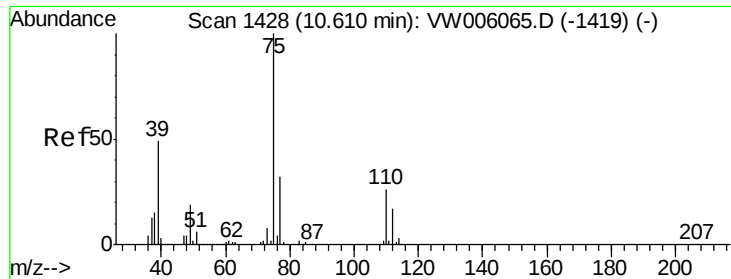
Tgt Ion: 92 Resp: 316067

Ion Ratio Lower Upper

92 100

91 173.6 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.732 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

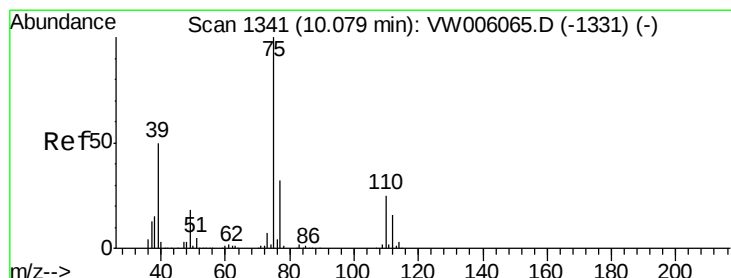
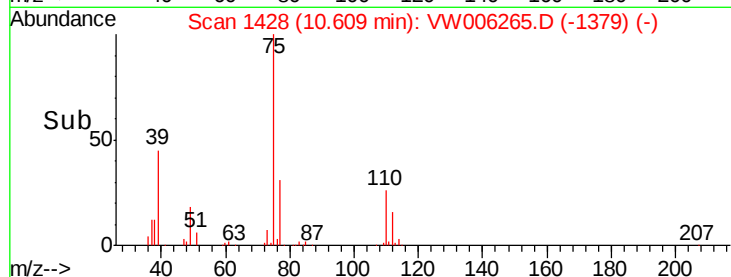
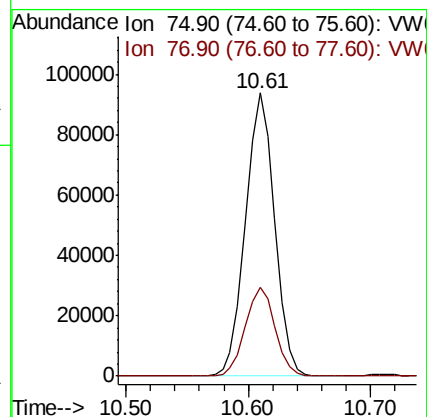
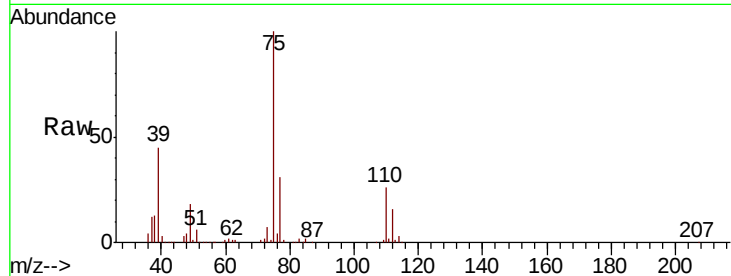
VSTDCCC050EC

Tot Ion: 75 Resp: 155178

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.840 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

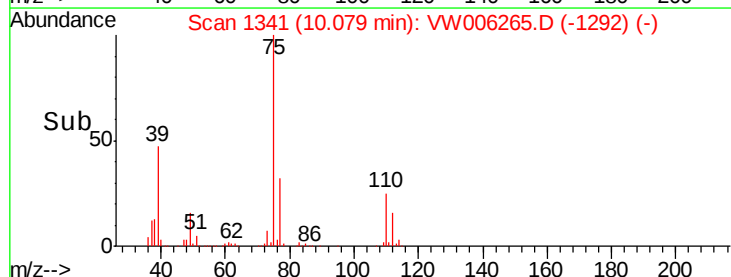
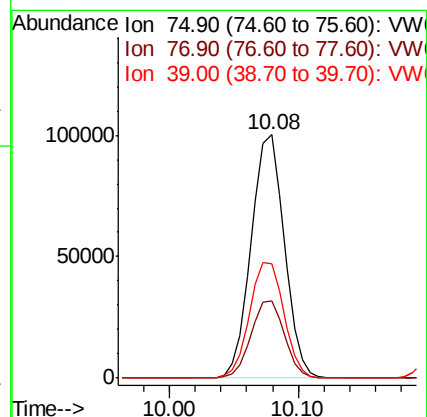
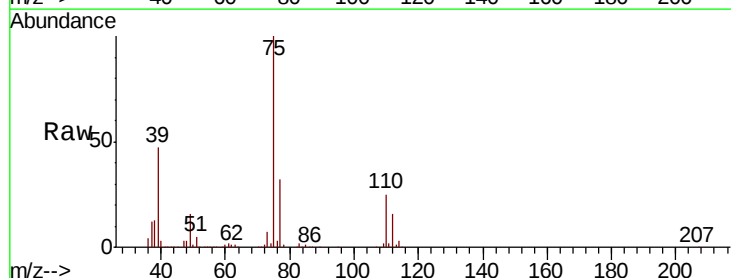
Tgt Ion: 75 Resp: 178459

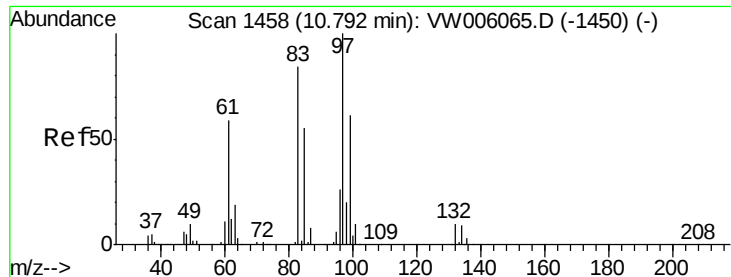
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 47.0 39.9 59.9

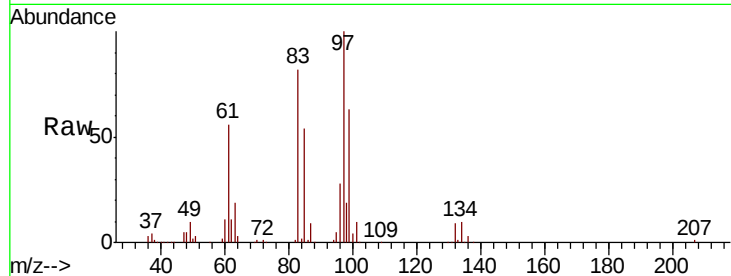




#55
 1,1,2-Trichloroethane
 Concen: 54.972 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	93717
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.2	100.8
85	53.7	43.7	65.5
99	62.5	48.5	72.7



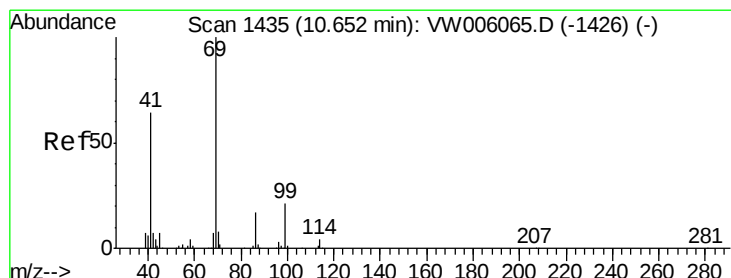
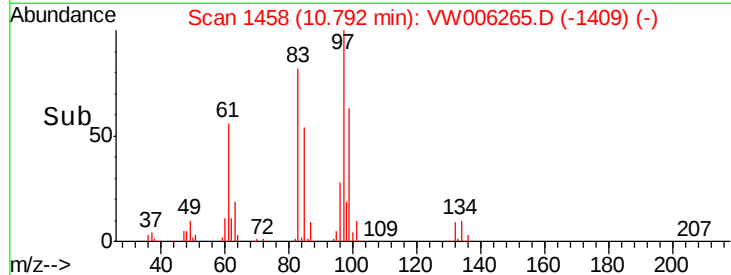
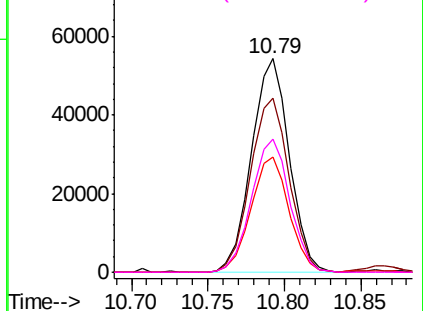
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

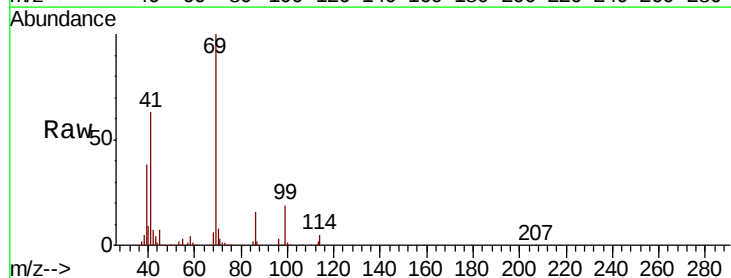
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 54.508 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion:	69	Resp:	113921
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.8	79.2
39	34.0	30.6	45.8

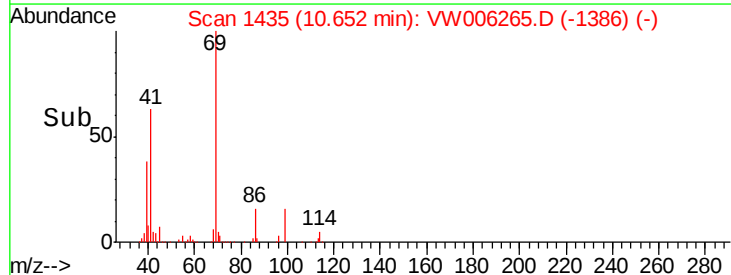
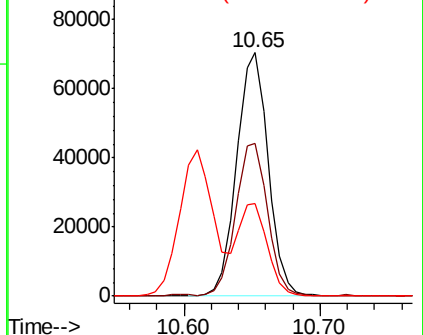


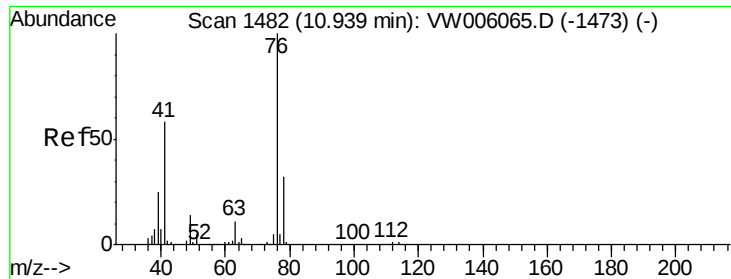
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

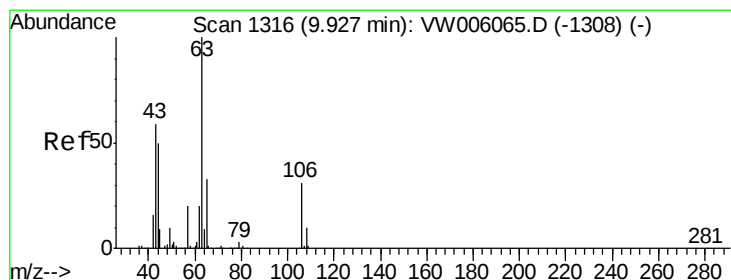
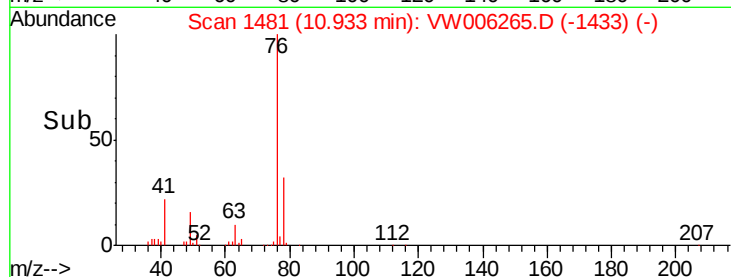
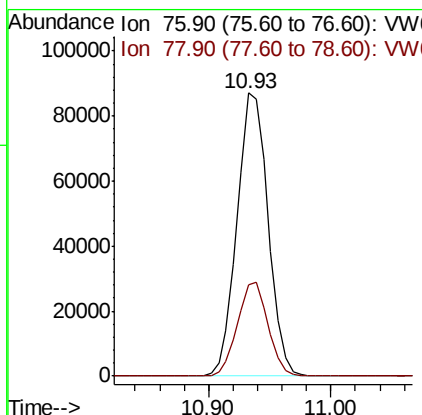
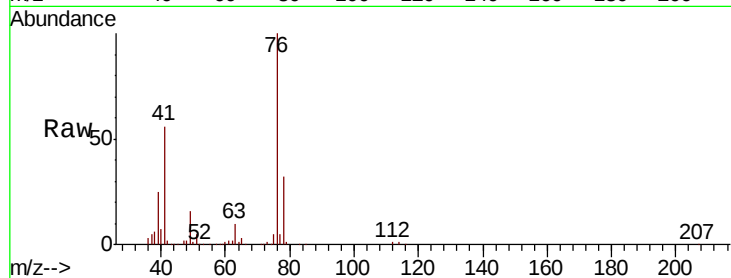




#57
 1,3-Dichloropropane
 Concen: 54.257 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

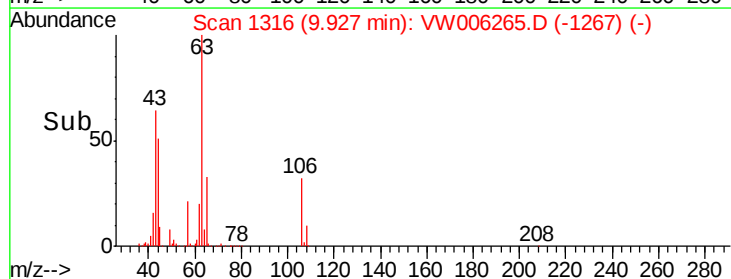
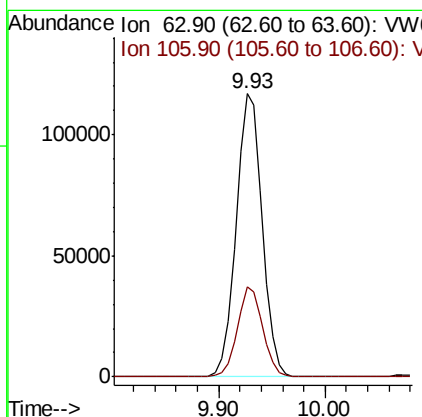
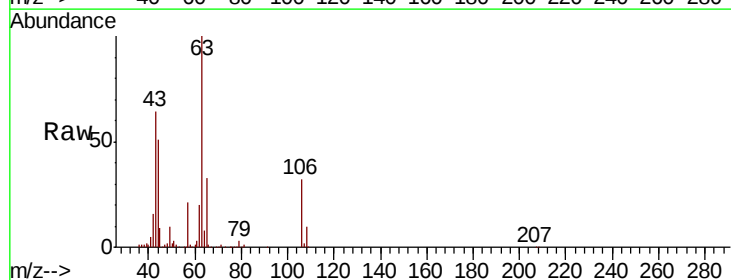
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

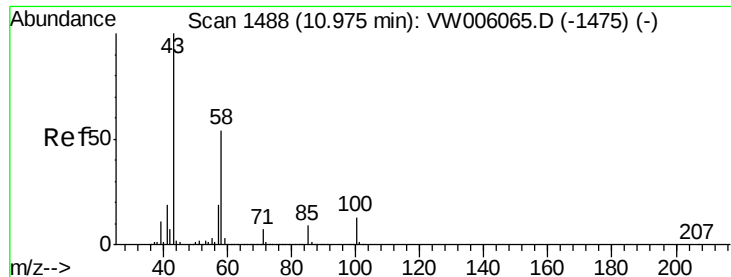
Tot Ion: 76 Resp: 153121
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.639 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion: 63 Resp: 200160
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.5 36.7

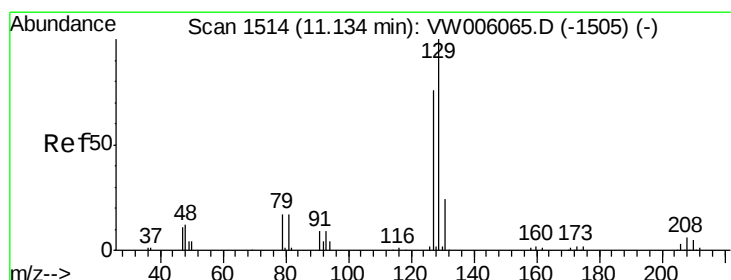
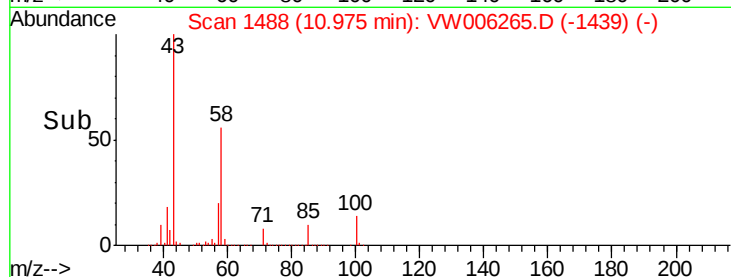
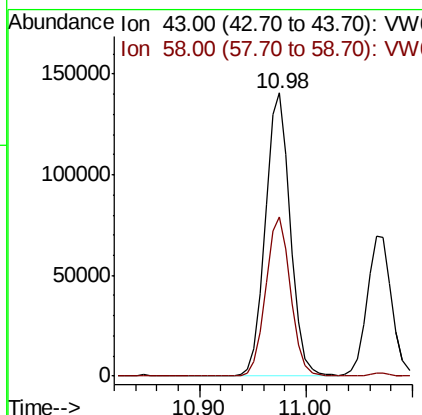
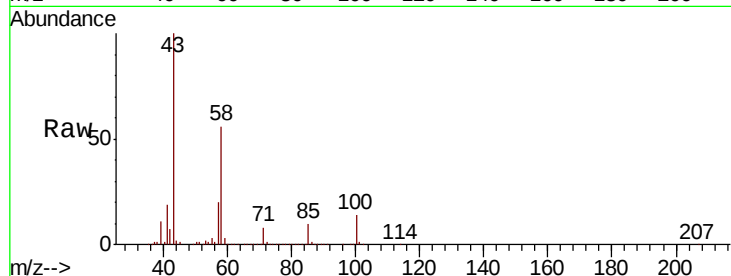




#59
2-Hexanone
Concen: 259.578 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

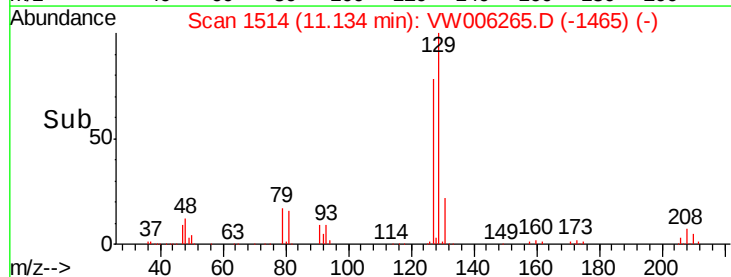
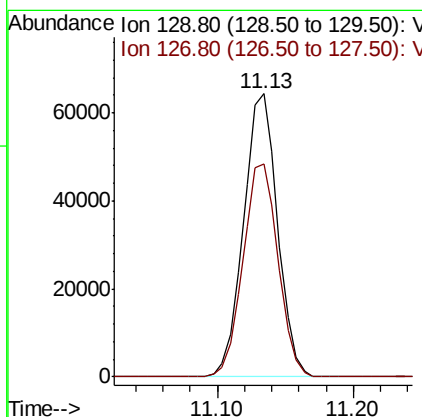
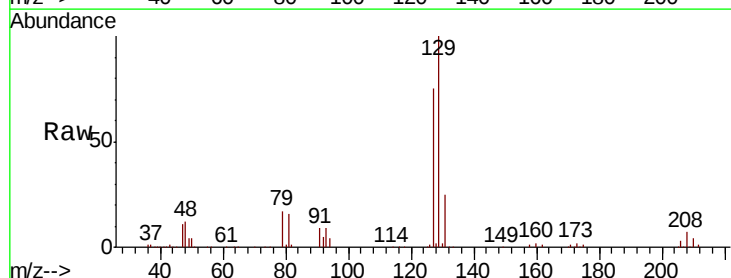
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

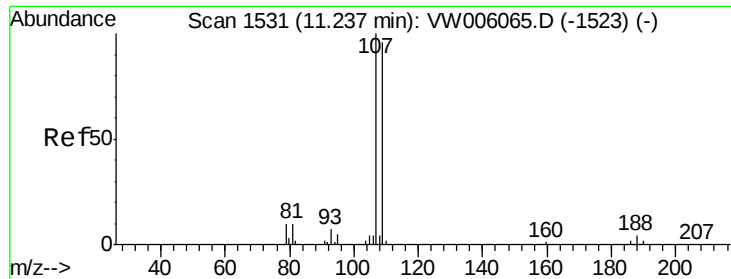
Tot Ion: 43 Resp: 229662
Ion Ratio Lower Upper
43 100
58 56.1 26.9 80.6



#60
Dibromochloromethane
Concen: 52.875 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 129 Resp: 112280
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.915 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

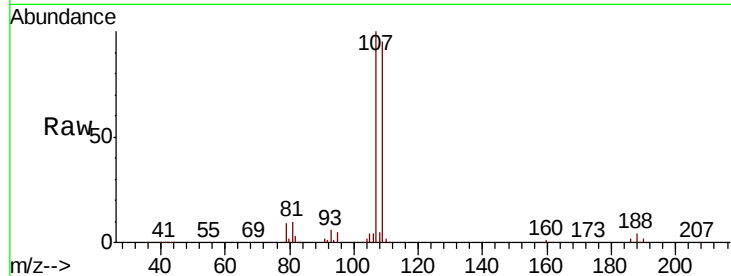
VSTDCCC050EC

Tot Ion:107 Resp: 96950

Ion Ratio Lower Upper

107 100

109 94.8 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

30000

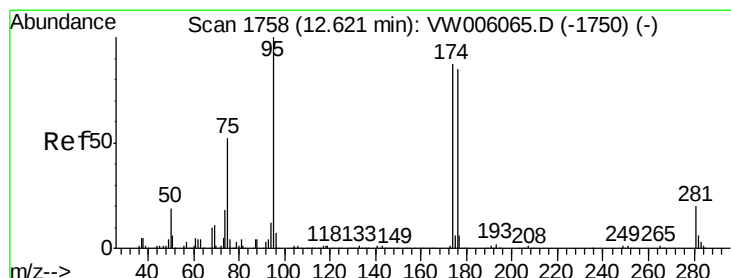
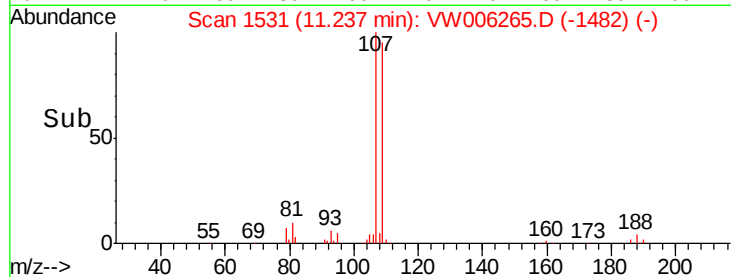
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 51.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

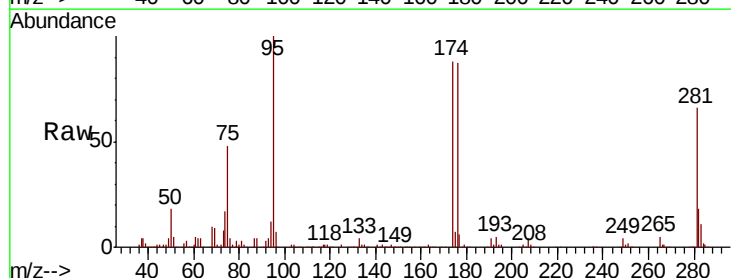
Tgt Ion: 95 Resp: 152426

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.0

176 92.0 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

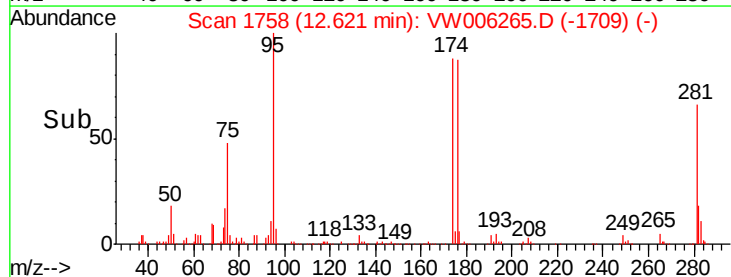
100000

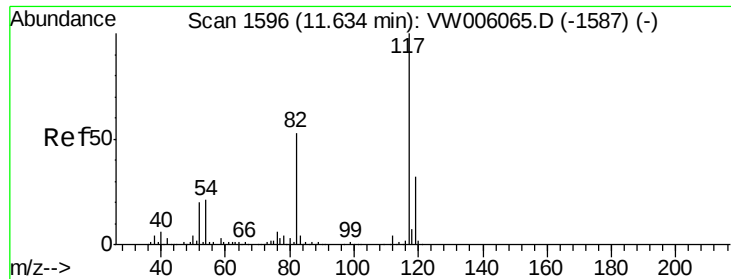
50000

0

Time-->

12.55 12.60 12.65 12.70

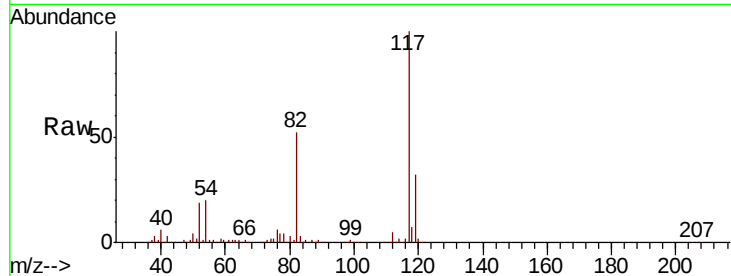




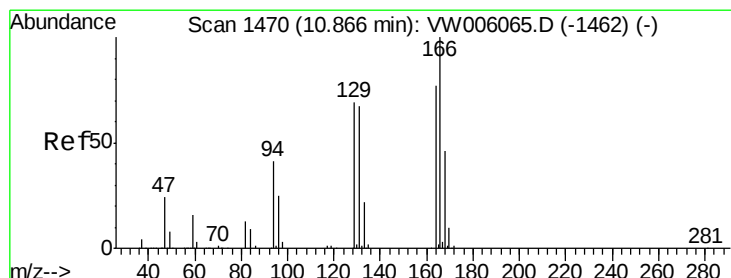
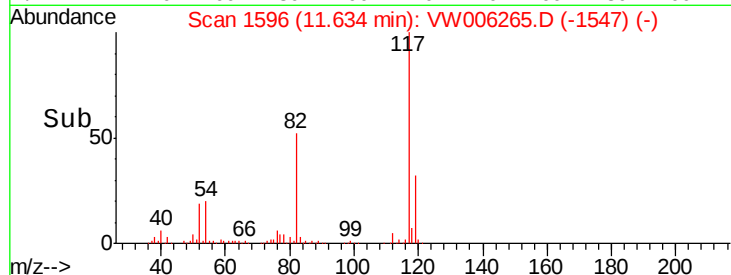
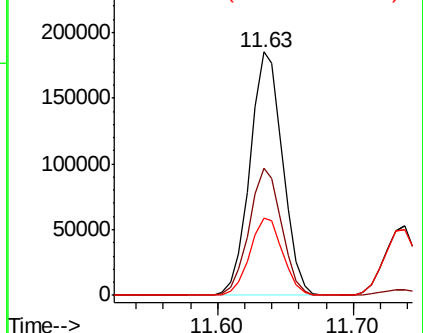
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 311786
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 32.0 25.8 38.6

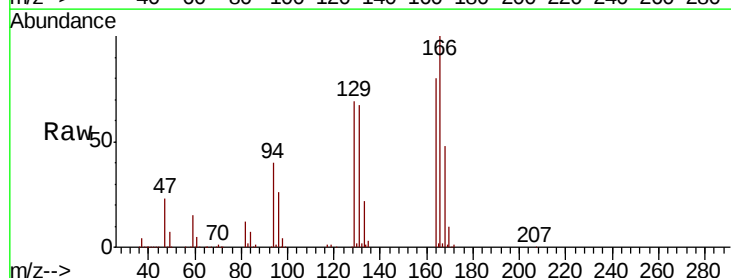


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

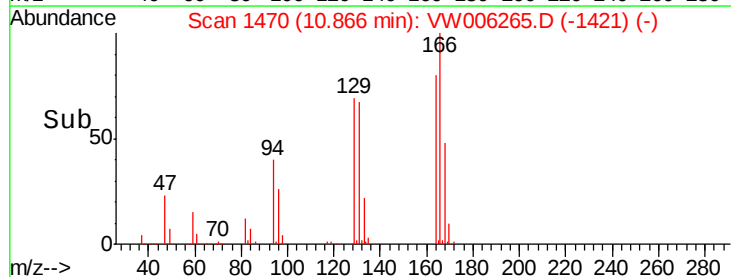
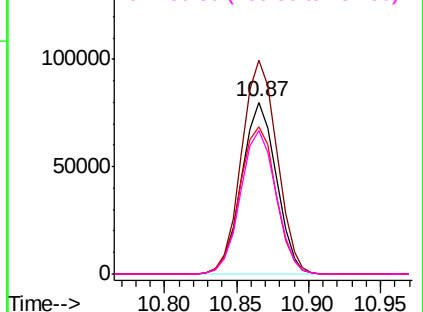


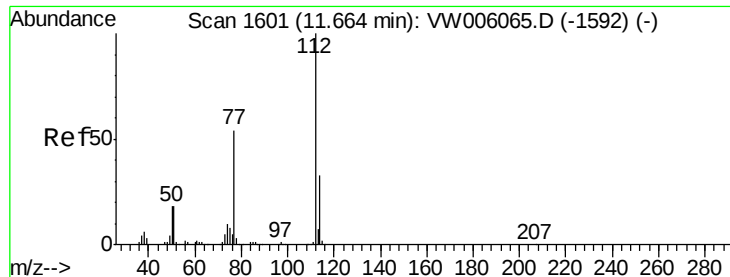
#64
Tetrachloroethene
Concen: 55.336 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:164 Resp: 133937
Ion Ratio Lower Upper
164 100
166 124.5 103.4 155.0
129 85.5 71.8 107.8
131 83.8 69.5 104.3



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

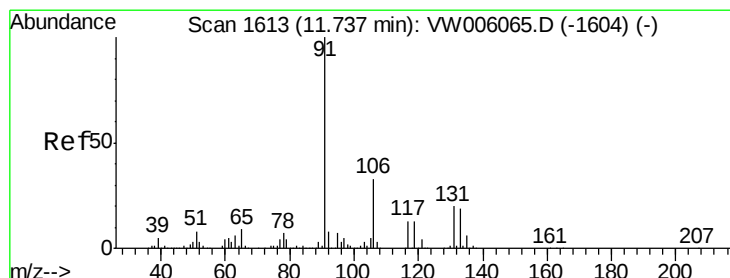
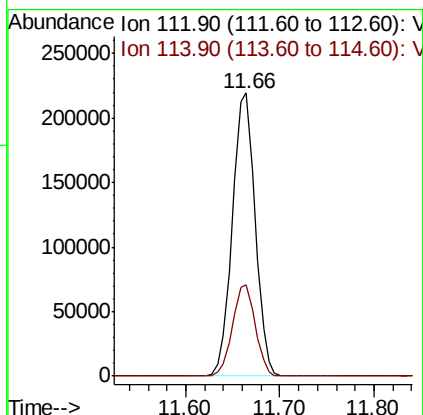
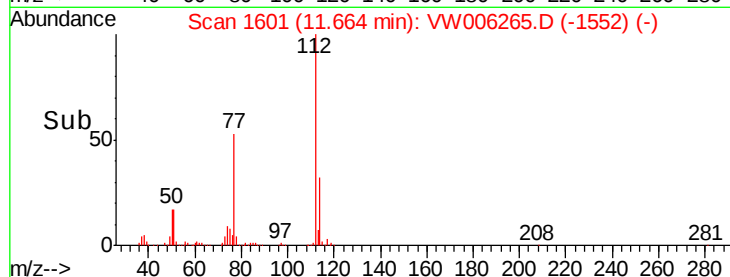
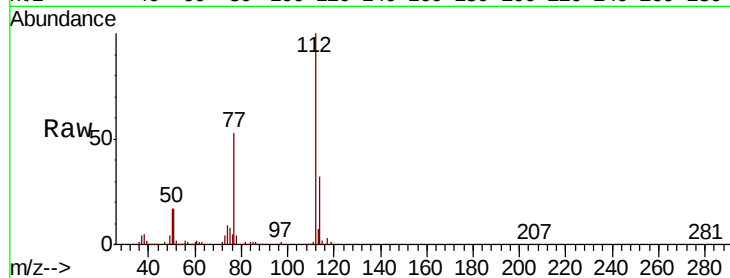




#65
Chlorobenzene
Concen: 55.232 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

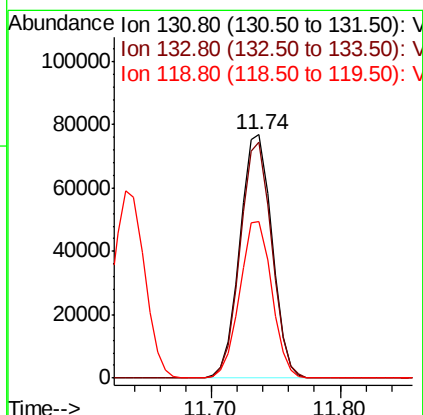
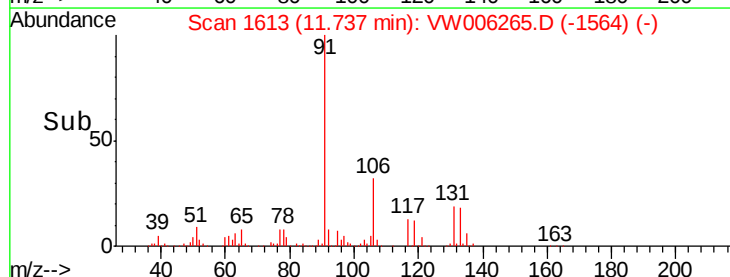
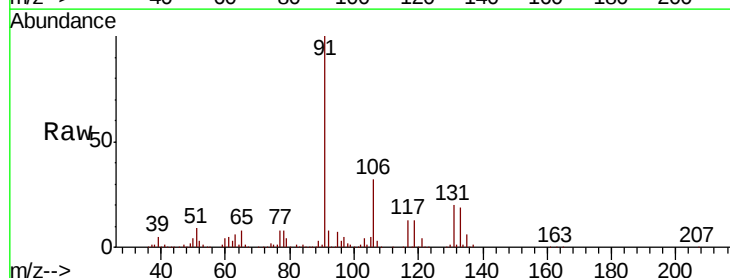
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

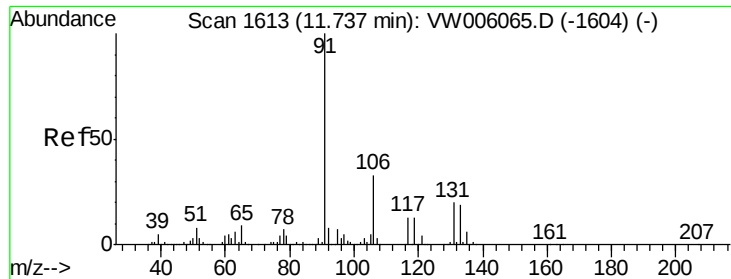
Tot Ion:112 Resp: 368644
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.841 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:131 Resp: 132452
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.3
119 64.0 31.6 94.7

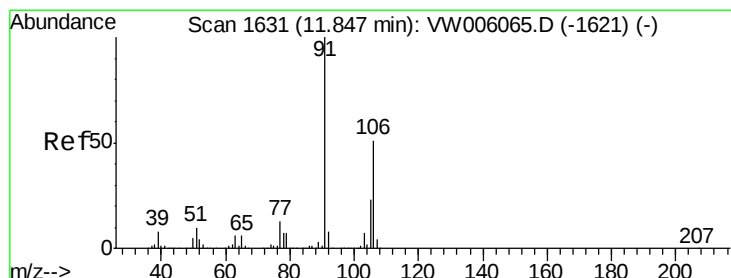
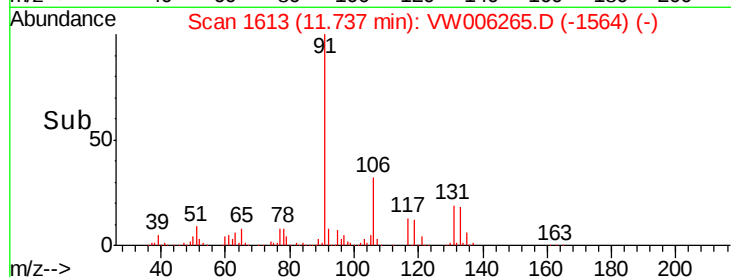
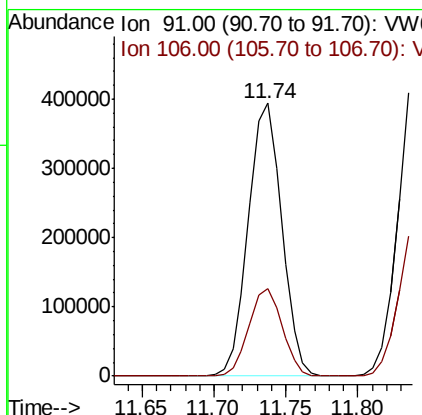
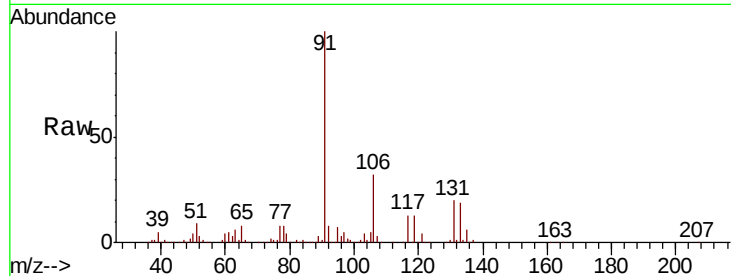




#67
Ethyl Benzene
Concen: 54.838 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

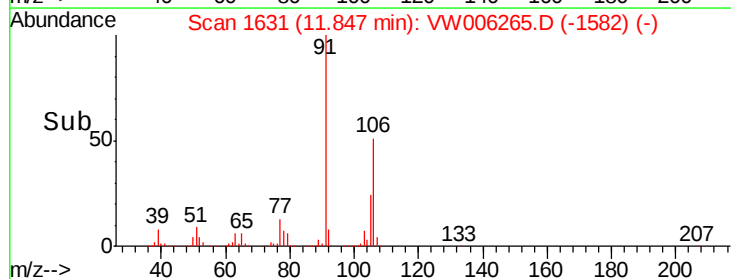
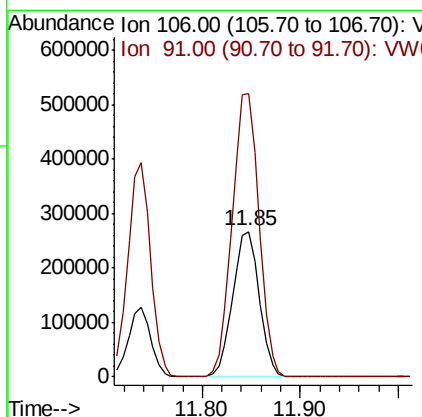
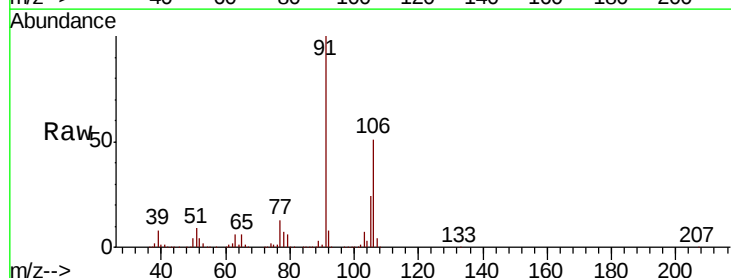
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

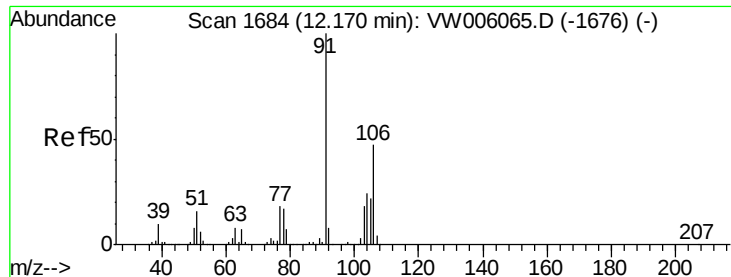
Tot Ion: 91 Resp: 634313
Ion Ratio Lower Upper
91 100
106 32.3 26.1 39.1



#68
m/p-Xylenes
Concen: 109.814 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 106 Resp: 502058
Ion Ratio Lower Upper
106 100
91 197.7 159.1 238.7

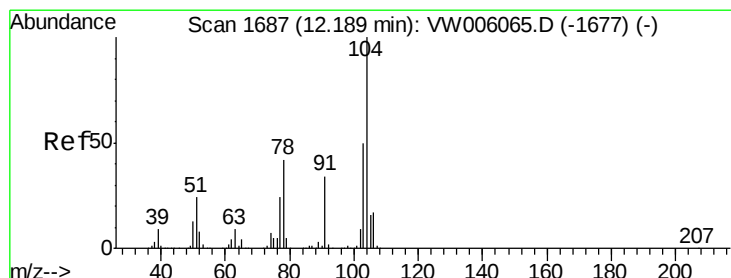
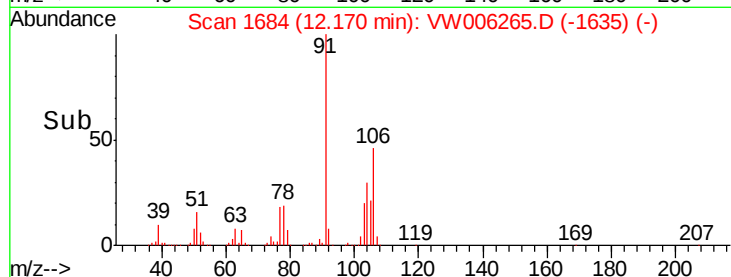
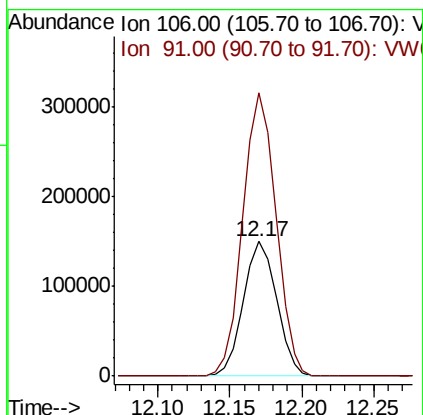
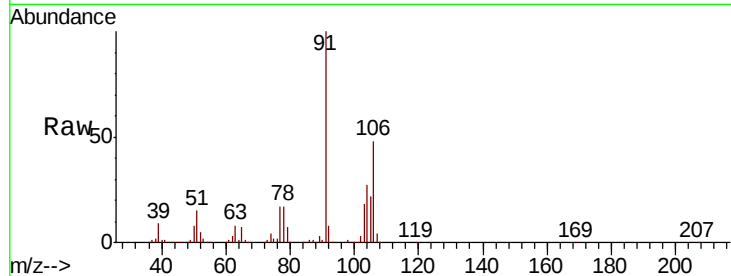




#69
o-Xylene
Concen: 55.264 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

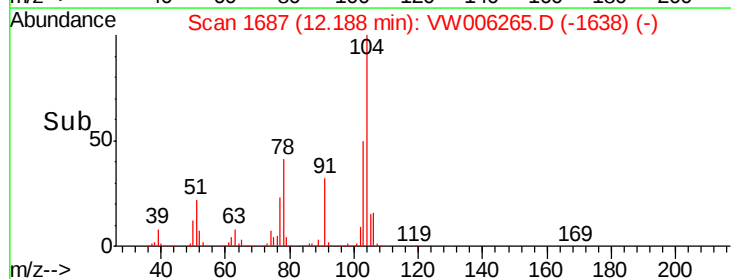
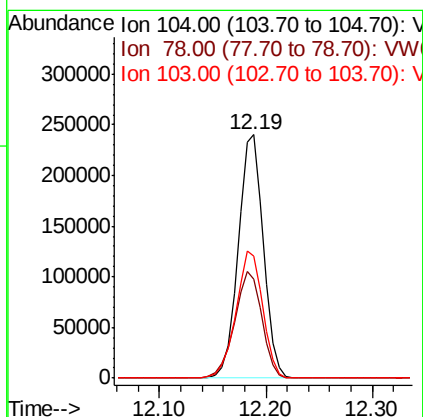
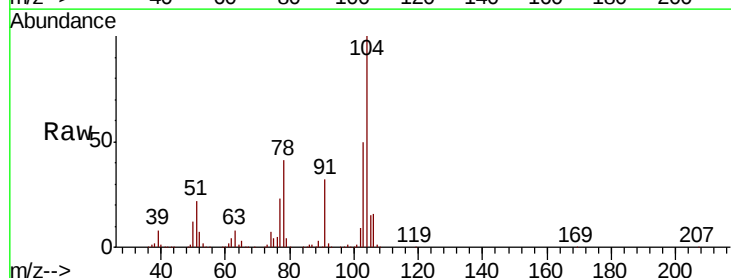
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

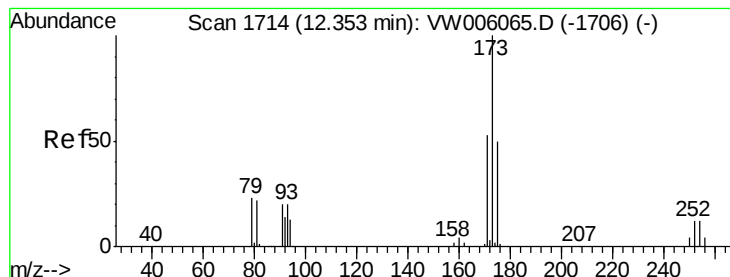
Tot Ion:106 Resp: 240794
Ion Ratio Lower Upper
106 100
91 209.3 105.4 316.1



#70
Styrene
Concen: 55.897 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:104 Resp: 396045
Ion Ratio Lower Upper
104 100
78 47.8 39.1 58.7
103 55.7 44.3 66.5





#71

Bromoform

Concen: 55.141 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

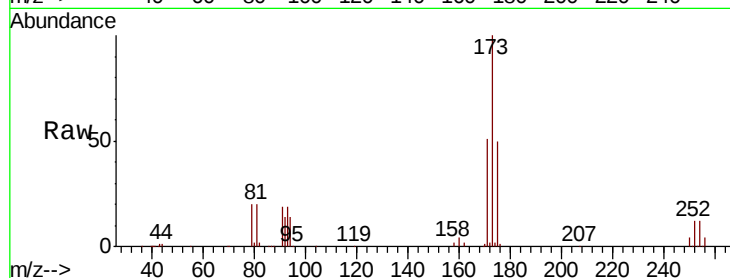
Tot Ion:173 Resp: 72952

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

254 0.2 0.1 0.1#

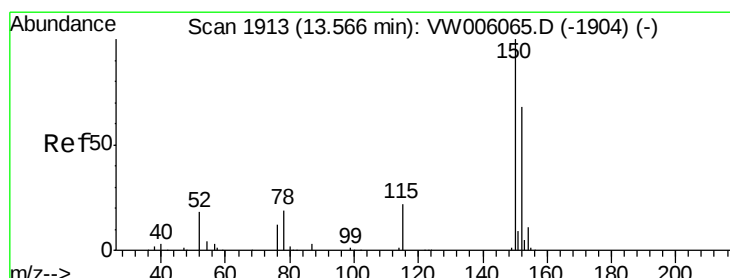
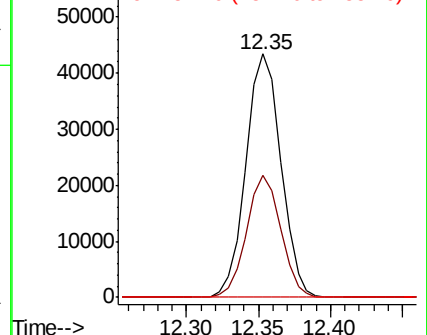
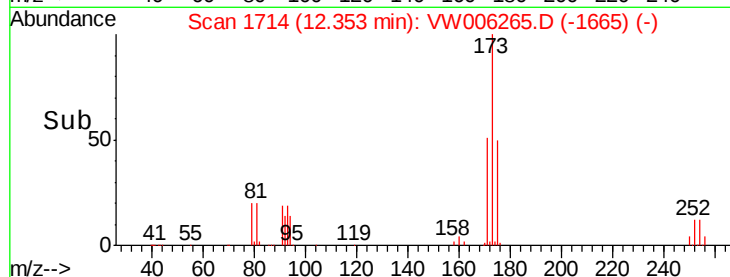


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

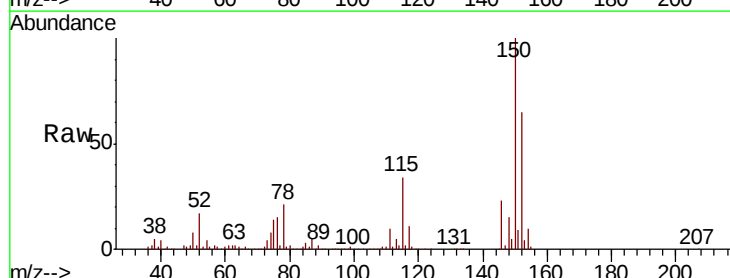
Tgt Ion:152 Resp: 180150

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

150 173.9 0.0 349.2

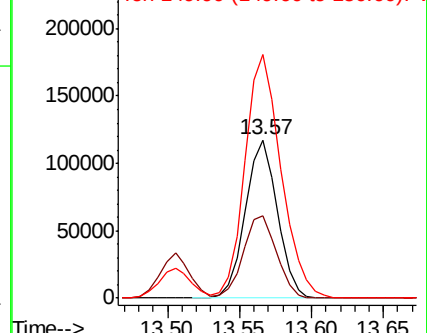
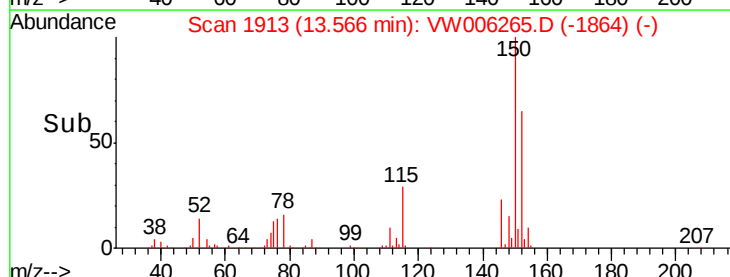


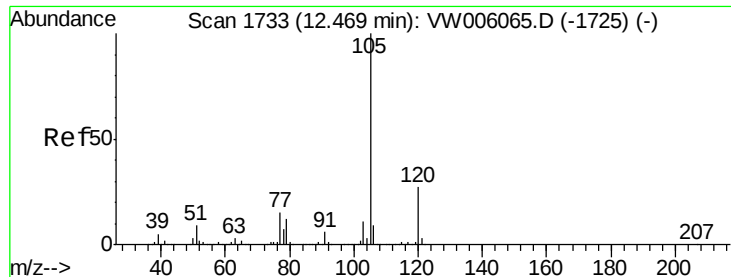
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.482 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

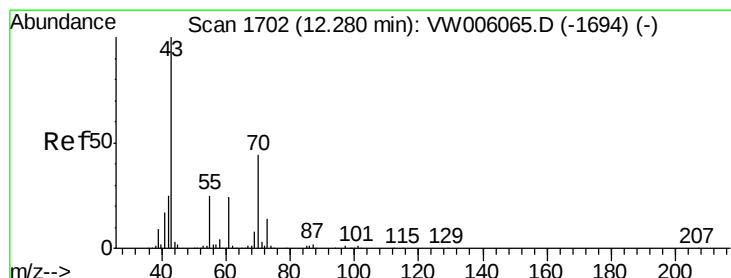
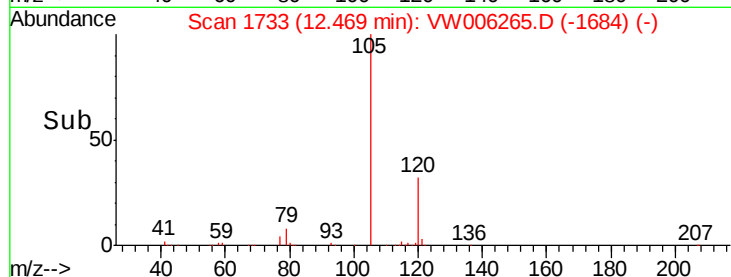
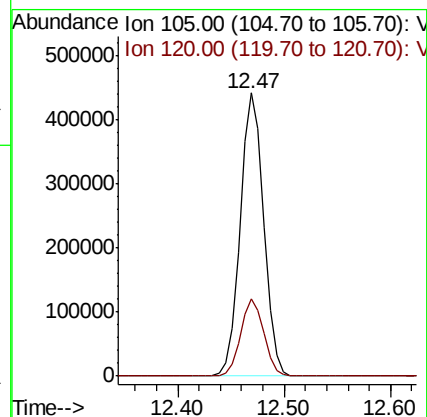
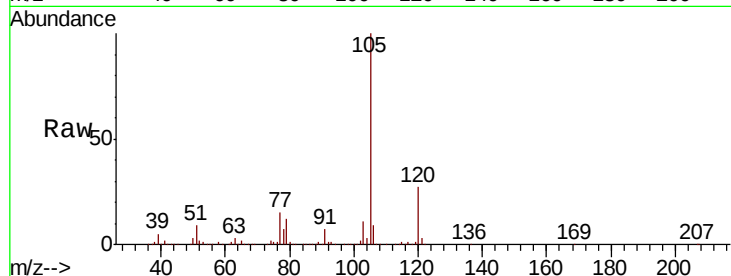
VSTDCCC050EC

Tot Ion:105 Resp: 680664

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 52.056 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion: 43 Resp: 128679

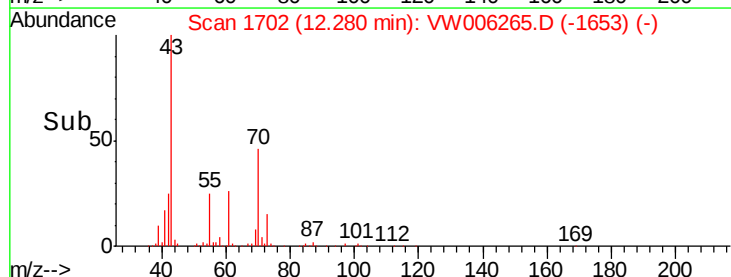
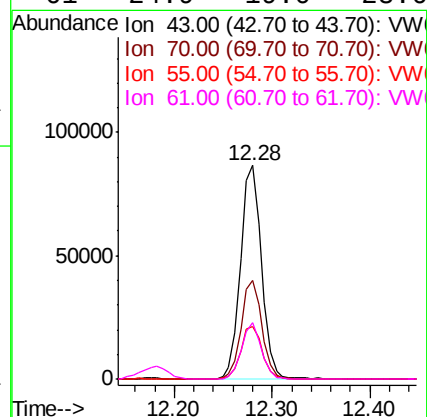
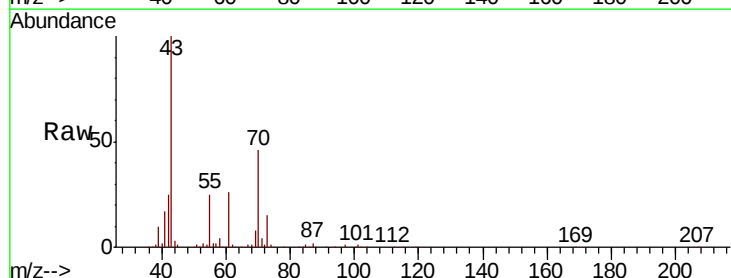
Ion Ratio Lower Upper

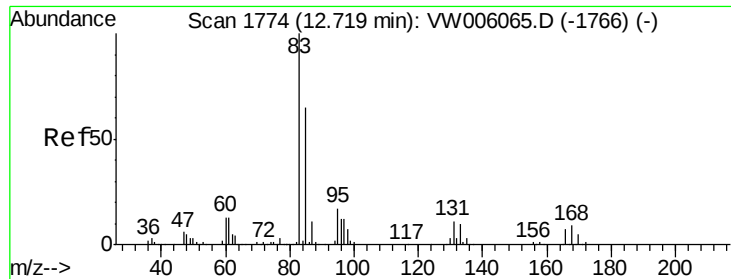
43 100

70 45.8 34.2 51.4

55 25.4 19.2 28.8

61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.482 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

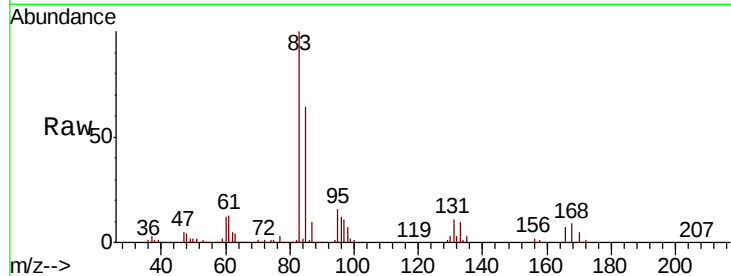
Tot Ion: 83 Resp: 111269

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

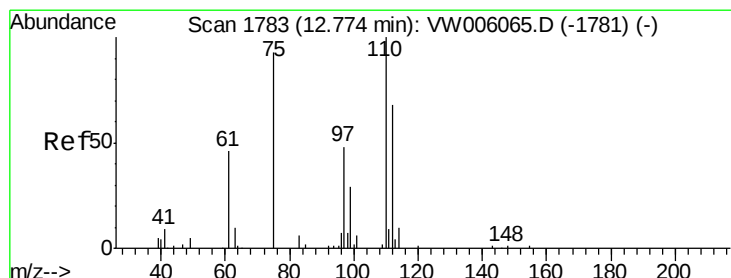
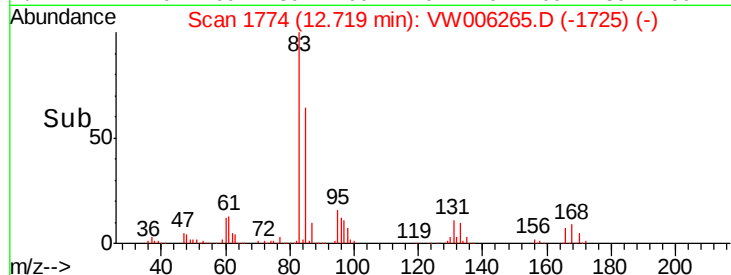
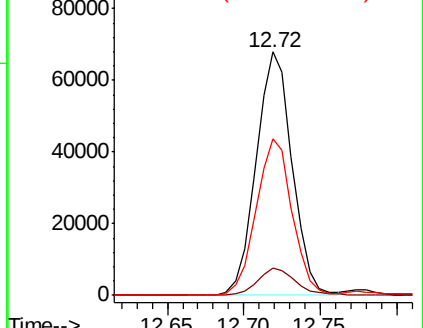
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.738 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006265.D

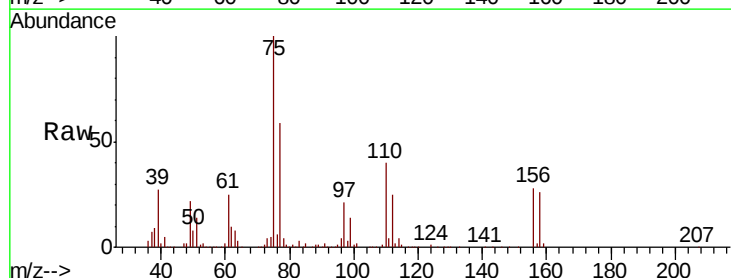
Acq: 22 Oct 2018 21:36

Tgt Ion: 75 Resp: 138615

Ion Ratio Lower Upper

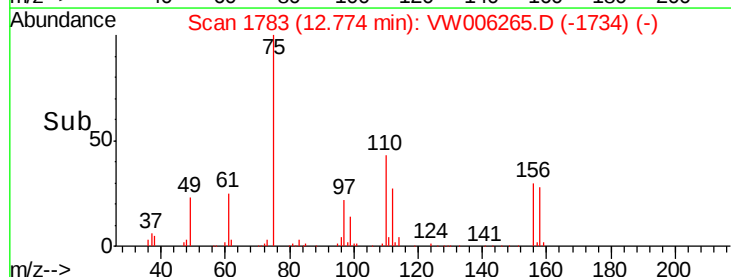
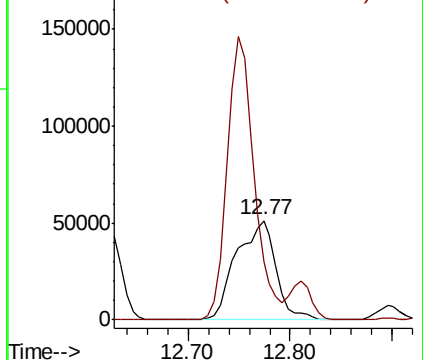
75 100

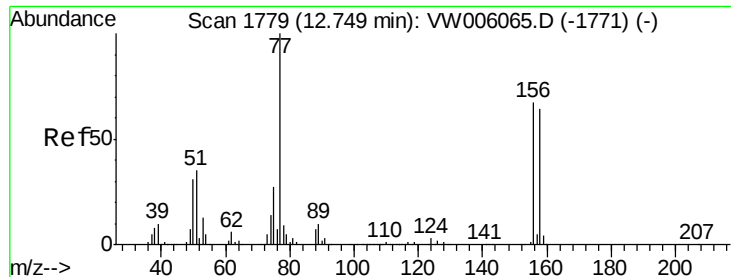
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.355 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

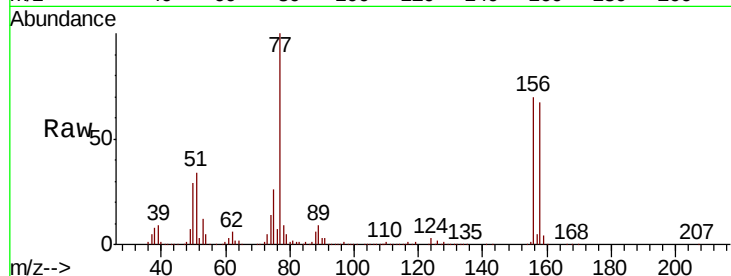
Tot Ion:156 Resp: 169438

Ion Ratio Lower Upper

156 100

77 157.9 79.1 237.4

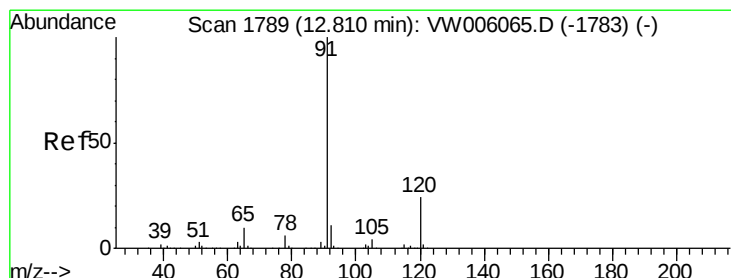
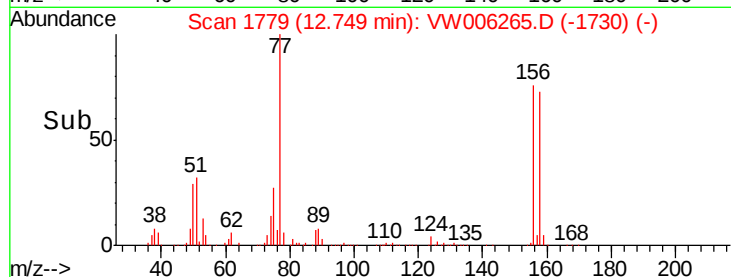
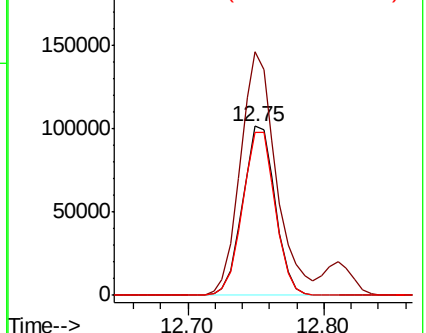
158 97.0 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.899 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006265.D

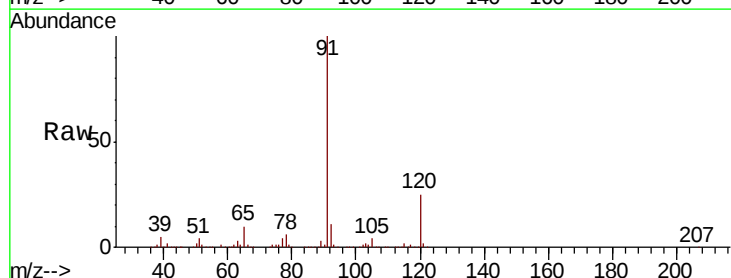
Acq: 22 Oct 2018 21:36

Tgt Ion: 91 Resp: 783269

Ion Ratio Lower Upper

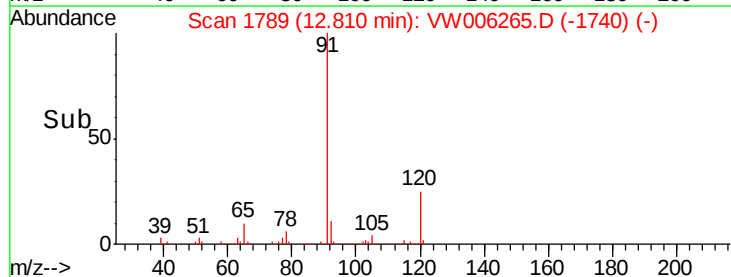
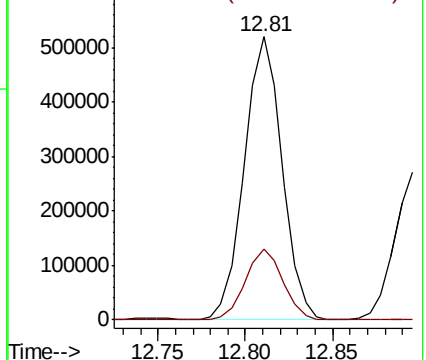
91 100

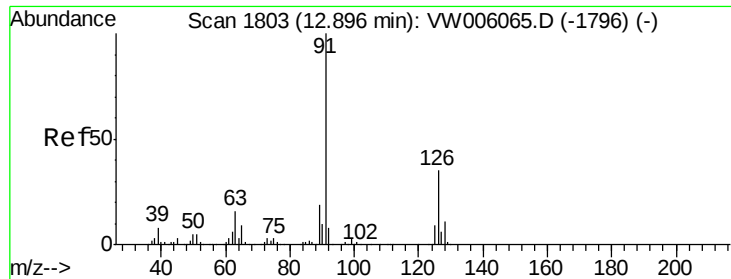
120 24.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.594 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

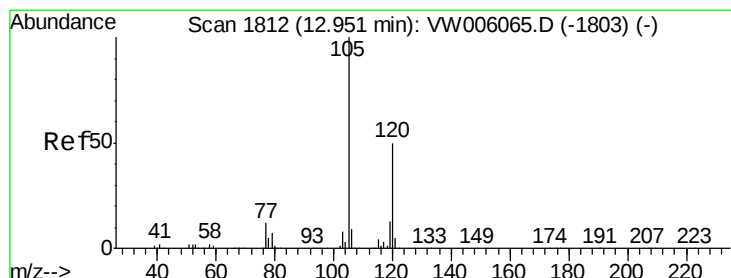
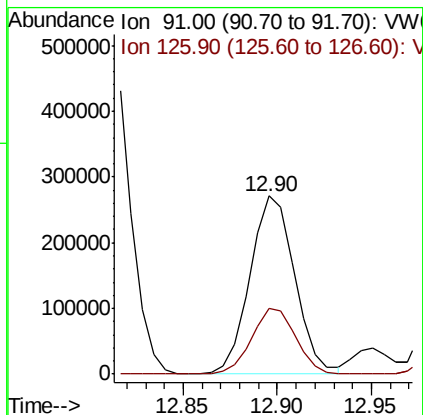
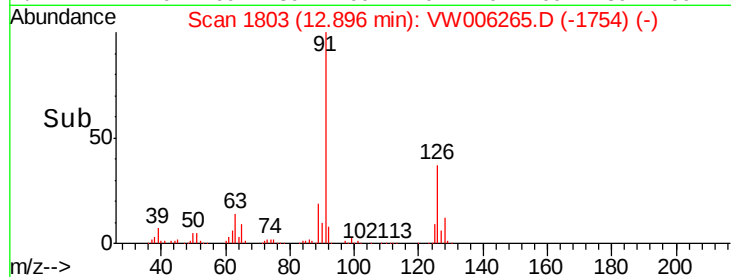
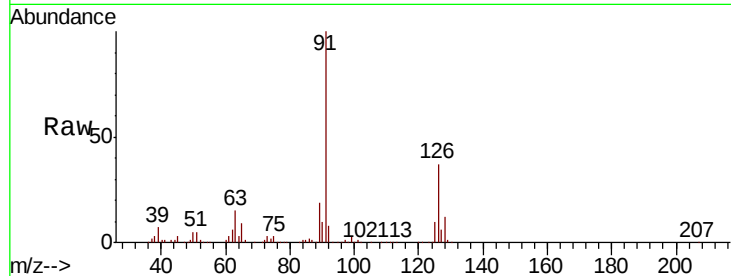
VSTDCCC050EC

Tot Ion: 91 Resp: 445868

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 53.268 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006265.D

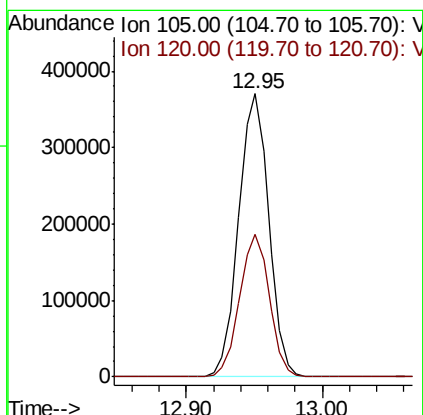
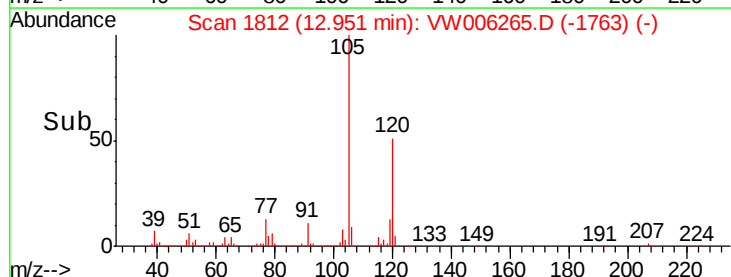
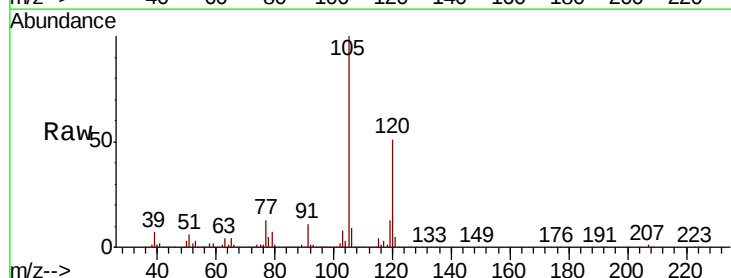
Acq: 22 Oct 2018 21:36

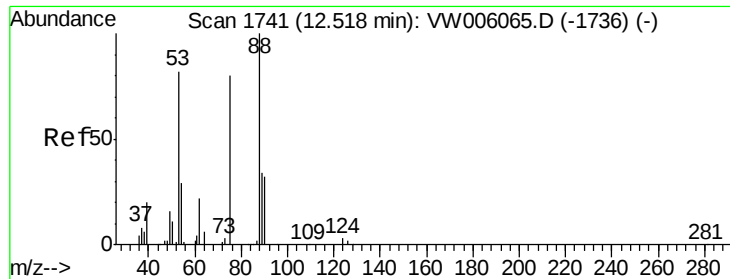
Tgt Ion:105 Resp: 571520

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.434 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

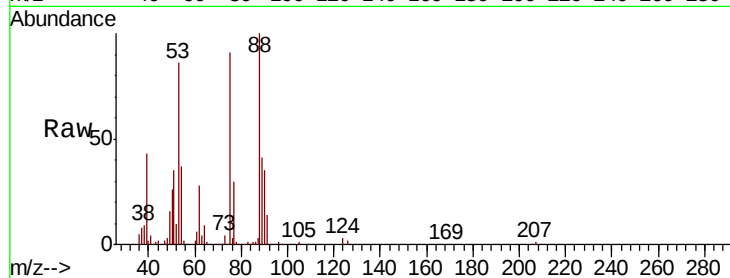
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 29607

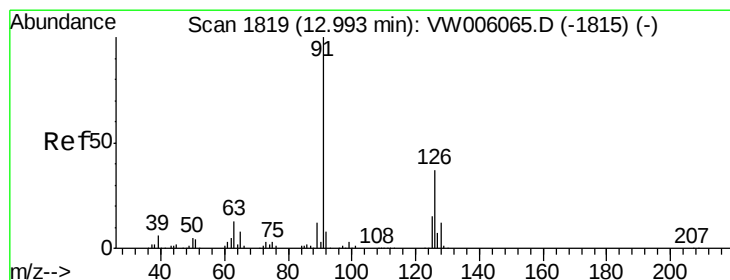
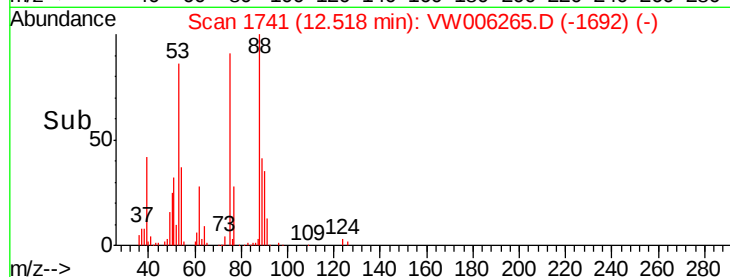
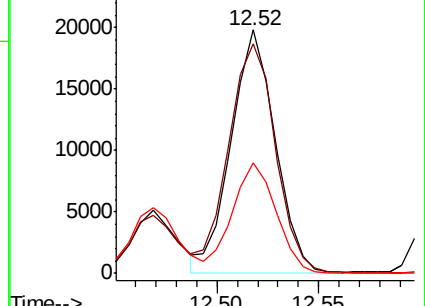
Ion	Ratio	Lower	Upper
75	100		
53	101.5	79.8	119.6
89	45.4	37.5	56.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 55.747 ug/l

RT: 12.99 min Scan# 1819

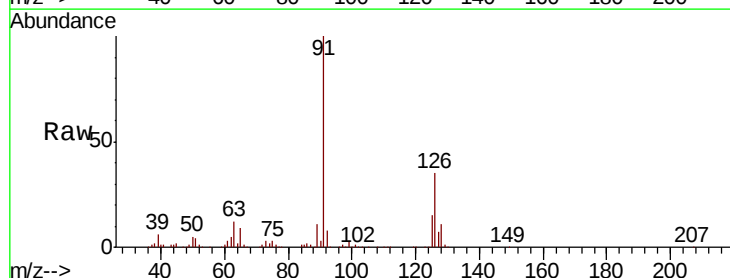
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

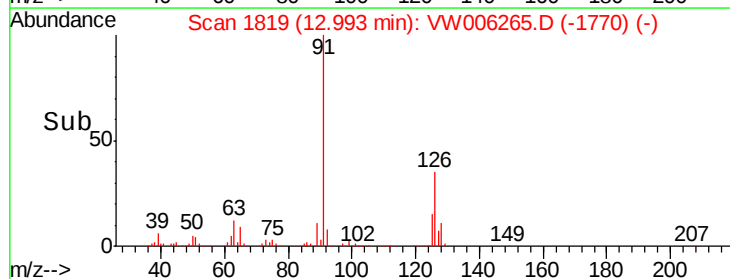
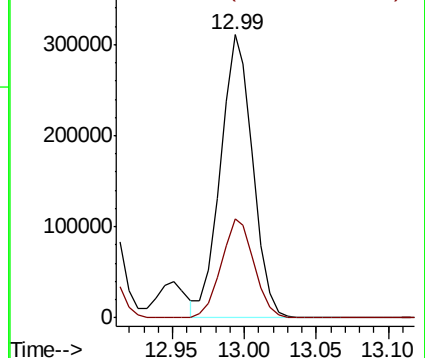
Tgt Ion: 91 Resp: 485828

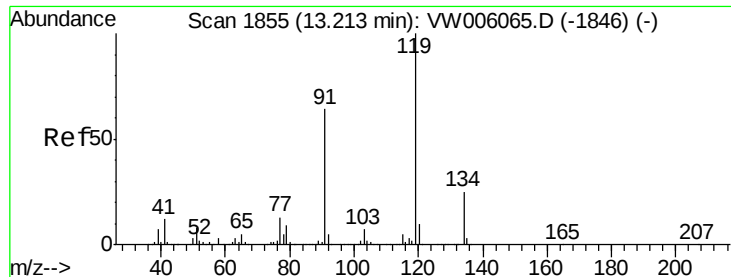
Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.1	54.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

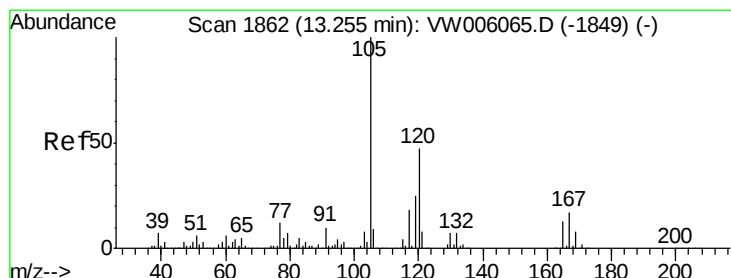
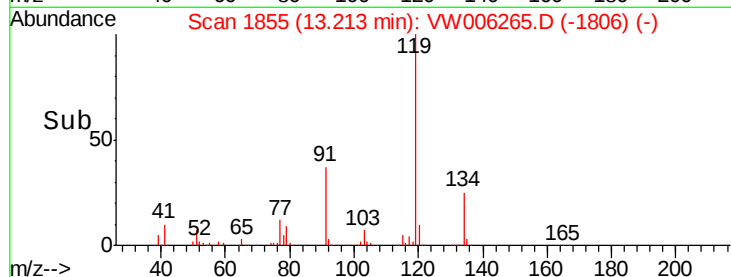
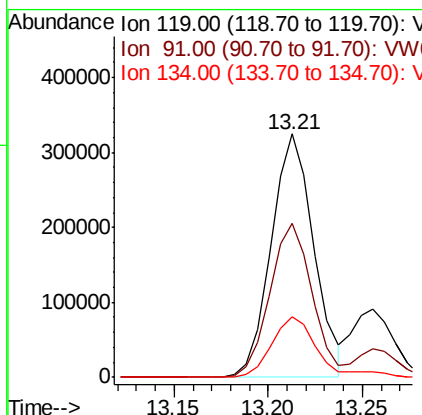
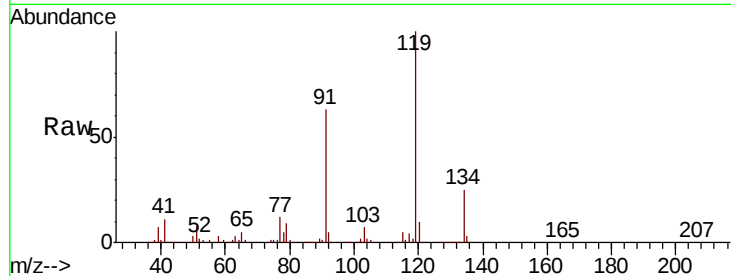




#83
tert-Butylbenzene
Concen: 52.969 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

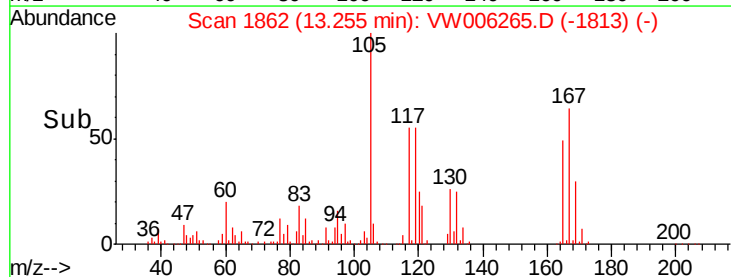
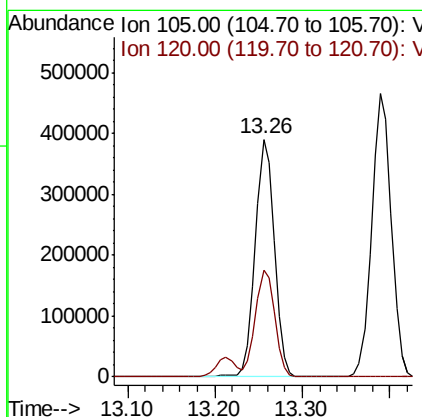
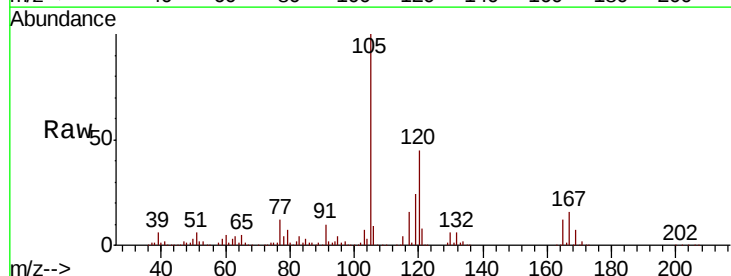
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

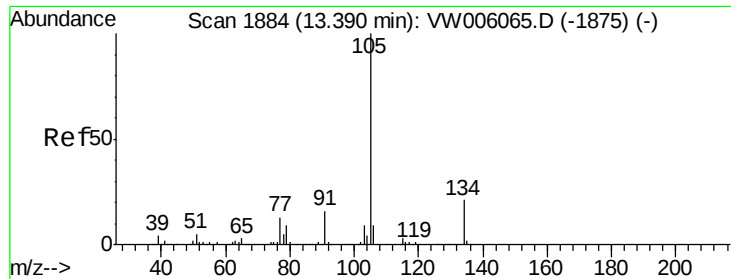
Tot Ion:119 Resp: 508472
Ion Ratio Lower Upper
119 100
91 62.6 32.3 96.9
134 25.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 54.437 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:105 Resp: 591020
Ion Ratio Lower Upper
105 100
120 45.5 23.1 69.3





#85

sec-Butylbenzene

Concen: 53.564 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

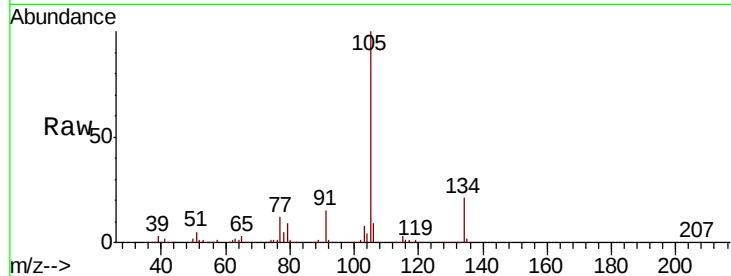
VSTDCCC050EC

Tot Ion:105 Resp: 726409

Ion Ratio Lower Upper

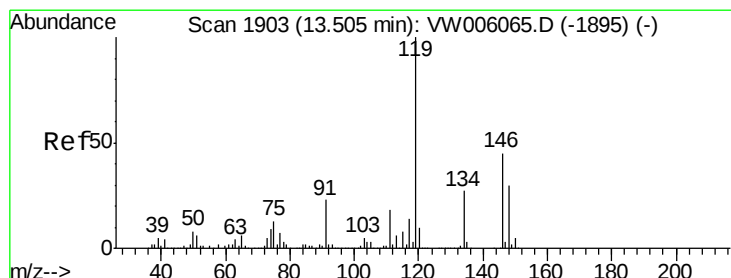
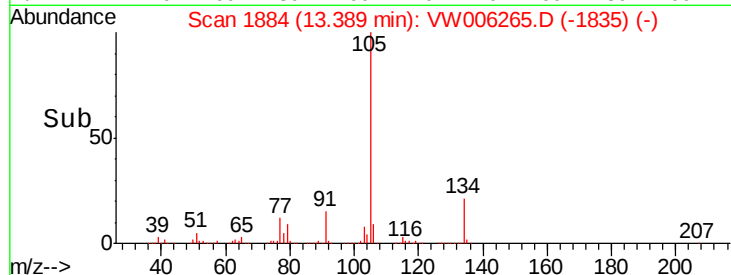
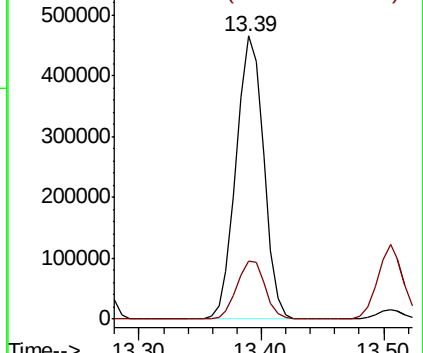
105 100

134 21.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.665 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

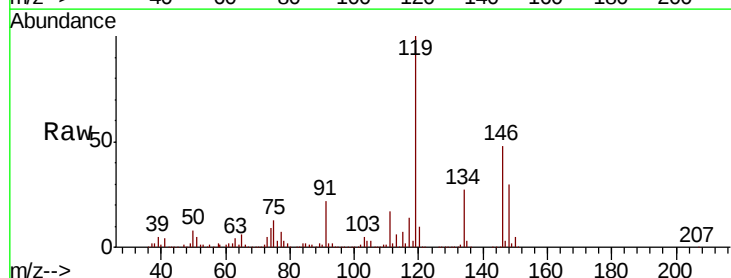
Tgt Ion:119 Resp: 658275

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

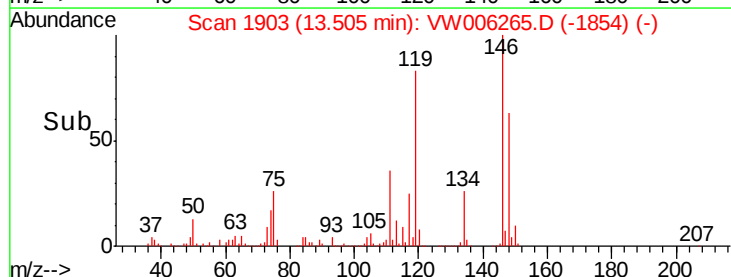
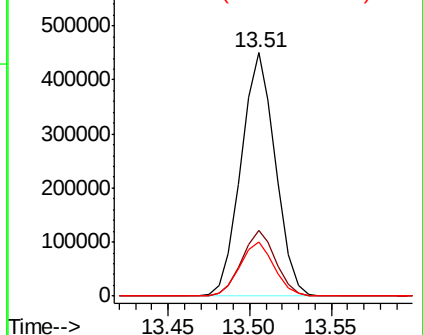
91 22.3 11.4 34.1

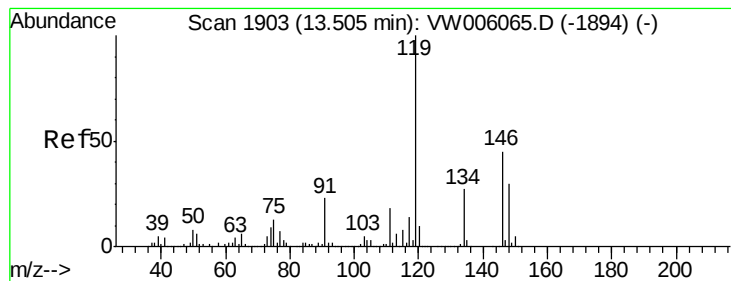


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.349 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

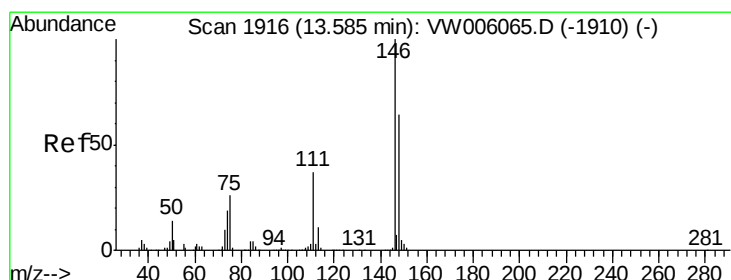
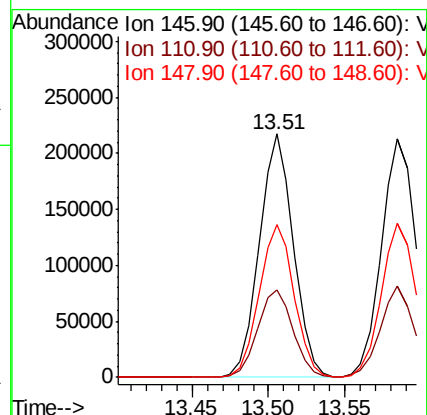
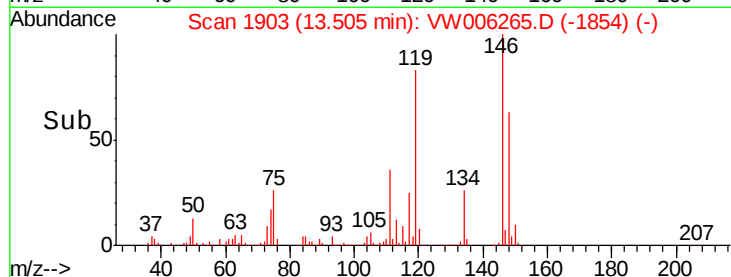
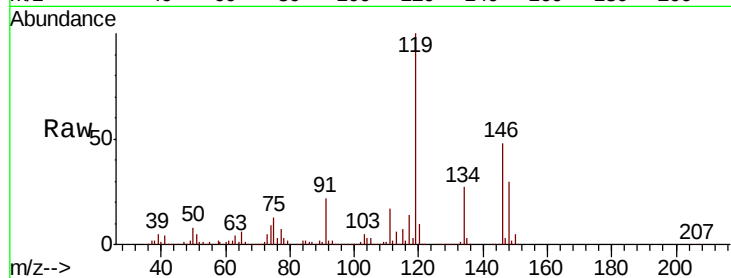
Tot Ion:146 Resp: 337178

Ion Ratio Lower Upper

146 100

111 37.3 19.1 57.5

148 64.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 53.891 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

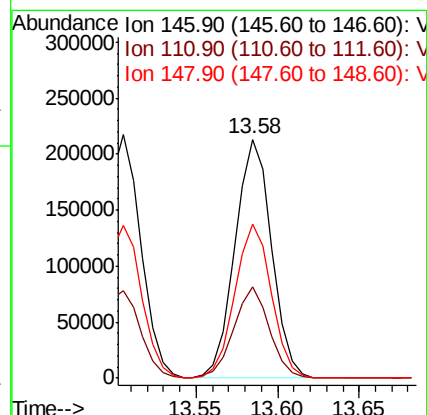
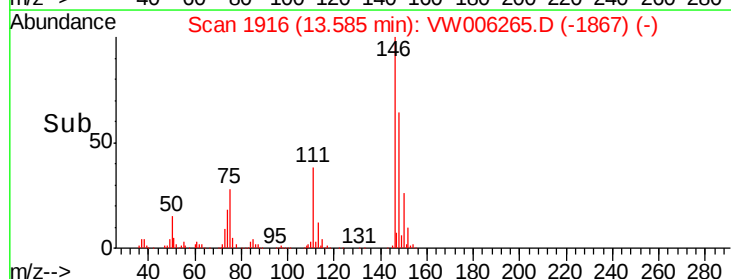
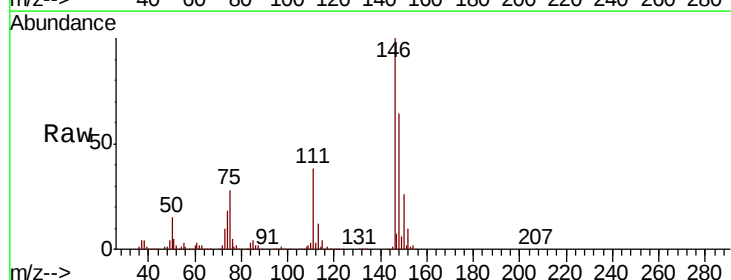
Tgt Ion:146 Resp: 332882

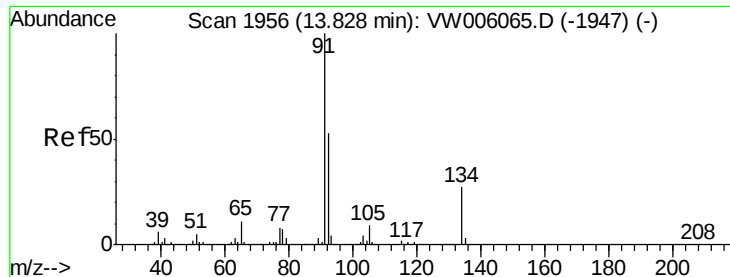
Ion Ratio Lower Upper

146 100

111 36.9 18.6 56.0

148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 53.448 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

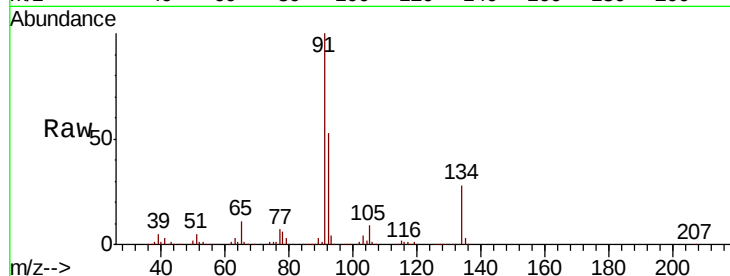
Tot Ion: 91 Resp: 599586

Ion Ratio Lower Upper

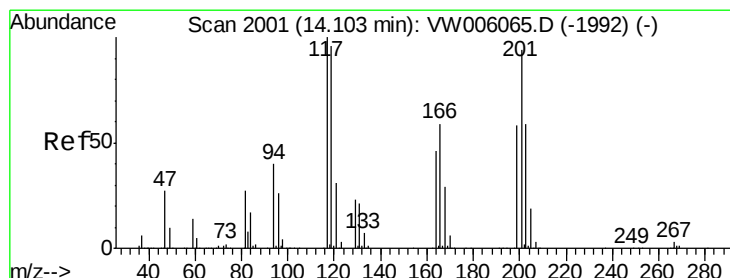
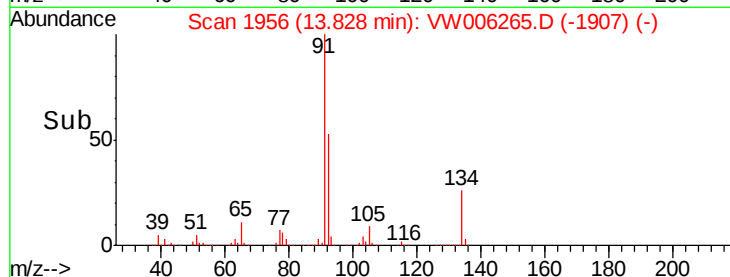
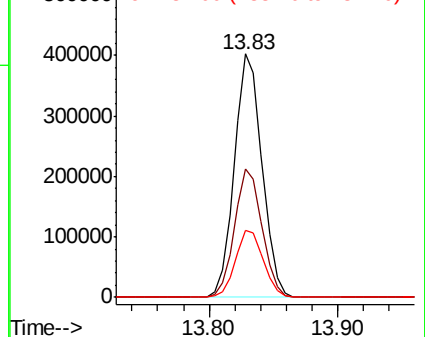
91 100

92 52.6 26.6 79.7

134 27.9 14.0 41.9



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



#90

Hexachloroethane

Concen: 51.922 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006265.D

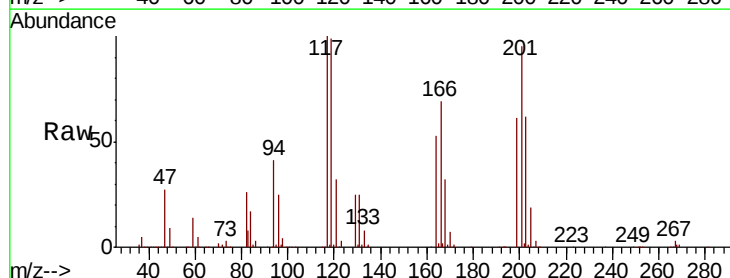
Acq: 22 Oct 2018 21:36

Tgt Ion: 117 Resp: 107879

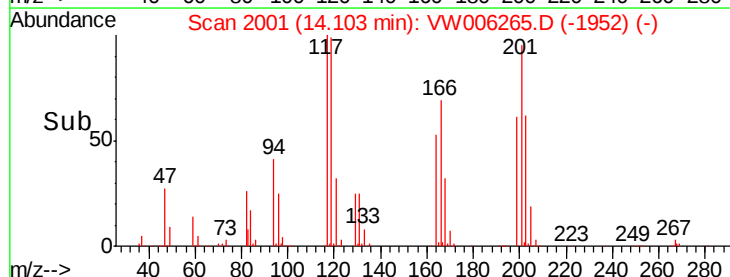
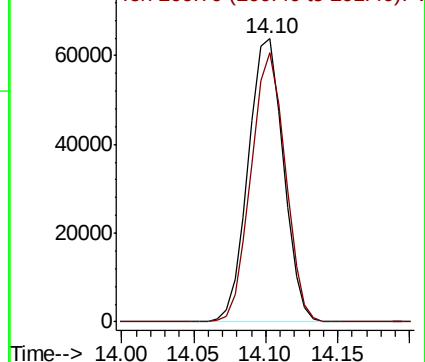
Ion Ratio Lower Upper

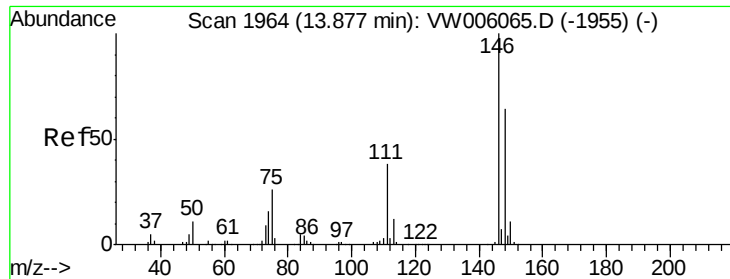
117 100

201 92.4 45.3 135.9



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

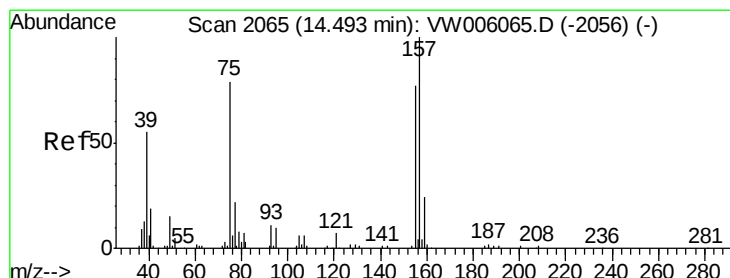
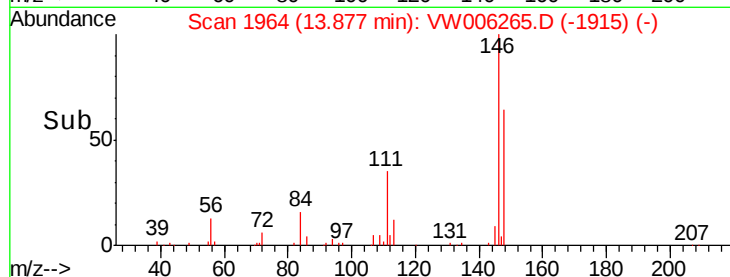
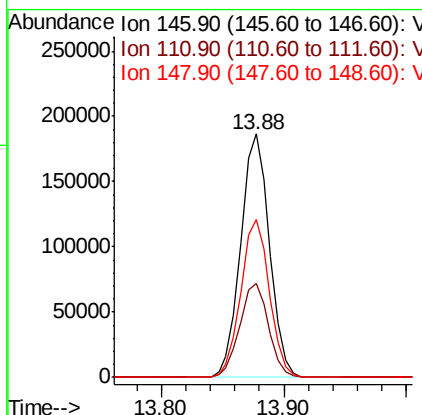
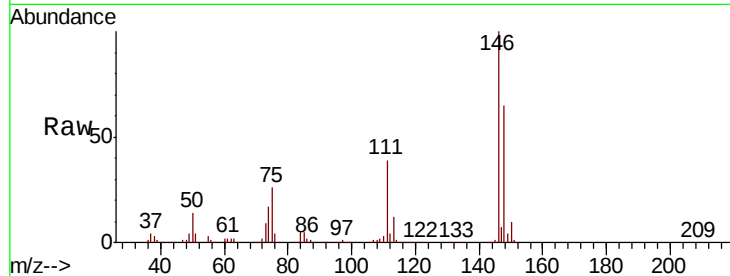




#91
 1,2-Dichlorobenzene
 Concen: 54.755 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

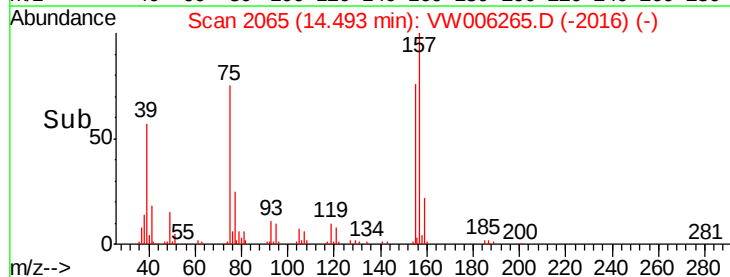
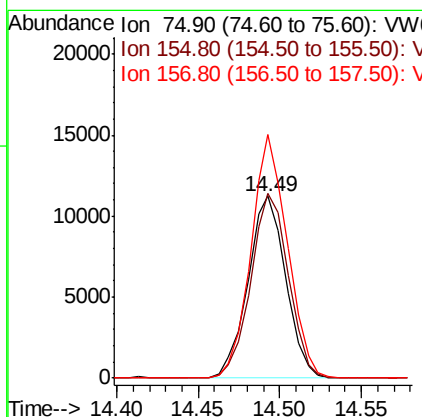
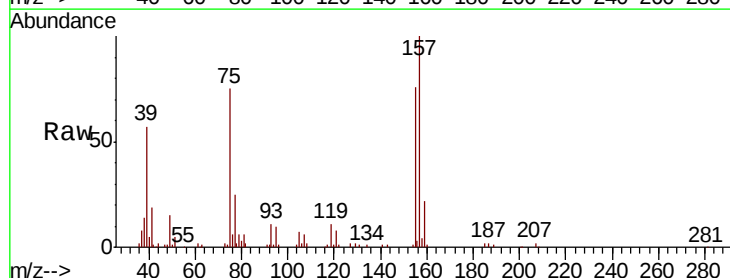
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

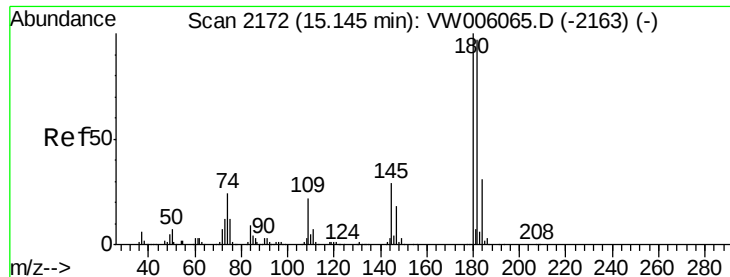
Tot Ion:146 Resp: 303004
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.7
 148 64.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.148 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion: 75 Resp: 18073
 Ion Ratio Lower Upper
 75 100
 155 100.8 46.5 139.5
 157 128.5 59.8 179.4

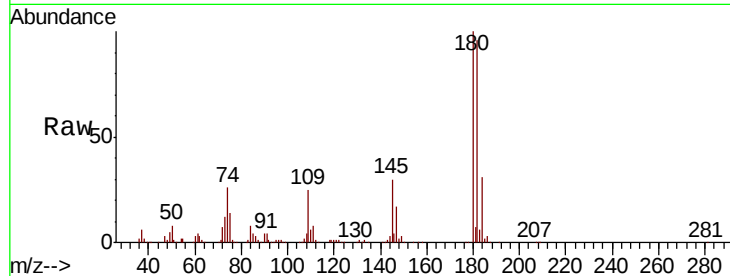




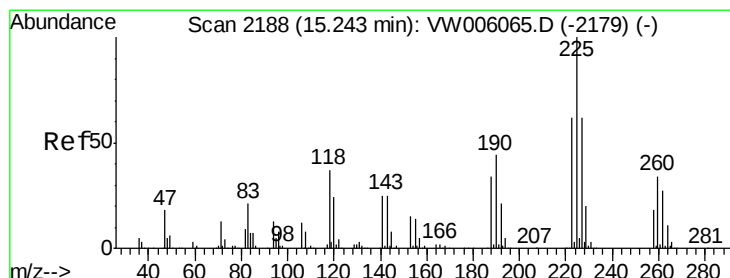
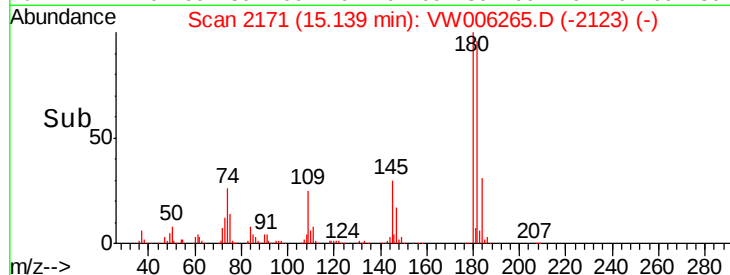
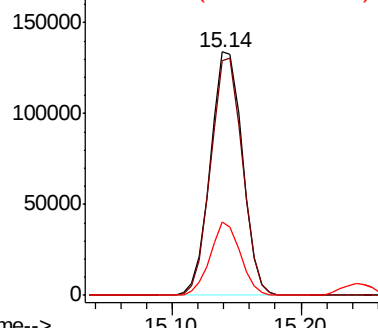
#93
 1,2,4-Trichlorobenzene
 Concen: 53.966 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	28.3	14.2	42.8

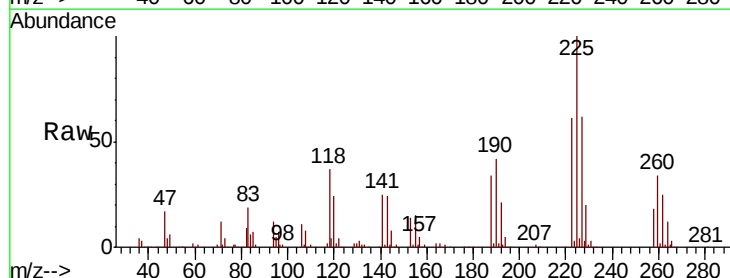


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

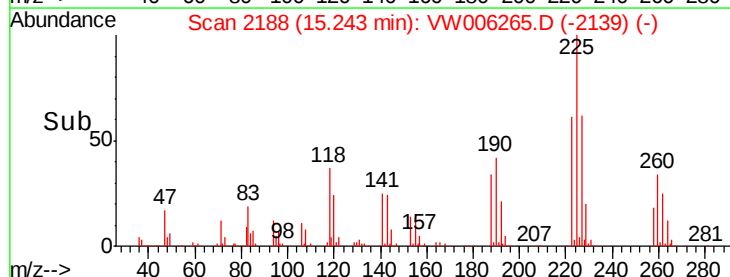
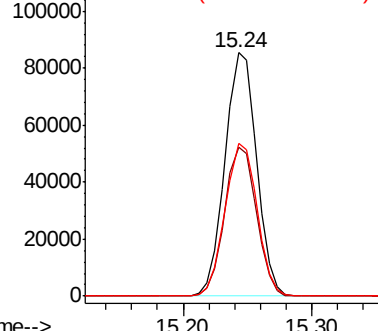


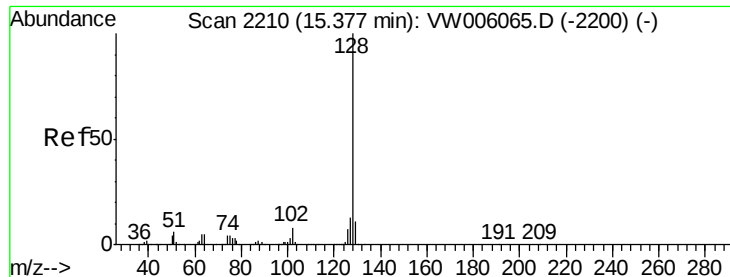
#94
 Hexachlorobutadiene
 Concen: 54.140 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.5
227	63.5	32.4	97.0



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





#95

Naphthalene

Concen: 55.984 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

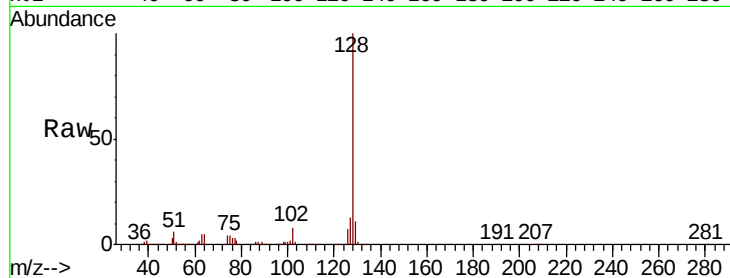
Tot Ion:128 Resp: 396548

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.0 8.7 13.1

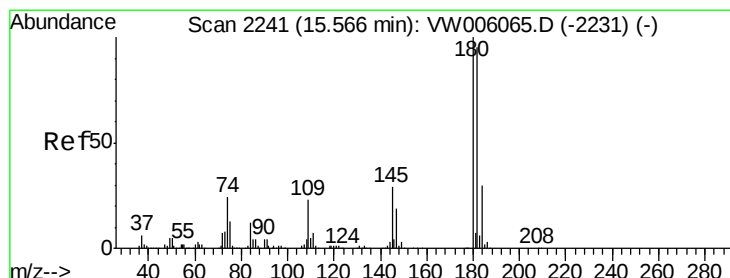
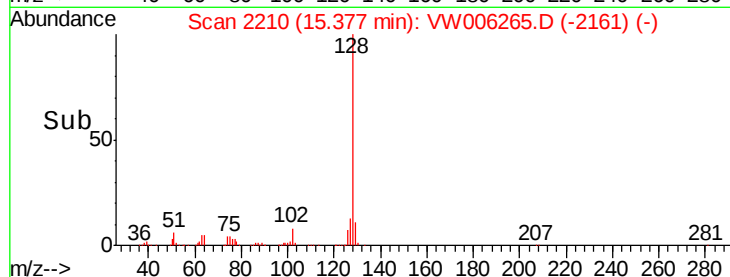
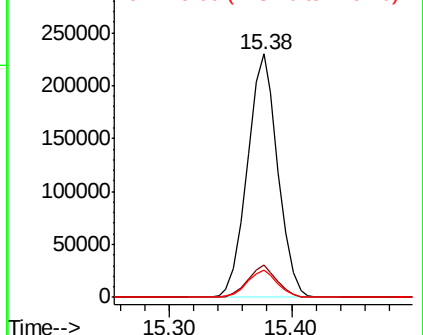


Abundance

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: 55.668 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

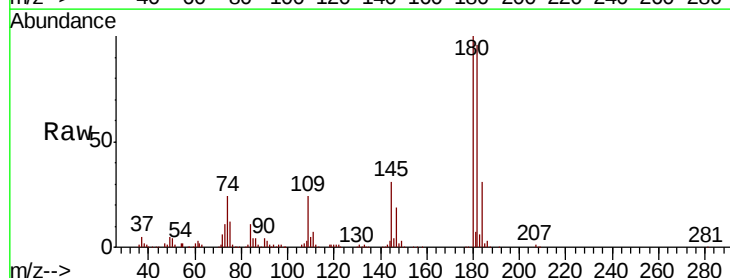
Tgt Ion:180 Resp: 205020

Ion Ratio Lower Upper

180 100

182 96.6 47.8 143.3

145 30.2 15.0 45.1



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

