

Data File : VW004833.D
Acq On : 21 Aug 2018 11:26
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 05:14:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	625650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	891661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	825222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	438730	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	272085	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	7.88	113	291534	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.33	98	1178434	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	413164	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	205329	49.545	ug/l	98
3) Chloromethane	2.22	50	253478	46.780	ug/l	98
4) Vinyl Chloride	2.37	62	426759	53.507	ug/l	98
5) Bromomethane	2.79	94	256850	52.144	ug/l	99
6) Chloroethane	2.93	64	256198	53.236	ug/l	97
7) Trichlorofluoromethane	3.26	101	227779	60.622	ug/l	98
8) Diethyl Ether	3.68	74	154766	45.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	348551	53.871	ug/l	99
10) Methyl Iodide	4.26	142	506347	51.530	ug/l	100
11) Tert butyl alcohol	5.22	59	71570	211.787	ug/l	98
12) 1,1-Dichloroethene	4.03	96	330937	51.328	ug/l	99
13) Acrolein	3.90	56	134119	295.752	ug/l	100
14) Allyl chloride	4.67	41	493252	50.412	ug/l	99
15) Acrylonitrile	5.38	53	313108	219.771	ug/l	99
16) Acetone	4.14	43	353145	228.705	ug/l	97
17) Carbon Disulfide	4.37	76	1097343	51.790	ug/l	99
18) Methyl Acetate	4.68	43	146569	44.295	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	404330	48.310	ug/l	97
20) Methylene Chloride	4.91	84	356673	50.647	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	349511	50.949	ug/l	99
22) Diisopropyl ether	6.31	45	973457	51.762	ug/l	100
23) Vinyl Acetate	6.26	43	2522076	237.094	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611005	49.996	ug/l	99
25) 2-Butanone	7.18	43	471939	214.512	ug/l	100
26) 2,2-Dichloropropane	7.17	77	373972	52.980	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	368103	49.844	ug/l	99
28) Bromochloromethane	7.51	49	243114	47.239	ug/l	100
29) Tetrahydrofuran	7.54	42	240150	214.064	ug/l	99
30) Chloroform	7.68	83	596211	49.604	ug/l	100
31) Cyclohexane	7.96	56	614894	52.017	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	504132	52.912	ug/l	99
36) 1,1-Dichloropropene	8.09	75	499039	54.328	ug/l	100
37) Ethyl Acetate	7.26	43	165187	45.112	ug/l	98
38) Carbon Tetrachloride	8.07	117	472355	55.864	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	663984	57.801	ug/l	100
40) Benzene	8.33	78	1413510	52.950	ug/l	100
41) Methacrylonitrile	7.49	41	96096	46.243	ug/l	96
42) 1,2-Dichloroethane	8.40	62	340400	49.726	ug/l	100
43) Isopropyl Acetate	8.43	43	304286	46.264	ug/l	99
44) Trichloroethene	9.10	130	357167	52.707	ug/l	98
45) 1,2-Dichloropropane	9.37	63	340423	52.133	ug/l	99
46) Dibromomethane	9.46	93	156565	48.397	ug/l	99
47) Bromodichloromethane	9.65	83	398749	51.612	ug/l	97
48) Methyl methacrylate	9.44	41	156323	50.652	ug/l	95
49) 1,4-Dioxane	9.48	88	51146	1082.150	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1028057	231.275	ug/l	100
52) Toluene	10.39	92	868943	54.274	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	393420	50.542	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	485725	52.343	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	228448	49.679	ug/l	98
56) Ethyl methacrylate	10.65	69	267715	44.887	ug/l	99
57) 1,3-Dichloropropane	10.94	76	391932	49.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	655900	258.274	ug/l	99
59) 2-Hexanone	10.98	43	728261	241.794	ug/l	99
60) Dibromochloromethane	11.13	129	262577	50.895	ug/l	100
61) 1,2-Dibromoethane	11.24	107	211912	48.210	ug/l	99
64) Tetrachloroethene	10.87	164	303767	53.862	ug/l	98
65) Chlorobenzene	11.66	112	935473	52.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	315204	52.559	ug/l	98
67) Ethyl Benzene	11.74	91	1690125	56.131	ug/l	99
68) m/p-Xylenes	11.85	106	1319569	112.643	ug/l	99
69) o-Xylene	12.17	106	611559	56.392	ug/l	98
70) Styrene	12.19	104	1019893	55.986	ug/l	100
71) Bromoform	12.35	173	151638	47.905	ug/l #	99
73) Isopropylbenzene	12.47	105	1727839	57.889	ug/l	100
74) N-amyl acetate	12.28	43	293318	42.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	262263	47.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	342144	88.466	ug/l #	100
77) Bromobenzene	12.76	156	379057	52.468	ug/l	98
78) n-propylbenzene	12.81	91	2113854	58.038	ug/l	100
79) 2-Chlorotoluene	12.90	91	1167466	55.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1463399	57.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	79891	48.012	ug/l	98
82) 4-Chlorotoluene	12.99	91	1196914	53.659	ug/l	99
83) tert-Butylbenzene	13.21	119	1250843	57.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1478728	56.682	ug/l	99
85) sec-Butylbenzene	13.39	105	1865695	57.616	ug/l	100
86) p-Isopropyltoluene	13.51	119	1643863	58.344	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	788496	53.657	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	773757	52.675	ug/l	100
89) n-Butylbenzene	13.83	91	1567717	57.549	ug/l	100
90) Hexachloroethane	14.10	117	278522	54.233	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	687319	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40192	46.511	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082118\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	497869	53.331	ug/l	99
94) Hexachlorobutadiene	15.24	225	322208	56.231	ug/l	99
95) Naphthalene	15.38	128	805208	44.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	428565	51.768	ug/l	98

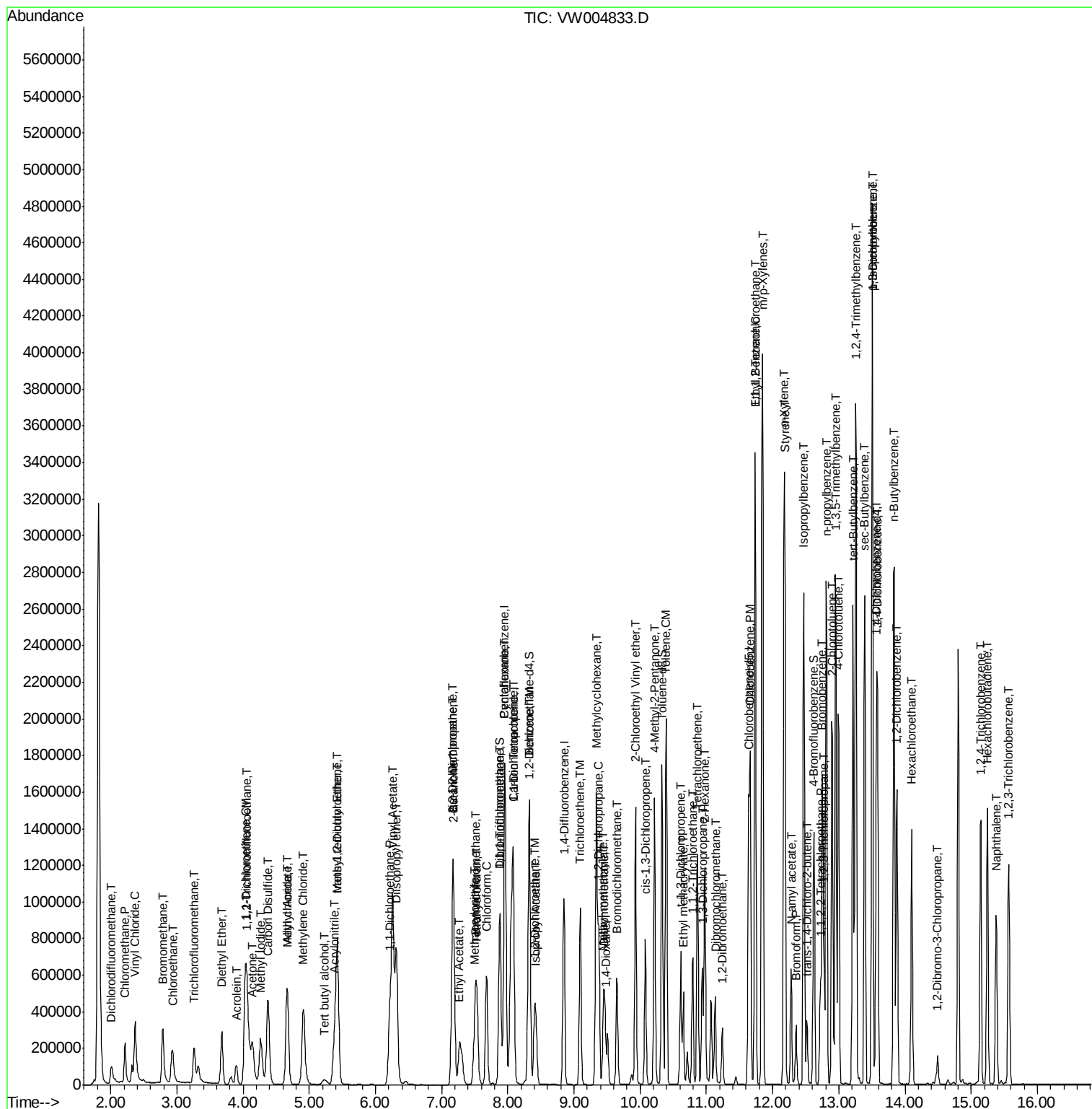
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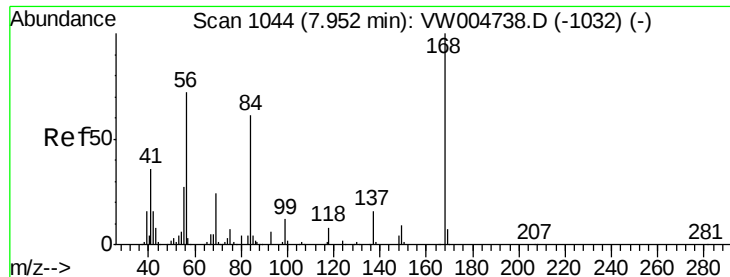
Data File : VW004833.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

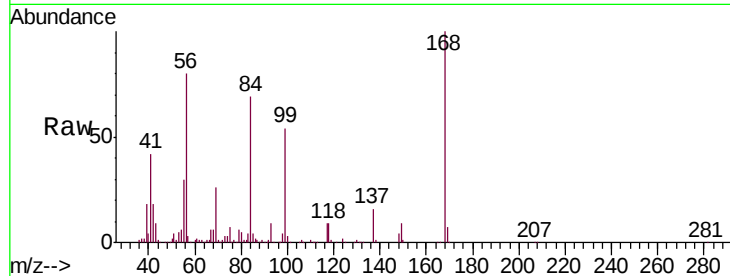
VSTDCCC050

Tgt Ion:168 Resp: 625650

Ion Ratio Lower Upper

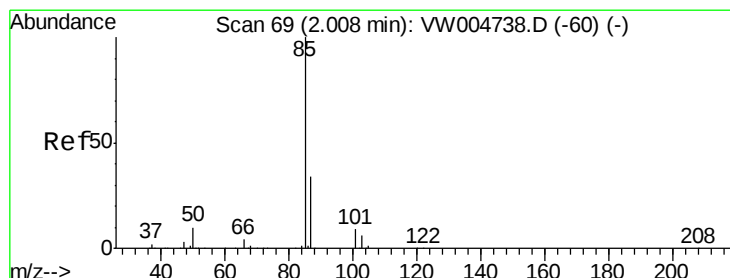
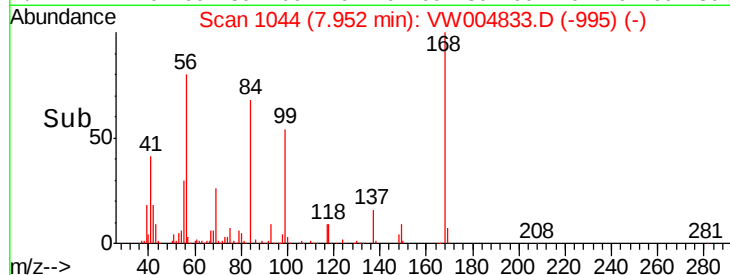
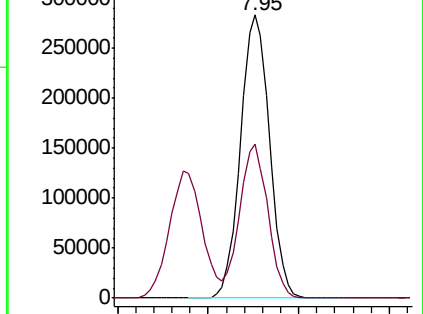
168 100

99 54.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 49.545 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004833.D

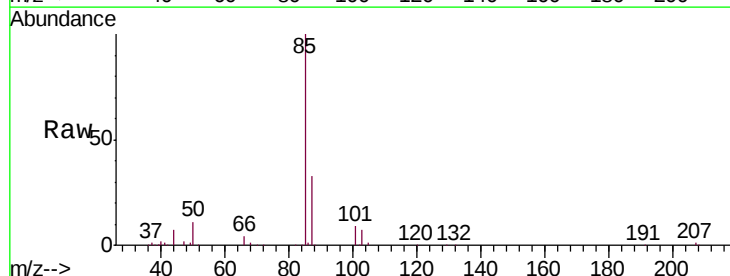
Acq: 21 Aug 2018 11:26

Tgt Ion: 85 Resp: 205329

Ion Ratio Lower Upper

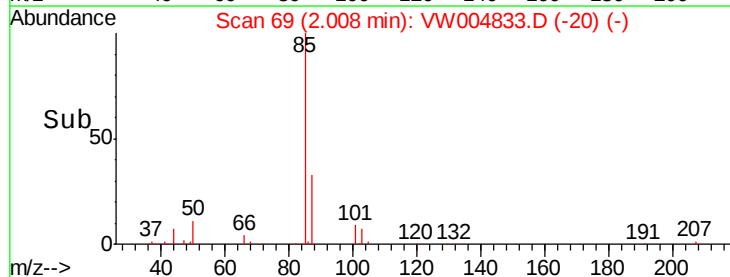
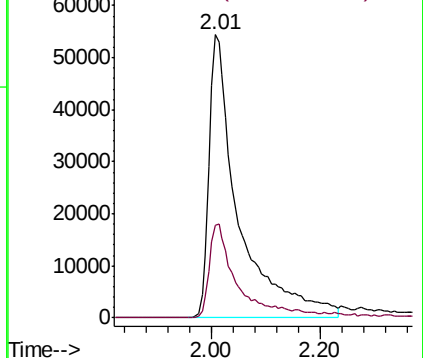
85 100

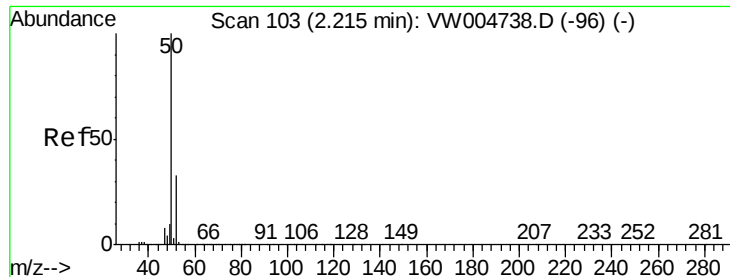
87 32.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.780 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

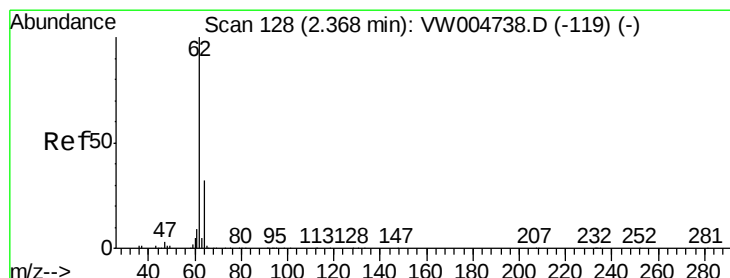
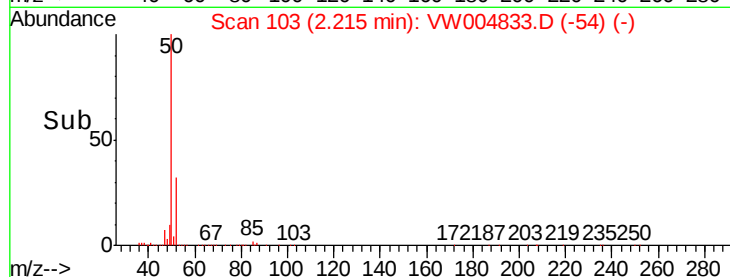
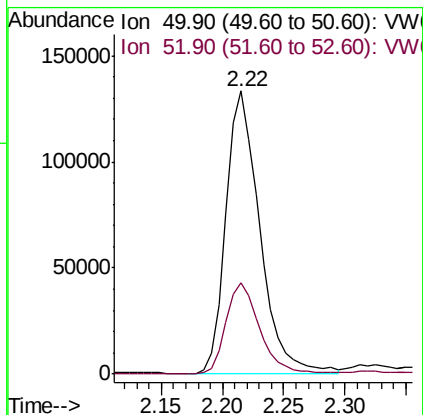
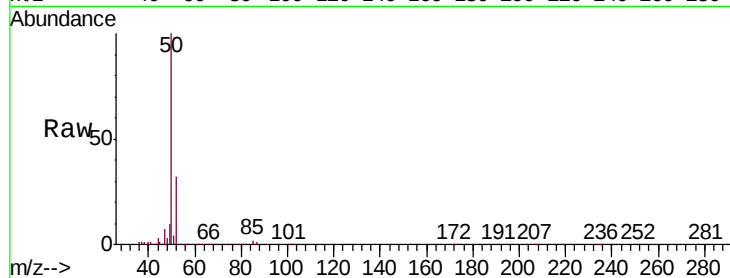
VSTDCCC050

Tgt Ion: 50 Resp: 253478

Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



#4

Vinyl Chloride

Concen: 53.507 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004833.D

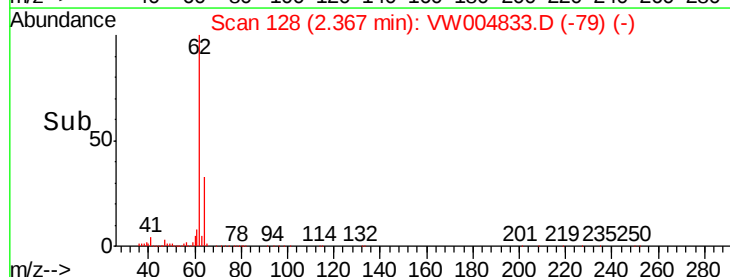
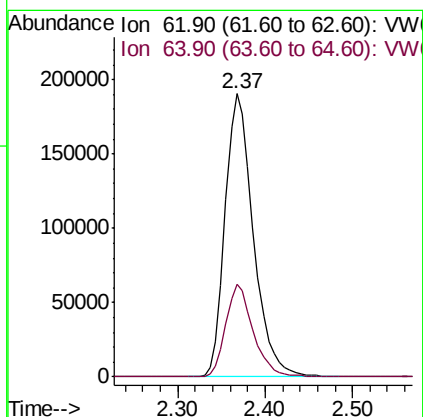
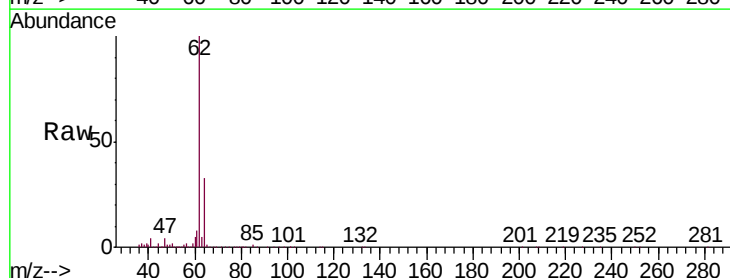
Acq: 21 Aug 2018 11:26

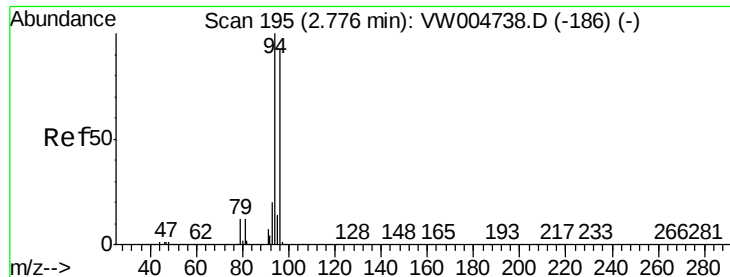
Tgt Ion: 62 Resp: 426759

Ion Ratio Lower Upper

62 100

64 32.7 25.2 37.8





#5

Bromomethane

Concen: 52.144 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

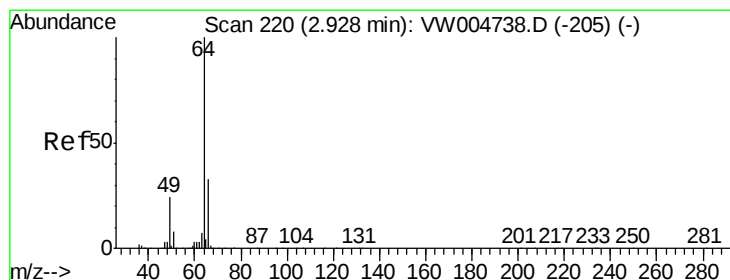
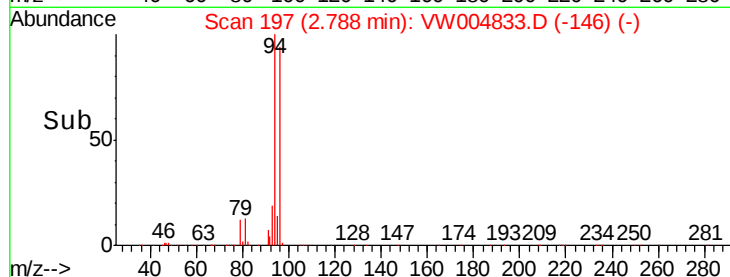
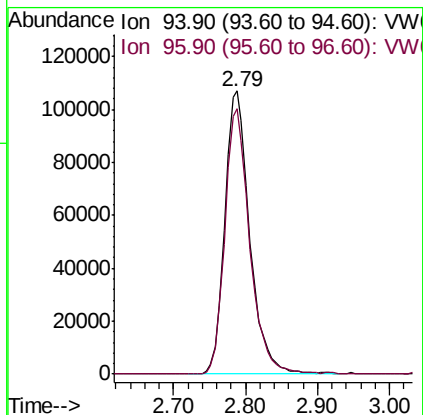
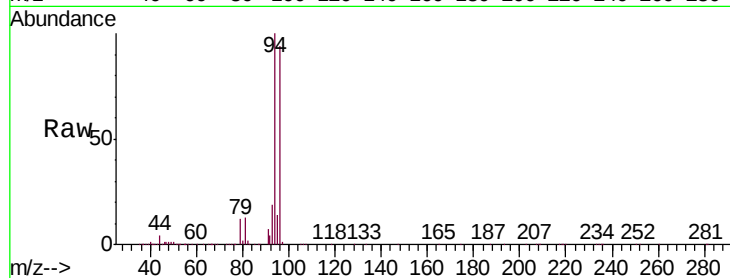
VSTDCCC050

Tgt Ion: 94 Resp: 256850

Ion Ratio Lower Upper

94 100

96 93.7 74.3 111.5



#6

Chloroethane

Concen: 53.236 ug/l

RT: 2.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW004833.D

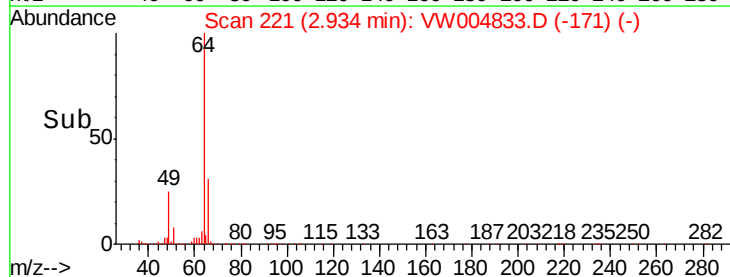
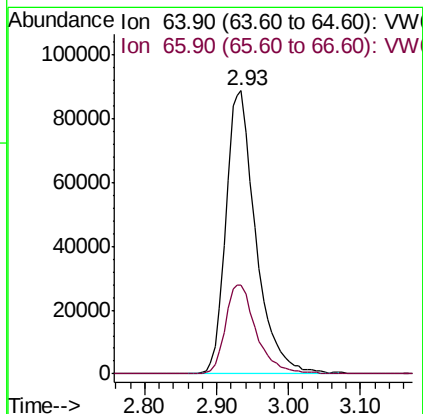
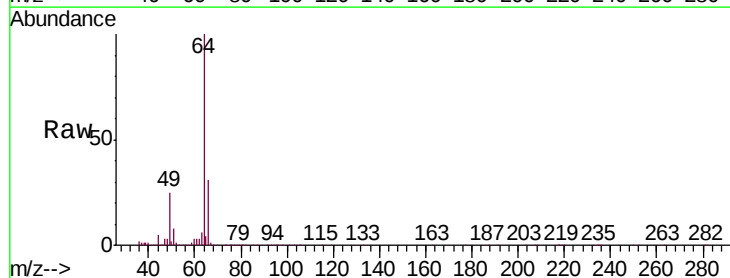
Acq: 21 Aug 2018 11:26

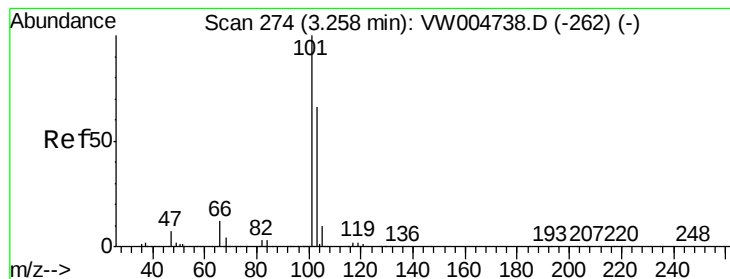
Tgt Ion: 64 Resp: 256198

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1



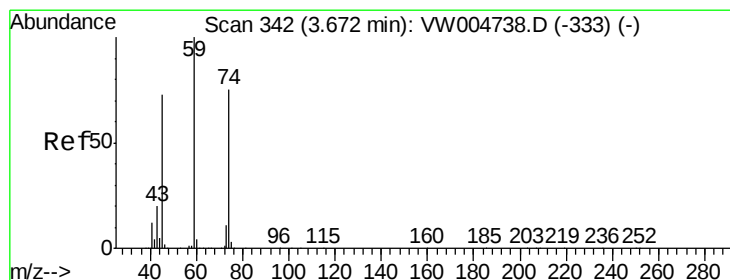
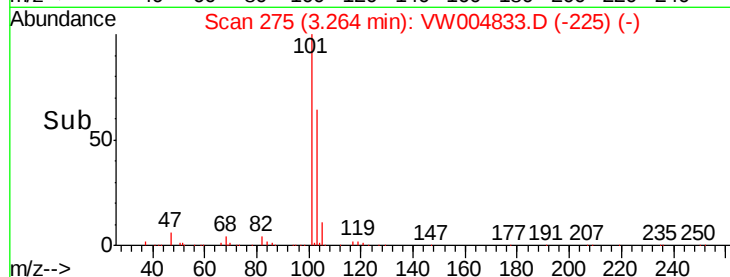
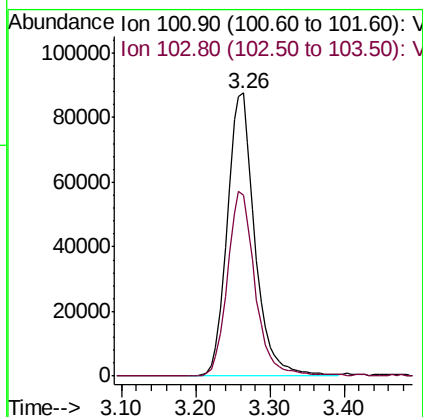
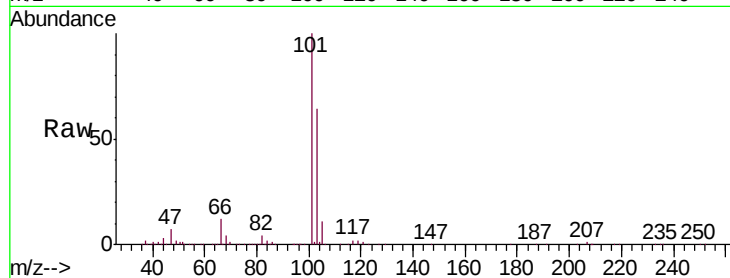


#7

Trichlorofluoromethane
 Concen: 60.622 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VW004833.D
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 VSTDCCC050

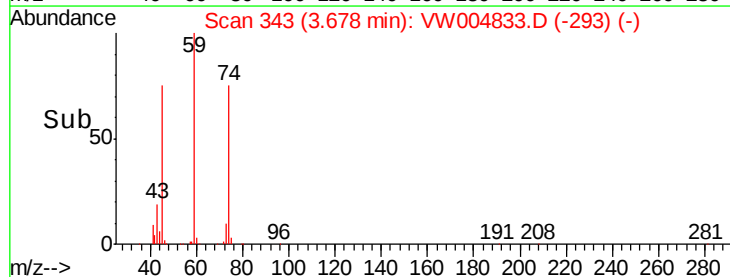
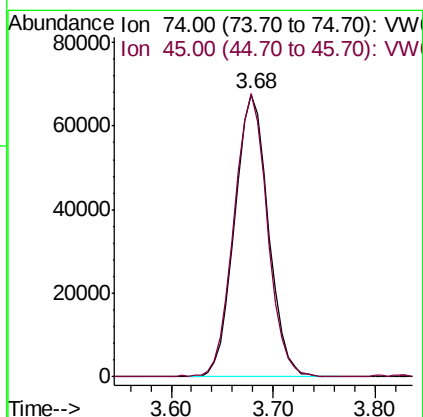
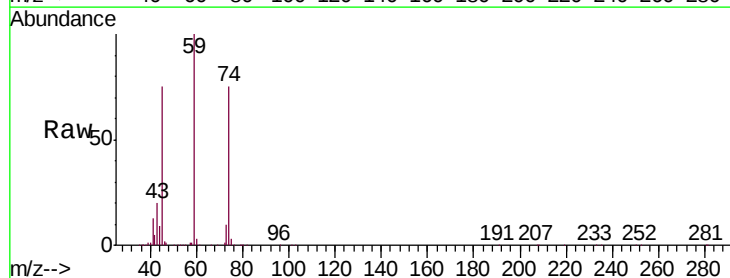
Tgt Ion:101 Resp: 227779
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.5 78.7

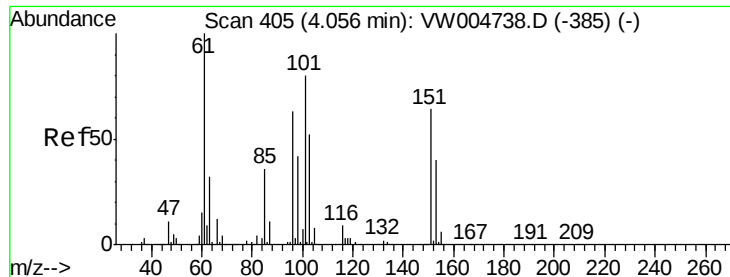


#8

Diethyl Ether
 Concen: 45.557 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 74 Resp: 154766
 Ion Ratio Lower Upper
 74 100
 45 98.4 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.871 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

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VSTDCCC050

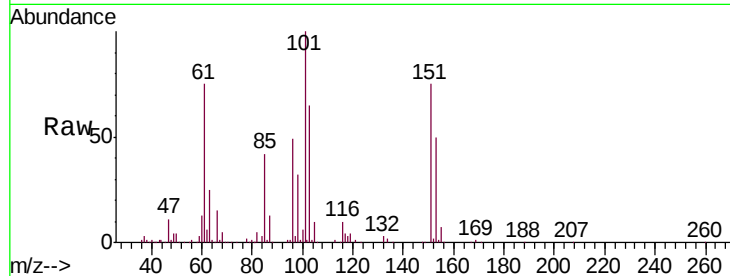
Tgt Ion:101 Resp: 348551

Ion Ratio Lower Upper

101 100

85 42.9 33.9 50.9

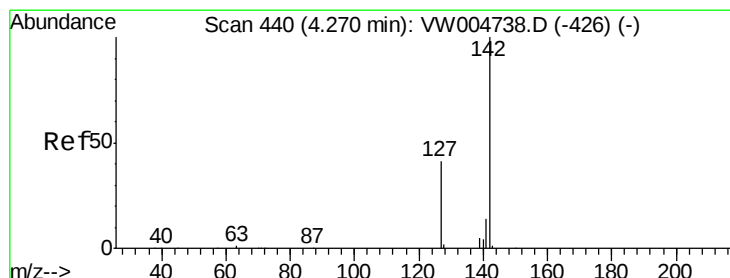
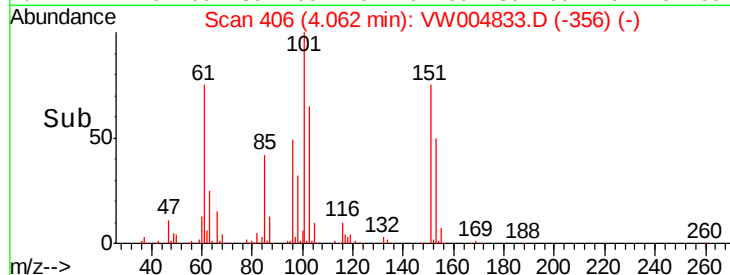
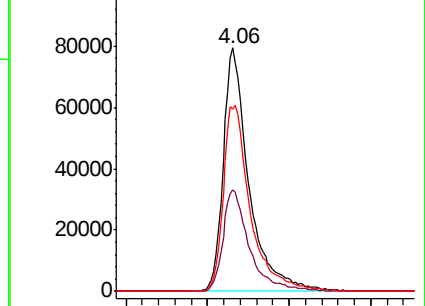
151 79.7 63.4 95.2



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: 51.530 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

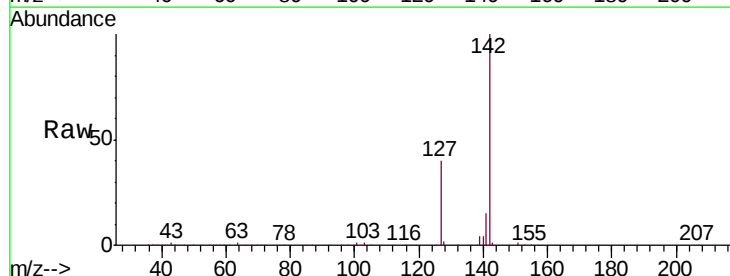
Tgt Ion:142 Resp: 506347

Ion Ratio Lower Upper

142 100

127 40.1 32.1 48.1

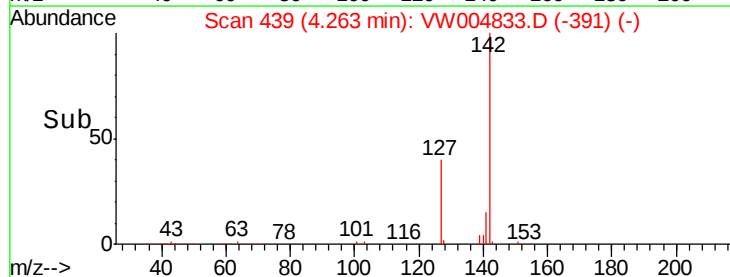
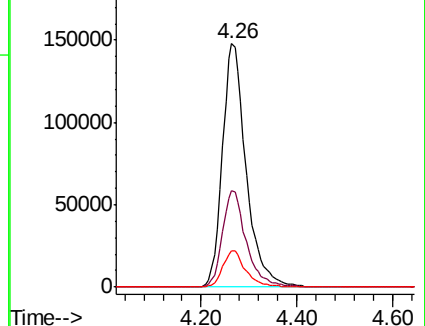
141 14.4 11.7 17.5

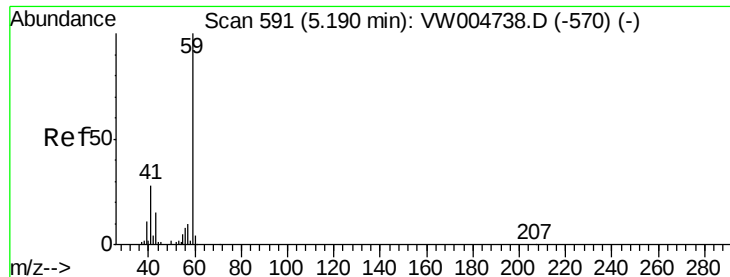


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



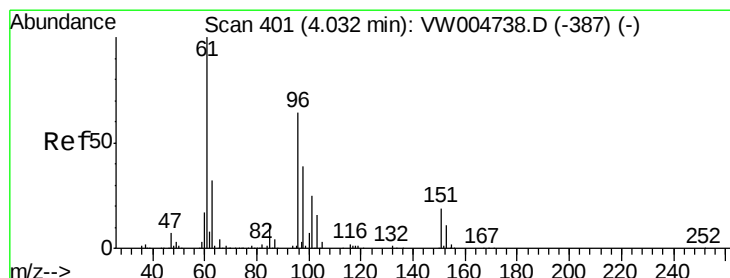
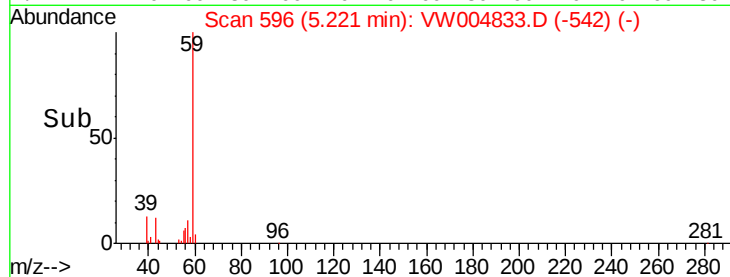
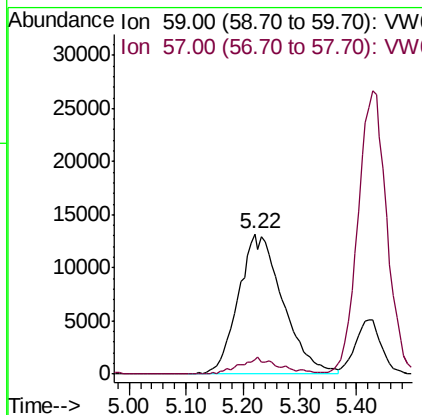
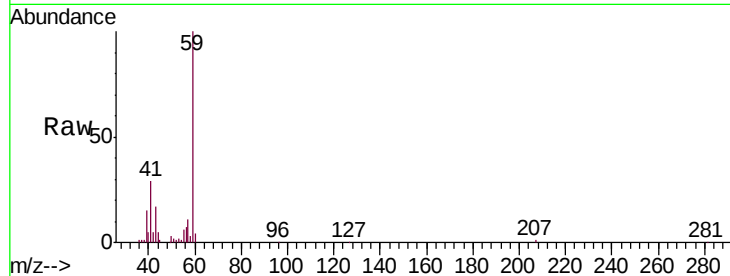


#11

Tert butyl alcohol
 Concen: 211.787 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

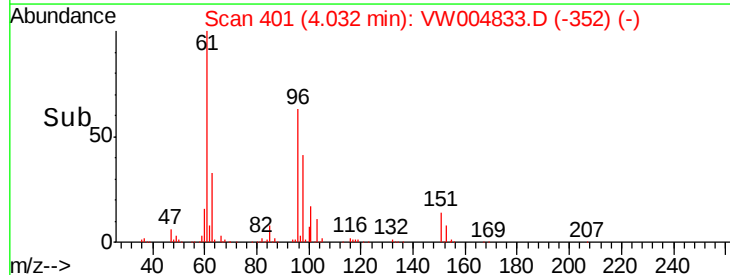
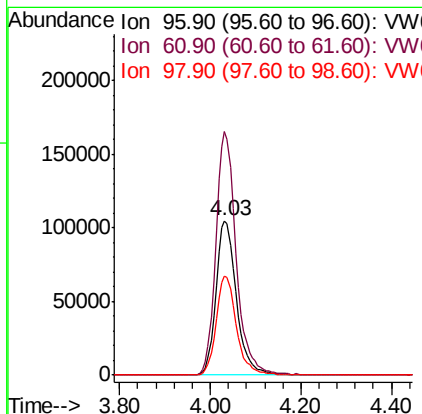
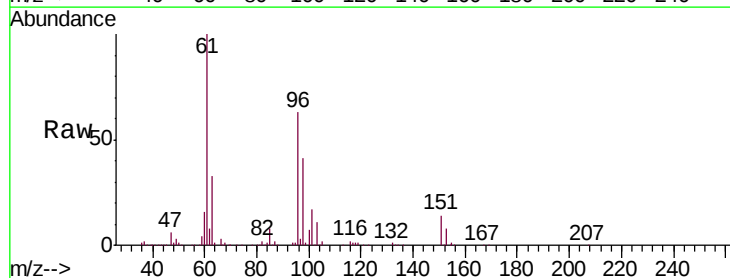
Tgt Ion: 59 Resp: 71570
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.4 12.6

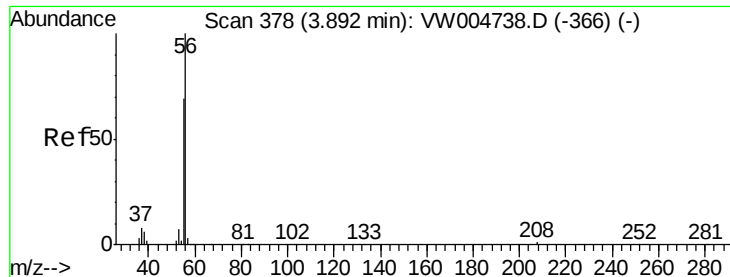


#12

1,1-Dichloroethene
 Concen: 51.328 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 96 Resp: 330937
 Ion Ratio Lower Upper
 96 100
 61 157.6 125.6 188.4
 98 63.9 49.4 74.0





#13

Acrolein

Concen: 295.752 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

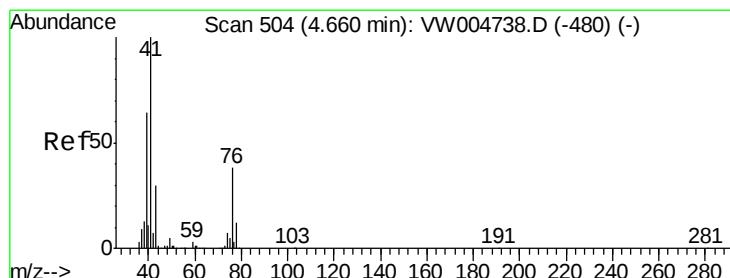
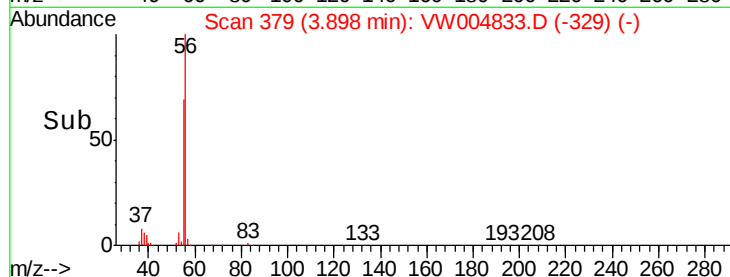
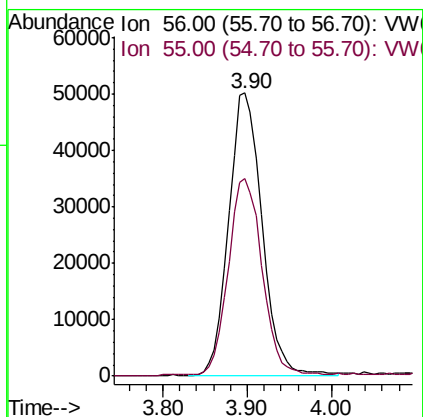
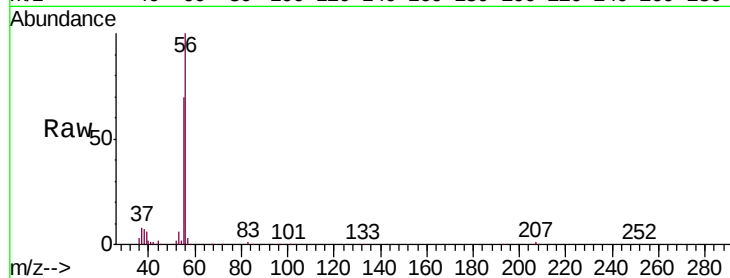
VSTDCCC050

Tgt Ion: 56 Resp: 134119

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



#14

Allyl chloride

Concen: 50.412 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

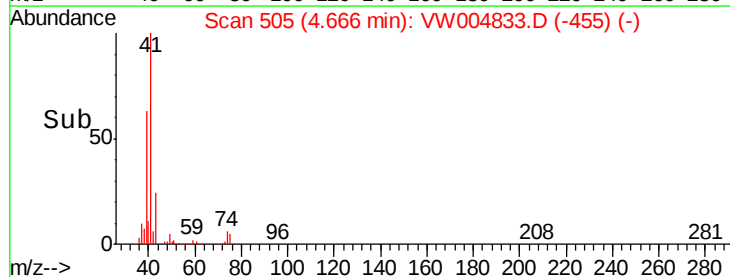
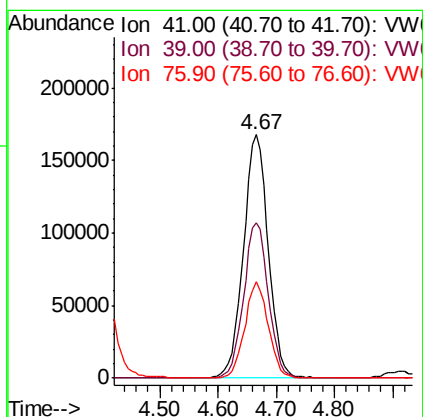
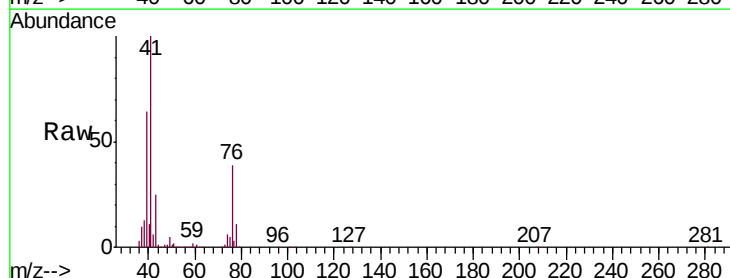
Tgt Ion: 41 Resp: 493252

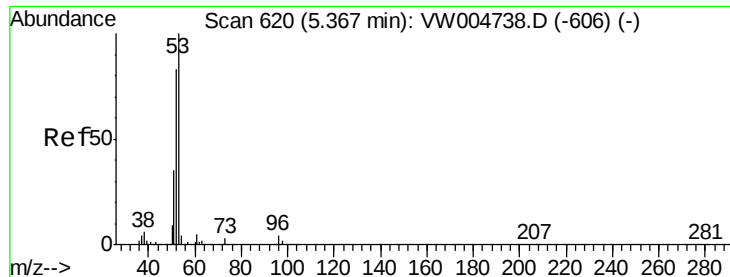
Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 37.1 29.8 44.6





#15

Acrylonitrile

Concen: 219.771 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

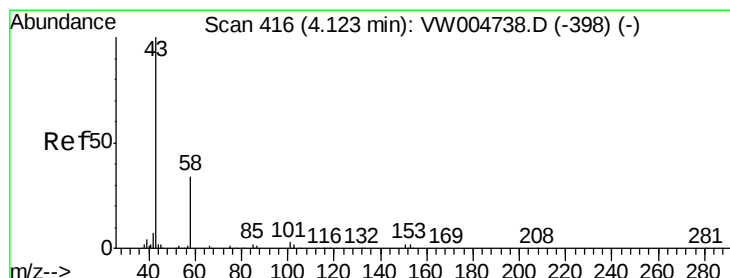
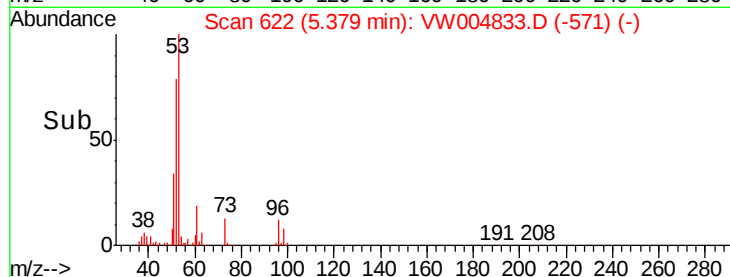
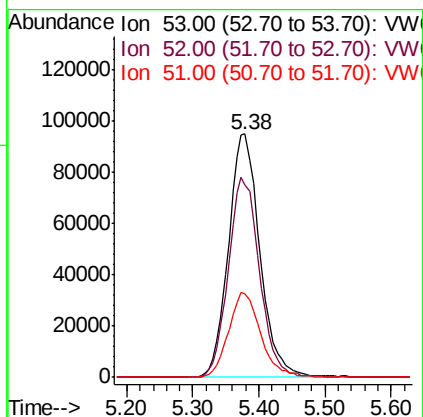
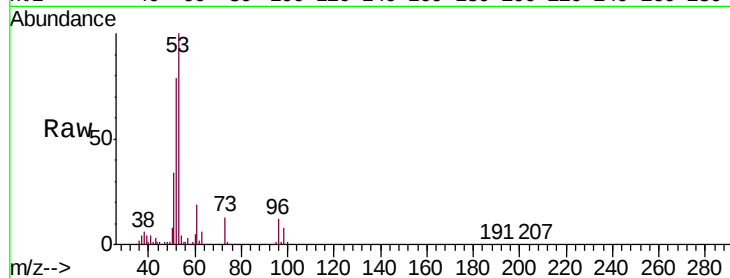
Tgt Ion: 53 Resp: 313108

Ion Ratio Lower Upper

53 100

52 81.6 65.8 98.6

51 35.6 28.7 43.1



#16

Acetone

Concen: 228.705 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004833.D

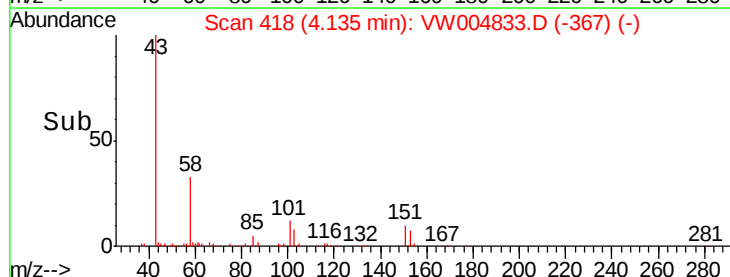
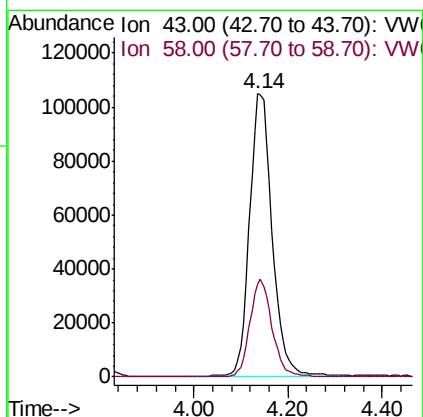
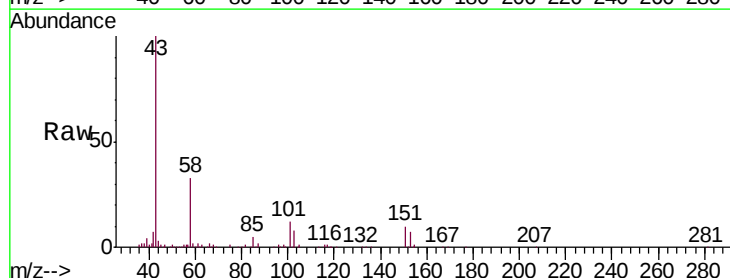
Acq: 21 Aug 2018 11:26

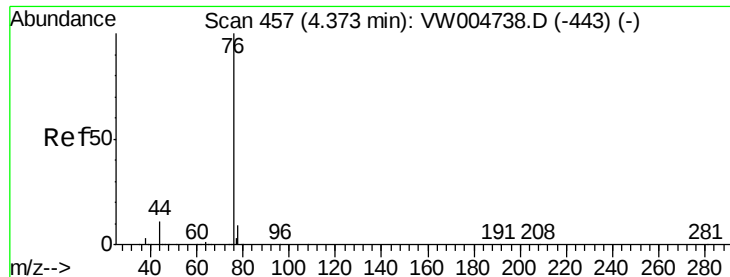
Tgt Ion: 43 Resp: 353145

Ion Ratio Lower Upper

43 100

58 32.6 27.3 40.9





#17

Carbon Disulfide

Concen: 51.790 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

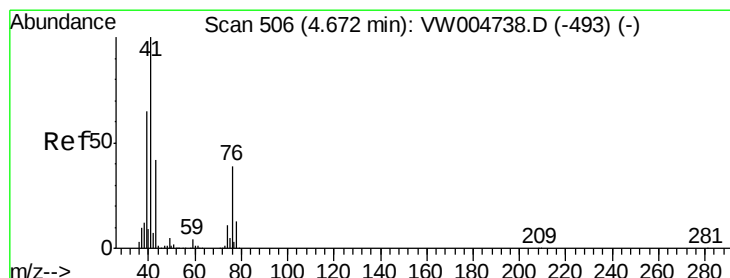
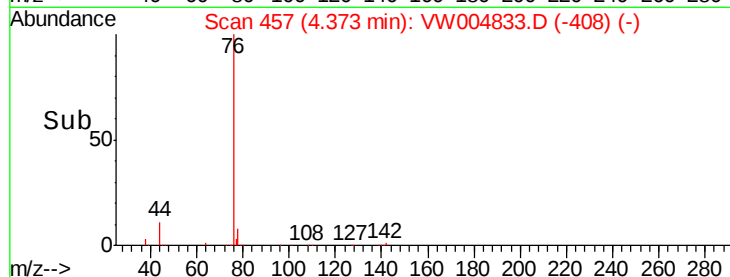
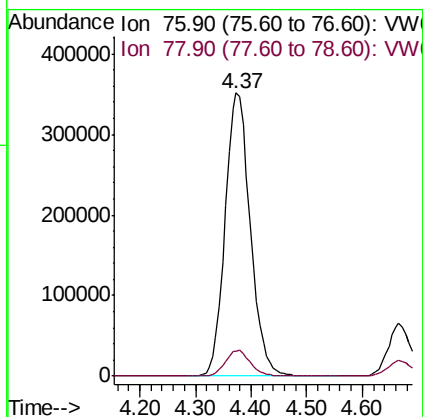
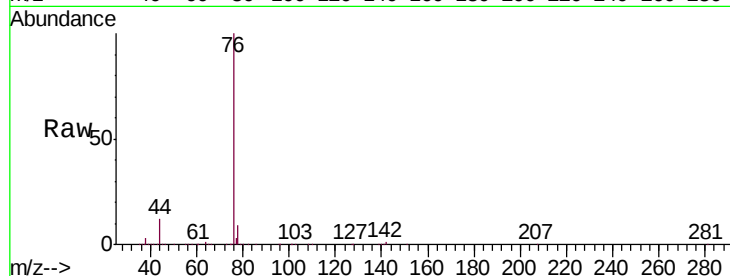
VSTDCCC050

Tgt Ion: 76 Resp: 1097343

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 44.295 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004833.D

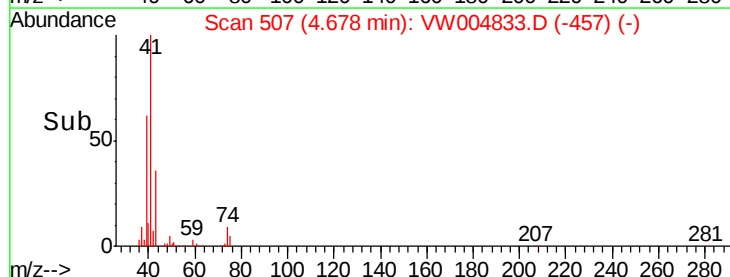
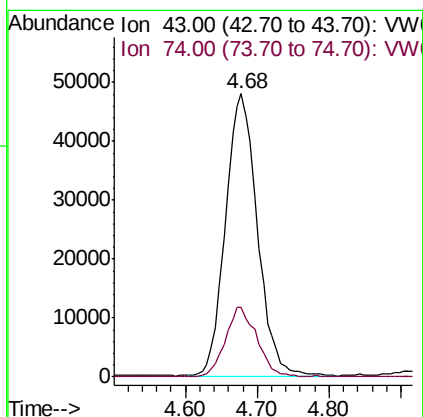
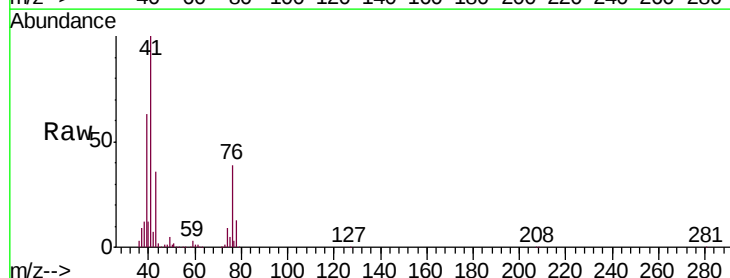
Acq: 21 Aug 2018 11:26

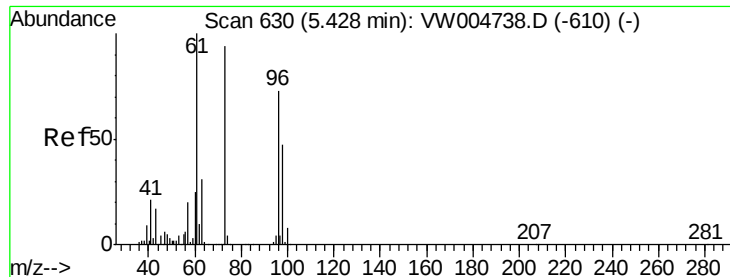
Tgt Ion: 43 Resp: 146569

Ion Ratio Lower Upper

43 100

74 24.5 19.8 29.8



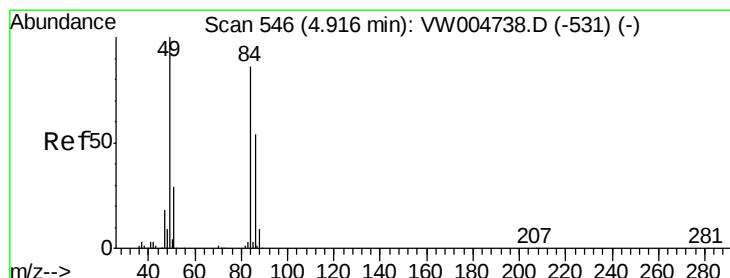
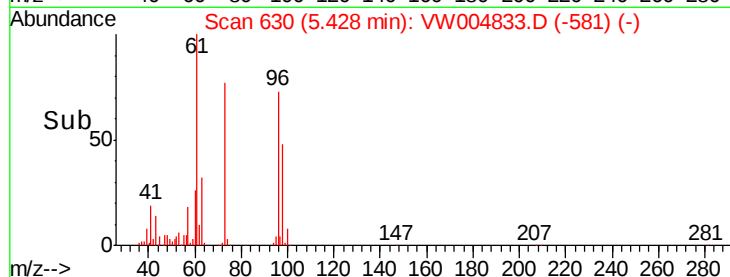
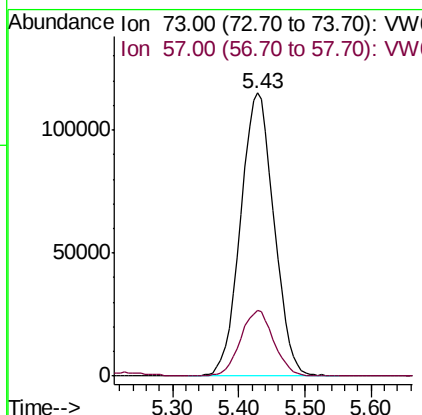
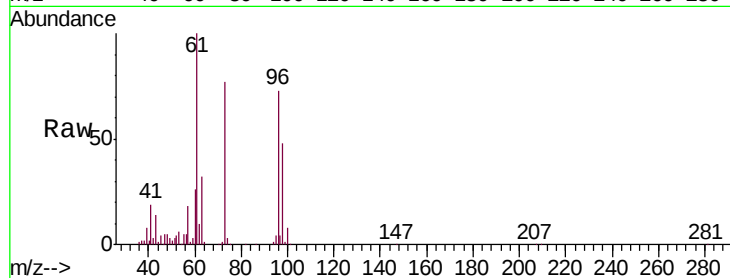


#19

Methyl tert-butyl Ether
 Concen: 48.310 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

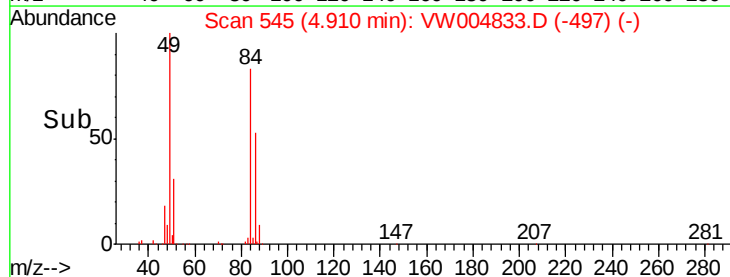
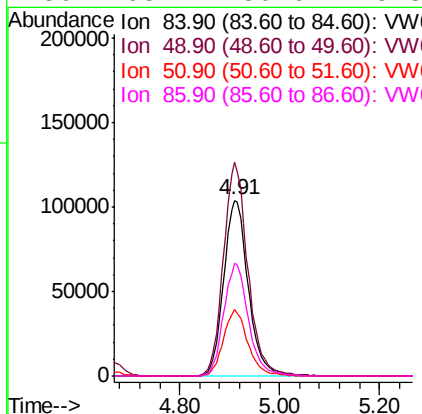
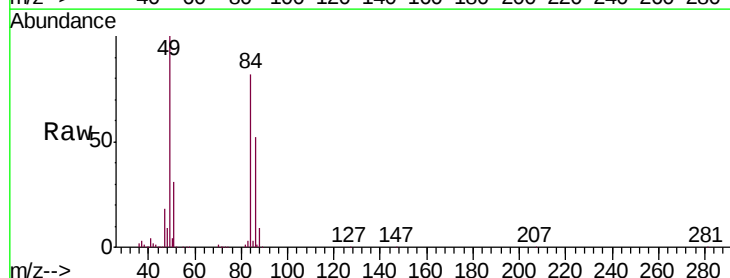
Tgt Ion: 73 Resp: 404330
 Ion Ratio Lower Upper
 73 100
 57 23.1 17.3 25.9

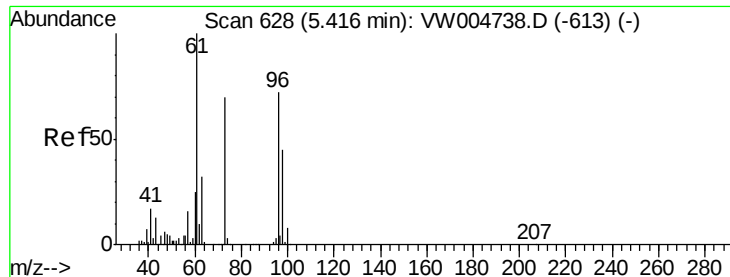


#20

Methylene Chloride
 Concen: 50.647 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 84 Resp: 356673
 Ion Ratio Lower Upper
 84 100
 49 121.4 93.2 139.8
 51 38.0 27.4 41.0
 86 63.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.949 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

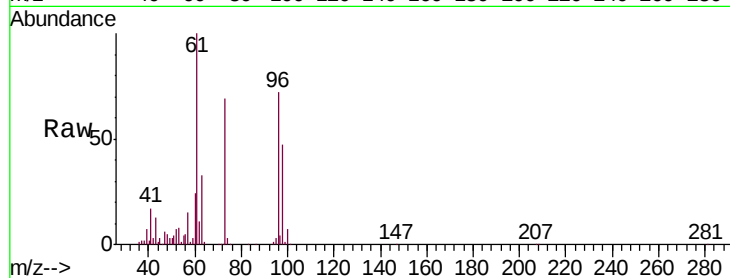
Tgt Ion: 96 Resp: 349511

Ion Ratio Lower Upper

96 100

61 139.7 111.4 167.0

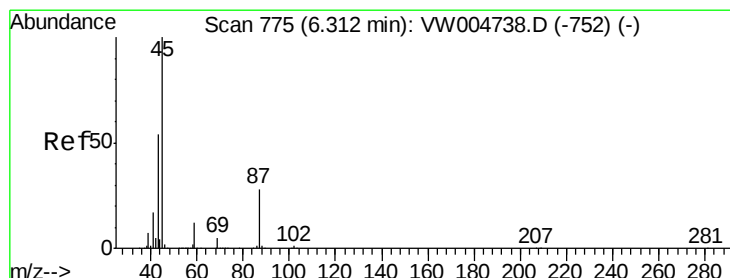
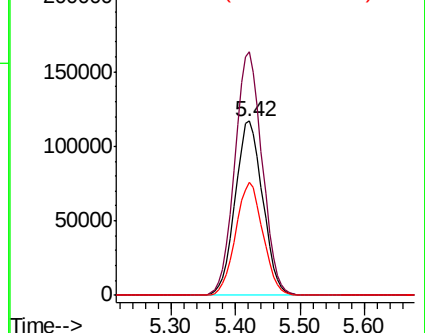
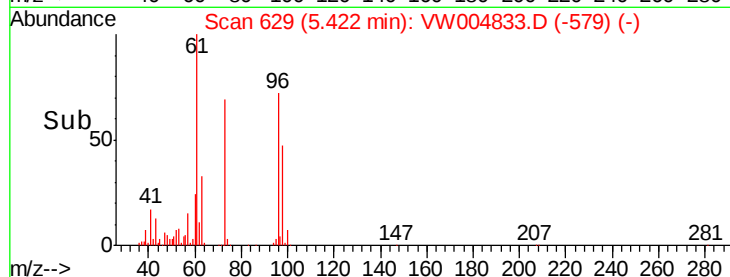
98 65.1 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.762 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion: 45 Resp: 973457

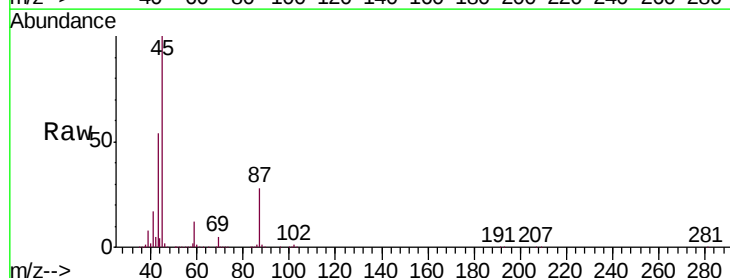
Ion Ratio Lower Upper

45 100

43 53.6 43.0 64.6

87 27.5 22.2 33.4

59 11.8 9.8 14.6

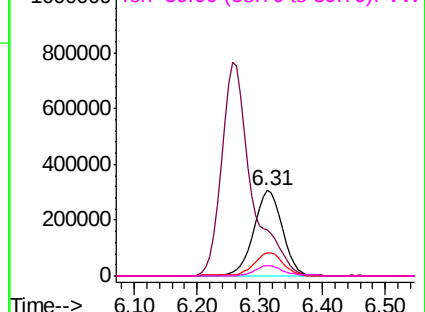
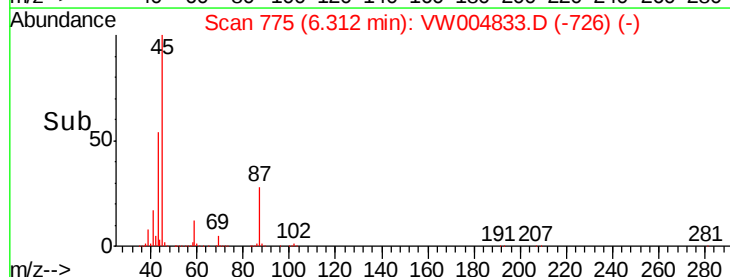


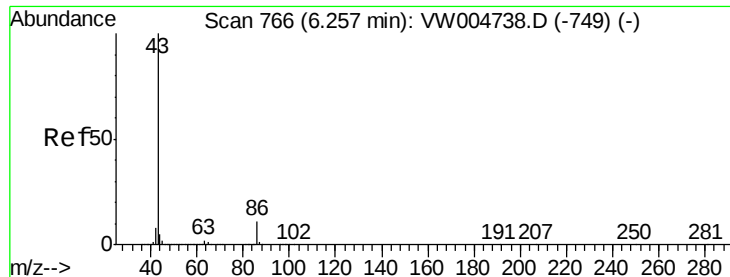
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 237.094 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

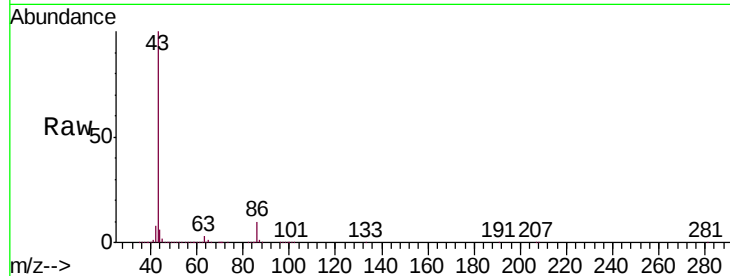
VSTDCCC050

Tgt Ion: 43 Resp: 2522076

Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

800000

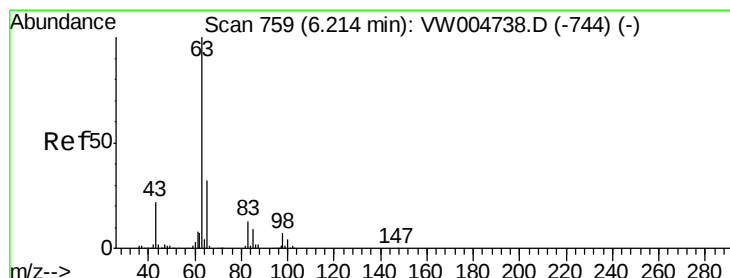
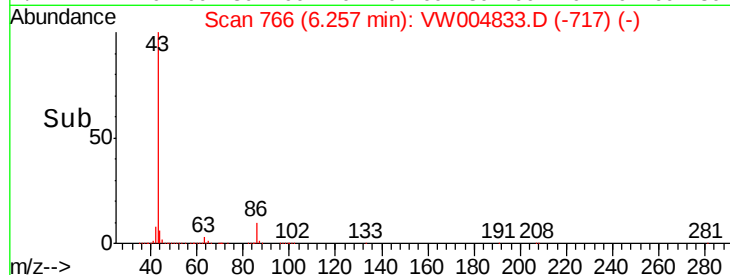
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.996 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

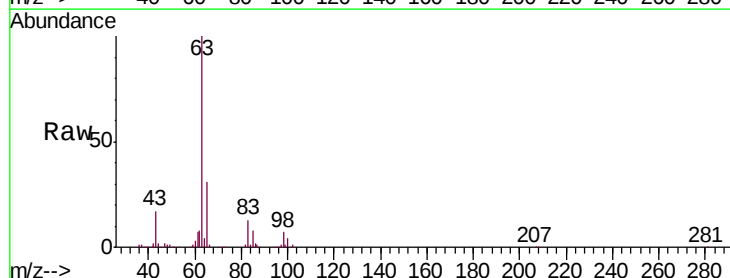
Tgt Ion: 63 Resp: 611005

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.4 2.1 6.3



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

250000

200000

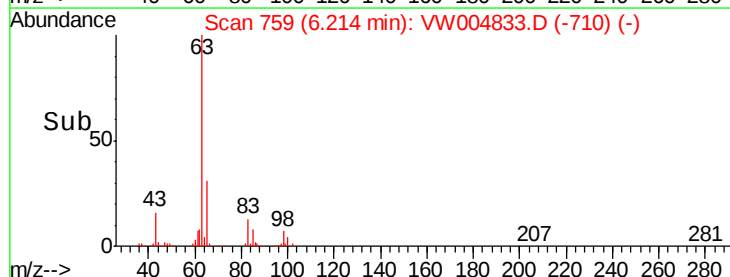
150000

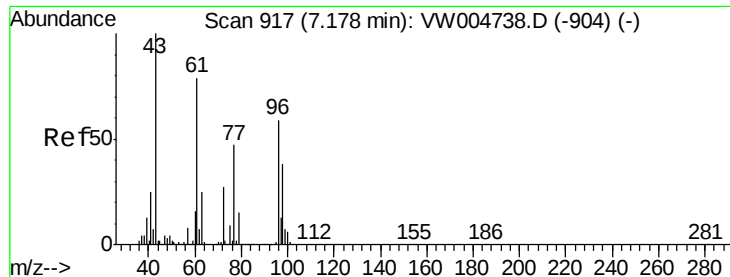
100000

50000

0

Time-->





#25

2-Butanone

Concen: 214.512 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

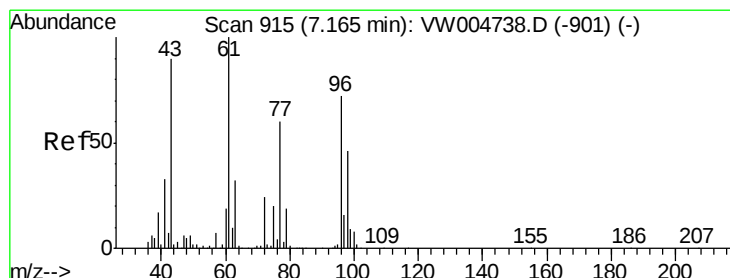
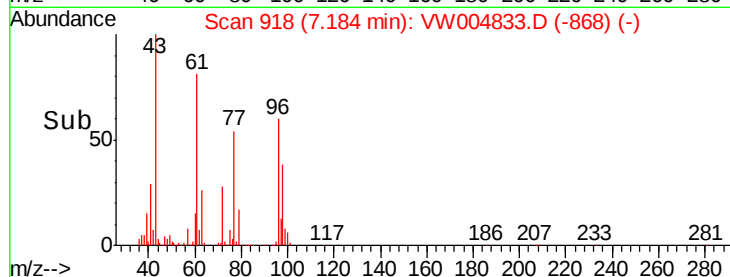
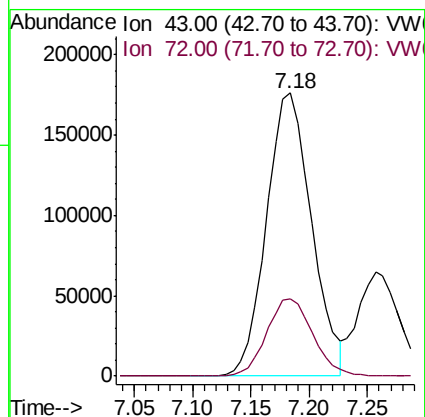
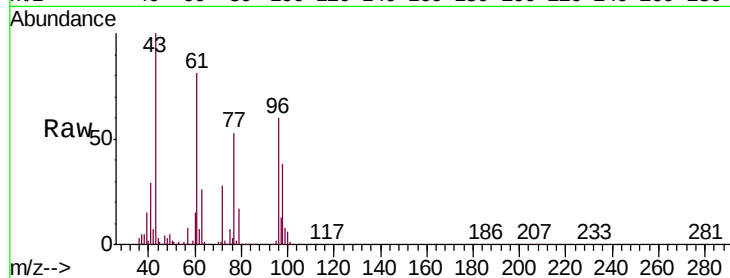
VSTDCCC050

Tgt Ion: 43 Resp: 471939

Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 52.980 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004833.D

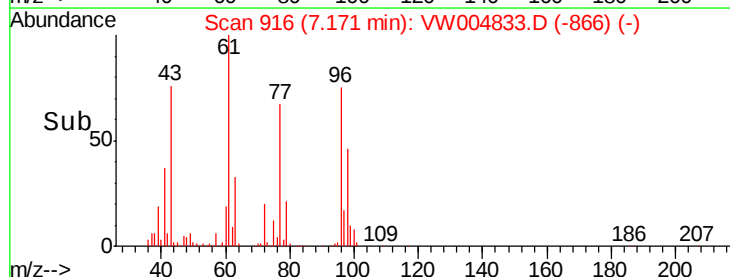
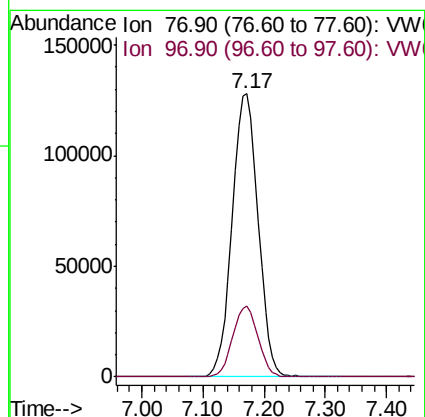
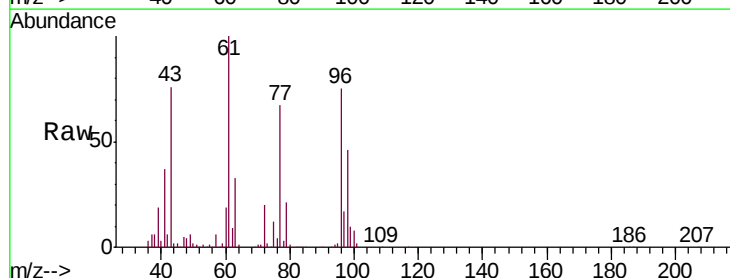
Acq: 21 Aug 2018 11:26

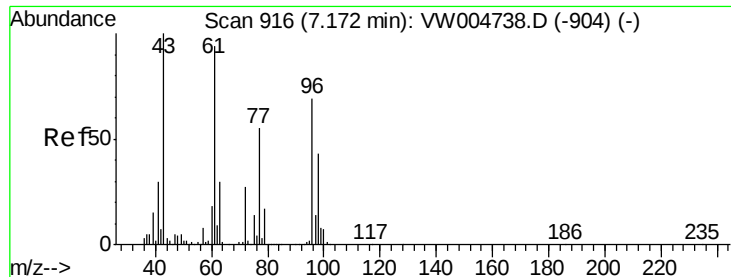
Tgt Ion: 77 Resp: 373972

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.8



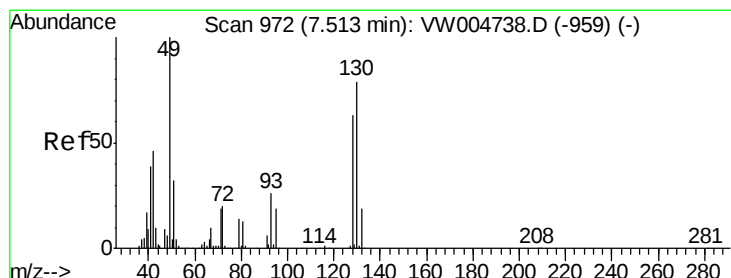
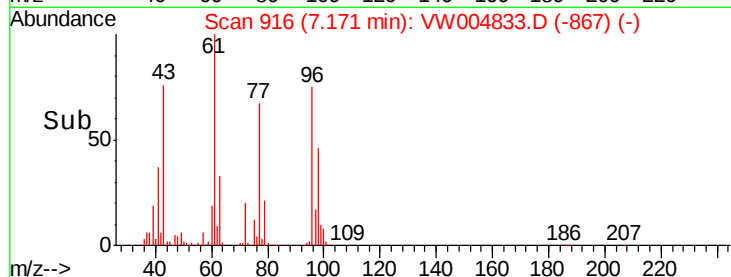
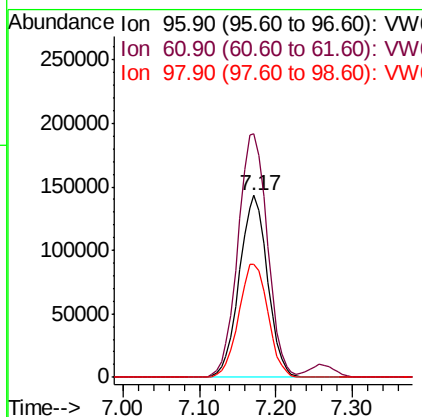
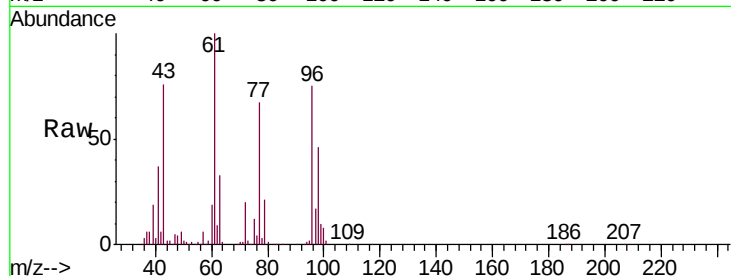


#27

cis-1,2-Dichloroethene
Concen: 49.844 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

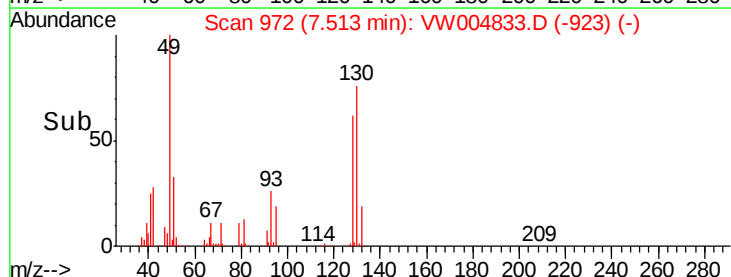
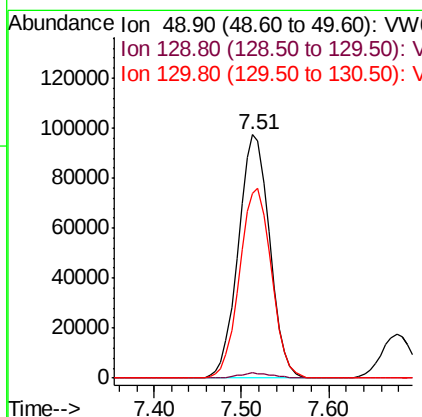
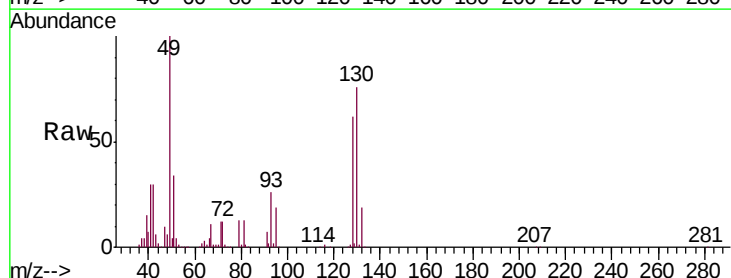
Tgt Ion: 96 Resp: 368103
Ion Ratio Lower Upper
96 100
61 139.7 0.0 277.6
98 64.5 0.0 127.4

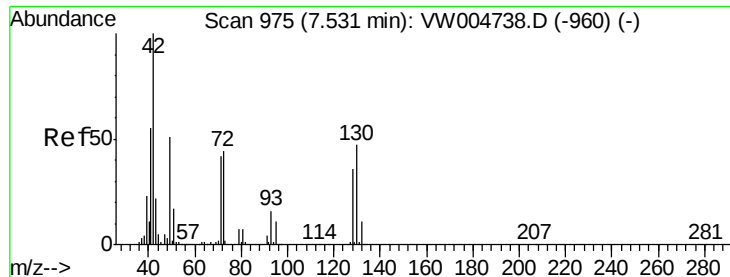


#28

Bromochloromethane
Concen: 47.239 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 49 Resp: 243114
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.4
130 79.3 63.7 95.5





#29

Tetrahydrofuran

Concen: 214.064 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

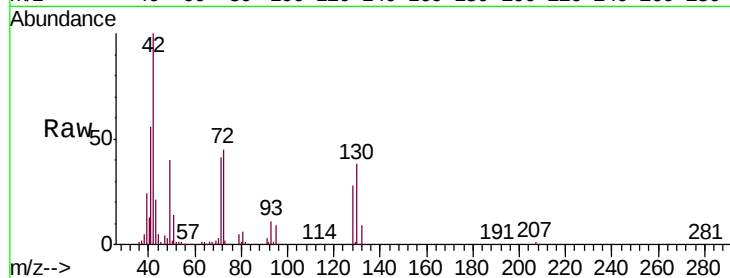
Tgt Ion: 42 Resp: 240150

Ion Ratio Lower Upper

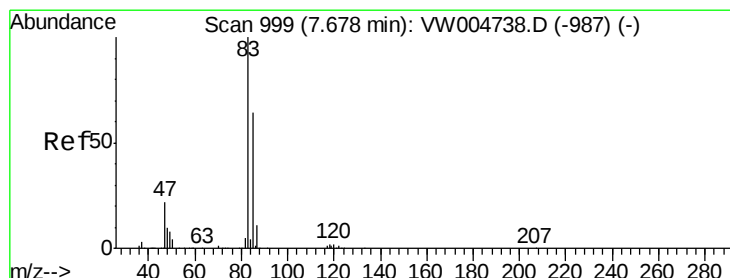
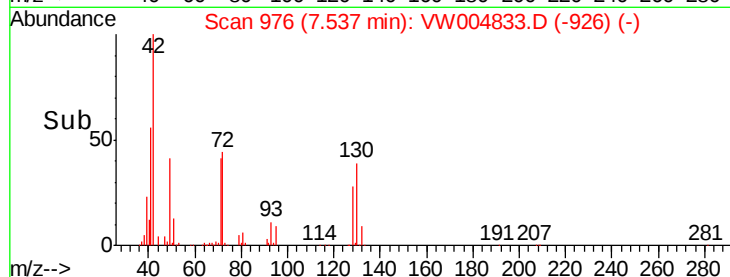
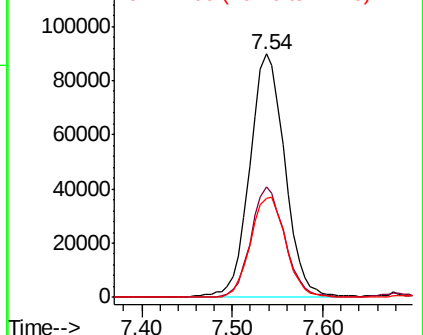
42 100

72 44.0 34.9 52.3

71 41.4 33.8 50.6



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: 49.604 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004833.D

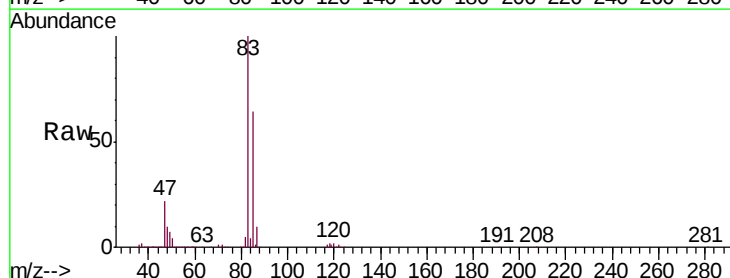
Acq: 21 Aug 2018 11:26

Tgt Ion: 83 Resp: 596211

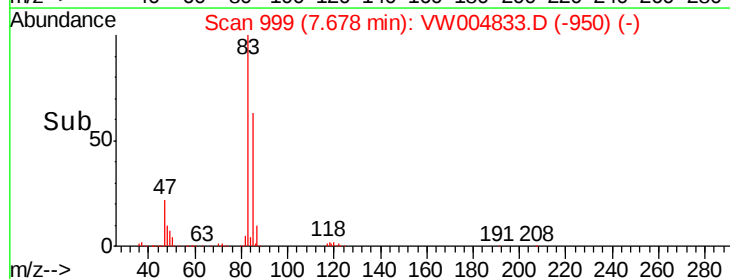
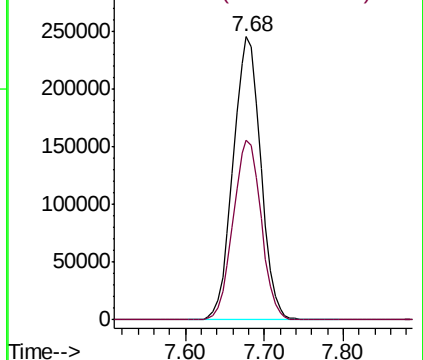
Ion Ratio Lower Upper

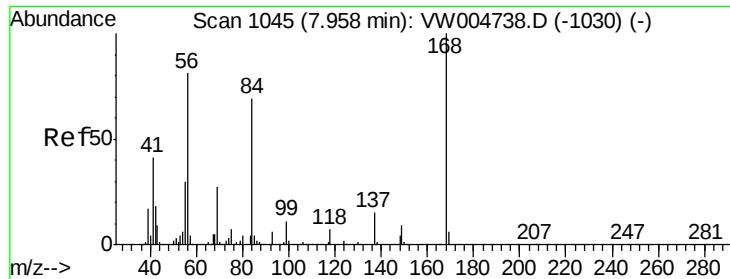
83 100

85 63.6 51.0 76.6



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

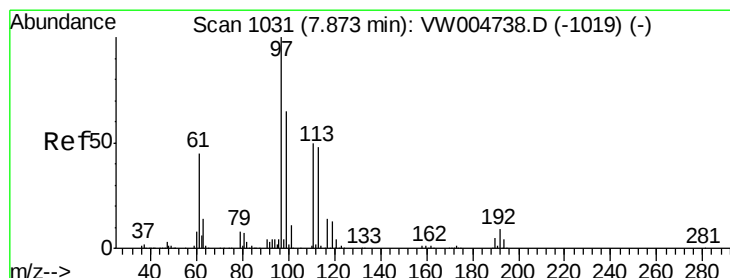
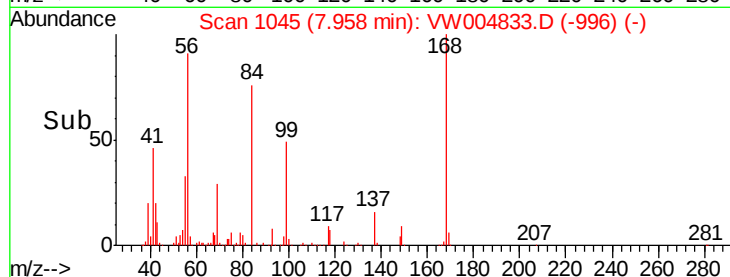
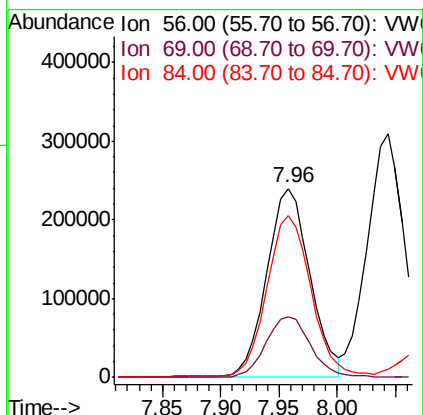
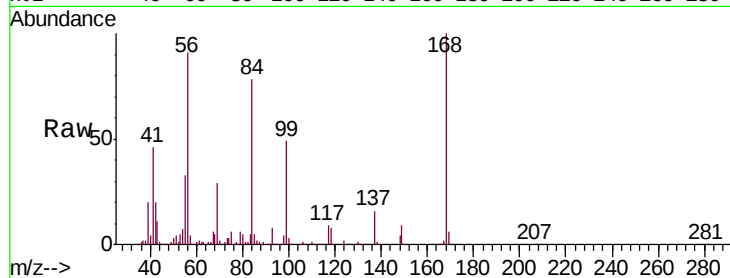




#31
Cyclohexane
Concen: 52.017 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

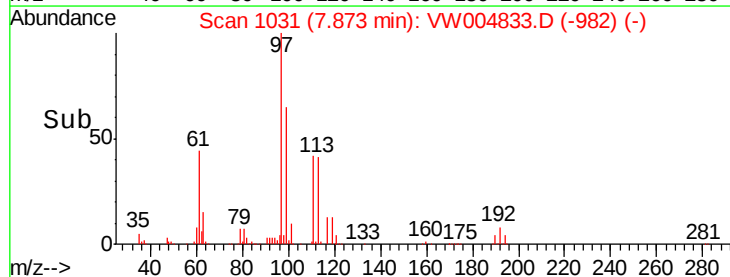
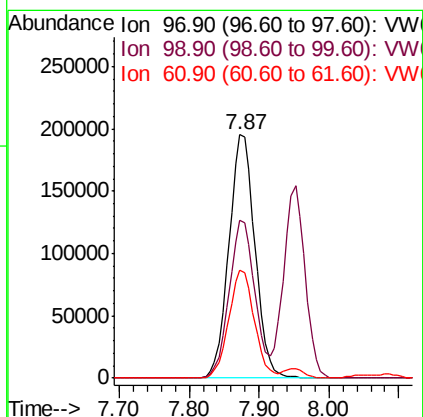
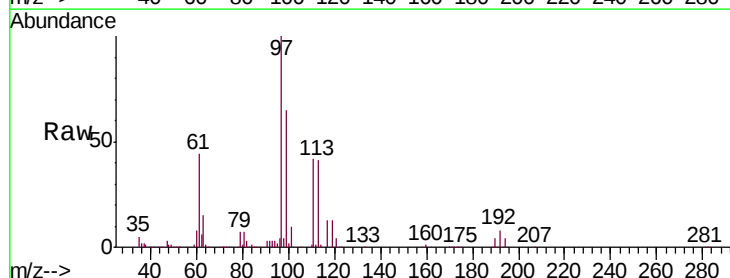
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

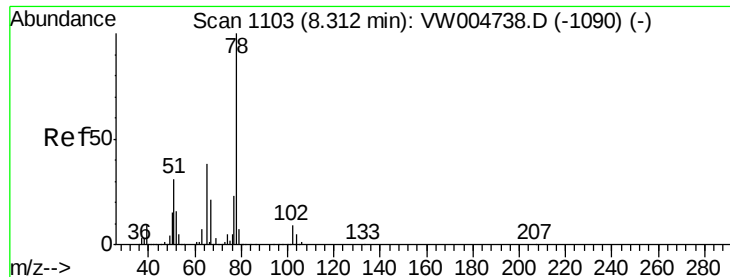
Tgt Ion: 56 Resp: 614894
Ion Ratio Lower Upper
56 100
69 32.2 27.1 40.7
84 84.2 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 52.912 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 97 Resp: 504132
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 43.7 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 44.982 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

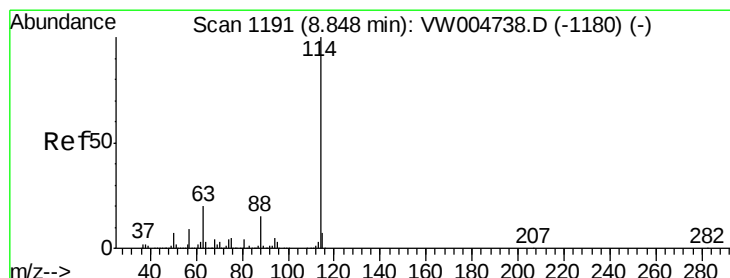
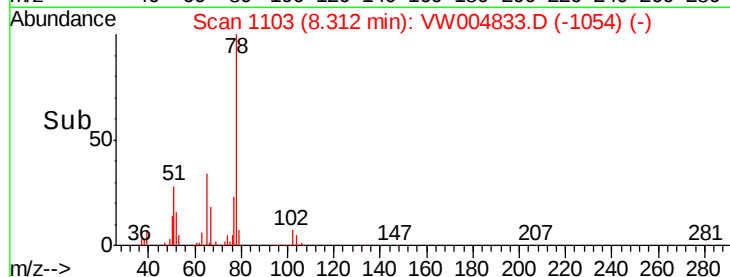
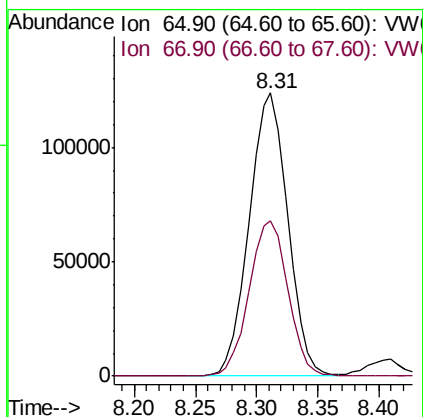
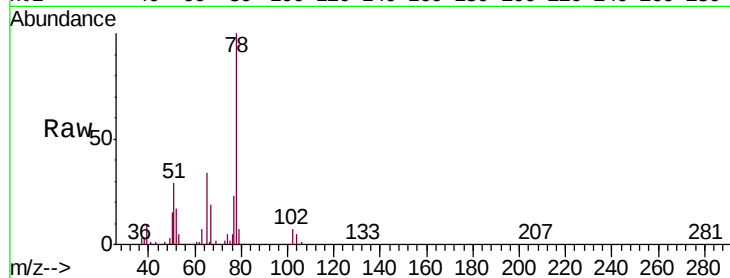
VSTDCCC050

Tgt Ion: 65 Resp: 272085

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

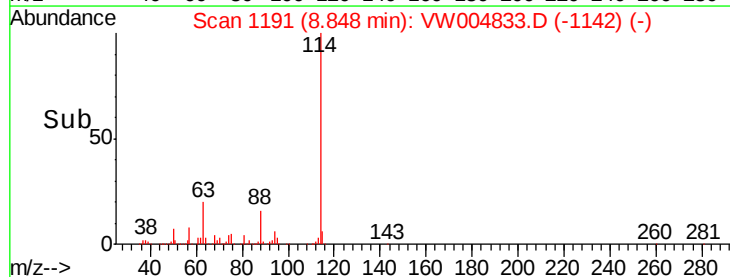
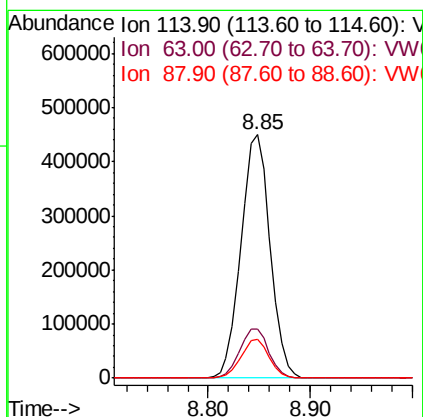
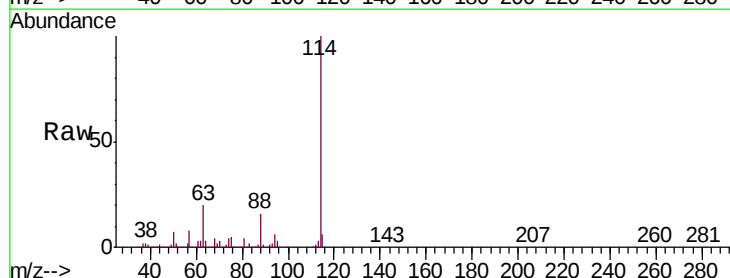
Tgt Ion: 114 Resp: 891661

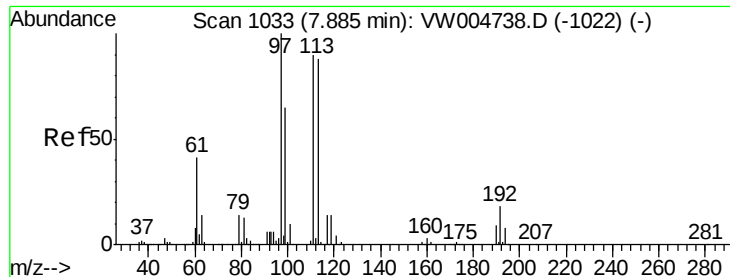
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

88 15.9 0.0 30.0

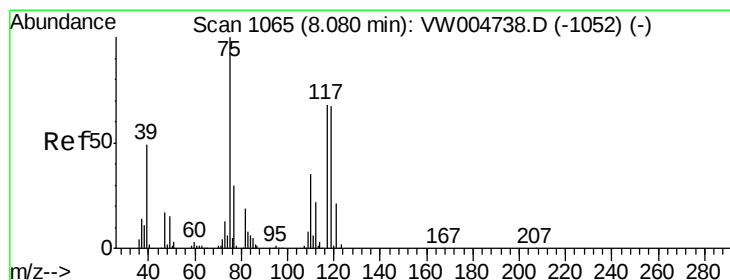
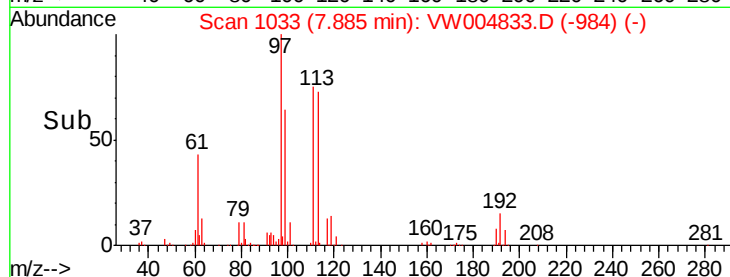
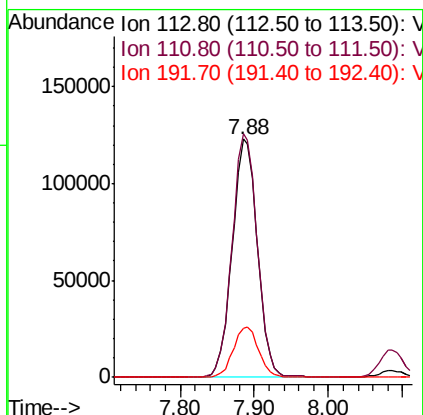
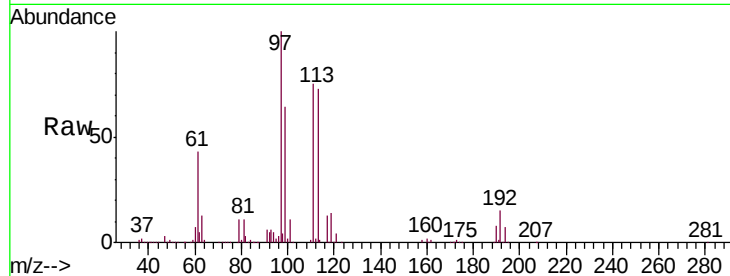




#35
 Dibromofluoromethane
 Concen: 51.156 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

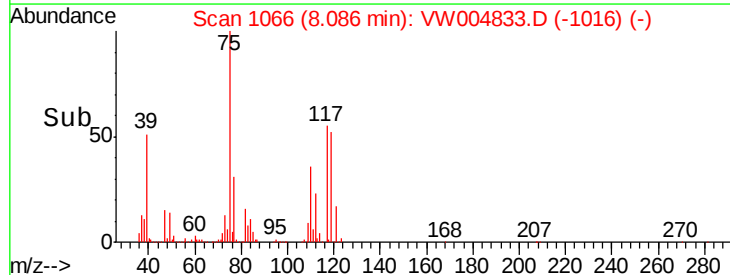
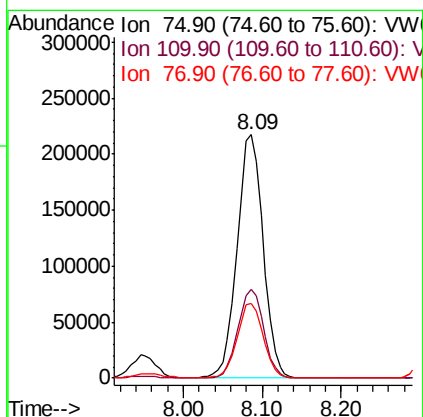
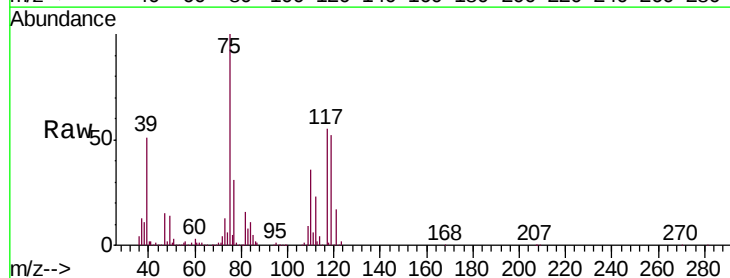
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

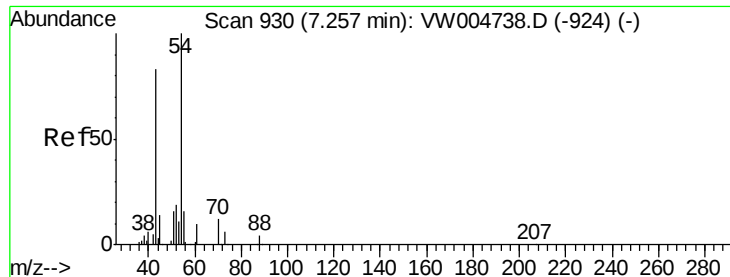
Tgt Ion: 113 Resp: 291534
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 21.2 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 54.328 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 75 Resp: 499039
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.8 53.5
 77 31.1 24.9 37.3

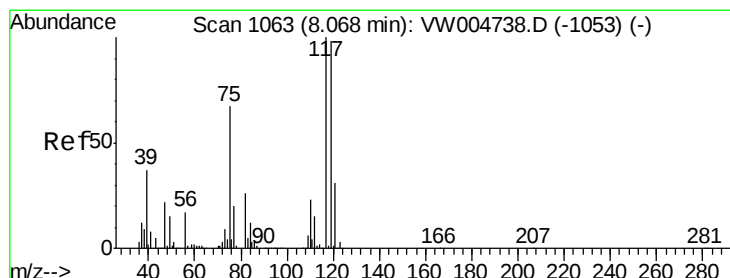
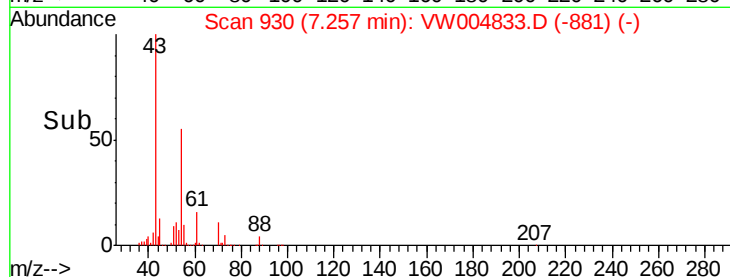
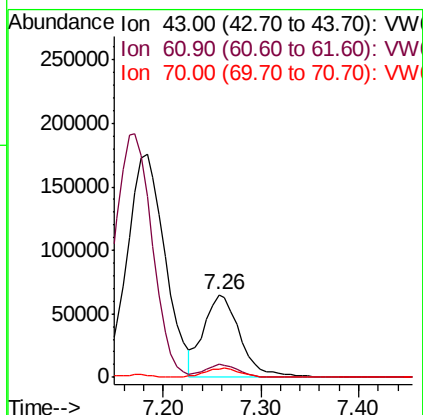
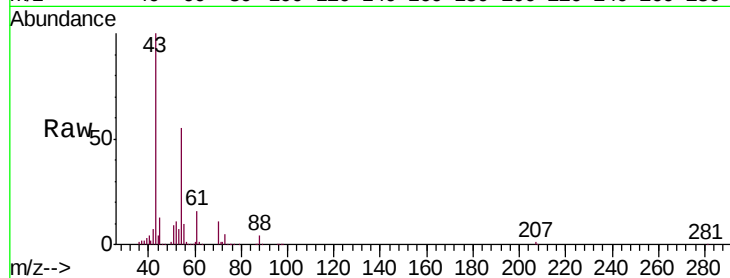




#37
 Ethyl Acetate
 Concen: 45.112 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

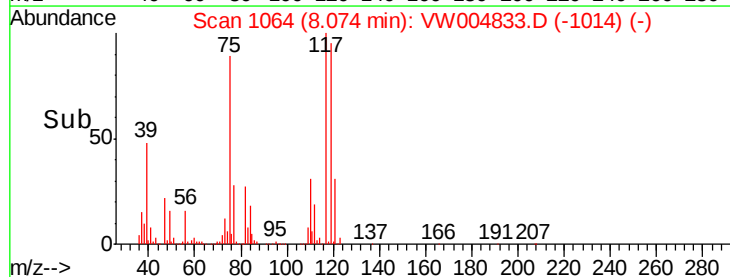
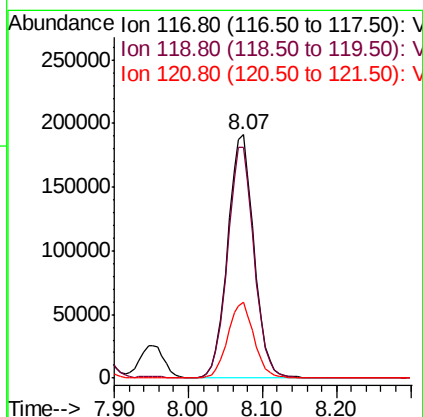
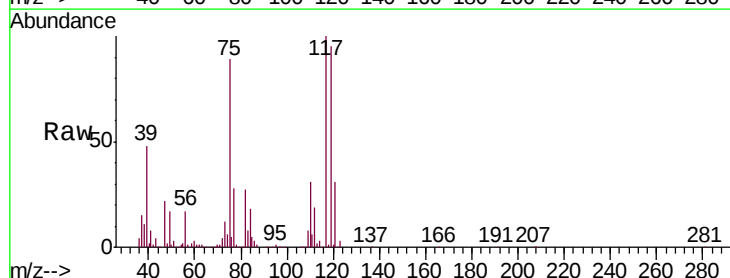
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

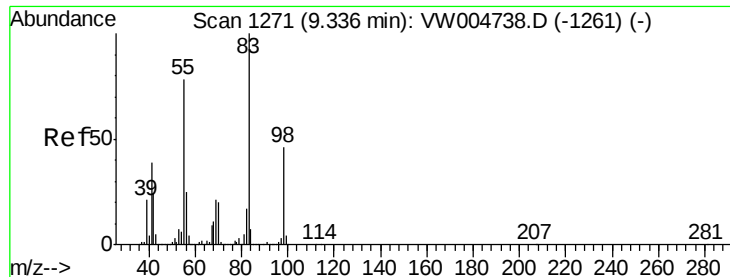
Tgt Ion: 43 Resp: 165187
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.6 17.4
 70 11.1 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 55.864 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 117 Resp: 472355
 Ion Ratio Lower Upper
 117 100
 119 94.5 78.0 117.0
 121 31.1 24.8 37.2

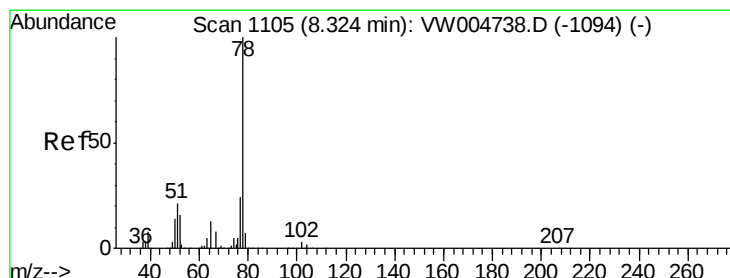
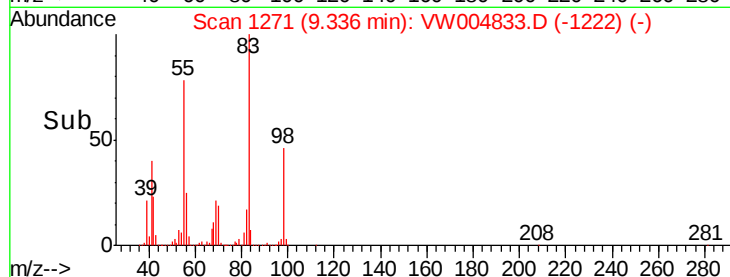
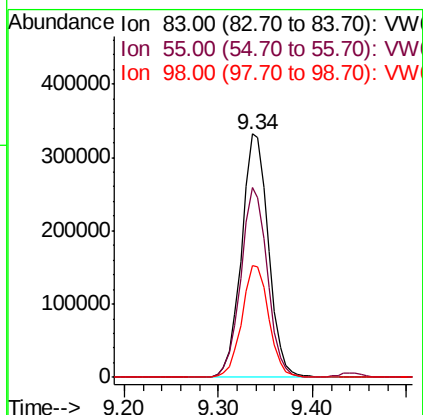
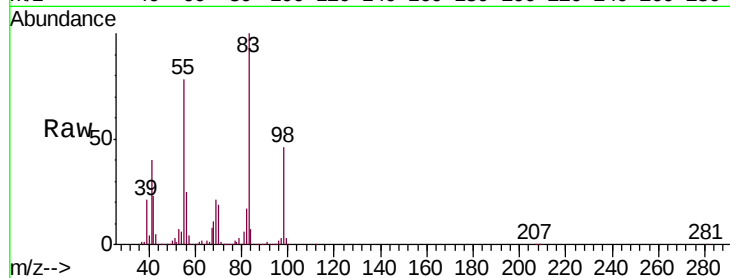




#39
Methylcyclohexane
Concen: 57.801 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

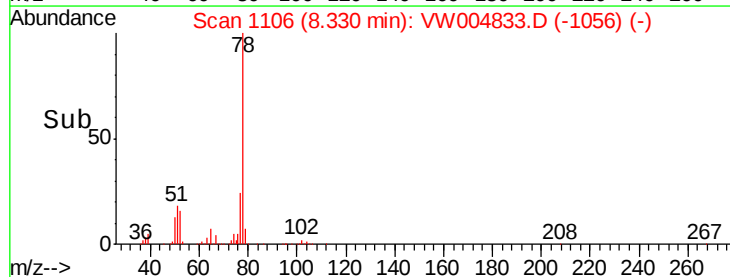
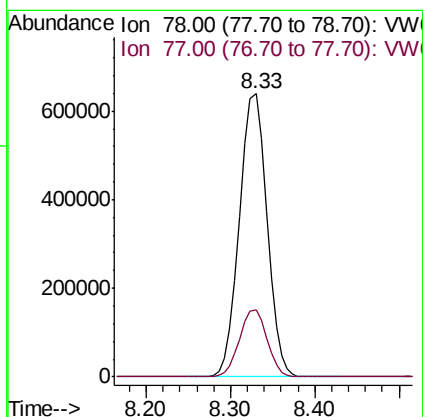
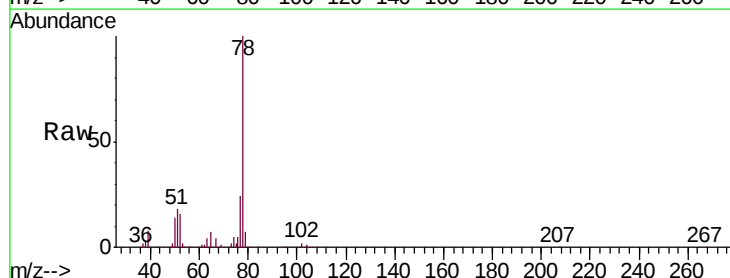
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

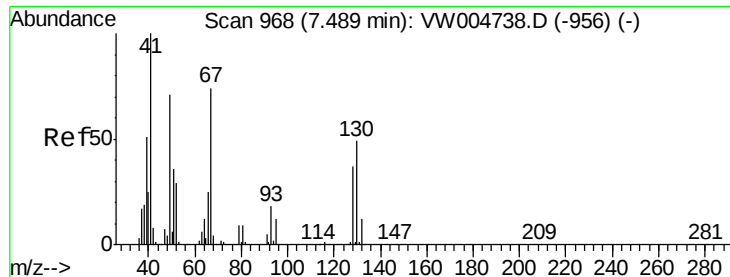
Tgt Ion: 83 Resp: 663984
Ion Ratio Lower Upper
83 100
55 77.8 62.4 93.6
98 45.7 36.5 54.7



#40
Benzene
Concen: 52.950 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 78 Resp: 1413510
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

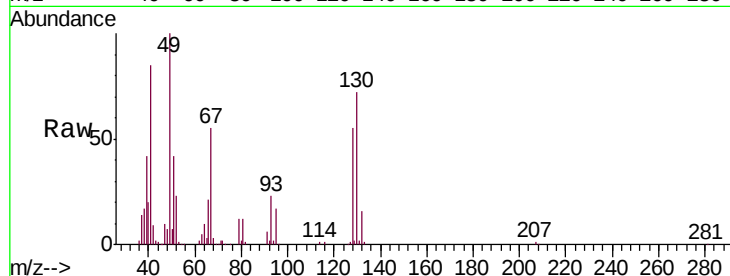




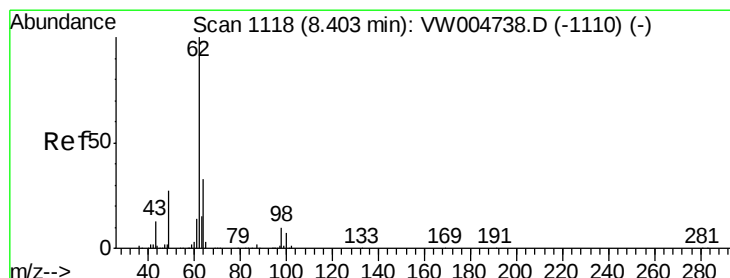
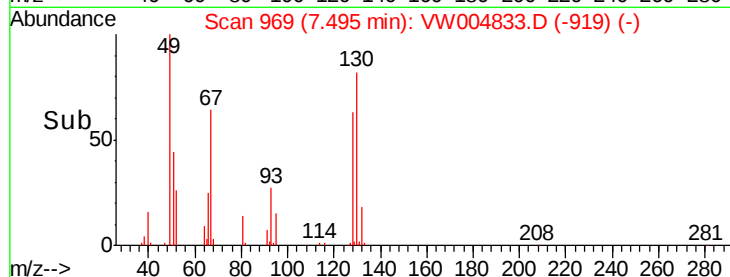
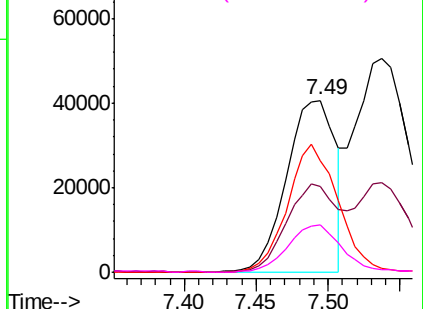
#41
Methacrylonitrile
Concen: 46.243 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	96096
Ion	Ratio	Lower	Upper
41	100		
39	56.0	41.0	61.4
67	77.2	59.5	89.3
52	30.3	23.6	35.4

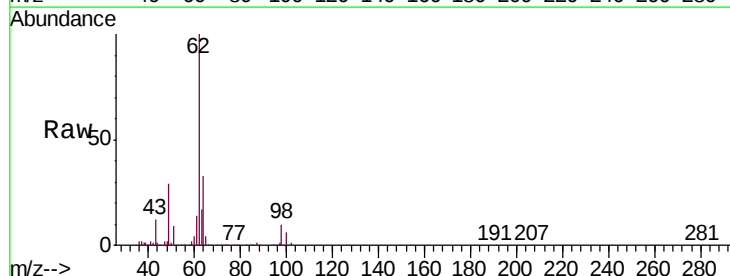


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

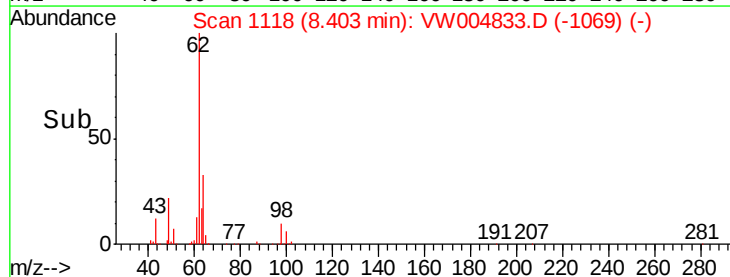
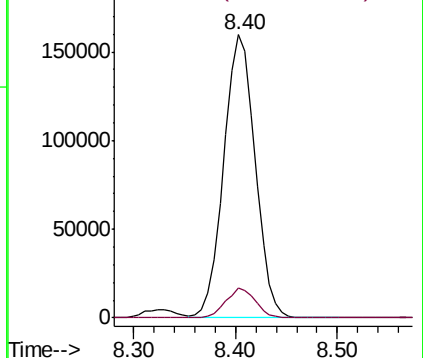


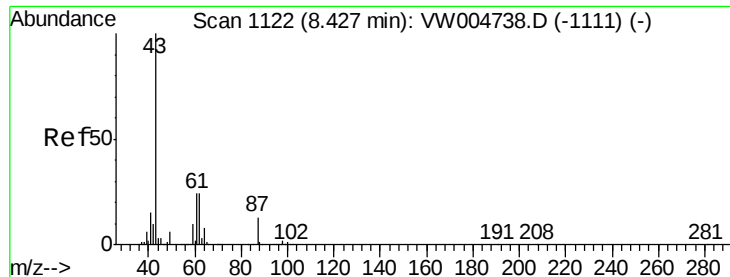
#42
1,2-Dichloroethane
Concen: 49.726 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:	62	Resp:	340400
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 46.264 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

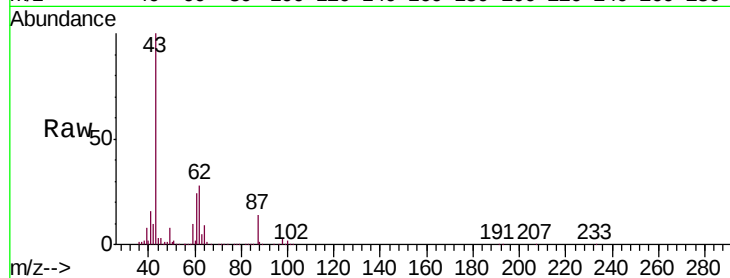
Tgt Ion: 43 Resp: 304286

Ion Ratio Lower Upper

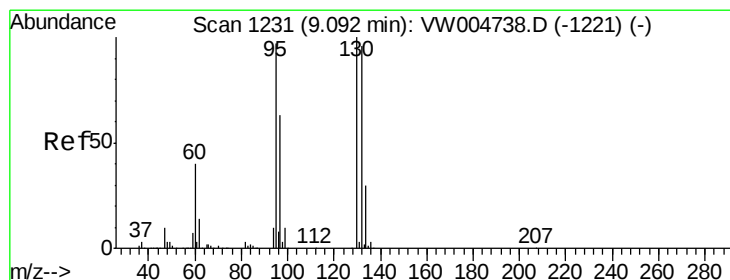
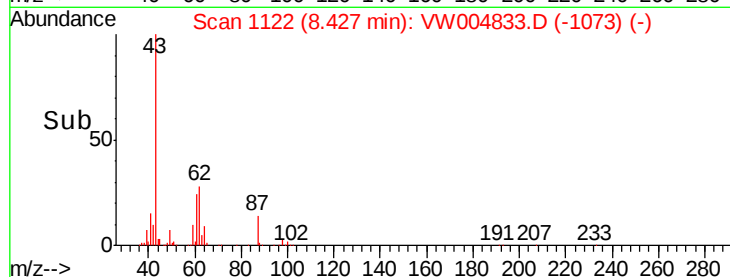
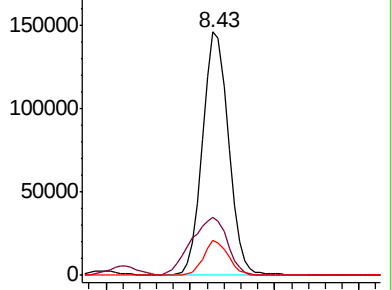
43 100

61 33.6 26.2 39.4

87 13.7 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.707 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004833.D

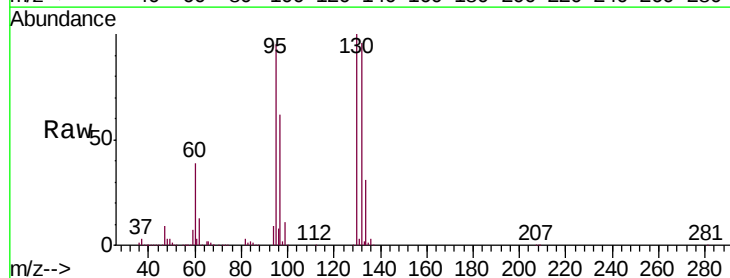
Acq: 21 Aug 2018 11:26

Tgt Ion: 130 Resp: 357167

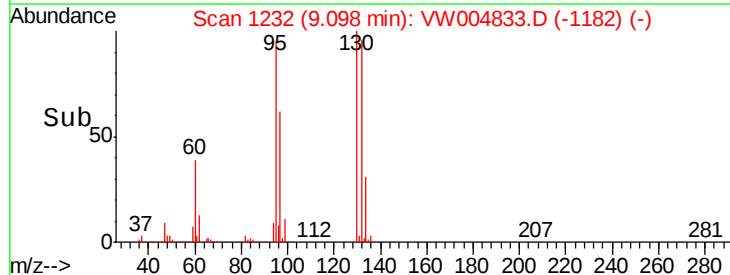
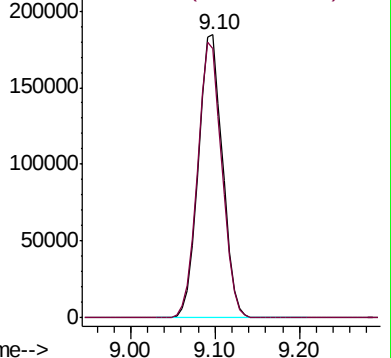
Ion Ratio Lower Upper

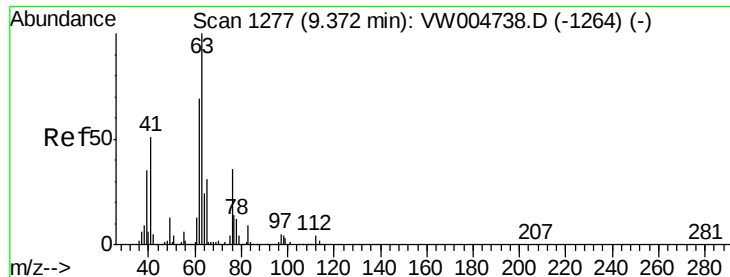
130 100

95 95.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

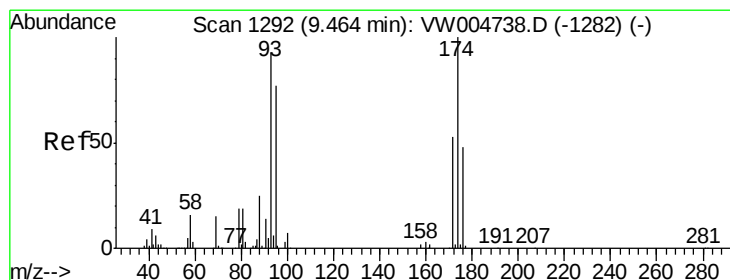
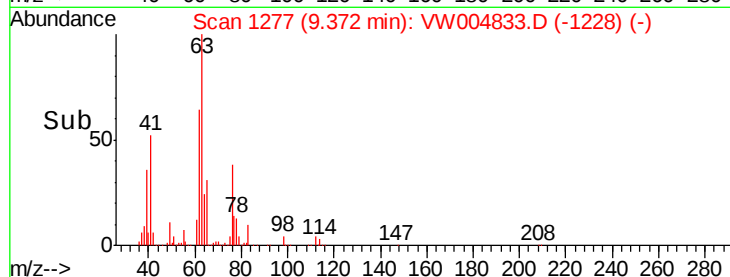
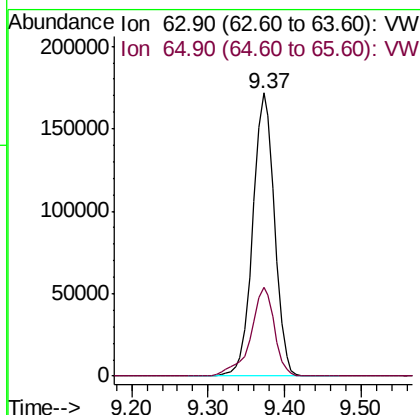
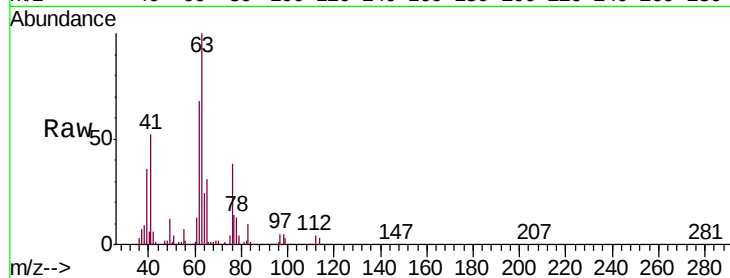




#45
 1,2-Dichloropropane
 Concen: 52.133 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

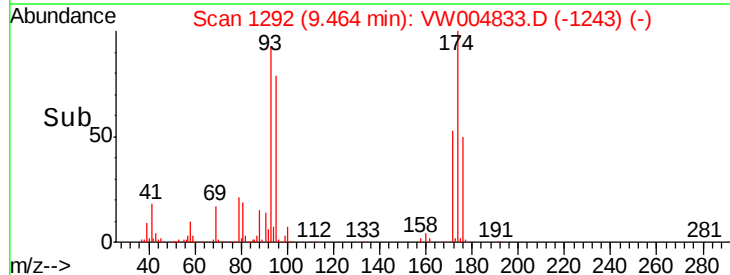
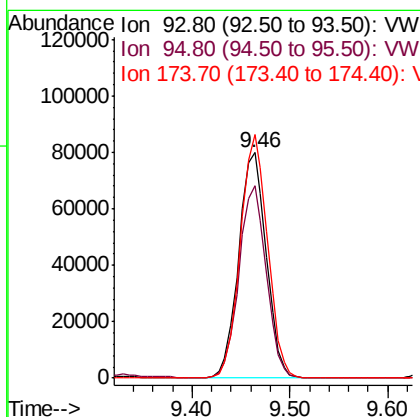
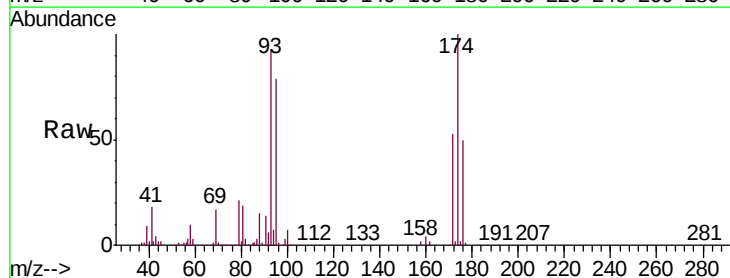
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

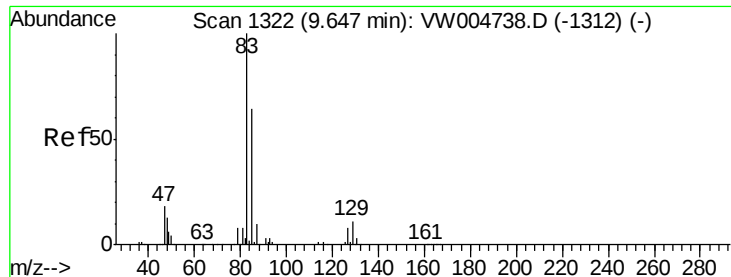
Tgt Ion: 63 Resp: 340423
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0



#46
 Dibromomethane
 Concen: 48.397 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 93 Resp: 156565
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 99.8
 174 106.4 85.3 127.9





#47

Bromodichloromethane

Concen: 51.612 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

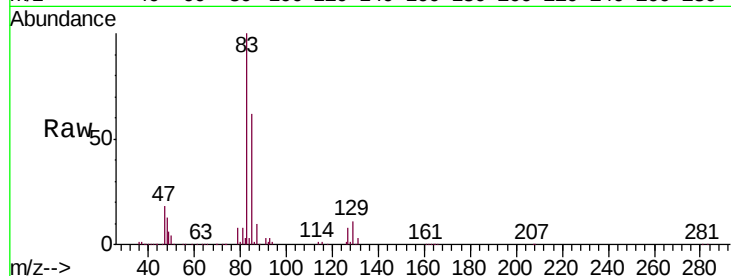
Tgt Ion: 83 Resp: 398749

Ion Ratio Lower Upper

83 100

85 61.6 51.2 76.8

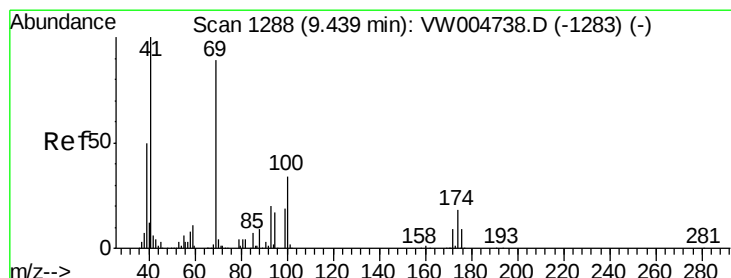
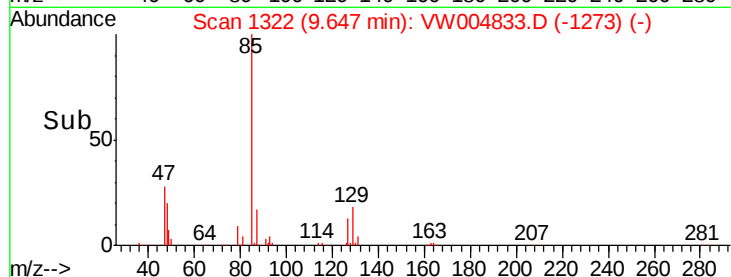
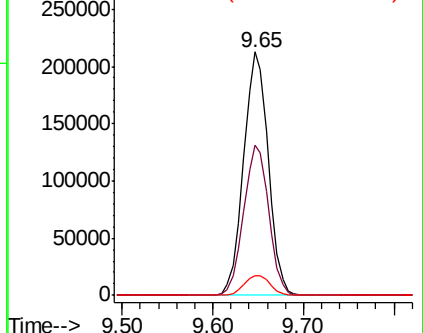
127 8.2 6.7 10.1



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: 50.652 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

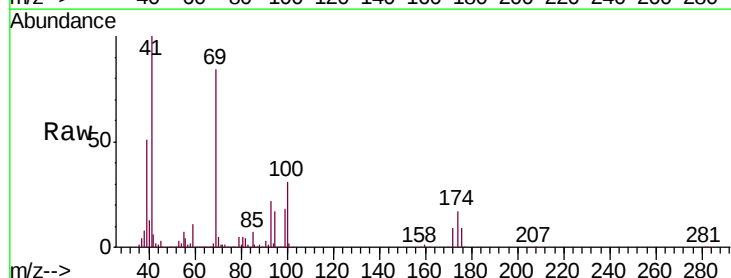
Tgt Ion: 41 Resp: 156323

Ion Ratio Lower Upper

41 100

69 88.6 75.2 112.8

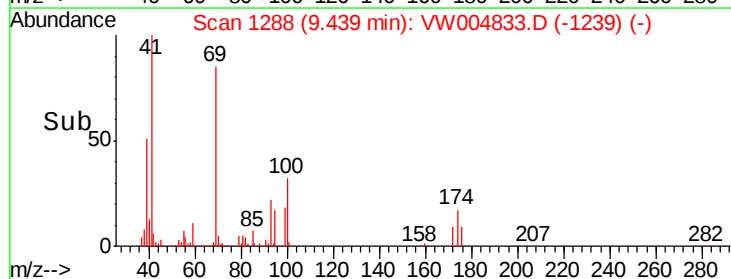
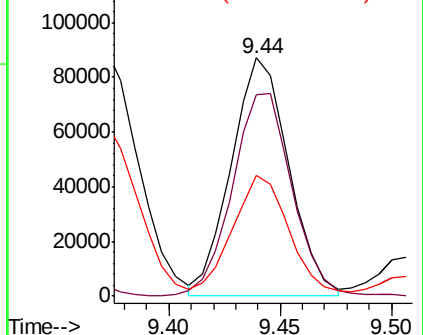
39 46.7 39.8 59.6

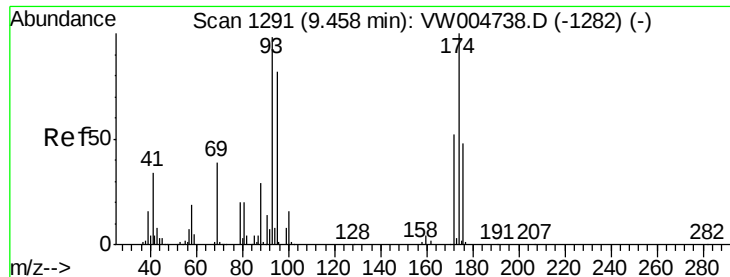


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1082.150 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.02 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

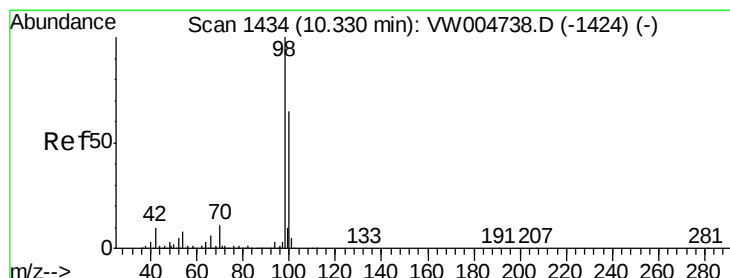
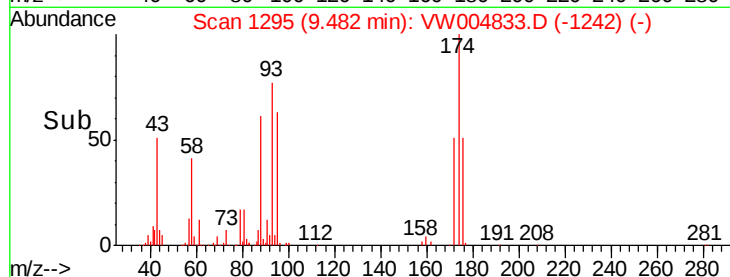
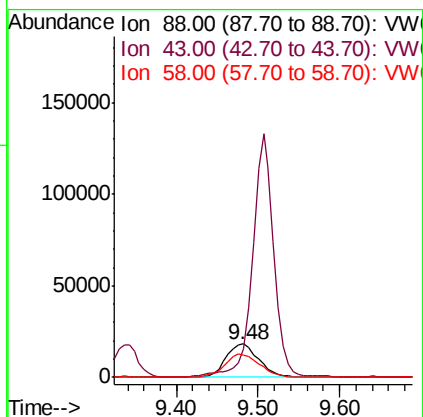
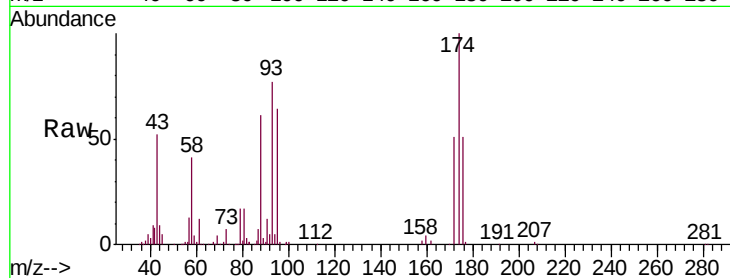
Tgt Ion: 88 Resp: 51146

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 74.1 60.0 90.0



#50

Toluene-d8

Concen: 52.972 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004833.D

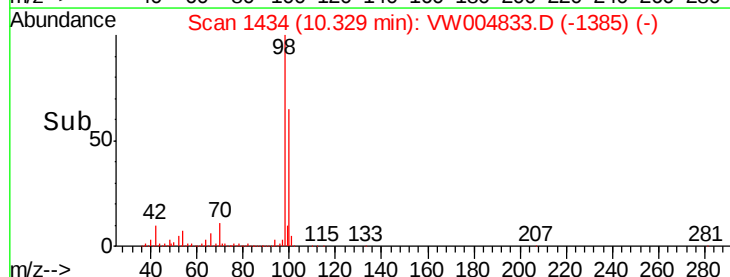
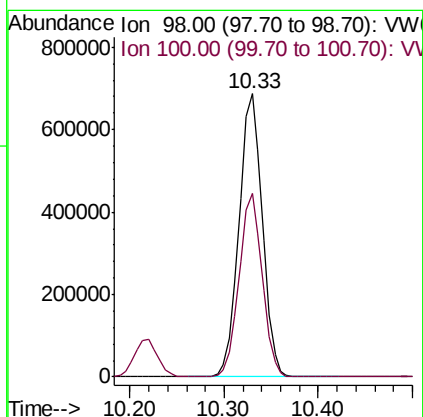
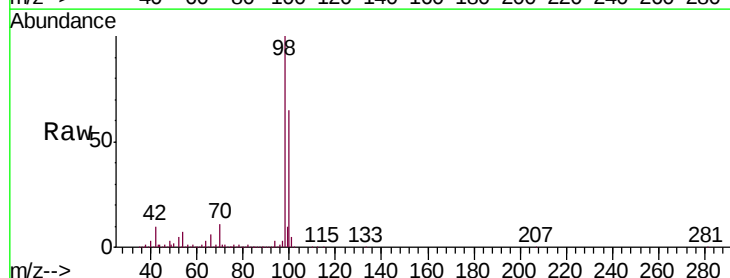
Acq: 21 Aug 2018 11:26

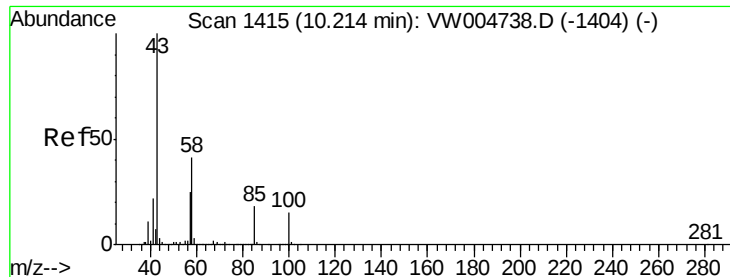
Tgt Ion: 98 Resp: 1178434

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8

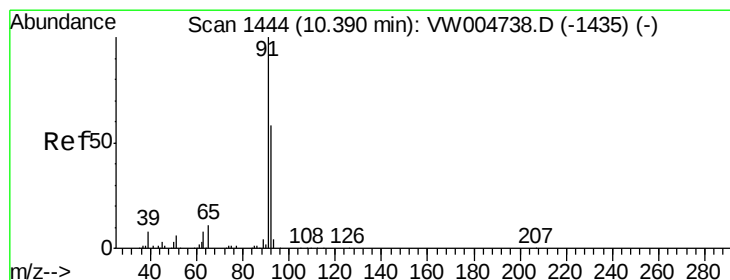
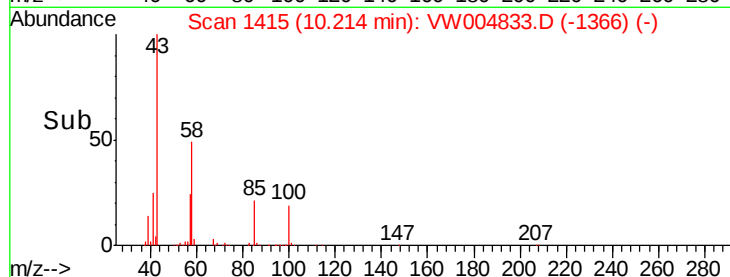
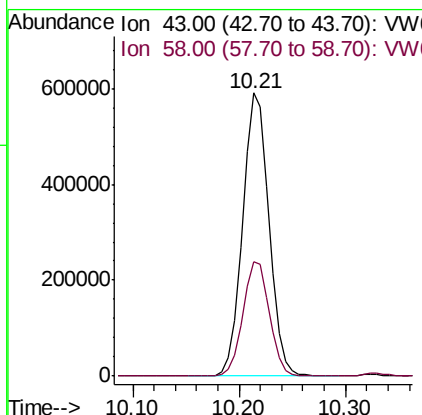
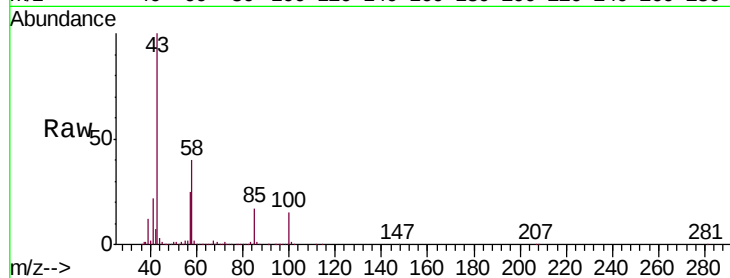




#51
 4-Methyl-2-Pentanone
 Concen: 231.275 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

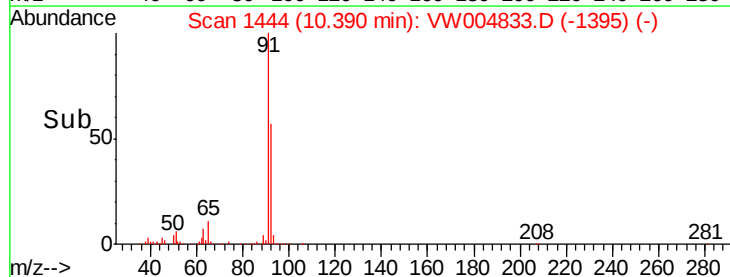
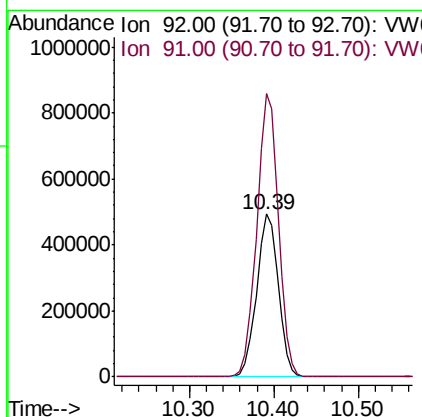
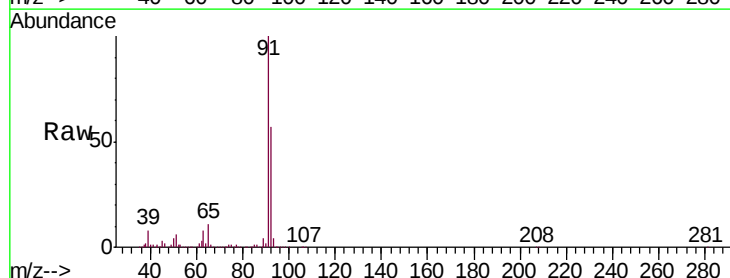
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

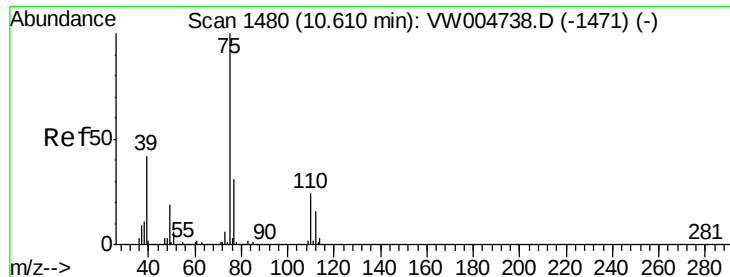
Tgt Ion: 43 Resp: 1028057
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.7 49.1



#52
 Toluene
 Concen: 54.274 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 92 Resp: 868943
 Ion Ratio Lower Upper
 92 100
 91 173.1 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 50.542 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

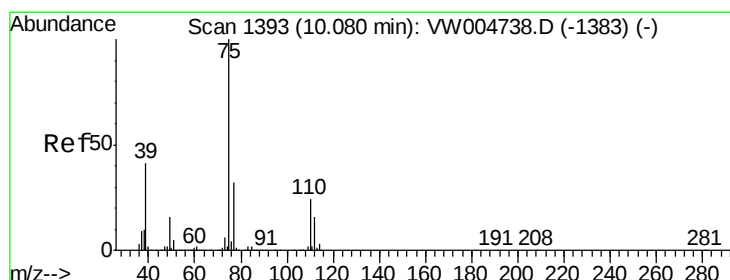
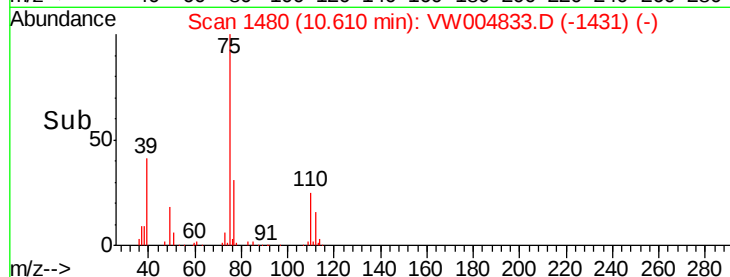
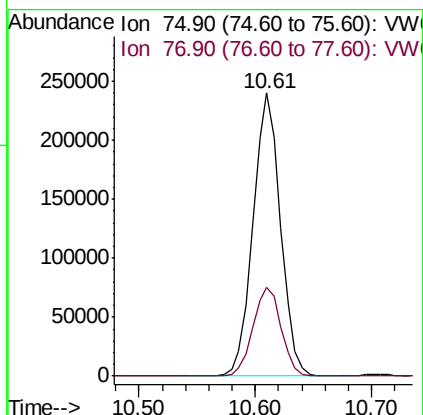
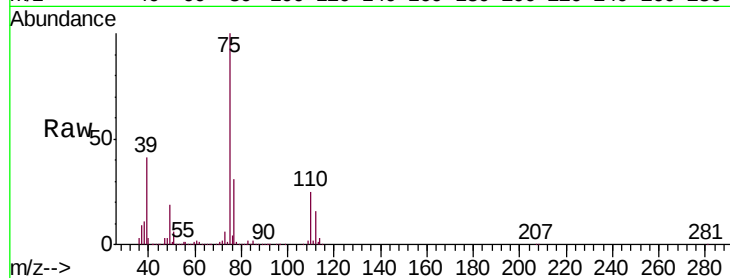
VSTDCCC050

Tgt Ion: 75 Resp: 393420

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 52.343 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

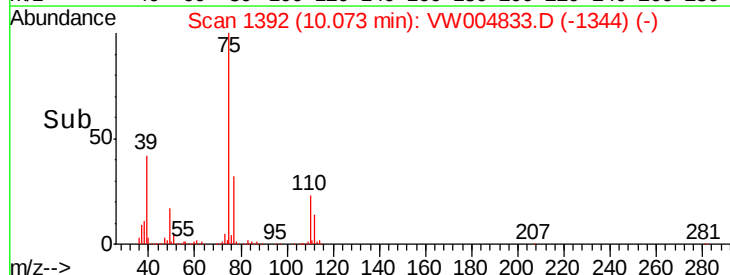
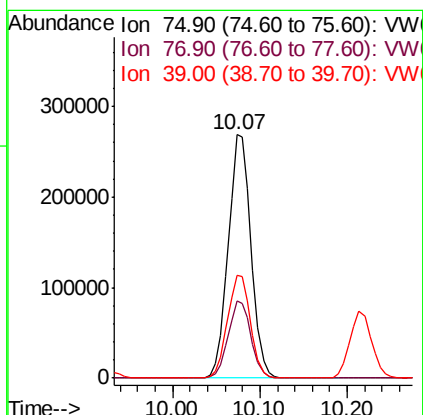
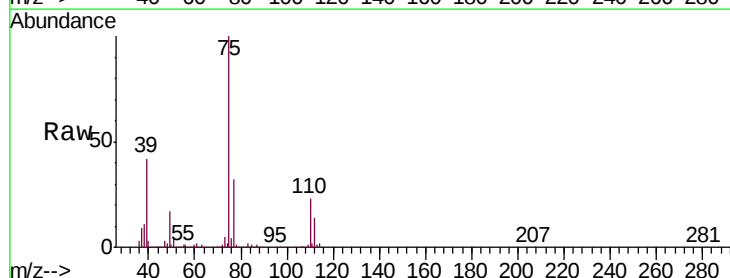
Tgt Ion: 75 Resp: 485725

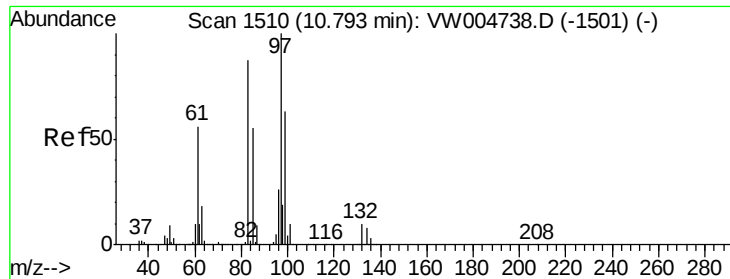
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 42.3 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 49.679 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 228448

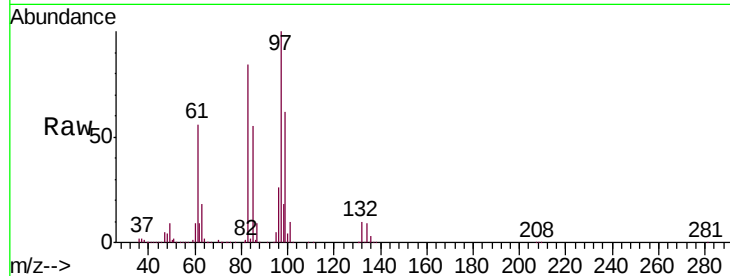
Ion Ratio Lower Upper

97 100

83 84.5 69.4 104.2

85 54.7 44.3 66.5

99 61.8 50.2 75.2

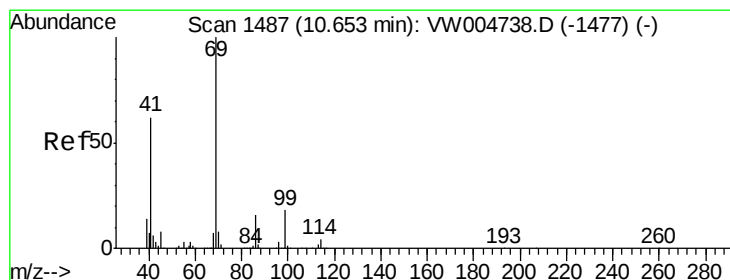
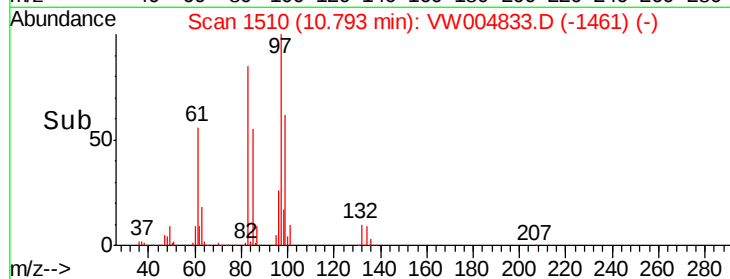
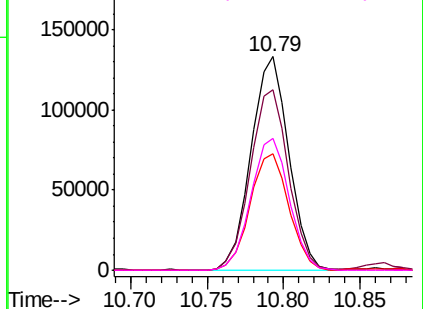


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 44.887 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

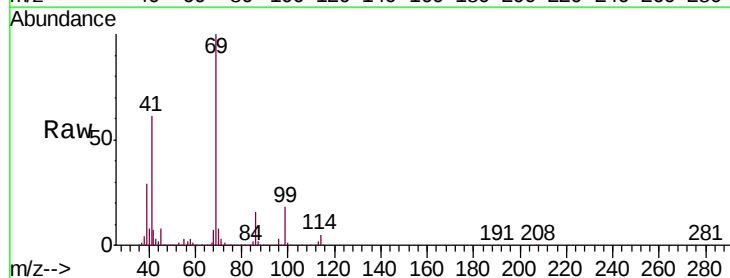
Tgt Ion: 69 Resp: 267715

Ion Ratio Lower Upper

69 100

41 62.4 50.7 76.1

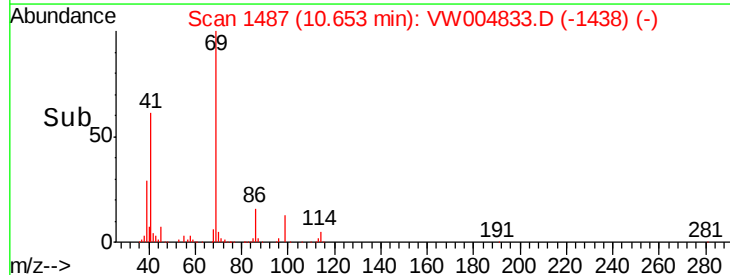
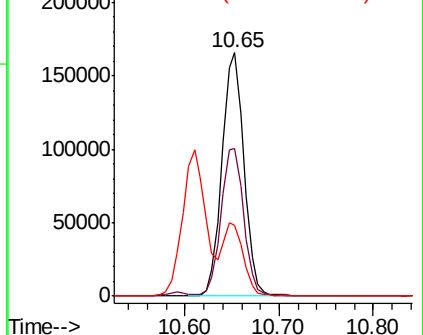
39 27.4 21.4 32.2

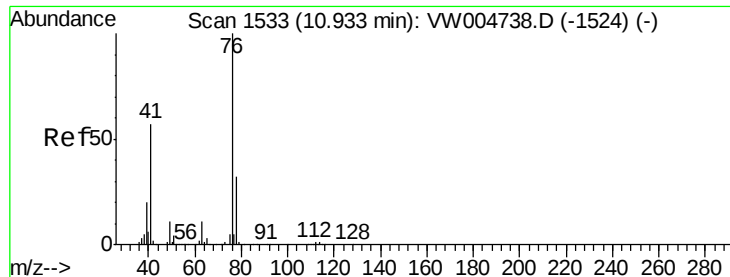


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 49.376 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

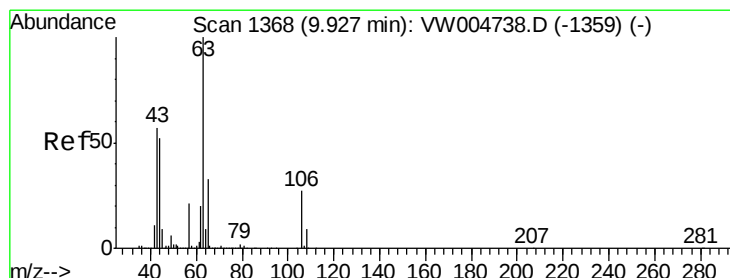
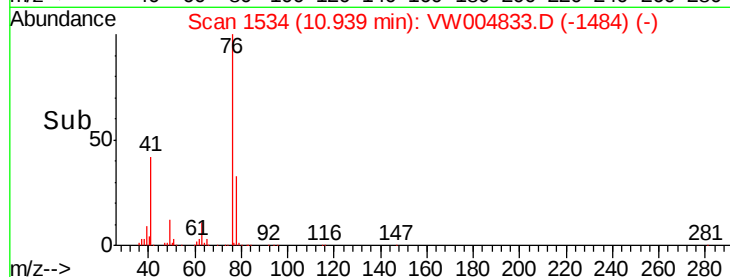
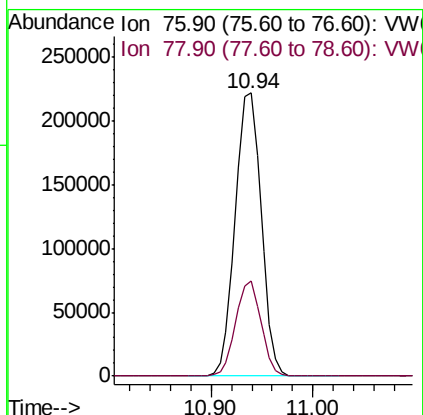
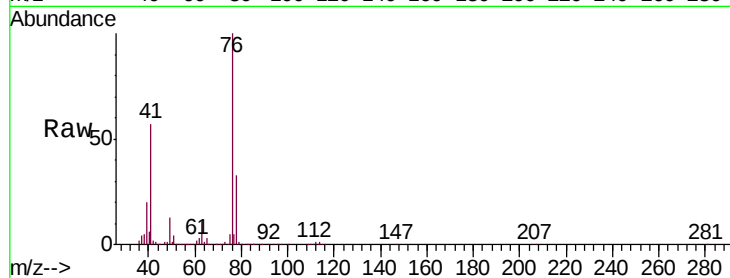
VSTDCCC050

Tgt Ion: 76 Resp: 391932

Ion Ratio Lower Upper

76 100

78 32.7 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 258.274 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW004833.D

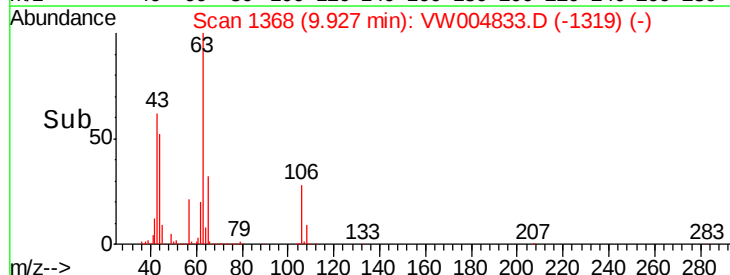
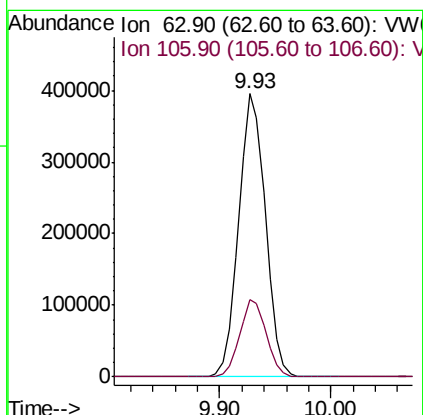
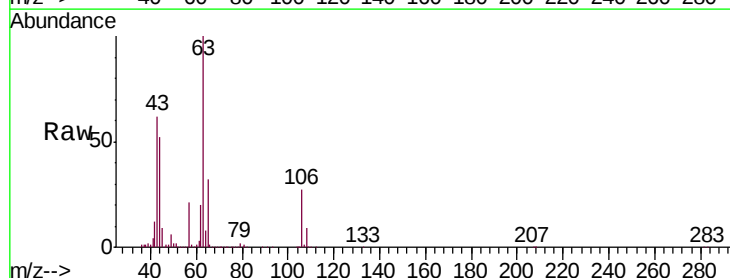
Acq: 21 Aug 2018 11:26

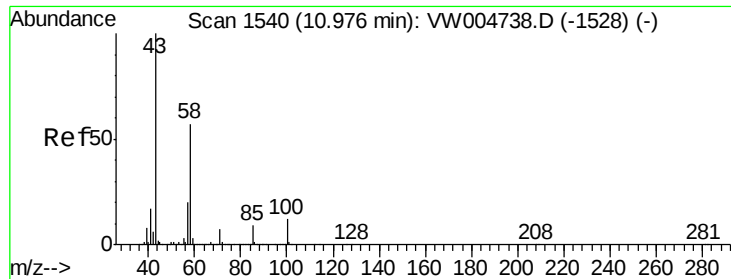
Tgt Ion: 63 Resp: 655900

Ion Ratio Lower Upper

63 100

106 27.2 22.1 33.1

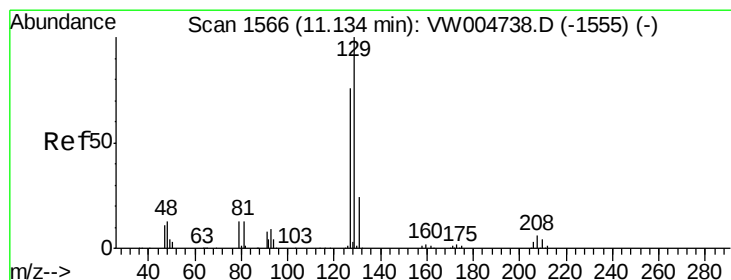
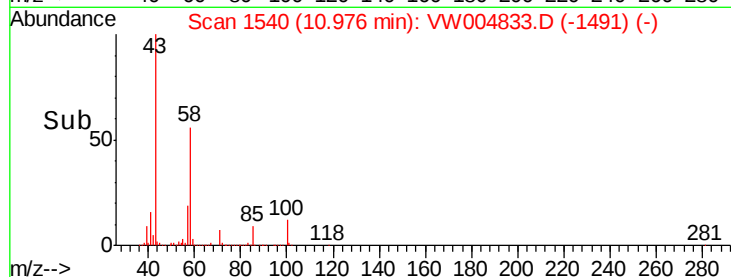
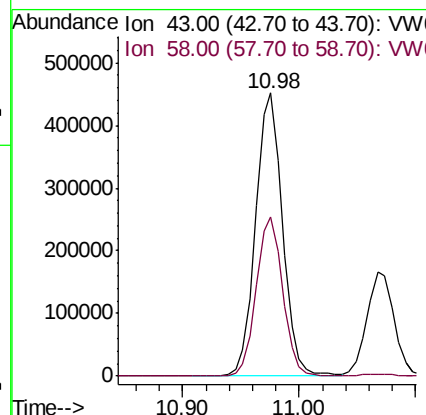
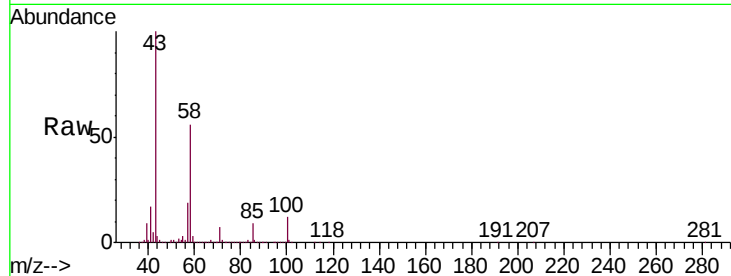




#59
2-Hexanone
Concen: 241.794 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

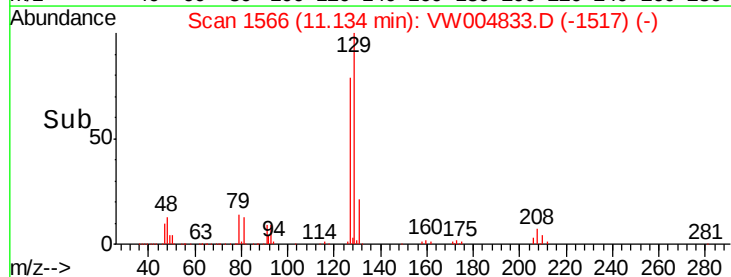
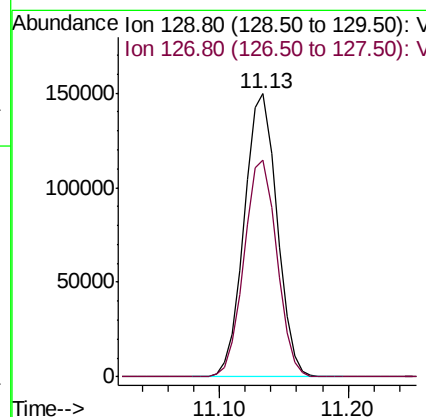
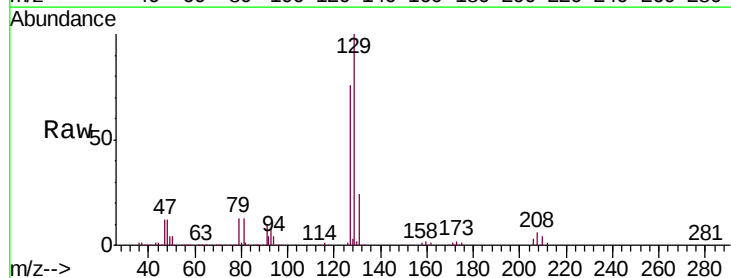
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

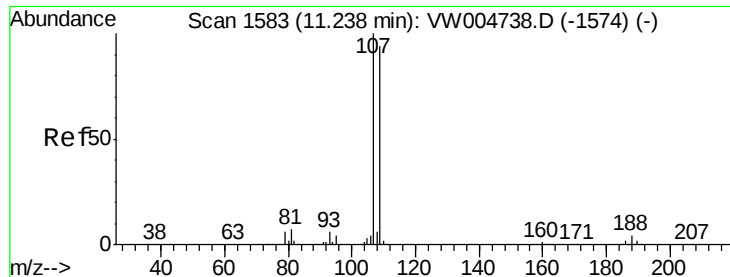
Tgt Ion: 43 Resp: 728261
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.4



#60
Dibromochloromethane
Concen: 50.895 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 129 Resp: 262577
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

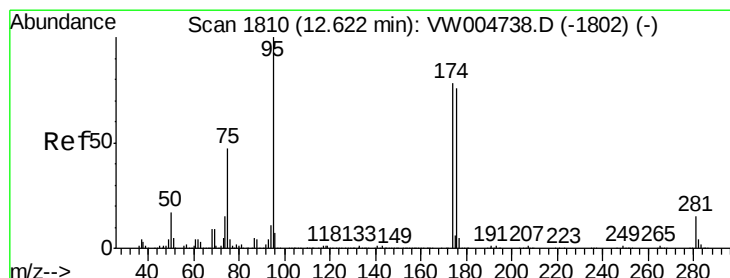
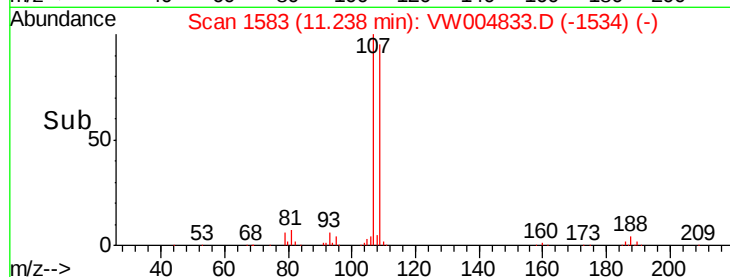
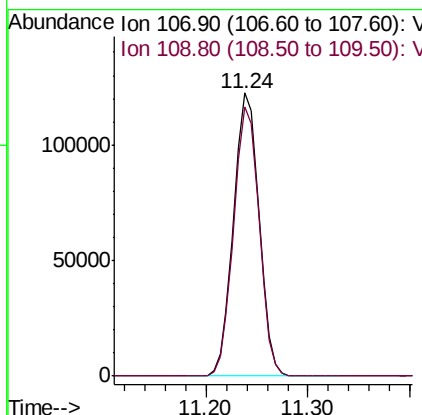
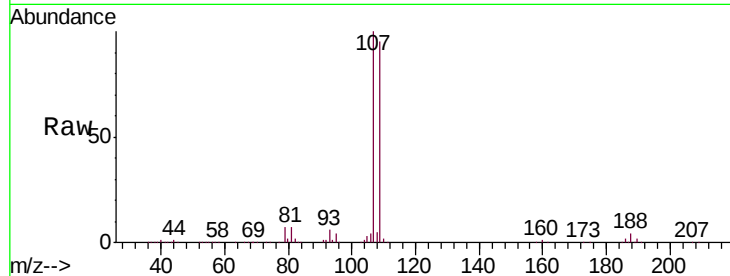




#61
 1,2-Dibromoethane
 Concen: 48.210 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

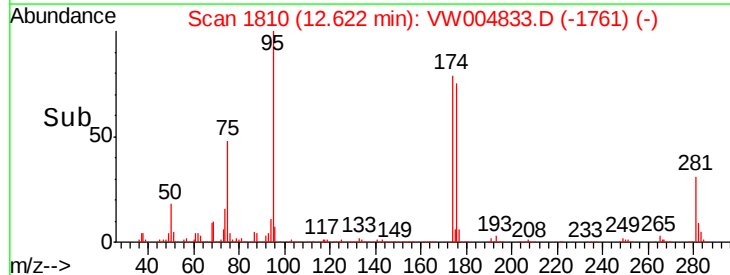
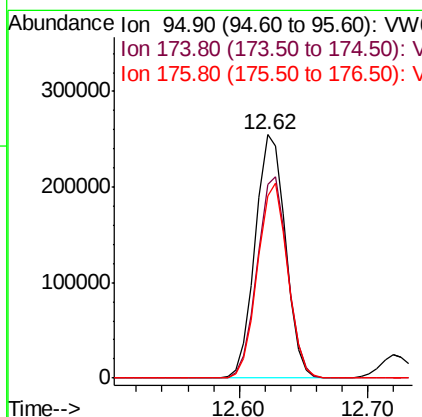
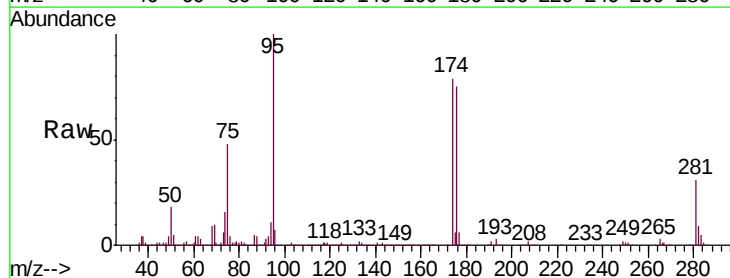
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

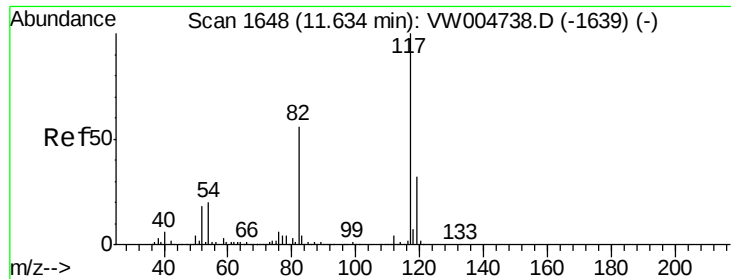
Tgt Ion: 107 Resp: 211912
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.624 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 95 Resp: 413164
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 165.8
 176 79.5 0.0 159.8

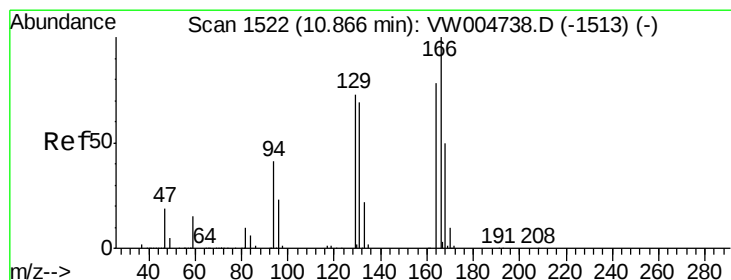
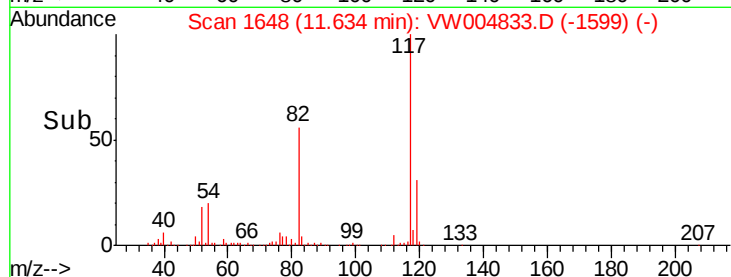
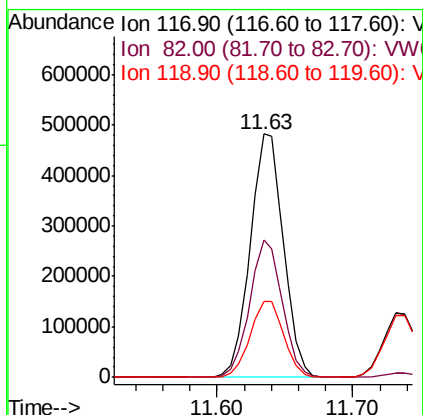
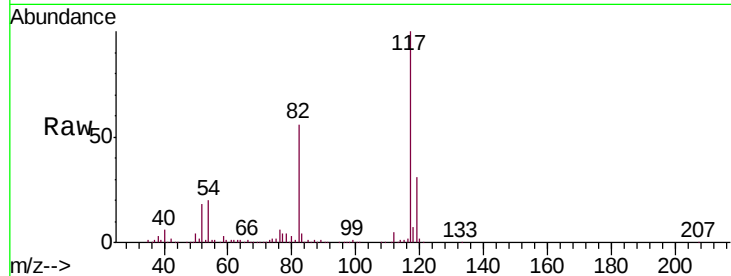




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

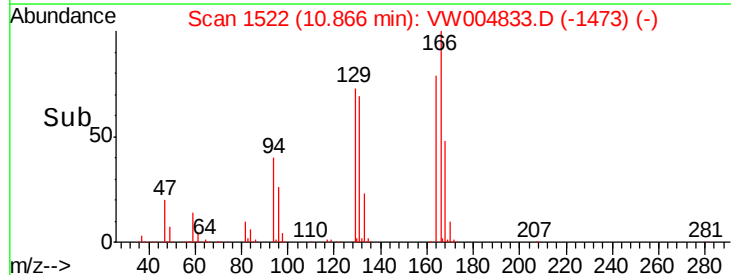
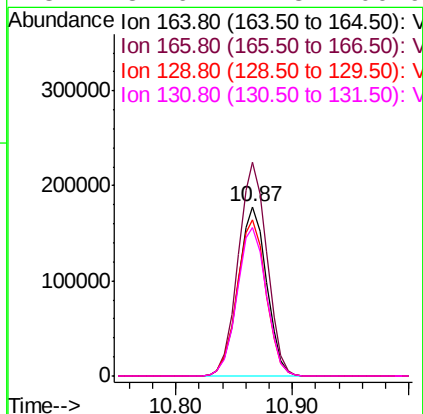
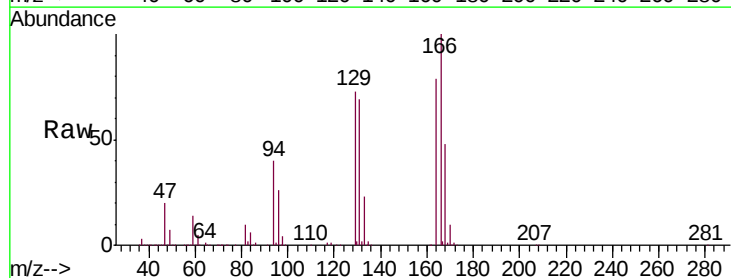
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

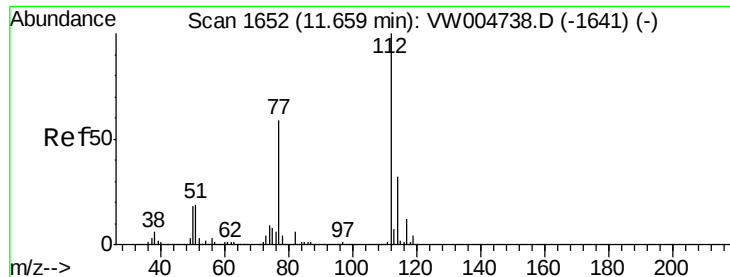
Tgt Ion:117 Resp: 825222
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 53.862 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:164 Resp: 303767
Ion Ratio Lower Upper
164 100
166 126.2 102.5 153.7
129 92.3 75.1 112.7
131 87.6 71.3 106.9

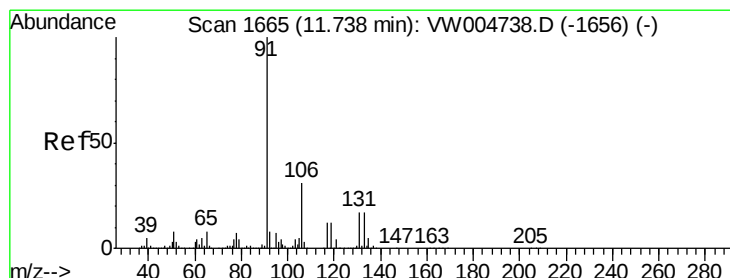
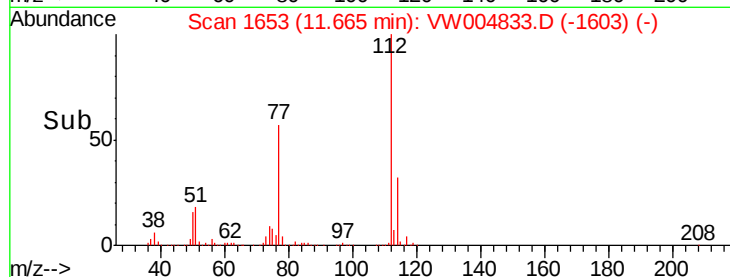
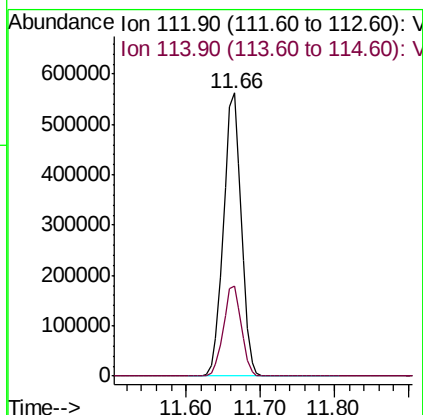
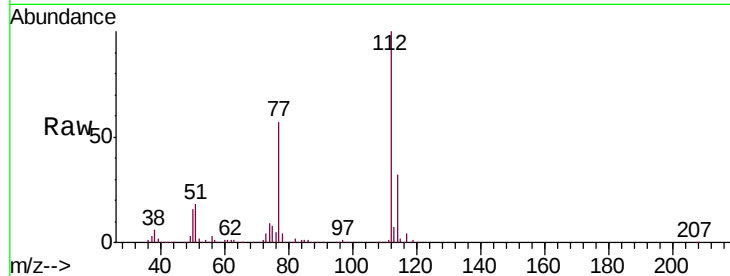




#65
Chlorobenzene
Concen: 52.669 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

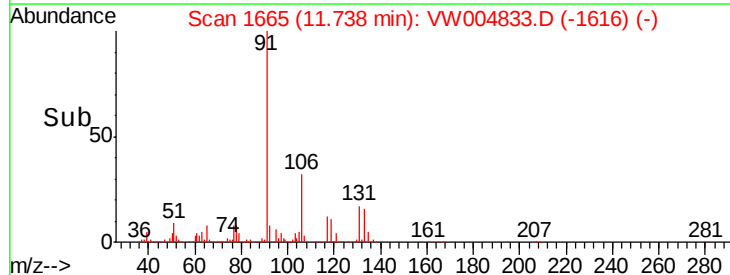
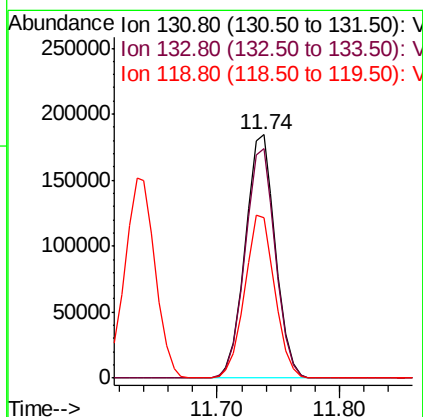
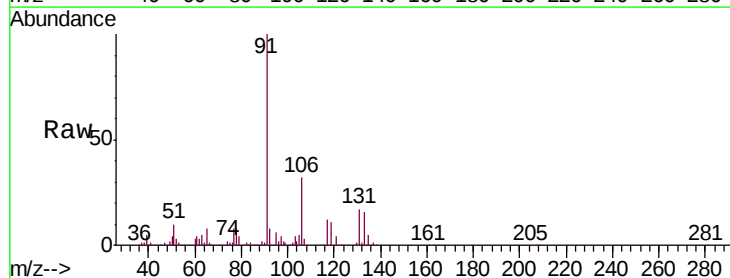
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

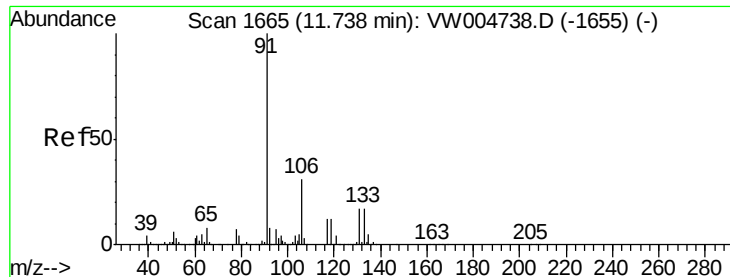
Tgt Ion:112 Resp: 935473
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.559 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:131 Resp: 315204
Ion Ratio Lower Upper
131 100
133 94.9 48.2 144.6
119 66.8 34.0 102.0

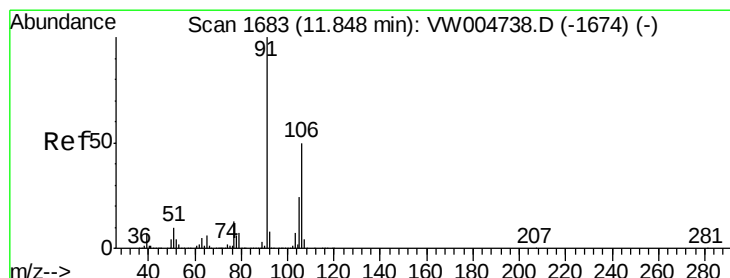
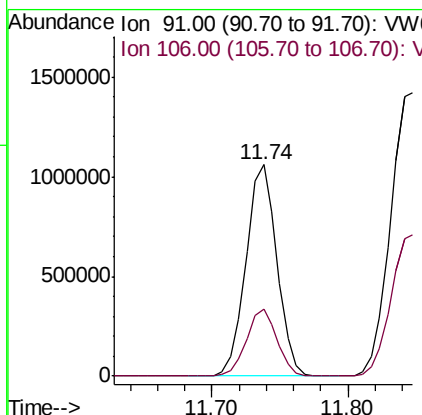
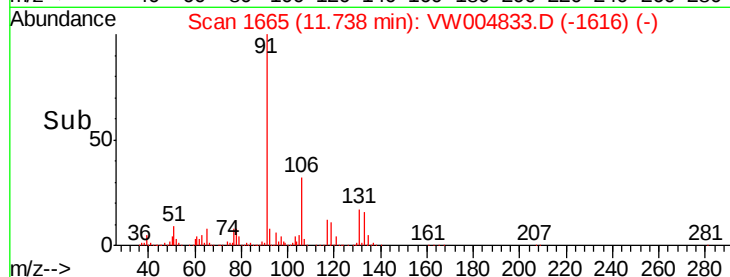
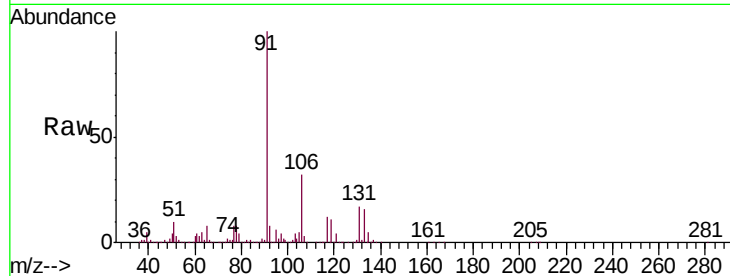




#67
Ethyl Benzene
Concen: 56.131 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

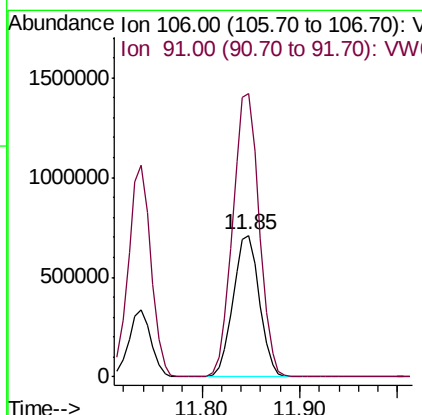
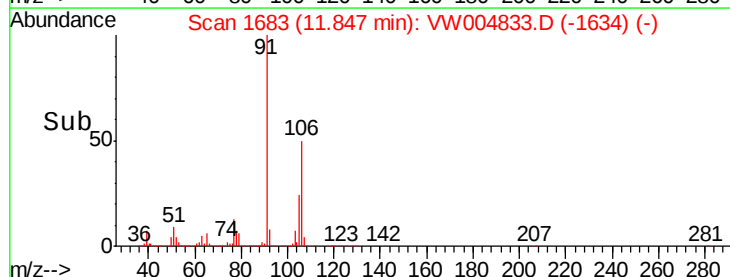
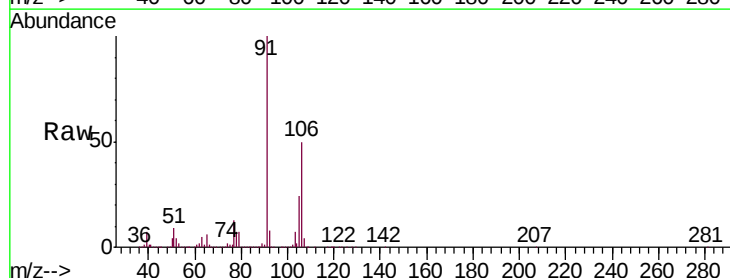
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

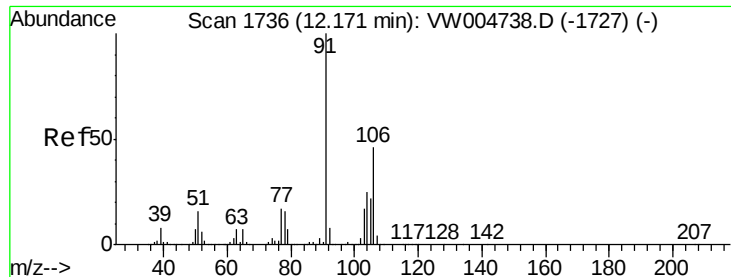
Tgt Ion: 91 Resp: 1690125
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 112.643 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 106 Resp: 1319569
Ion Ratio Lower Upper
106 100
91 201.5 159.9 239.9

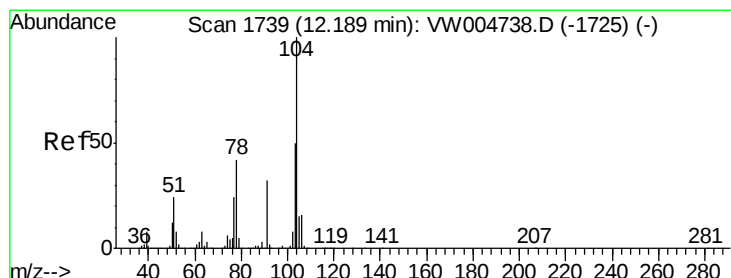
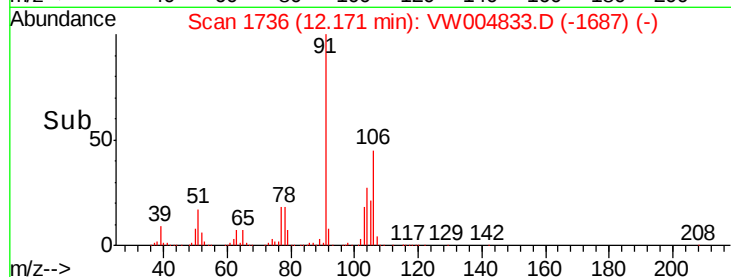
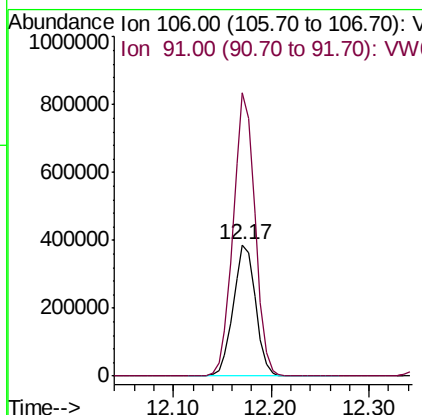
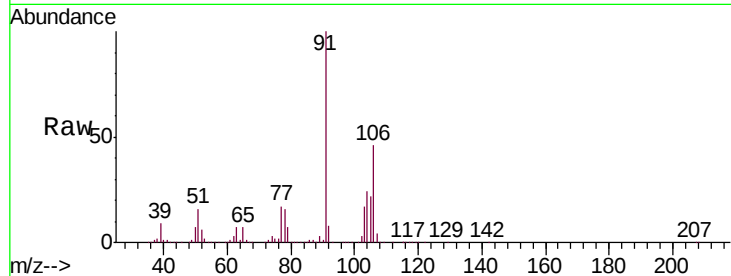




#69
o-Xylene
Concen: 56.392 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

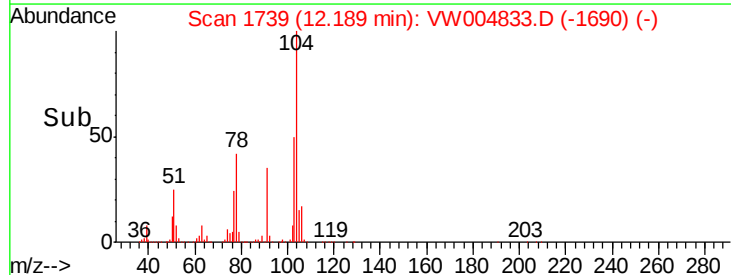
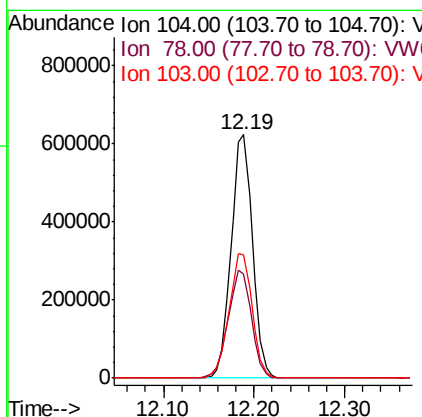
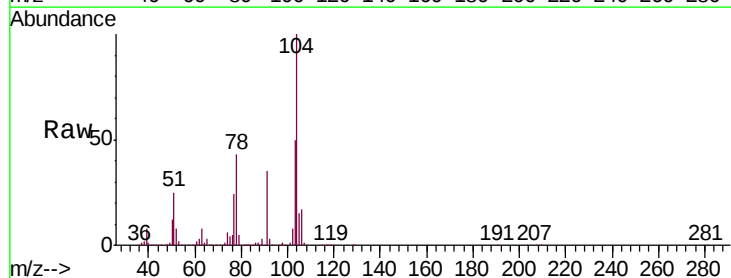
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

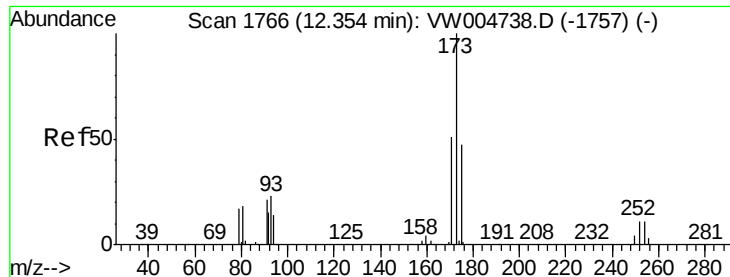
Tgt Ion:106 Resp: 611559
Ion Ratio Lower Upper
106 100
91 211.7 107.3 321.8



#70
Styrene
Concen: 55.986 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:104 Resp: 1019893
Ion Ratio Lower Upper
104 100
78 48.3 38.4 57.6
103 55.2 44.1 66.1





#71

Bromoform

Concen: 47.905 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

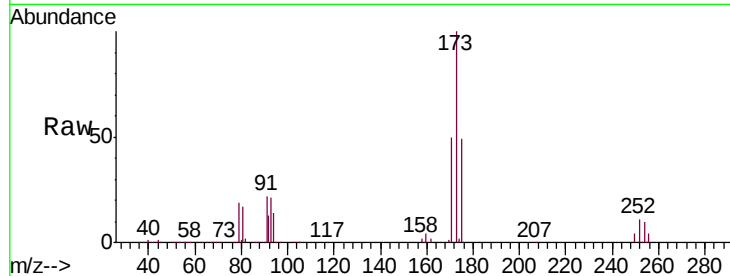
Tgt Ion:173 Resp: 151638

Ion Ratio Lower Upper

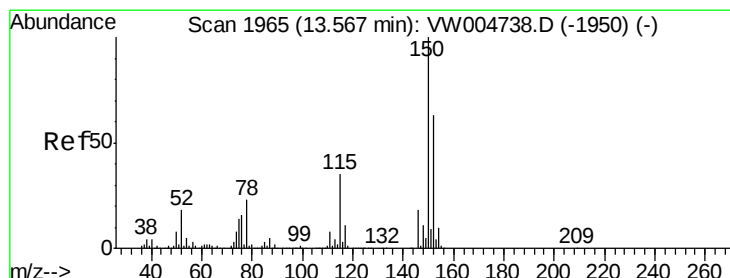
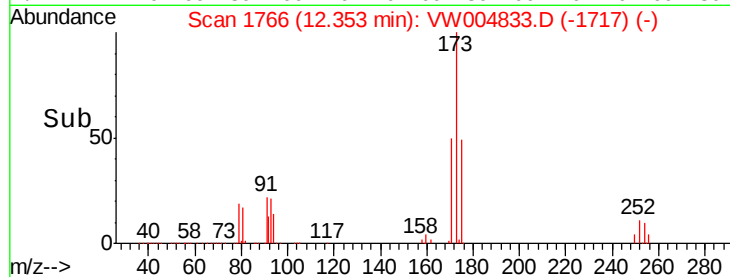
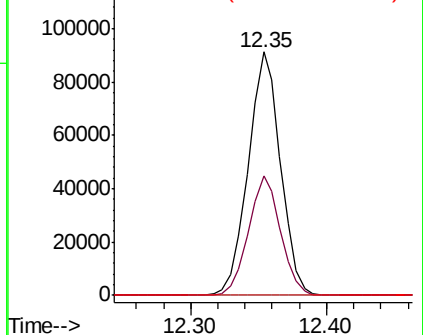
173 100

175 48.5 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

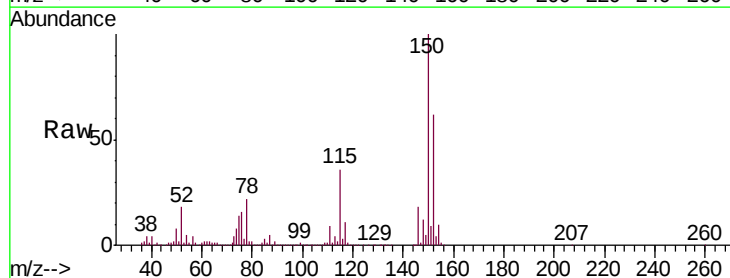
Tgt Ion:152 Resp: 438730

Ion Ratio Lower Upper

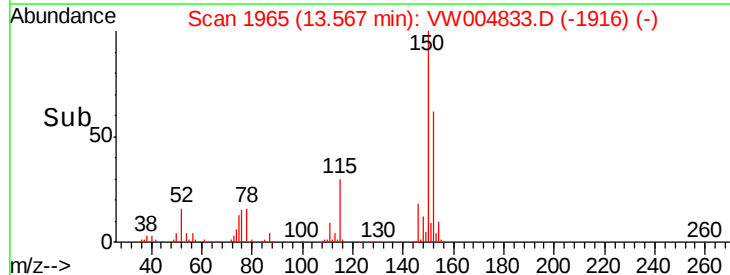
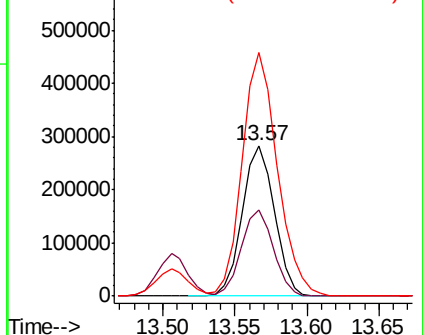
152 100

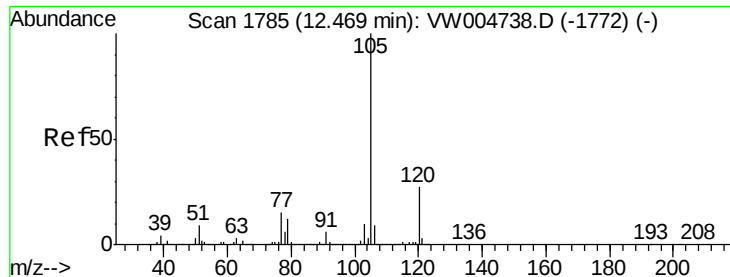
115 57.0 28.5 85.5

150 176.5 0.0 344.8



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





#73

Isopropylbenzene

Concen: 57.889 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

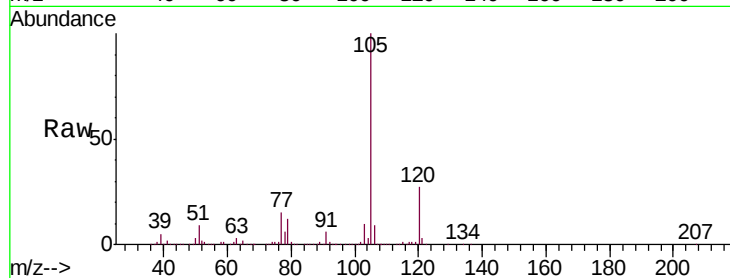
VSTDCCC050

Tgt Ion:105 Resp: 1727839

Ion Ratio Lower Upper

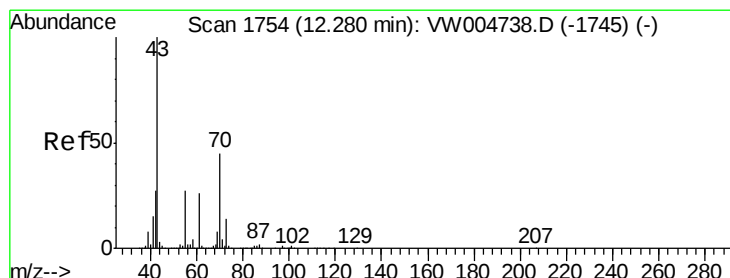
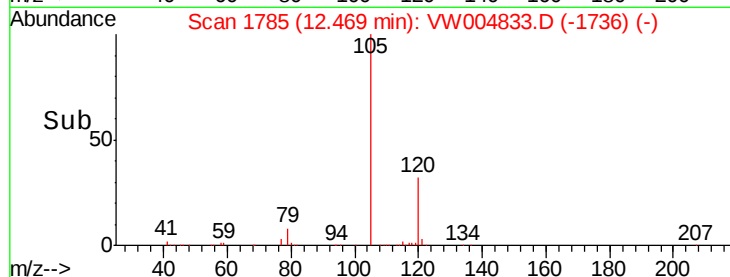
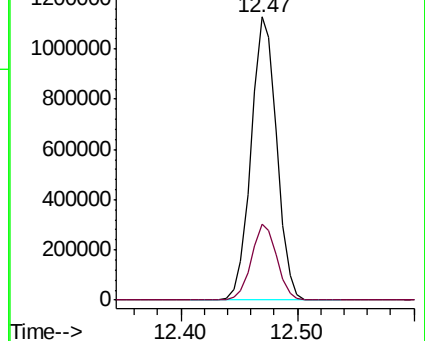
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.606 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion: 43 Resp: 293318

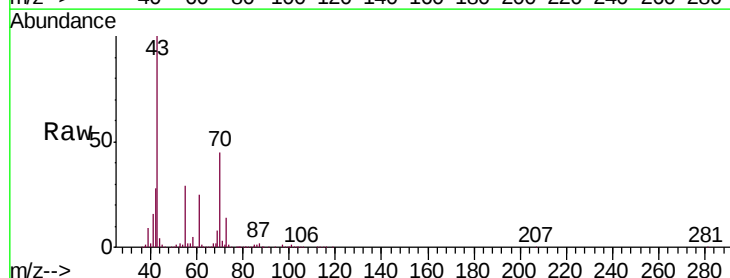
Ion Ratio Lower Upper

43 100

70 46.1 36.3 54.5

55 29.6 22.6 33.8

61 25.2 20.2 30.4

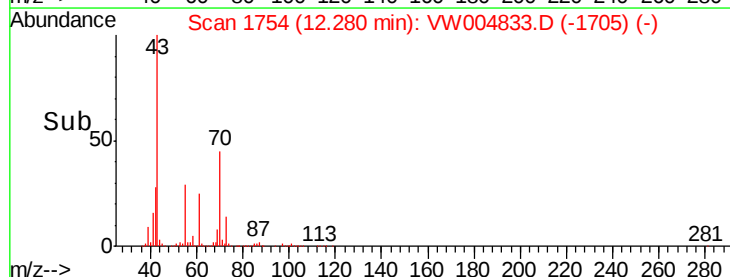
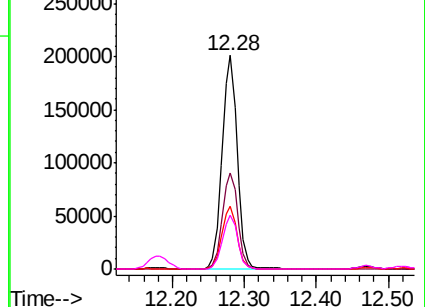


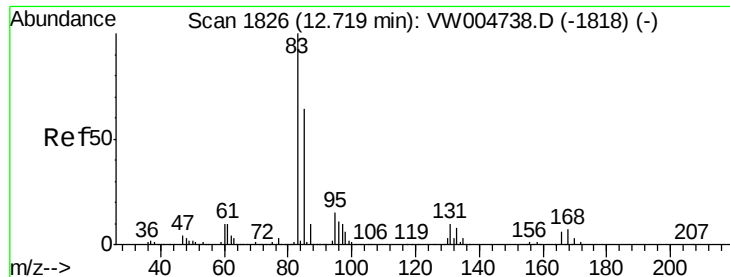
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 47.433 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

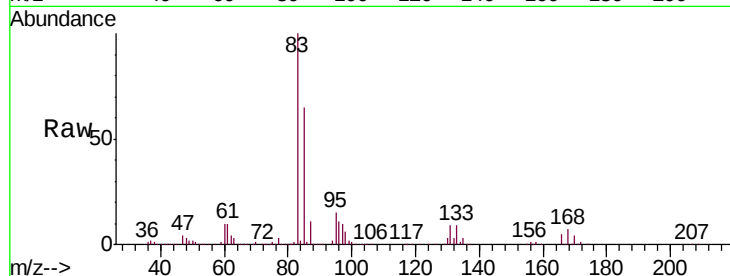
Tgt Ion: 83 Resp: 262263

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

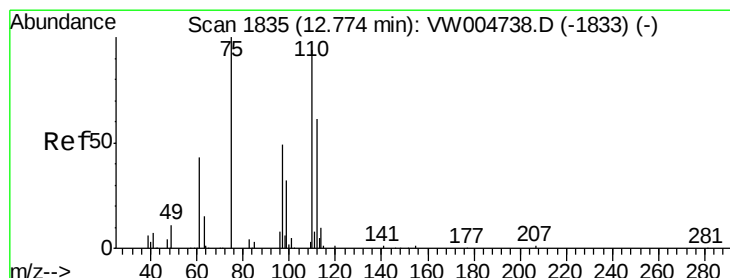
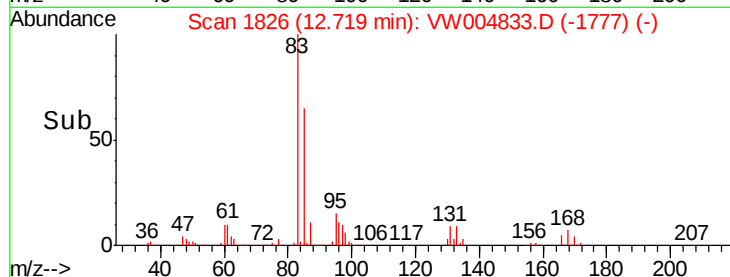
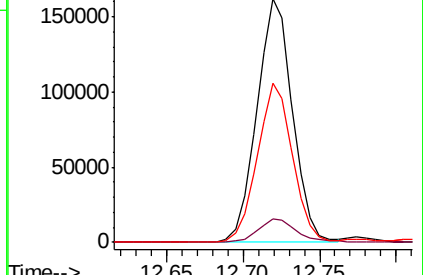
85 64.6 31.9 95.9



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: 88.466 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004833.D

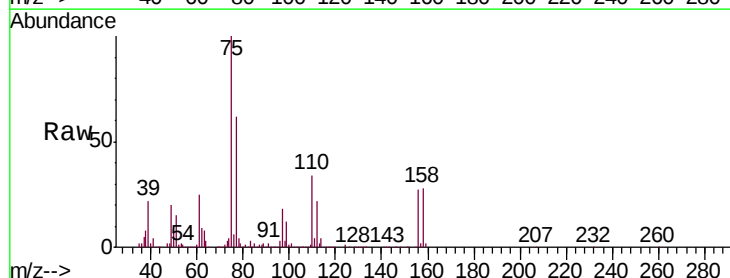
Acq: 21 Aug 2018 11:26

Tgt Ion: 75 Resp: 342144

Ion Ratio Lower Upper

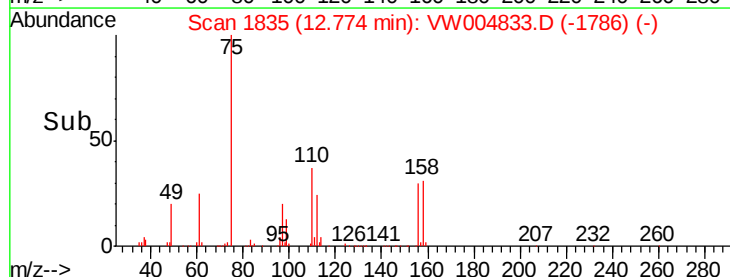
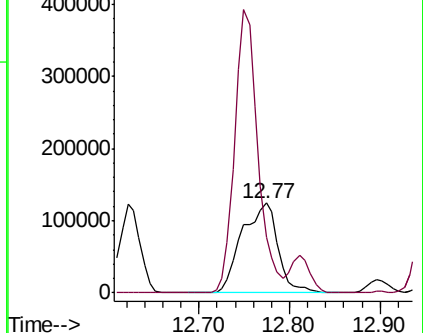
75 100

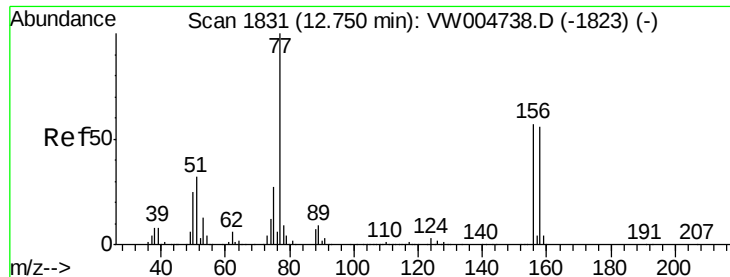
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

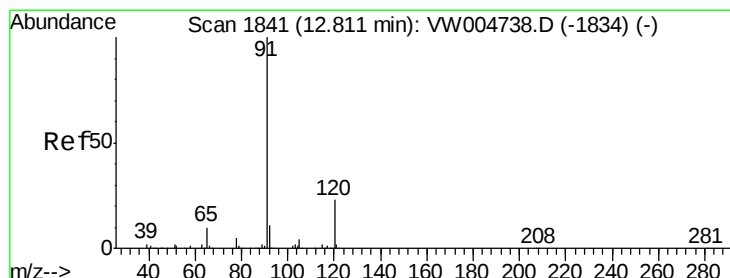
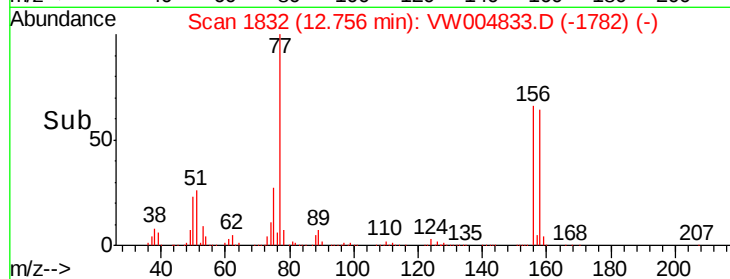
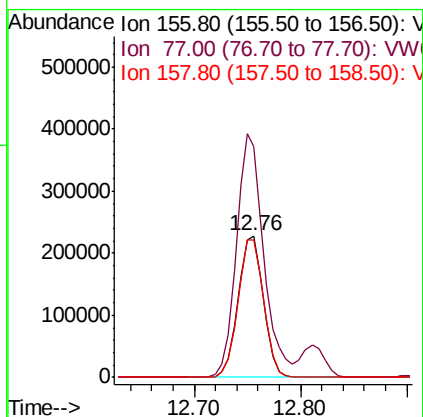
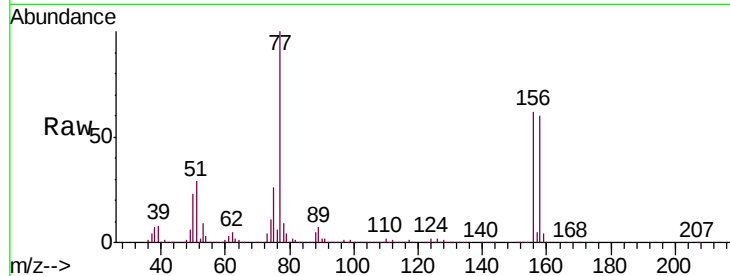




#77
Bromobenzene
Concen: 52.468 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

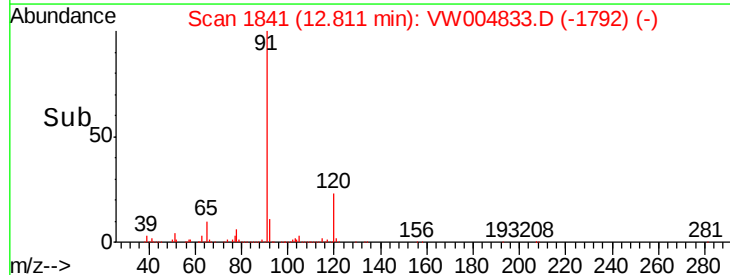
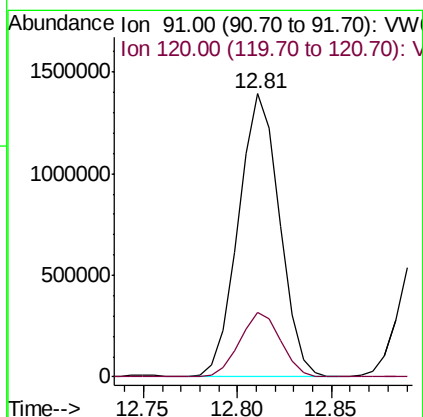
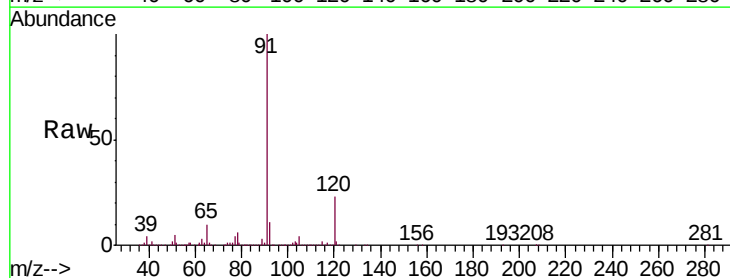
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

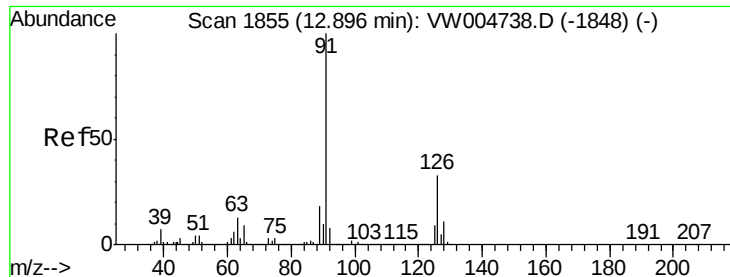
Tgt Ion:156 Resp: 379057
Ion Ratio Lower Upper
156 100
77 185.3 94.2 282.4
158 98.6 48.6 145.9



#78
n-propylbenzene
Concen: 58.038 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 91 Resp: 2113854
Ion Ratio Lower Upper
91 100
120 22.8 11.4 34.2





#79

2-Chlorotoluene

Concen: 55.610 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

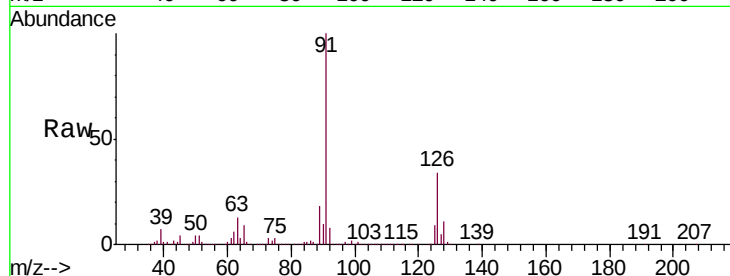
VSTDCCC050

Tgt Ion: 91 Resp: 1167466

Ion Ratio Lower Upper

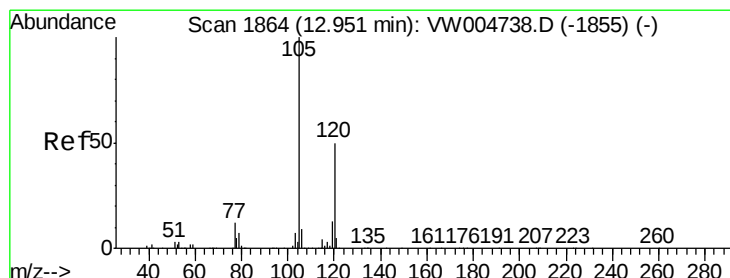
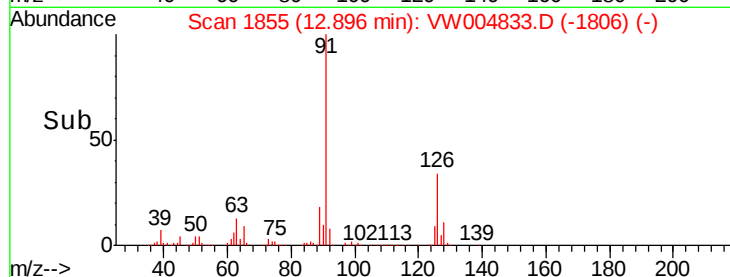
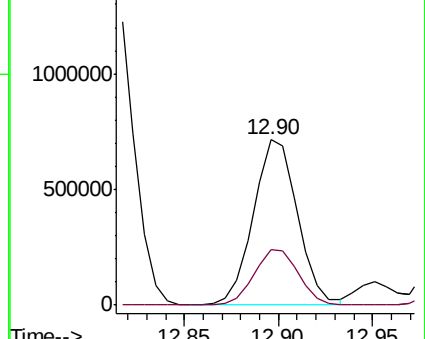
91 100

126 33.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.712 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004833.D

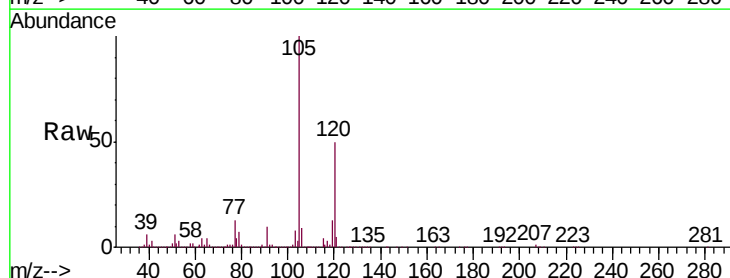
Acq: 21 Aug 2018 11:26

Tgt Ion: 105 Resp: 1463399

Ion Ratio Lower Upper

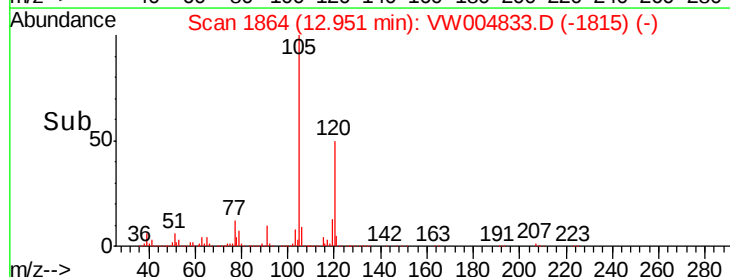
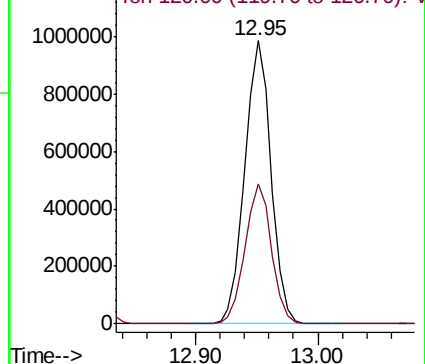
105 100

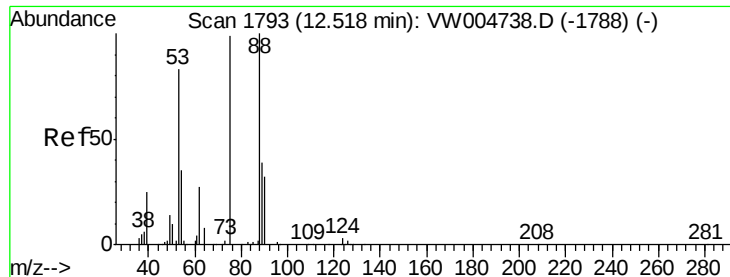
120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.012 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

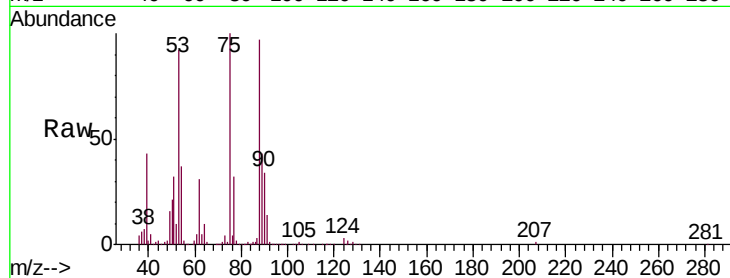
Tgt Ion: 75 Resp: 79891

Ion Ratio Lower Upper

75 100

53 92.1 72.2 108.4

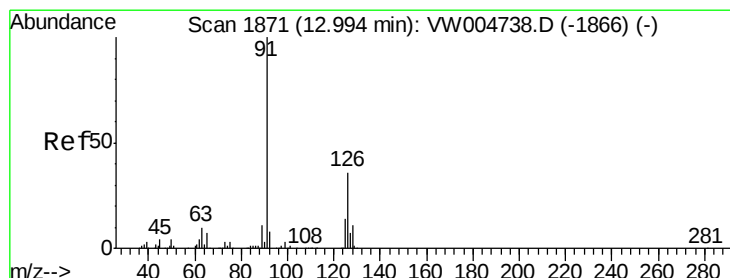
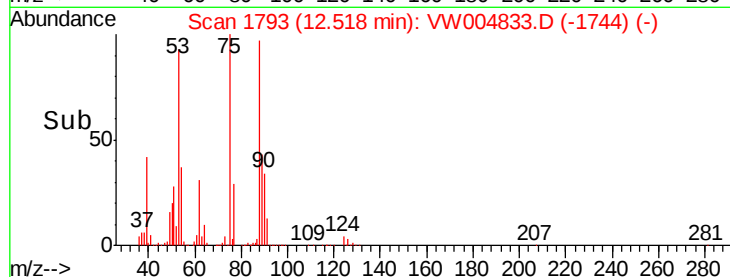
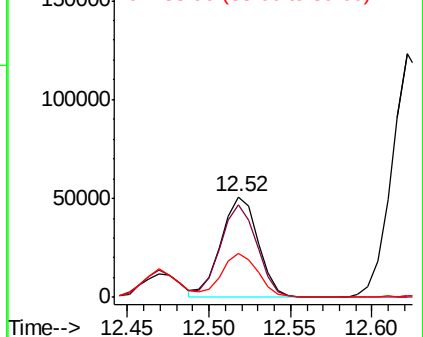
89 43.3 35.2 52.8



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: 53.659 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004833.D

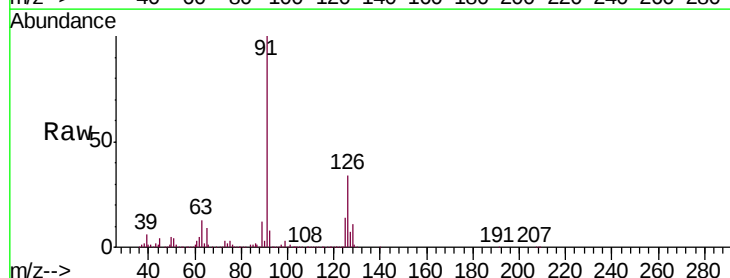
Acq: 21 Aug 2018 11:26

Tgt Ion: 91 Resp: 1196914

Ion Ratio Lower Upper

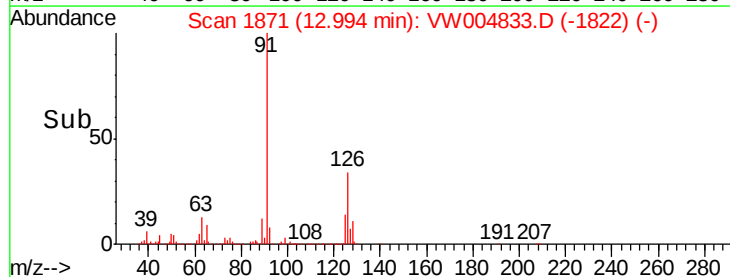
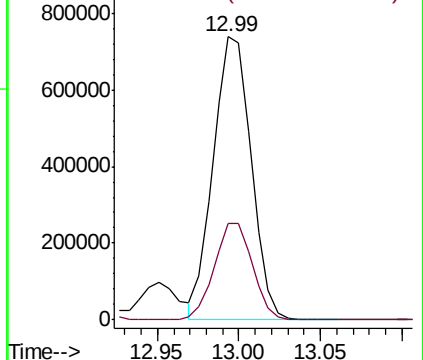
91 100

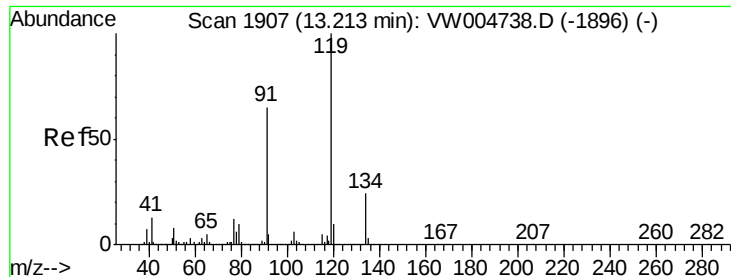
126 34.6 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 57.672 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

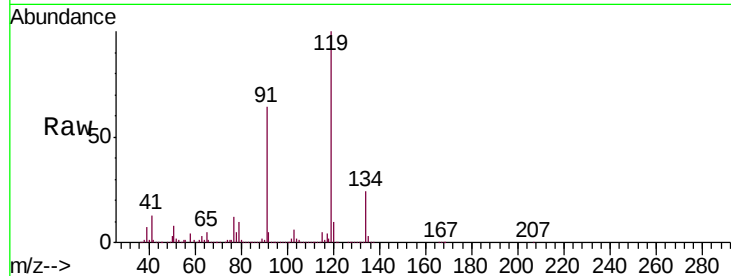
Tgt Ion:119 Resp: 1250843

Ion Ratio Lower Upper

119 100

91 64.6 32.6 97.8

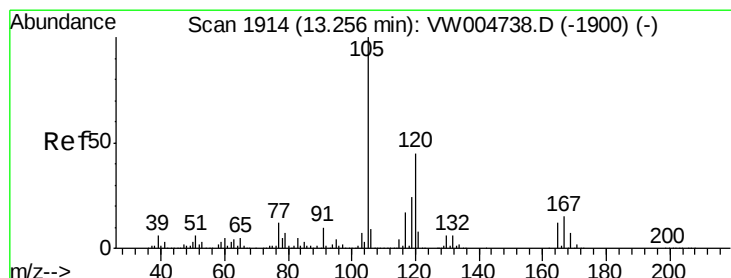
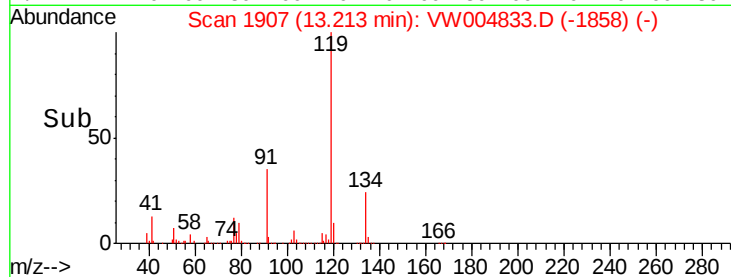
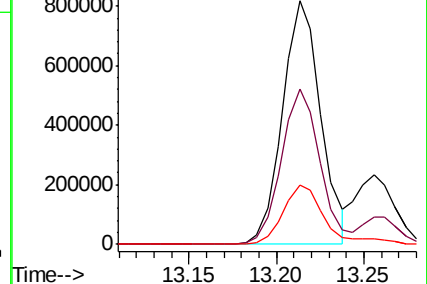
134 26.6 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.682 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004833.D

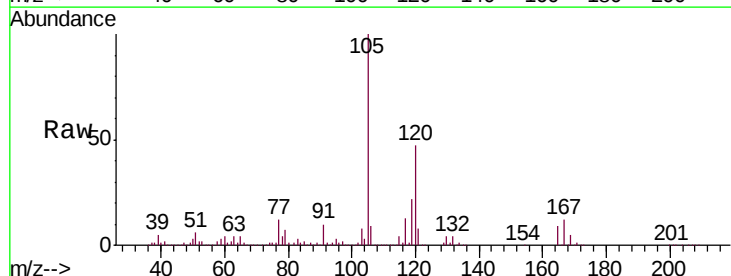
Acq: 21 Aug 2018 11:26

Tgt Ion:105 Resp: 1478728

Ion Ratio Lower Upper

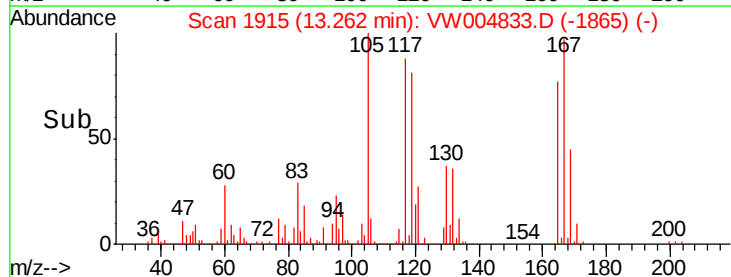
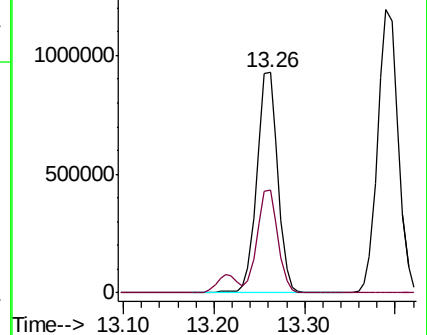
105 100

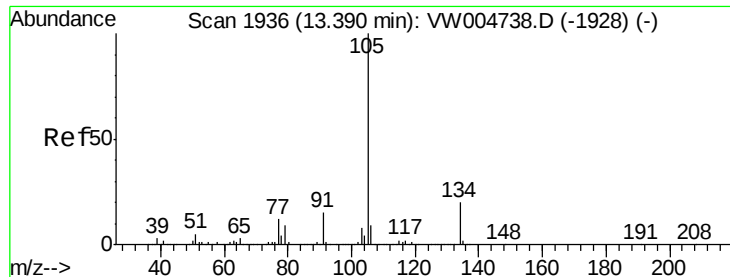
120 46.0 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

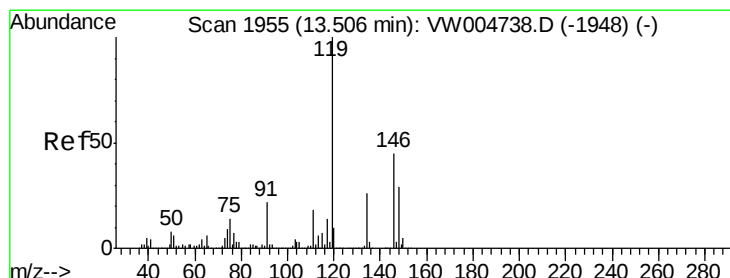
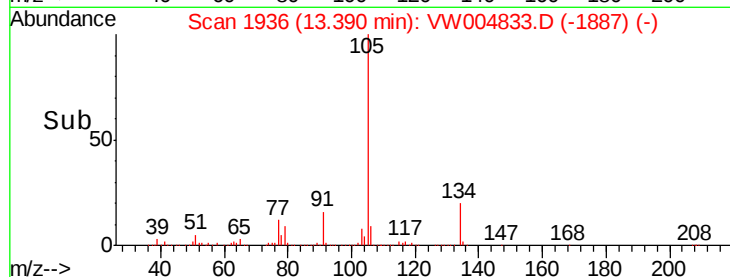
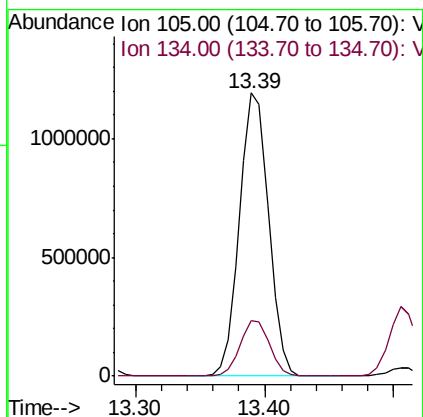
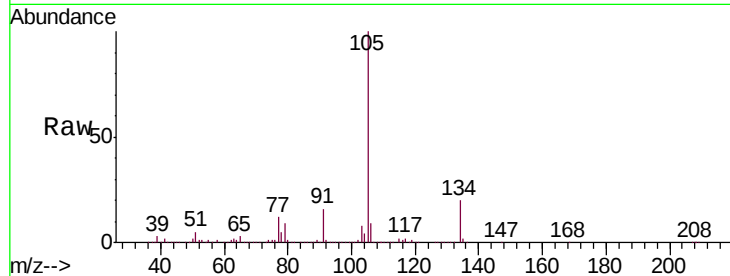




#85
 sec-Butylbenzene
 Concen: 57.616 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

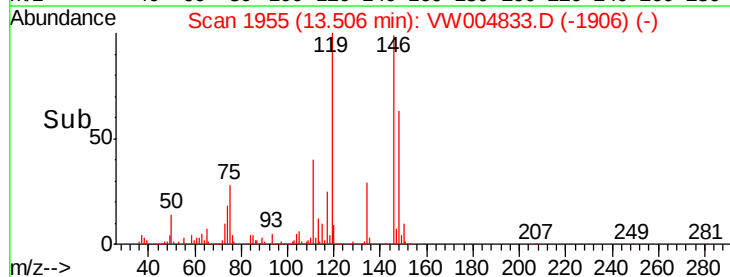
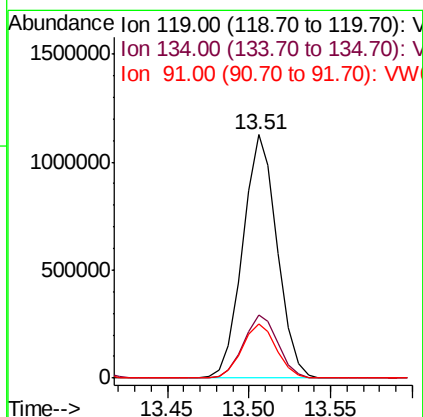
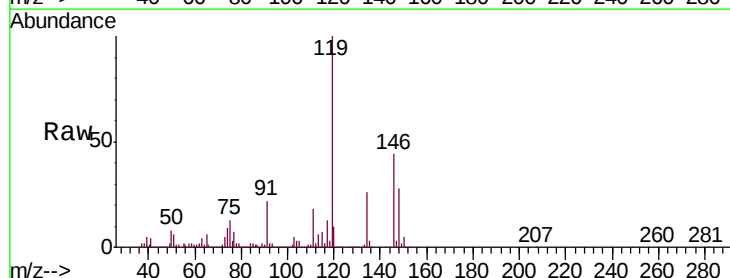
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

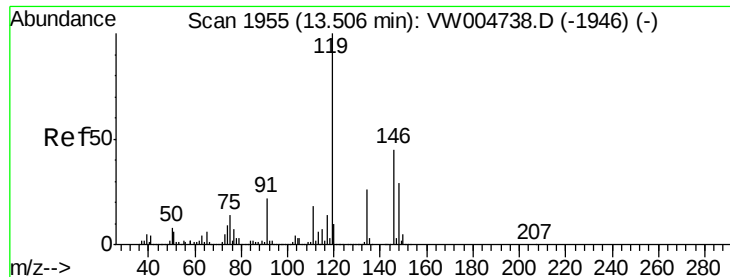
Tgt Ion:105 Resp: 1865695
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 58.344 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion:119 Resp: 1643863
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 53.657 ug/l

RT: 13.51 min Scan# 1955

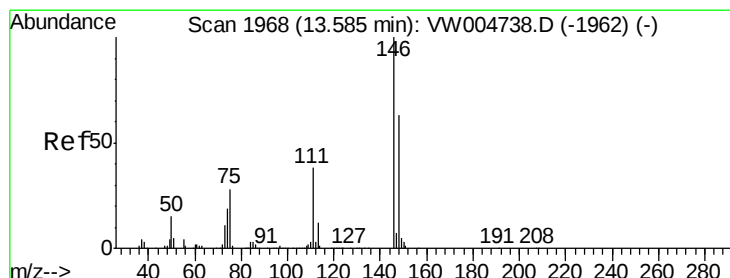
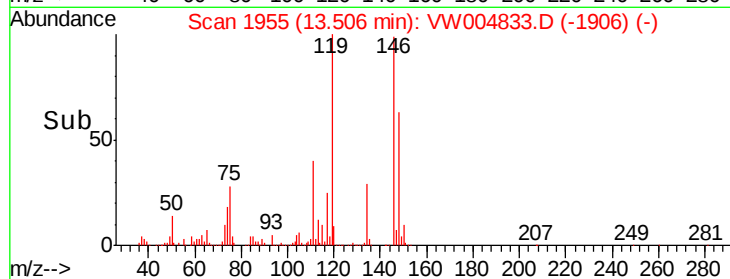
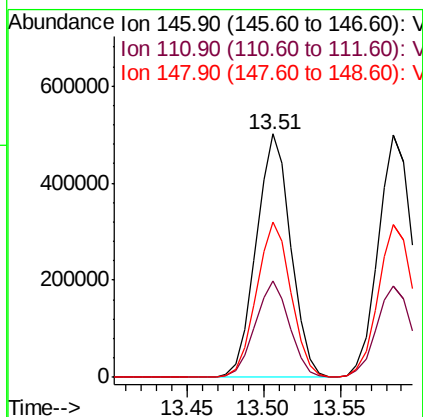
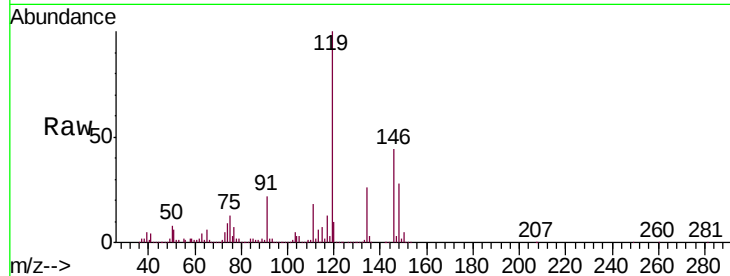
Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	63.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 52.675 ug/l

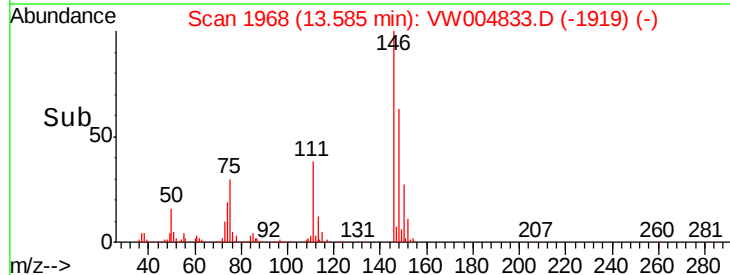
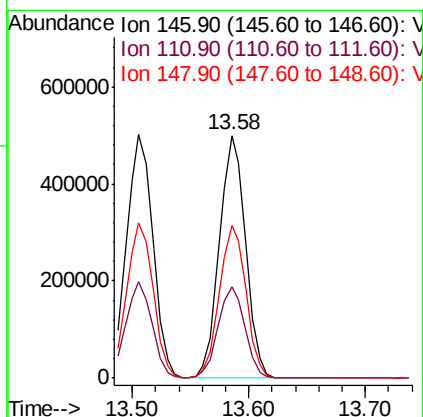
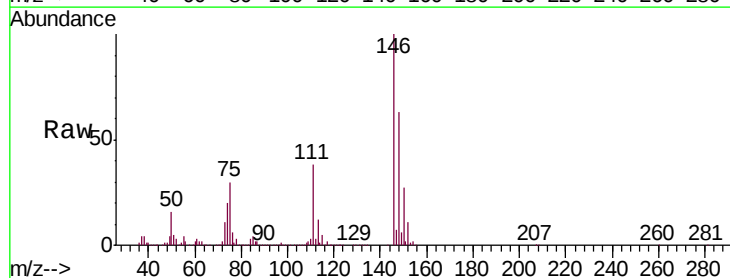
RT: 13.58 min Scan# 1968

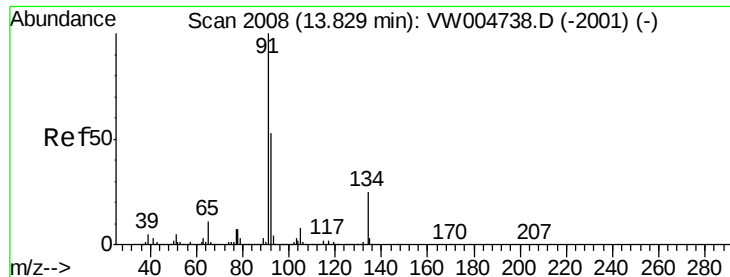
Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	63.9	31.8	95.3





#89

n-Butylbenzene

Concen: 57.549 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

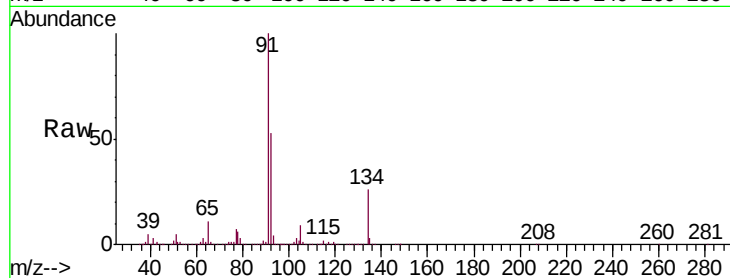
Tgt Ion: 91 Resp: 1567717

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.2

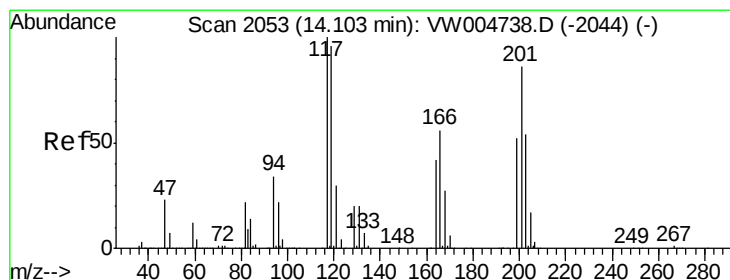
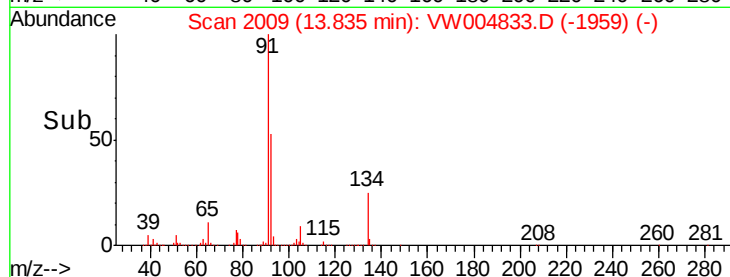
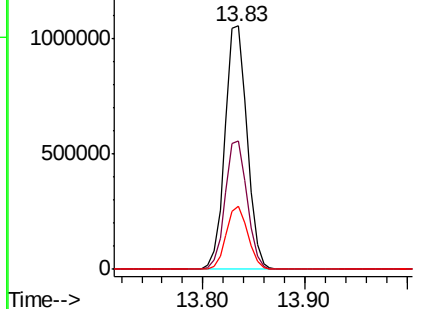
134 25.5 12.8 38.3



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: 54.233 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004833.D

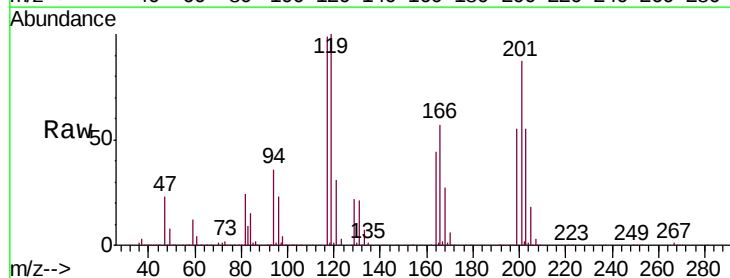
Acq: 21 Aug 2018 11:26

Tgt Ion: 117 Resp: 278522

Ion Ratio Lower Upper

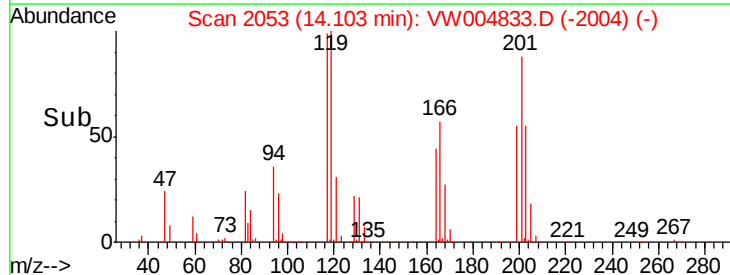
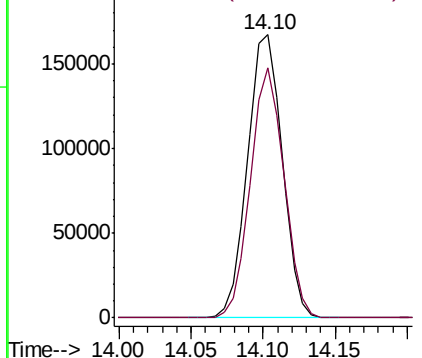
117 100

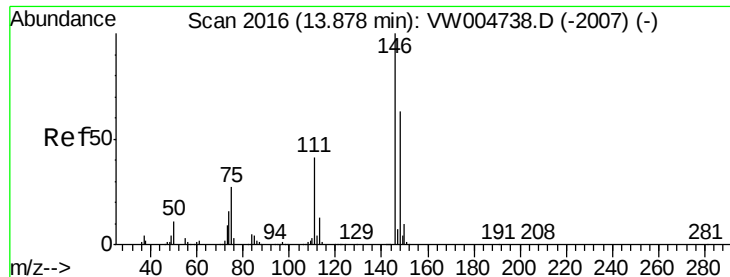
201 85.4 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

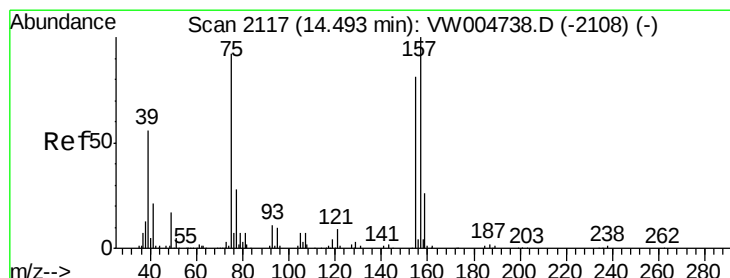
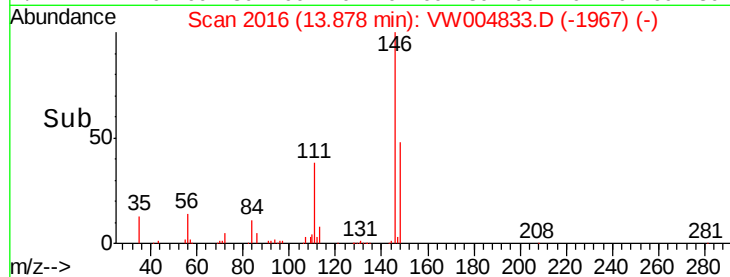
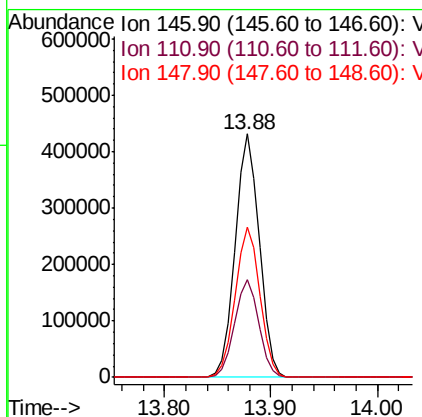
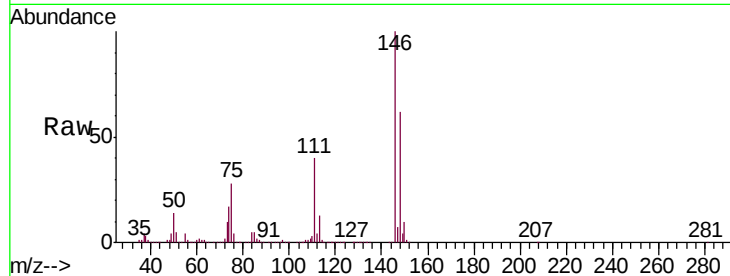




#91
 1,2-Dichlorobenzene
 Concen: 52.074 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

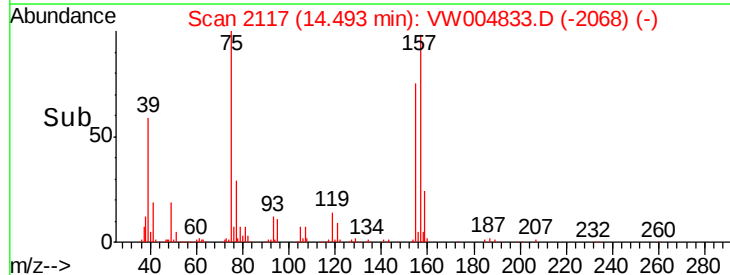
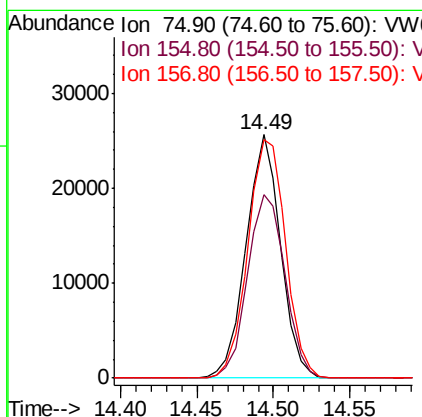
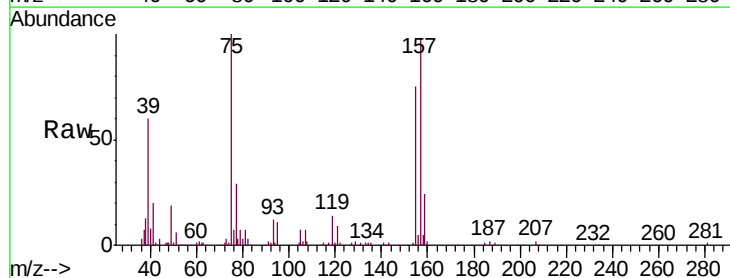
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

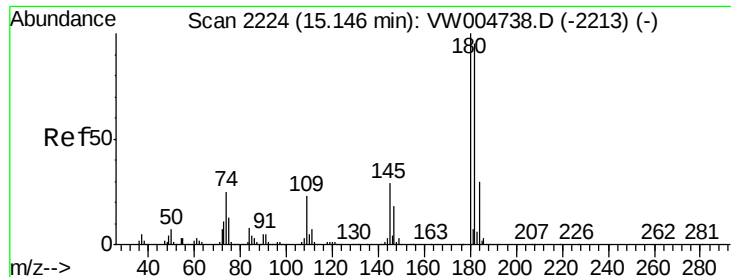
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.1	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.511 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	43.3	129.9
157	107.3	54.5	163.6

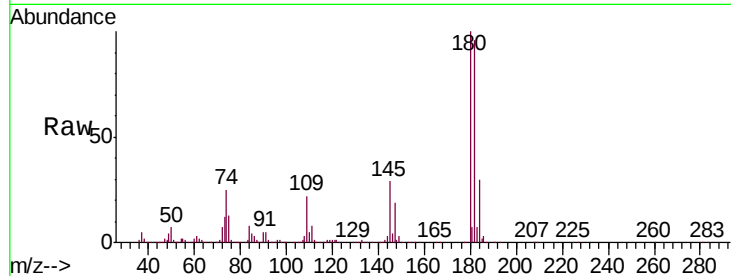




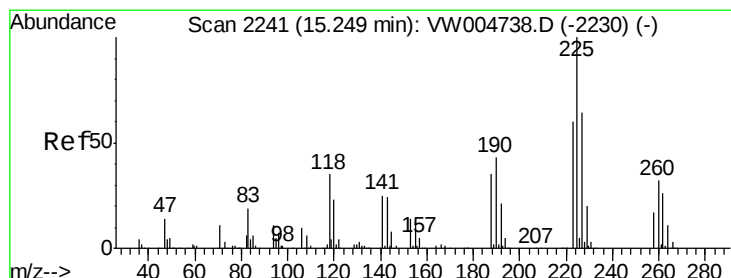
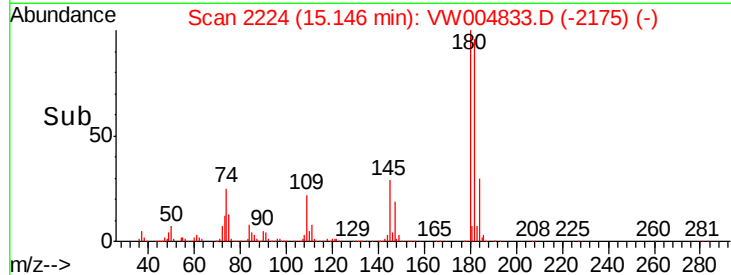
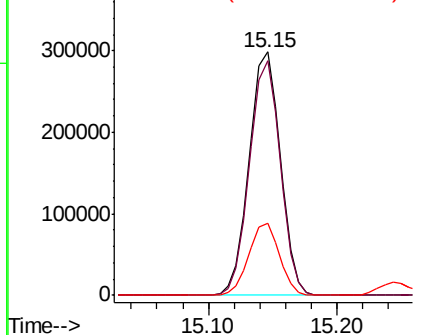
#93
 1,2,4-Trichlorobenzene
 Concen: 53.331 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	29.2	14.6	43.8

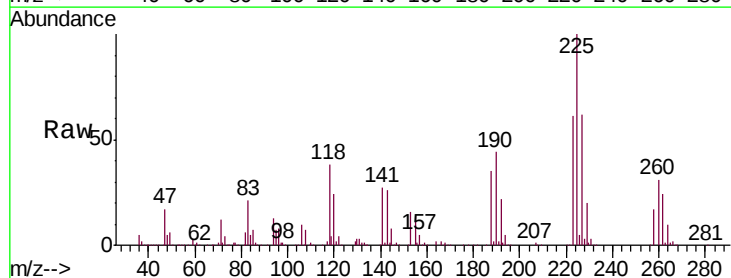


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

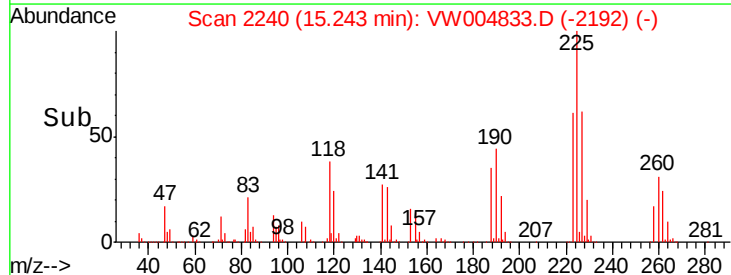
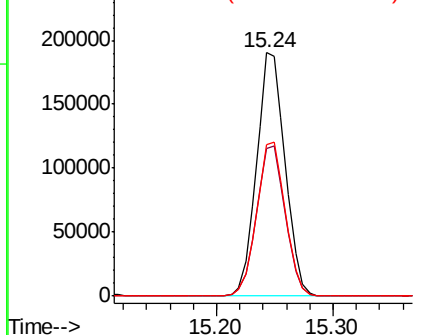


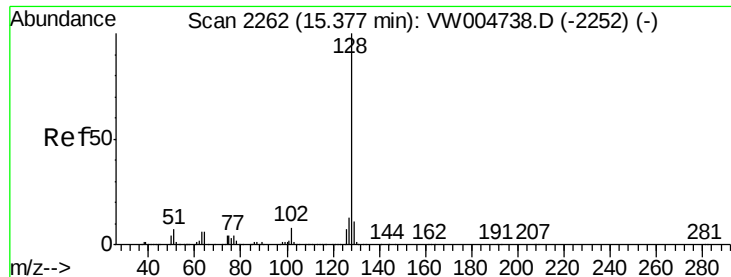
#94
 Hexachlorobutadiene
 Concen: 56.231 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.5
227	63.5	32.0	96.0



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

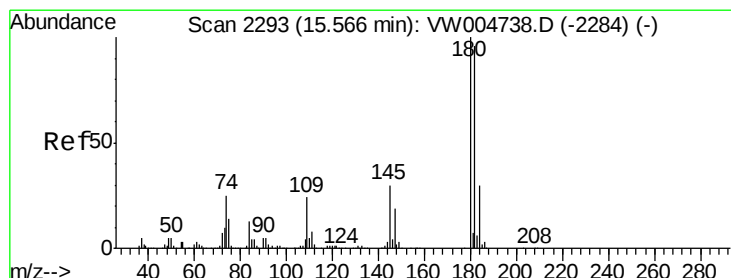
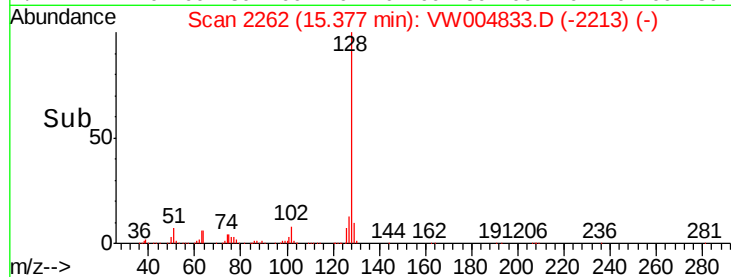
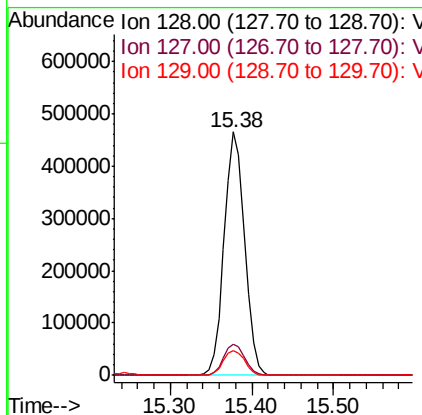
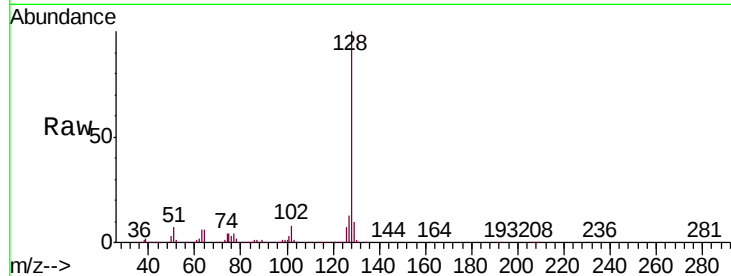




#95
Naphthalene
Concen: 44.900 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 805208
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.768 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:180 Resp: 428565
Ion Ratio Lower Upper
180 100
182 96.4 47.3 142.0
145 31.9 15.4 46.1

