

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW005000.D
 Acq On : 29 Aug 2018 13:27
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 30 01:22:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	520682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	733785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	724506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	408647	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	168818	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.89	113	174694	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.33	98	984272	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	349601	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	205839	45.760	ug/l	100
3) Chloromethane	2.22	50	296790	46.458	ug/l	100
4) Vinyl Chloride	2.36	62	298653	46.834	ug/l	100
5) Bromomethane	2.78	94	189290	45.412	ug/l	100
6) Chloroethane	2.92	64	177211	46.996	ug/l	100
7) Trichlorofluoromethane	3.26	101	323919	49.128	ug/l	100
8) Diethyl Ether	3.69	74	89376	47.674	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	198805	48.852	ug/l	100
10) Methyl Iodide	4.28	142	309901	55.678	ug/l	100
11) Tert butyl alcohol	5.21	59	54564	256.655	ug/l	100
12) 1,1-Dichloroethene	4.04	96	188454	49.566	ug/l	100
13) Acrolein	3.90	56	74314	244.690	ug/l	100
14) Allyl chloride	4.68	41	291891	49.857	ug/l	100
15) Acrylonitrile	5.39	53	234128	244.891	ug/l	100
16) Acetone	4.15	43	186880	232.669	ug/l	100
17) Carbon Disulfide	4.39	76	784550	49.091	ug/l	100
18) Methyl Acetate	4.69	43	92188	47.385	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	418468	51.217	ug/l	100
20) Methylene Chloride	4.92	84	285021	42.113	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	203453	49.282	ug/l	100
22) Diisopropyl ether	6.32	45	639884	53.540	ug/l	100
23) Vinyl Acetate	6.26	43	1615373	264.364	ug/l	100
24) 1,1-Dichloroethane	6.22	63	357501	49.439	ug/l	100
25) 2-Butanone	7.18	43	306371	244.603	ug/l	100
26) 2,2-Dichloropropane	7.18	77	307753	48.488	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	218195	48.585	ug/l	100
28) Bromochloromethane	7.52	49	161766	50.875	ug/l	100
29) Tetrahydrofuran	7.54	42	154818	244.683	ug/l	100
30) Chloroform	7.68	83	344833	48.482	ug/l	100
31) Cyclohexane	7.96	56	397648	51.885	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	331605	50.670	ug/l	100
36) 1,1-Dichloropropene	8.09	75	332229	53.435	ug/l	100
37) Ethyl Acetate	7.26	43	110512	49.313	ug/l	100
38) Carbon Tetrachloride	8.07	117	301110	50.043	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	447072	52.162	ug/l	100
40) Benzene	8.33	78	1041408	52.328	ug/l	100
41) Methacrylonitrile	7.49	41	62972	48.218	ug/l	100
42) 1,2-Dichloroethane	8.41	62	213194	48.142	ug/l	100
43) Isopropyl Acetate	8.43	43	224169	50.271	ug/l	100
44) Trichloroethene	9.10	130	264301	51.994	ug/l	100
45) 1,2-Dichloropropane	9.37	63	238895	52.465	ug/l	100
46) Dibromomethane	9.46	93	103442	47.998	ug/l	100
47) Bromodichloromethane	9.65	83	263578	49.497	ug/l	100
48) Methyl methacrylate	9.44	41	127910	54.024	ug/l	100
49) 1,4-Dioxane	9.48	88	45582	1019.214	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	849949	254.491	ug/l	100
52) Toluene	10.40	92	738430	50.012	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	297546	52.319	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	351188	52.955	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	174350	49.426	ug/l	100
56) Ethyl methacrylate	10.65	69	240013	51.873	ug/l	100
57) 1,3-Dichloropropane	10.94	76	297592	51.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	533670	267.722	ug/l	100
59) 2-Hexanone	10.98	43	615511	254.540	ug/l	100
60) Dibromochloromethane	11.13	129	200822	51.873	ug/l	100
61) 1,2-Dibromoethane	11.24	107	168425	50.929	ug/l	100
64) Tetrachloroethene	10.87	164	275351	52.127	ug/l	100
65) Chlorobenzene	11.66	112	803171	50.457	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	231478	52.946	ug/l	100
67) Ethyl Benzene	11.74	91	1423591	52.231	ug/l	100
68) m/p-Xylenes	11.85	106	1165701	104.859	ug/l	100
69) o-Xylene	12.17	106	537490	52.913	ug/l	100
70) Styrene	12.19	104	901502	53.500	ug/l	100
71) Bromoform	12.35	173	126622	52.088	ug/l #	100
73) Isopropylbenzene	12.47	105	1444753	53.036	ug/l	100
74) N-amyl acetate	12.28	43	266848	51.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	212040	51.409	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	284912	55.854	ug/l #	100
77) Bromobenzene	12.76	156	341670	51.119	ug/l	100
78) n-propylbenzene	12.81	91	1780552	52.990	ug/l	100
79) 2-Chlorotoluene	12.90	91	1006963	51.886	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1276219	53.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	67864	52.993	ug/l	100
82) 4-Chlorotoluene	12.99	91	1059304	51.230	ug/l	100
83) tert-Butylbenzene	13.21	119	1070371	52.950	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1293867	52.983	ug/l	100
85) sec-Butylbenzene	13.39	105	1571561	52.961	ug/l	100
86) p-Isopropyltoluene	13.51	119	1421245	53.460	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	718455	50.705	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	707440	50.405	ug/l	100
89) n-Butylbenzene	13.84	91	1331027	53.333	ug/l	100
90) Hexachloroethane	14.10	117	216889	51.900	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	631764	50.651	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	35025	49.168	ug/l	100

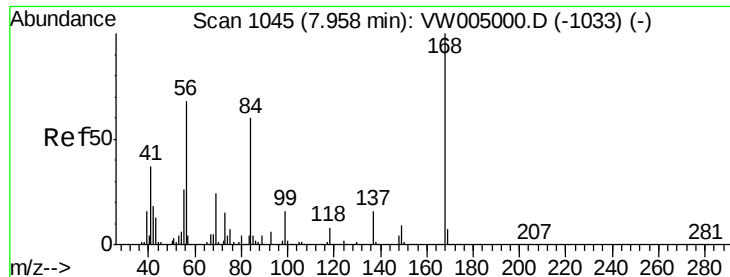
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	452446	51.778	ug/l	100
94) Hexachlorobutadiene	15.25	225	280835	51.343	ug/l	100
95) Naphthalene	15.38	128	757984	52.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	396040	51.304	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

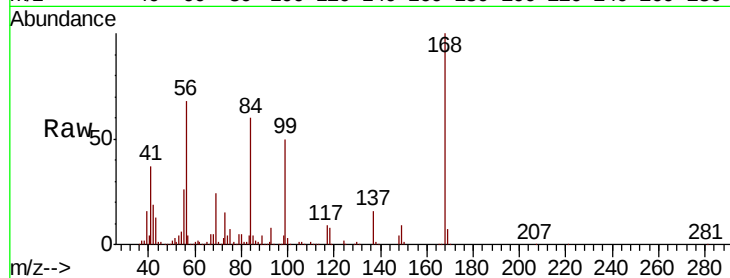
VSTDICCC050

Tgt Ion:168 Resp: 520682

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

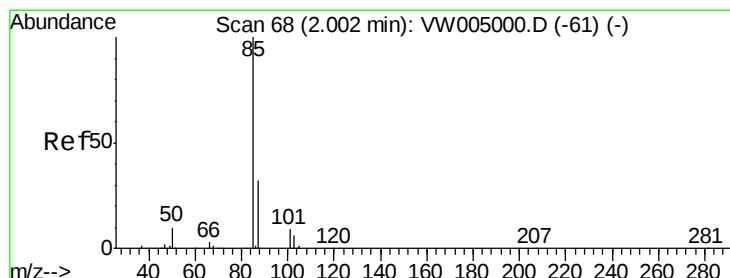
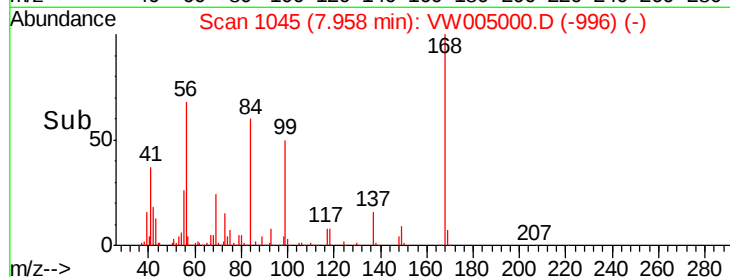
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.760 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW005000.D

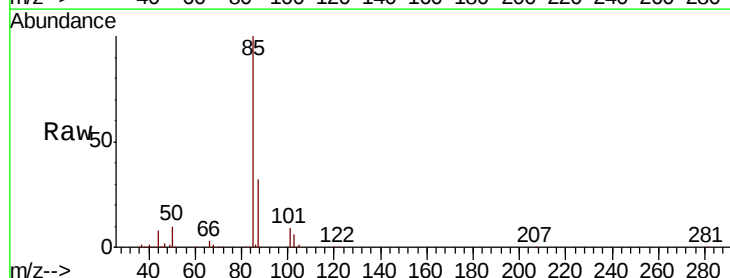
Acq: 29 Aug 2018 13:27

Tgt Ion: 85 Resp: 205839

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

150000

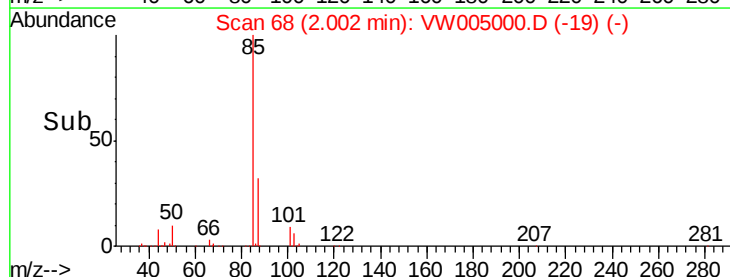
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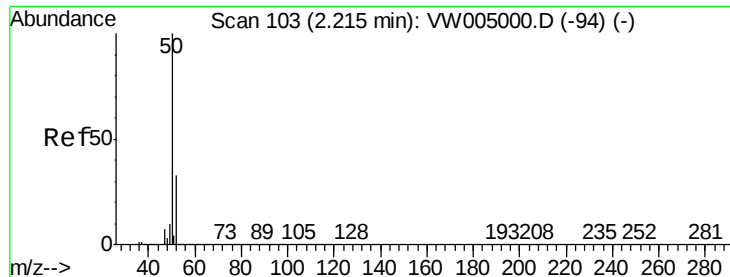
50000

0

1.90 2.00 2.10

Time-->

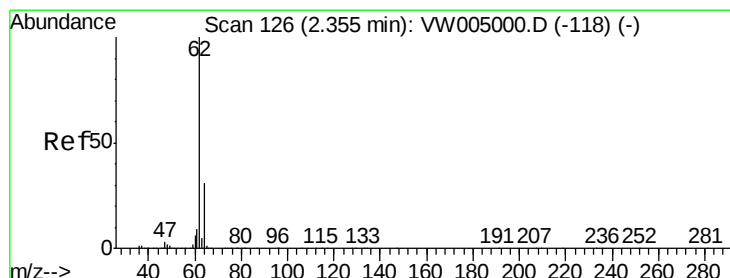
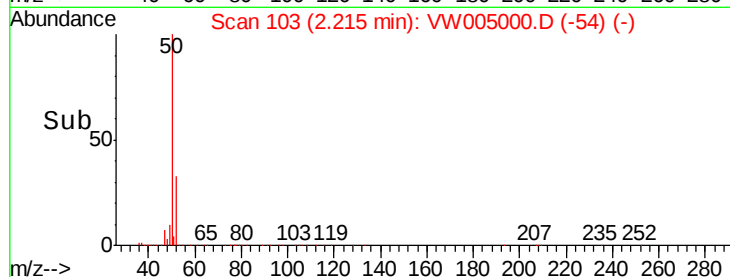
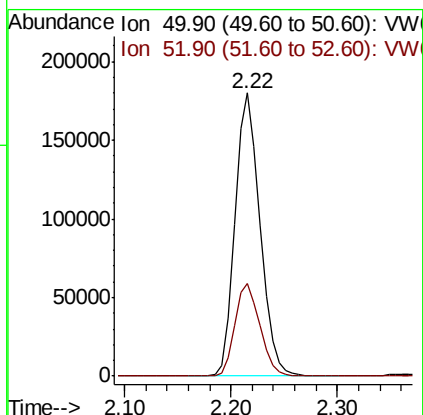
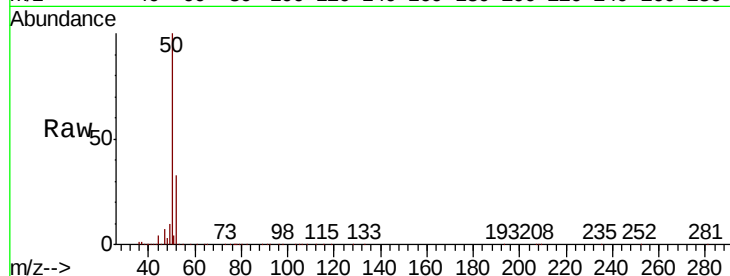




#3
Chloromethane
Concen: 46.458 ug/l
RT: 2.22 min Scan# 103
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

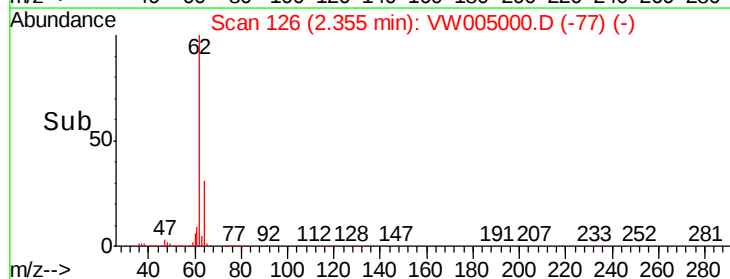
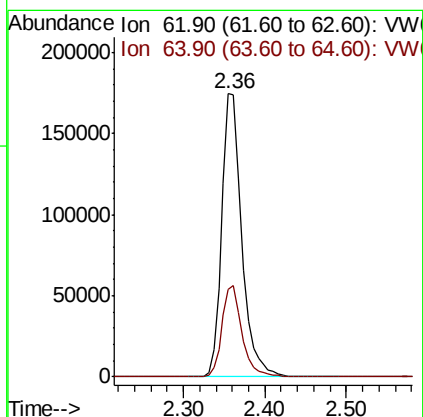
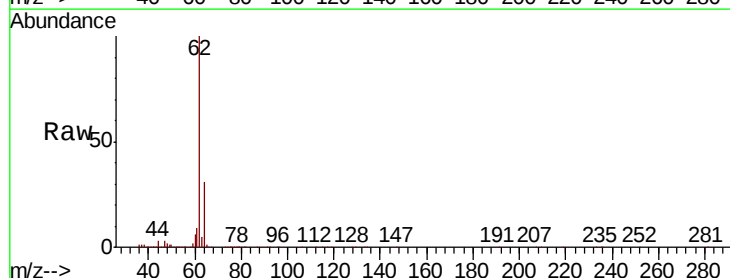
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

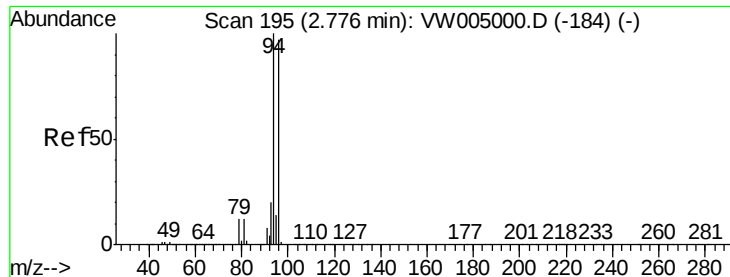
Tgt Ion: 50 Resp: 296790
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1



#4
Vinyl Chloride
Concen: 46.834 ug/l
RT: 2.36 min Scan# 126
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 62 Resp: 298653
Ion Ratio Lower Upper
62 100
64 31.0 24.8 37.2





#5

Bromomethane

Concen: 45.412 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

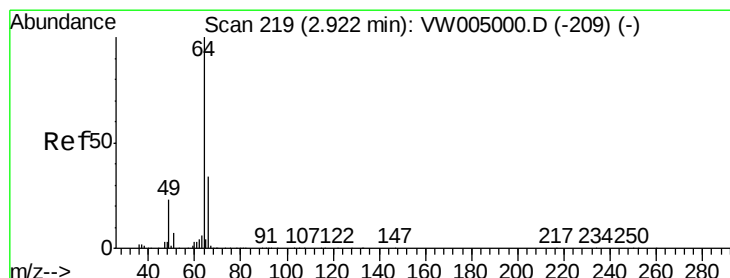
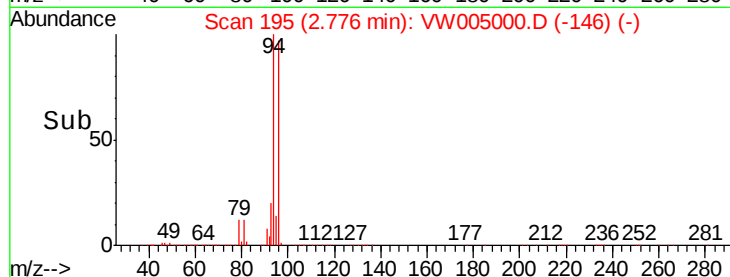
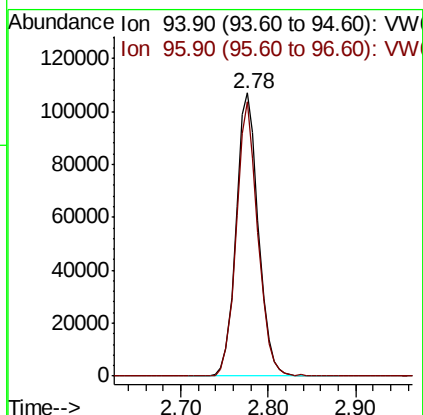
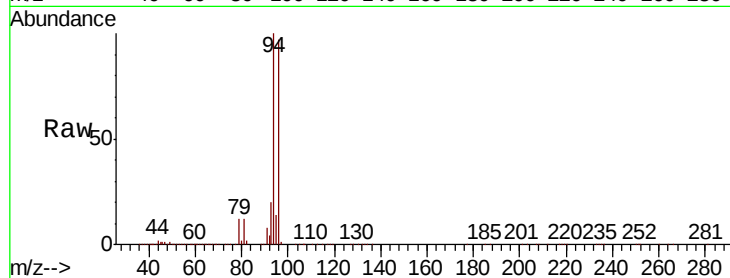
VSTDICCC050

Tgt Ion: 94 Resp: 189290

Ion Ratio Lower Upper

94 100

96 96.9 77.5 116.3



#6

Chloroethane

Concen: 46.996 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW005000.D

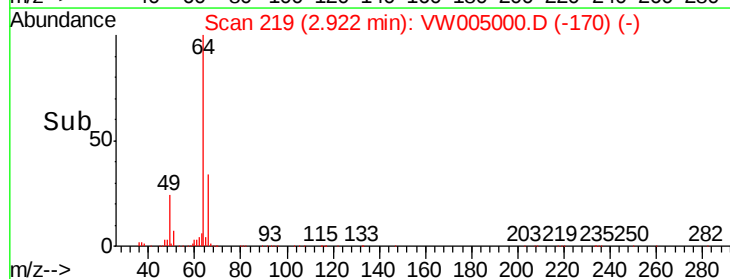
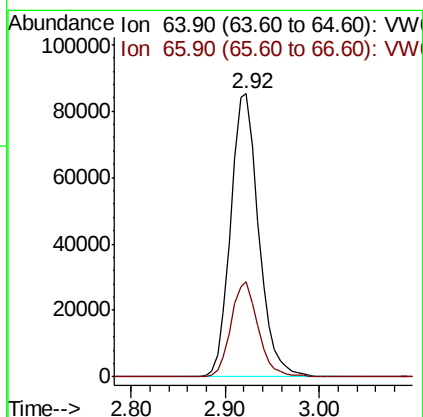
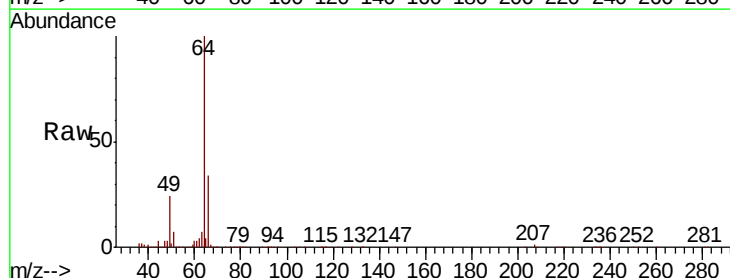
Acq: 29 Aug 2018 13:27

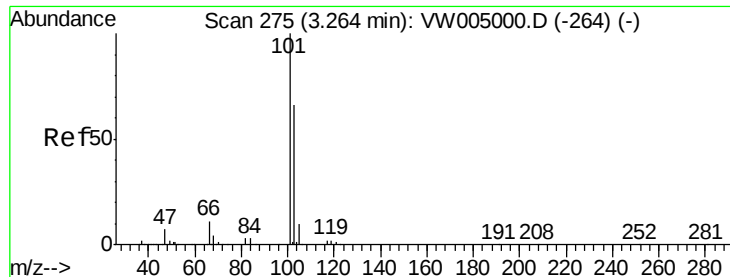
Tgt Ion: 64 Resp: 177211

Ion Ratio Lower Upper

64 100

66 33.5 26.8 40.2



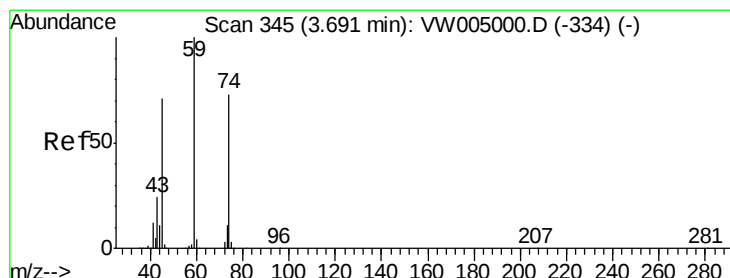
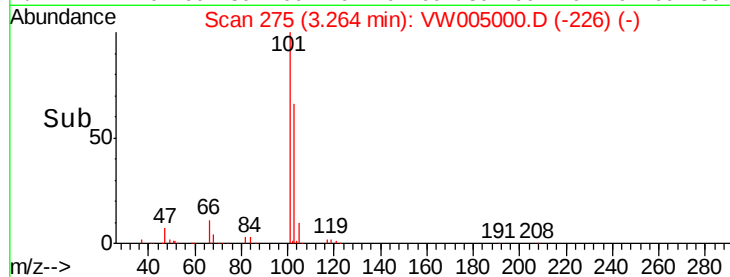
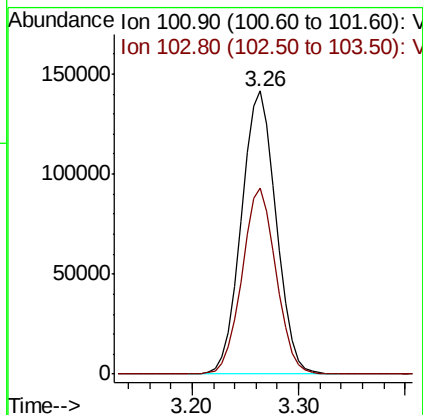
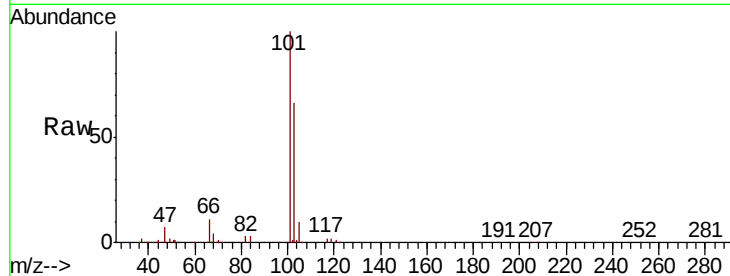


#7

Trichlorofluoromethane
 Concen: 49.128 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
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 VSTDICCC050

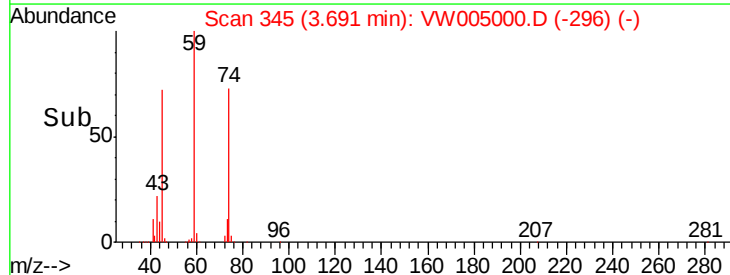
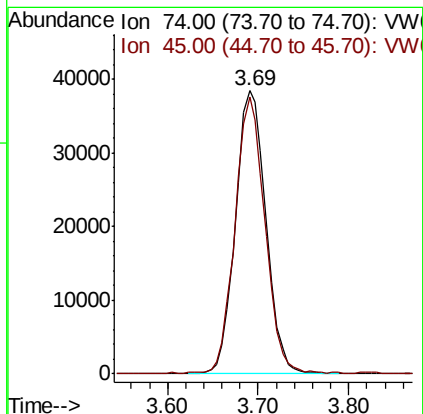
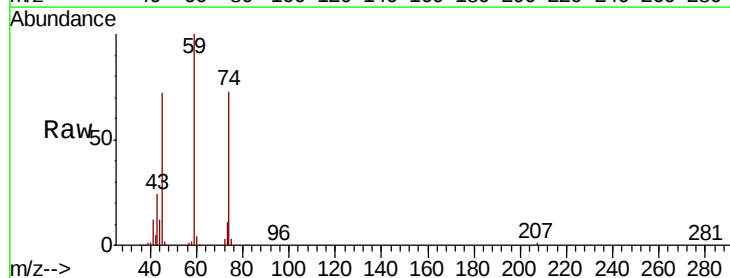
Tgt Ion: 101 Resp: 323919
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

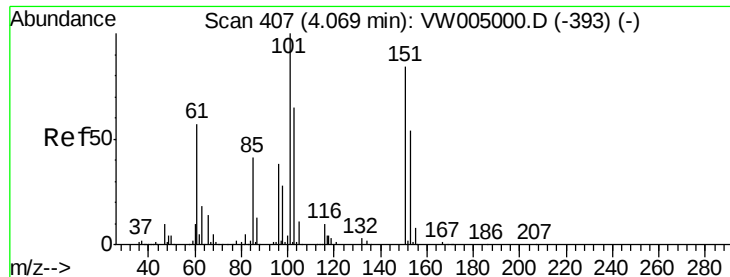


#8

Diethyl Ether
 Concen: 47.674 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 74 Resp: 89376
 Ion Ratio Lower Upper
 74 100
 45 95.5 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.852 ug/l

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

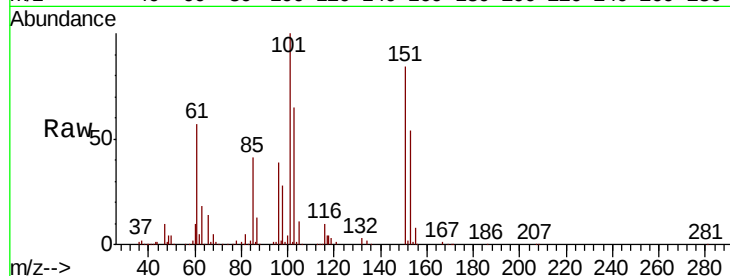
Tgt Ion:101 Resp: 198805

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

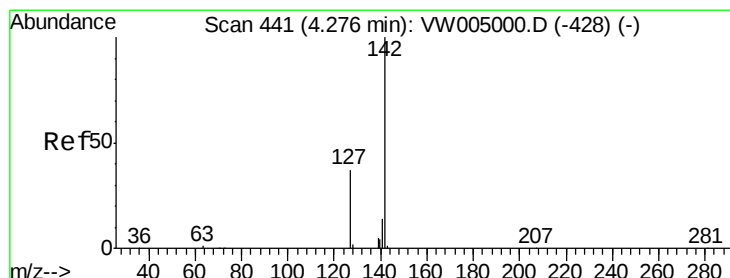
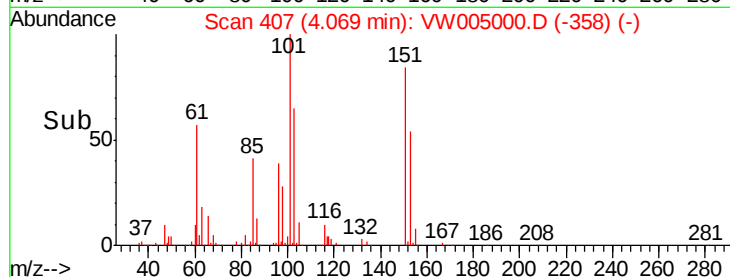
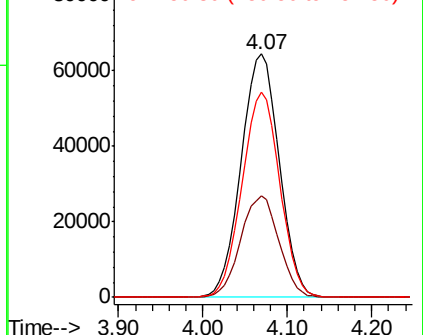
151 83.7 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.678 ug/l

RT: 4.28 min Scan# 441

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

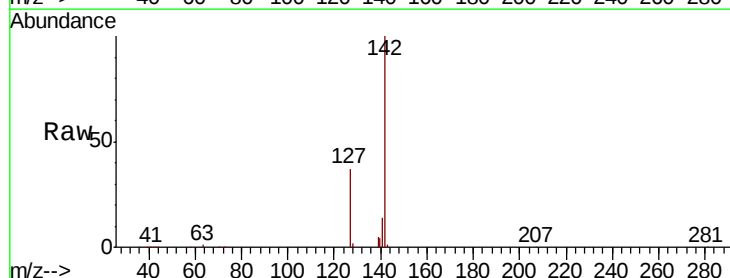
Tgt Ion:142 Resp: 309901

Ion Ratio Lower Upper

142 100

127 38.9 31.1 46.7

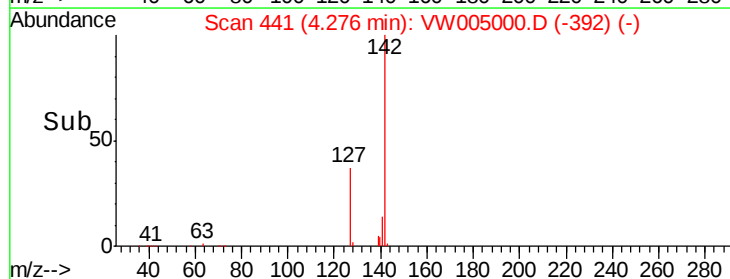
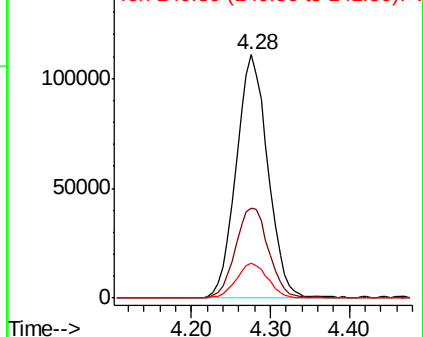
141 14.3 11.4 17.2

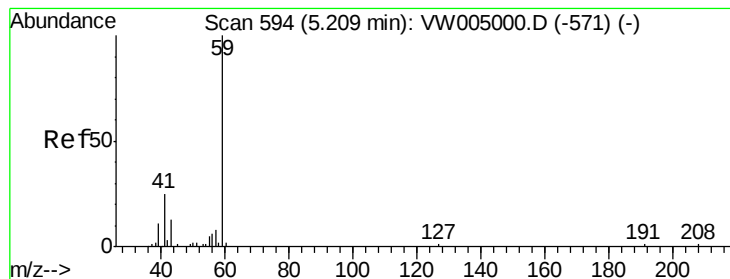


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



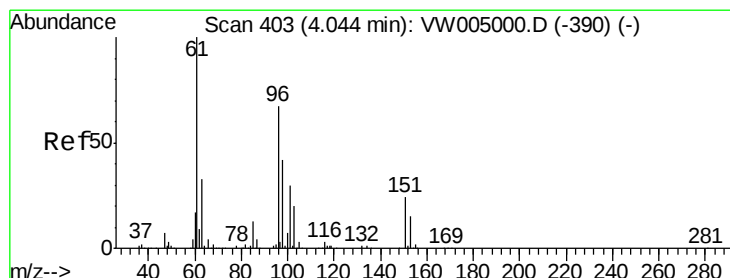
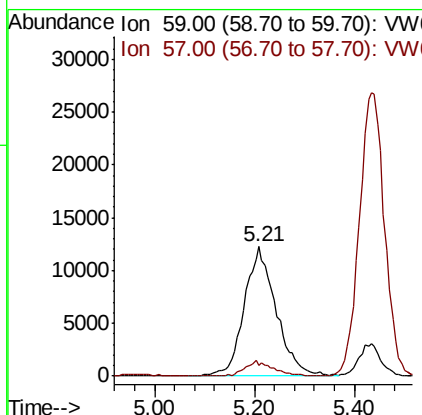
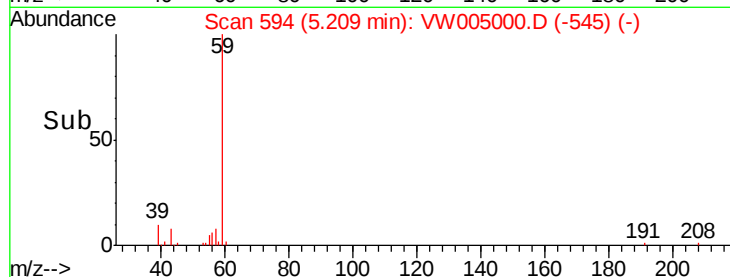
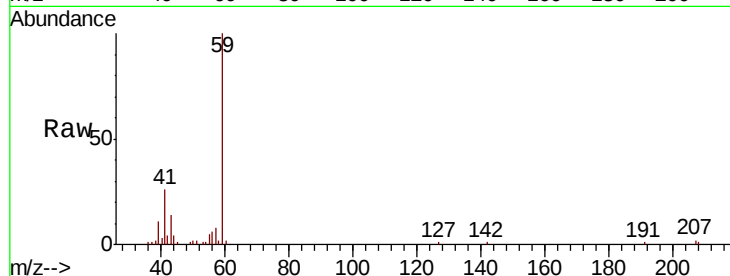


#11

Tert butyl alcohol
 Concen: 256.655 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

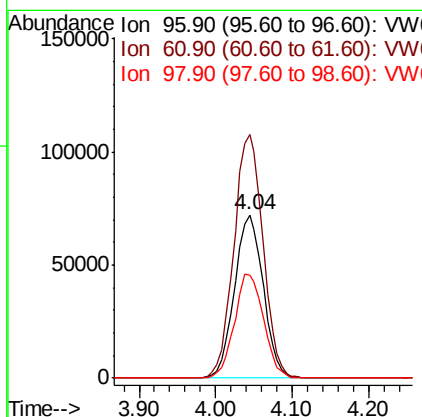
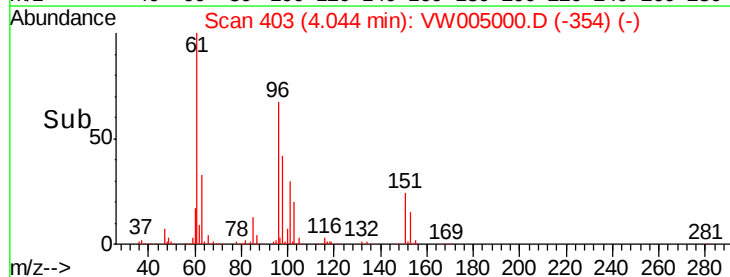
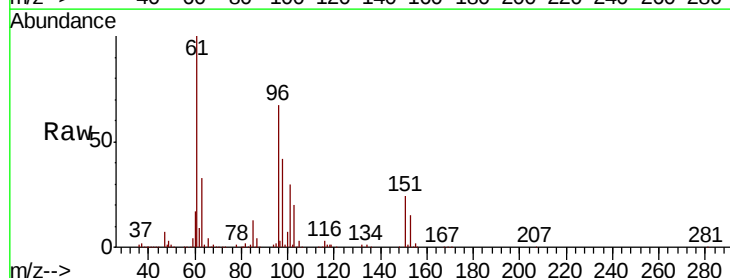
Tgt Ion: 59 Resp: 54564
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.1 12.1

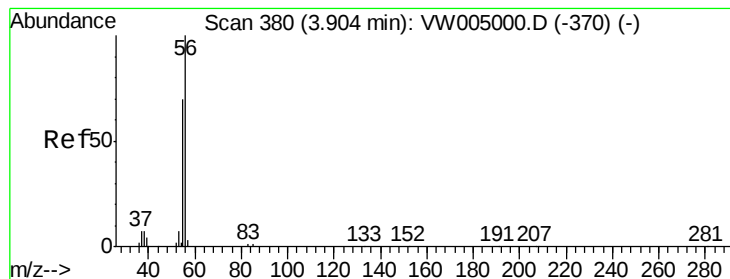


#12

1,1-Dichloroethene
 Concen: 49.566 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 96 Resp: 188454
 Ion Ratio Lower Upper
 96 100
 61 149.4 119.5 179.3
 98 63.0 50.4 75.6





#13

Acrolein

Concen: 244.690 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

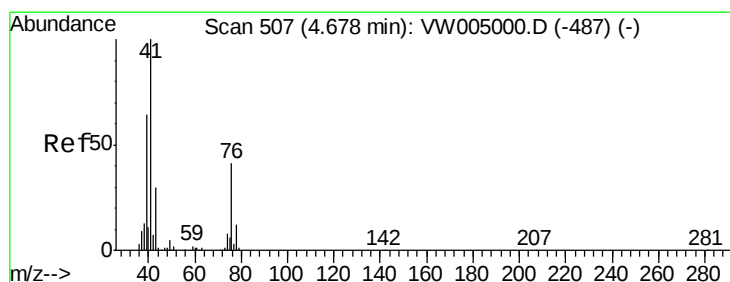
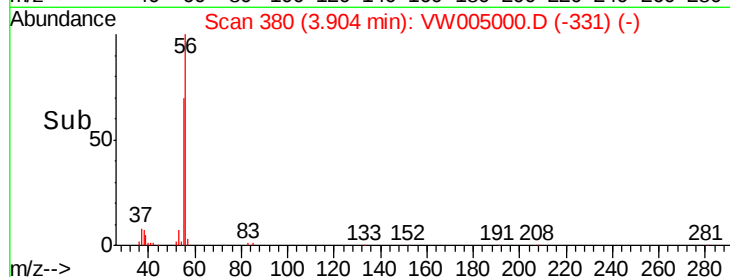
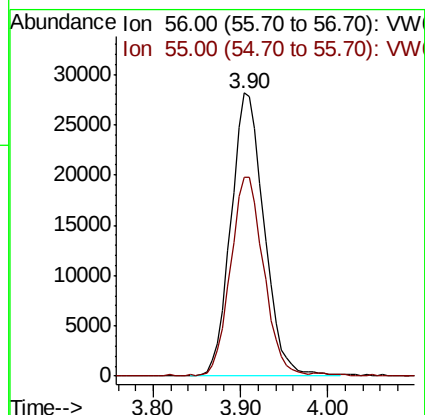
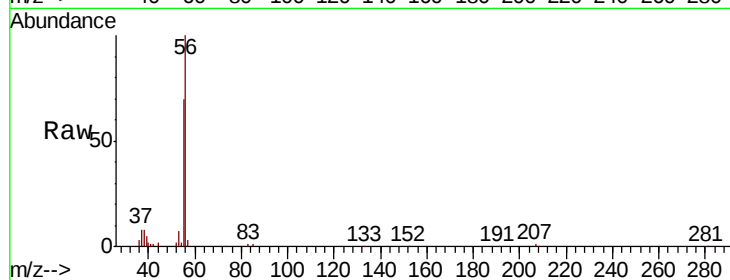
VSTDICCC050

Tgt Ion: 56 Resp: 74314

Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6



#14

Allyl chloride

Concen: 49.857 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

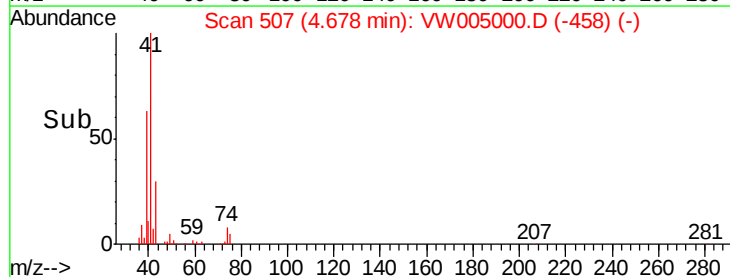
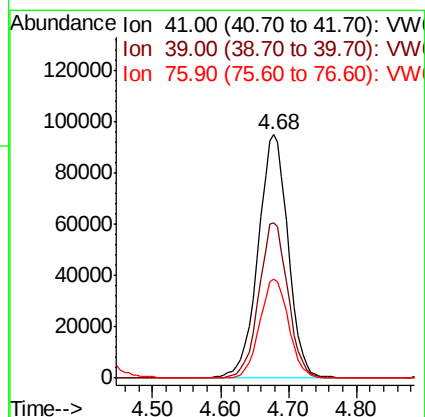
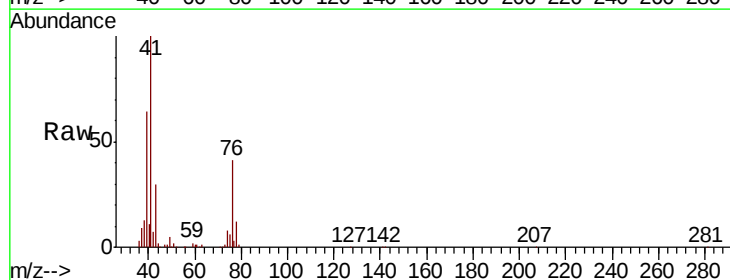
Tgt Ion: 41 Resp: 291891

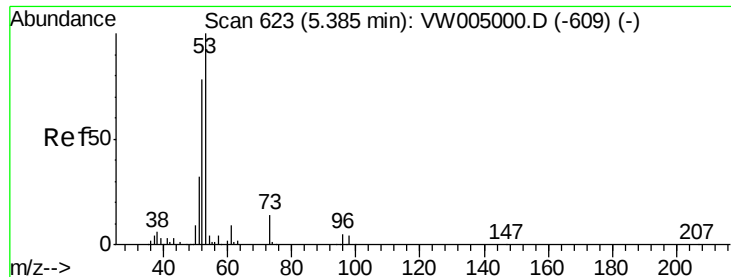
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 39.3 31.4 47.2





#15

Acrylonitrile

Concen: 244.891 ug/l

RT: 5.39 min Scan# 623

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

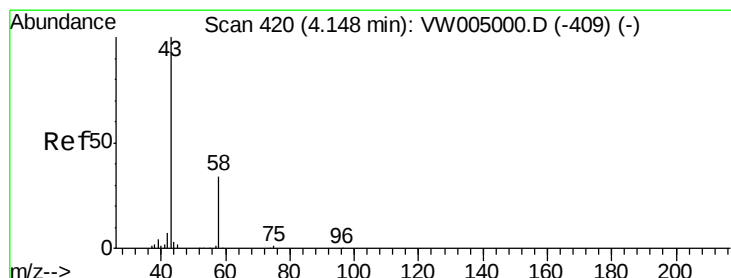
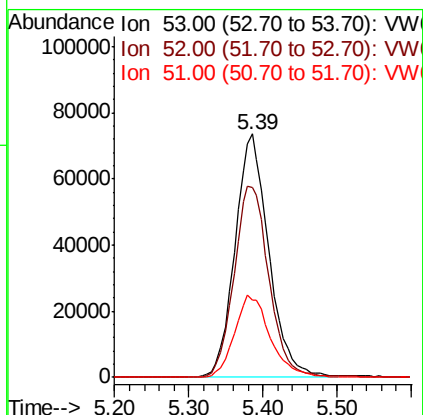
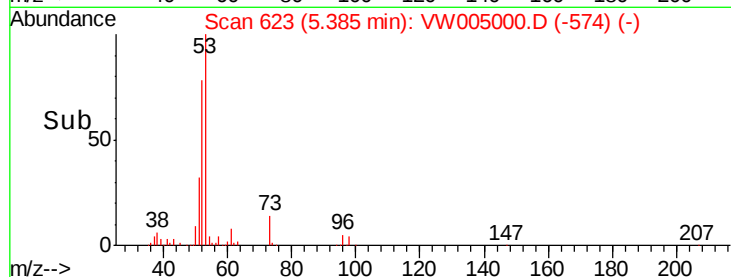
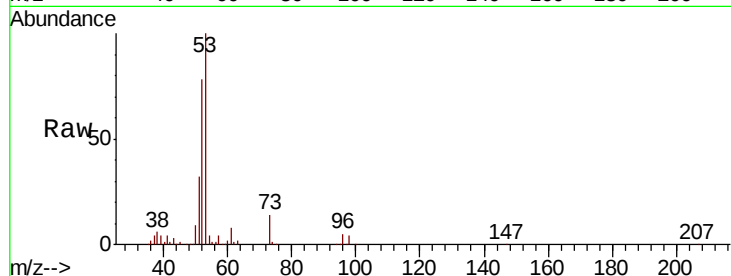
Tgt Ion: 53 Resp: 234128

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

51 35.8 28.6 43.0



#16

Acetone

Concen: 232.669 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW005000.D

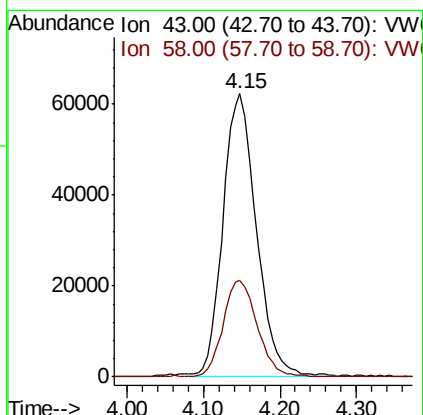
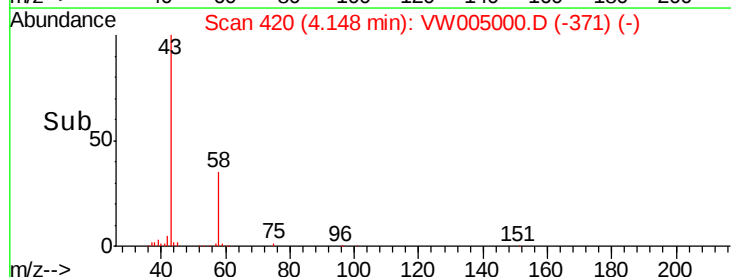
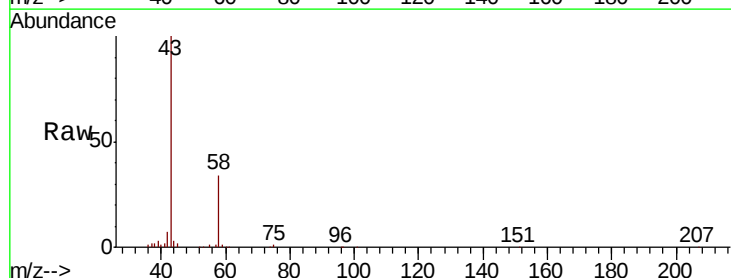
Acq: 29 Aug 2018 13:27

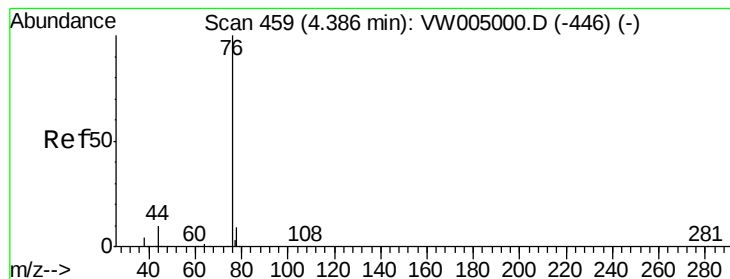
Tgt Ion: 43 Resp: 186880

Ion Ratio Lower Upper

43 100

58 34.0 27.2 40.8





#17

Carbon Disulfide

Concen: 49.091 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

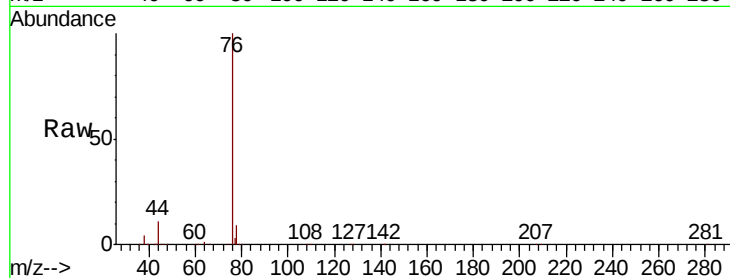
VSTDICCC050

Tgt Ion: 76 Resp: 784550

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

300000

250000

200000

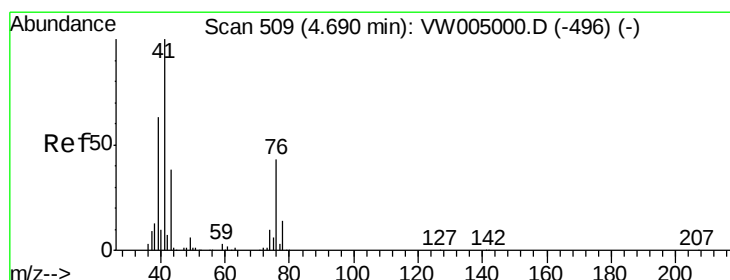
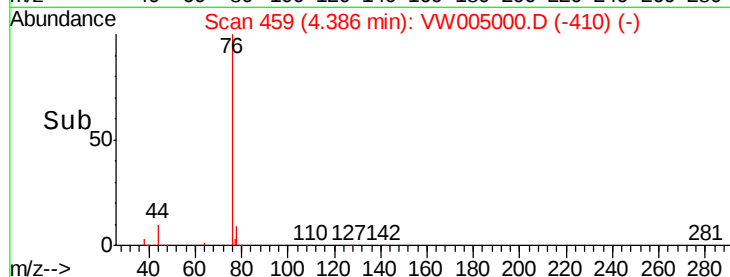
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 47.385 ug/l

RT: 4.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VW005000.D

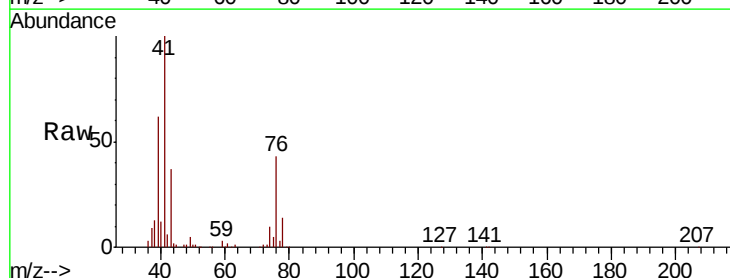
Acq: 29 Aug 2018 13:27

Tgt Ion: 43 Resp: 92188

Ion Ratio Lower Upper

43 100

74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.69

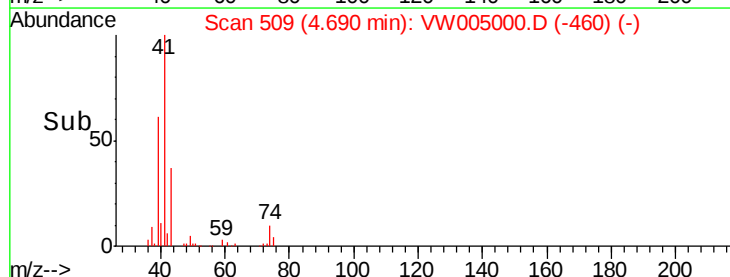
30000

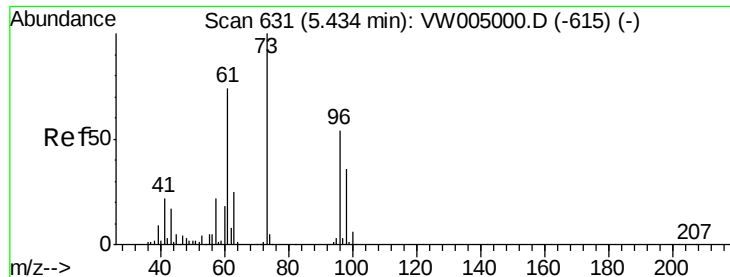
20000

10000

0

Time--> 4.60 4.70 4.80

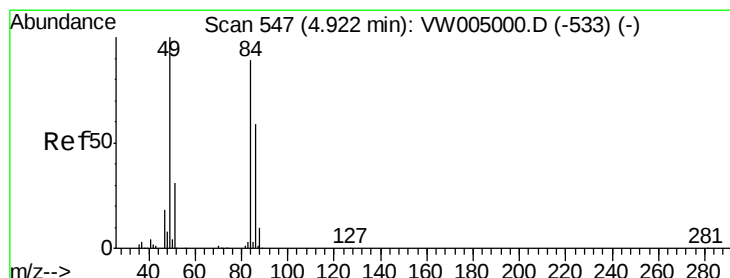
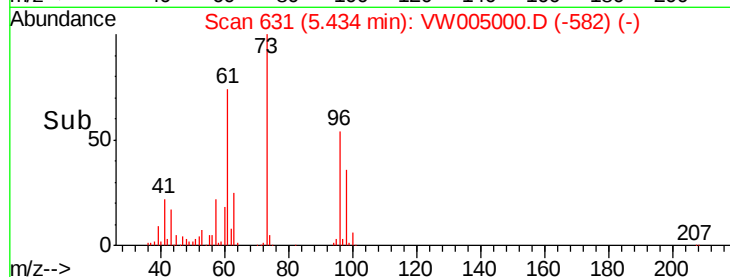
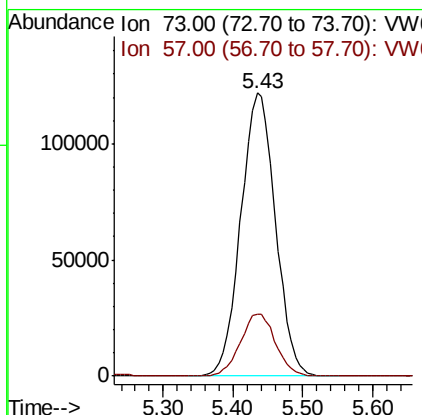
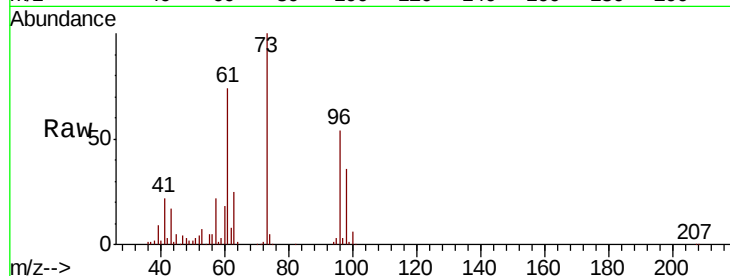




#19
Methyl tert-butyl Ether
Concen: 51.217 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

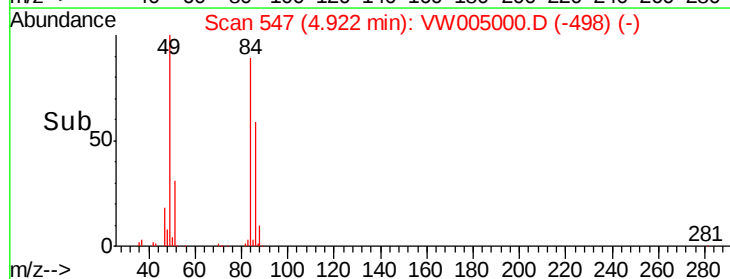
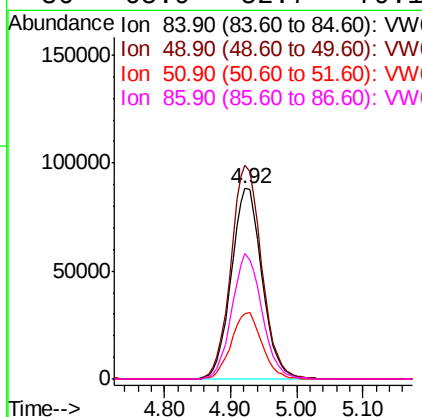
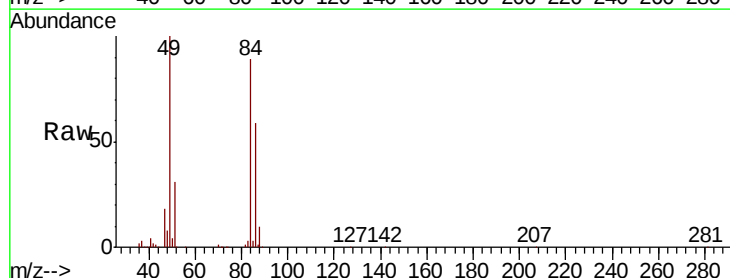
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

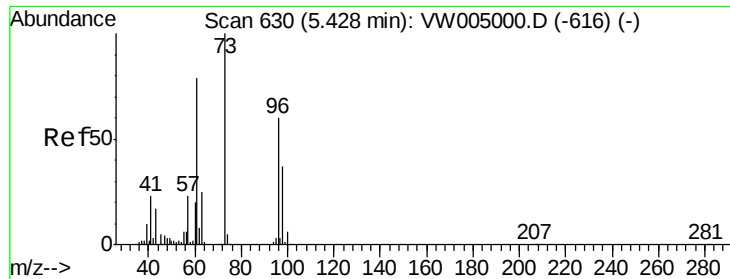
Tgt Ion: 73 Resp: 418468
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 42.113 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 84 Resp: 285021
Ion Ratio Lower Upper
84 100
49 112.1 89.7 134.5
51 34.4 27.5 41.3
86 65.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.282 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

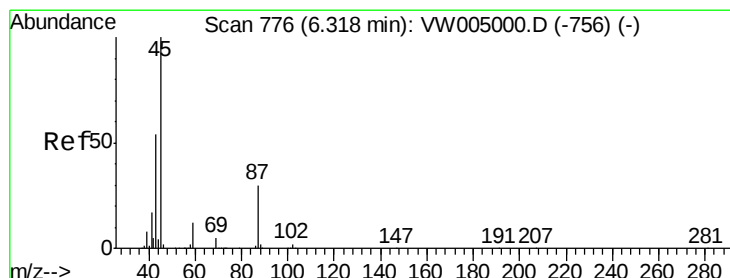
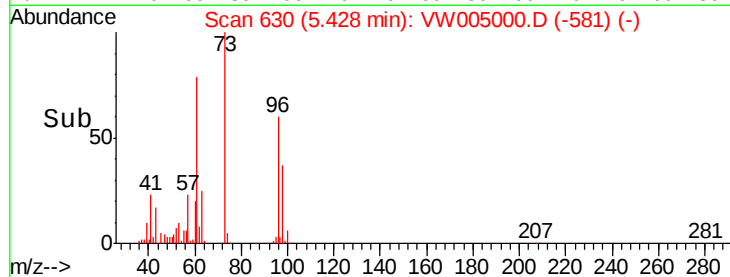
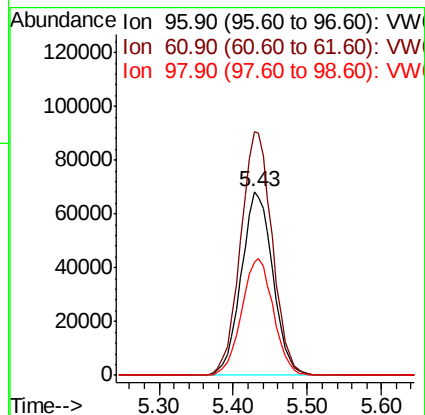
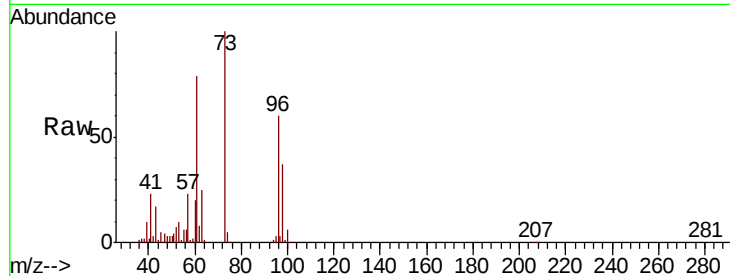
Tgt Ion: 96 Resp: 203453

Ion Ratio Lower Upper

96 100

61 132.7 106.2 159.2

98 61.9 49.5 74.3



#22

Diisopropyl ether

Concen: 53.540 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Tgt Ion: 45 Resp: 639884

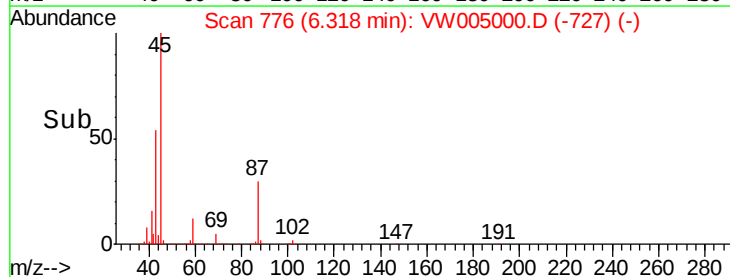
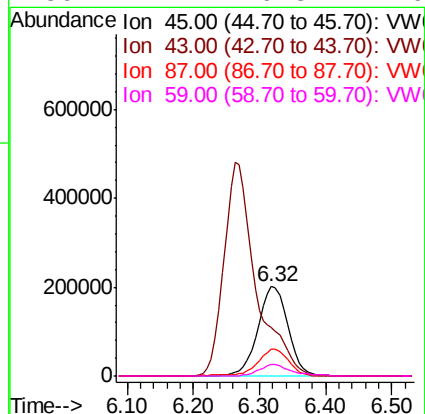
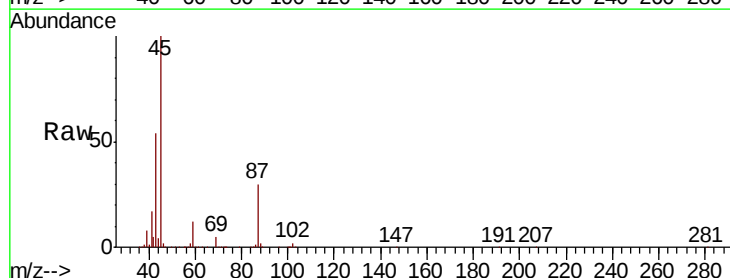
Ion Ratio Lower Upper

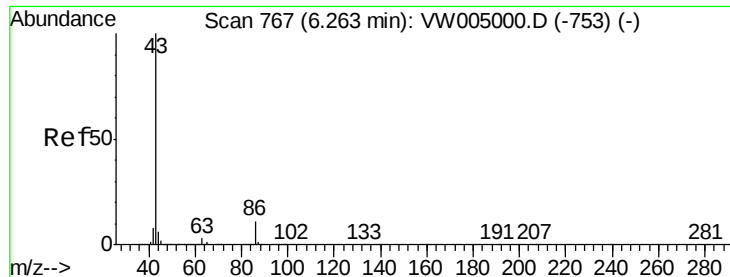
45 100

43 54.4 43.5 65.3

87 29.8 23.8 35.8

59 12.2 9.8 14.6





#23

Vinyl Acetate

Concen: 264.364 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

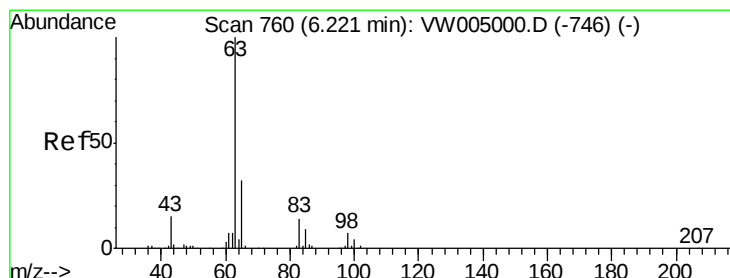
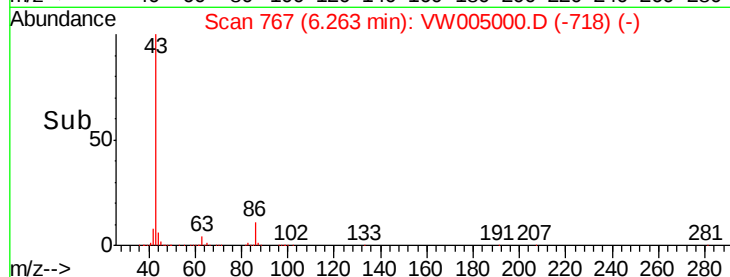
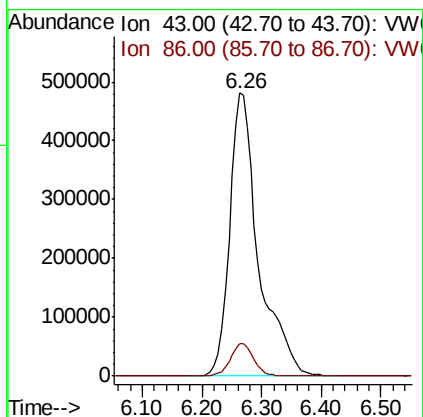
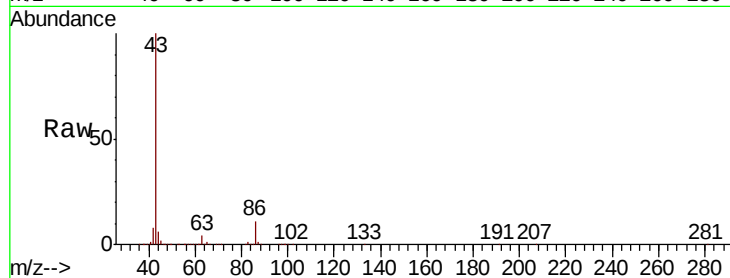
VSTDICCC050

Tgt Ion: 43 Resp: 1615373

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 49.439 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

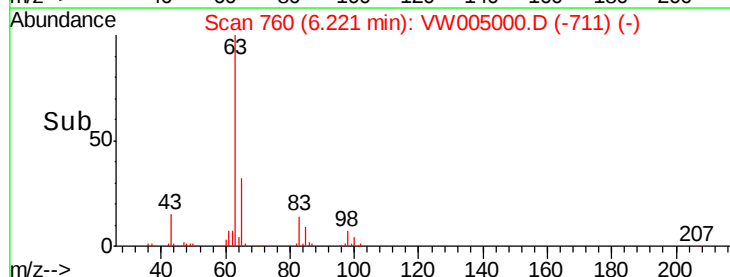
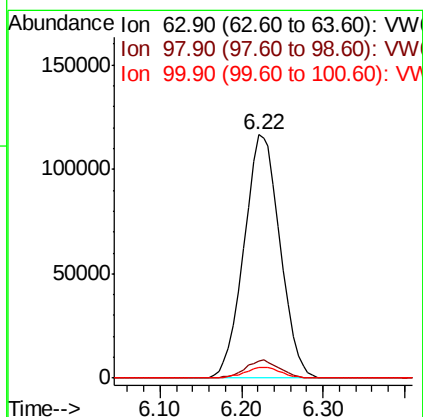
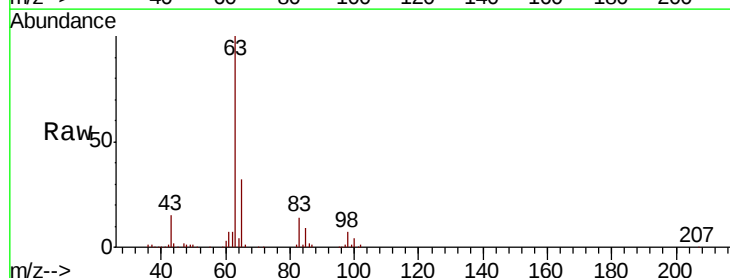
Tgt Ion: 63 Resp: 357501

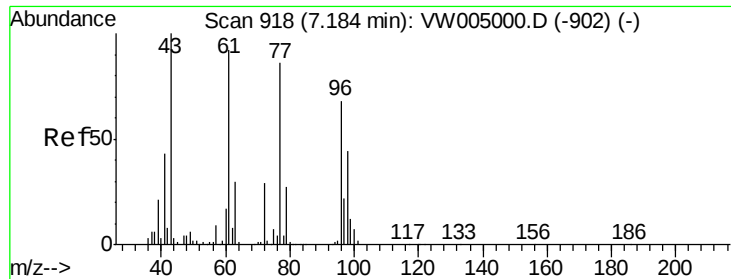
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 244.603 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

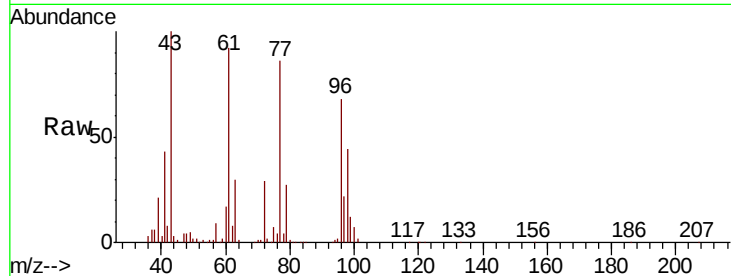
VSTDICCC050

Tgt Ion: 43 Resp: 306371

Ion Ratio Lower Upper

43 100

72 29.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

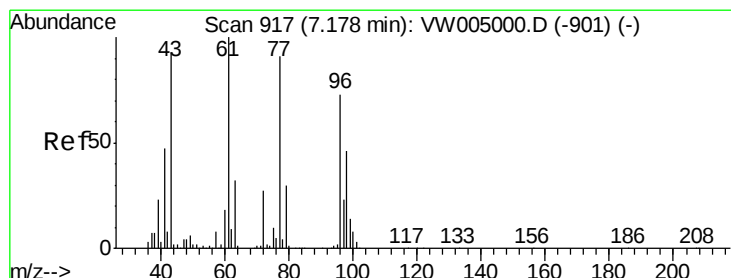
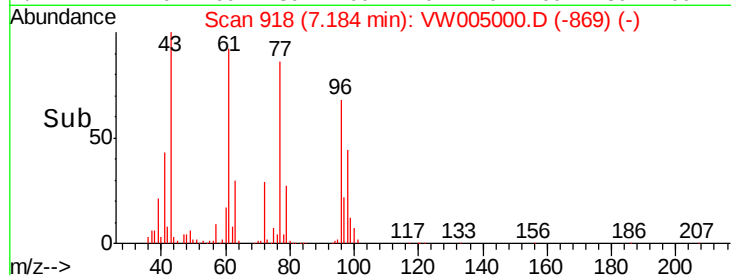
7.18

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.488 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW005000.D

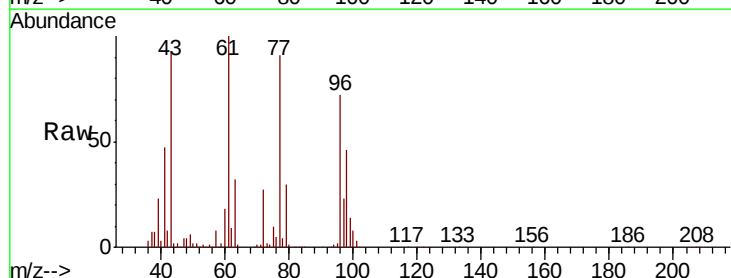
Acq: 29 Aug 2018 13:27

Tgt Ion: 77 Resp: 307753

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

120000

100000

80000

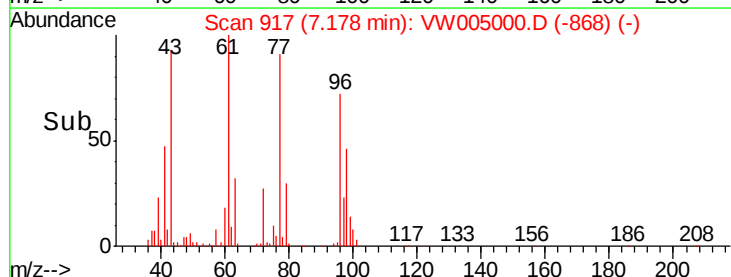
60000

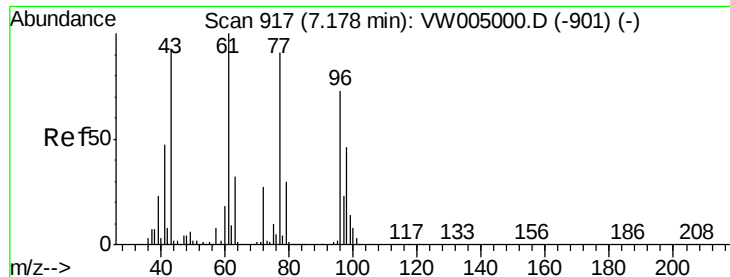
40000

20000

0

Time-->



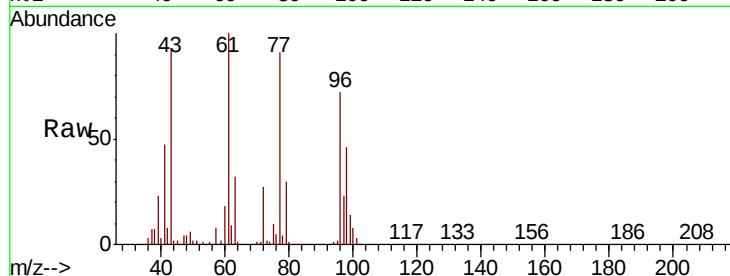


#27

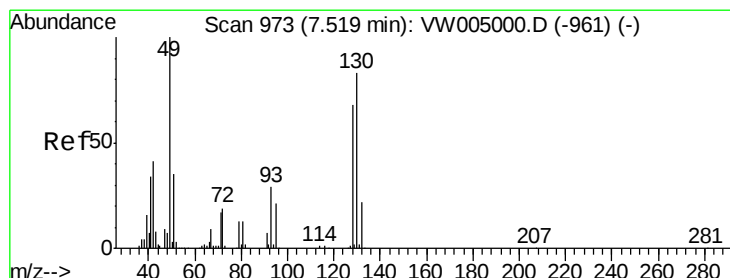
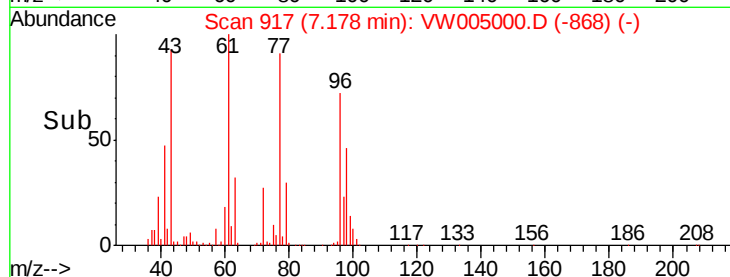
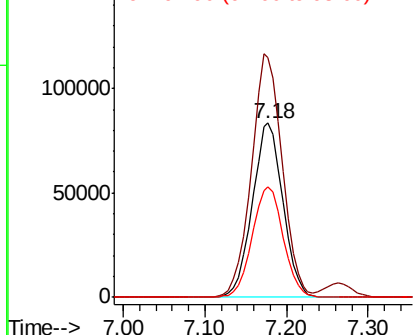
cis-1,2-Dichloroethene
Concen: 48.585 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	281.6
98	64.5	0.0	129.0



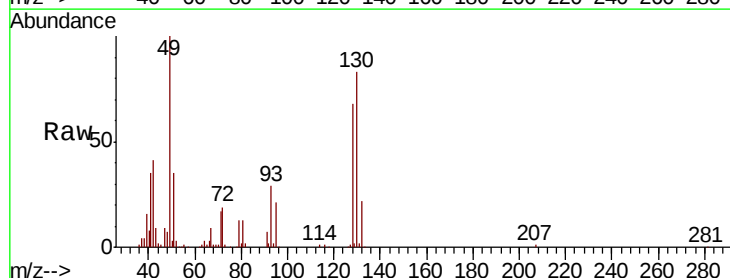
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



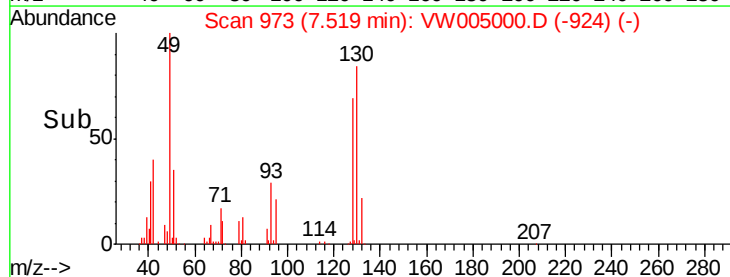
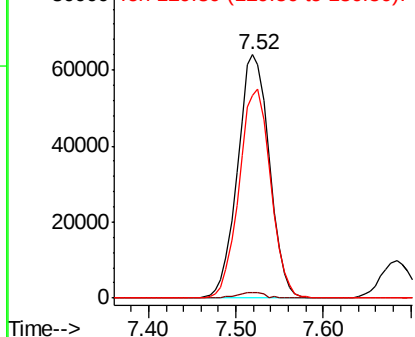
#28

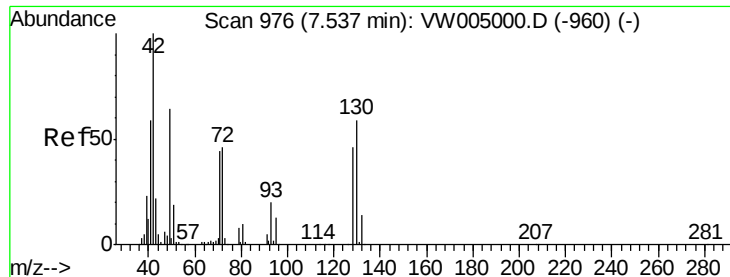
Bromochloromethane
Concen: 50.875 ug/l
RT: 7.52 min Scan# 973
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.2	68.2	102.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 244.683 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

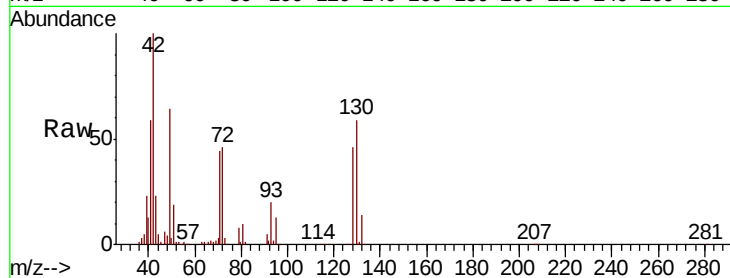
Tgt Ion: 42 Resp: 154818

Ion Ratio Lower Upper

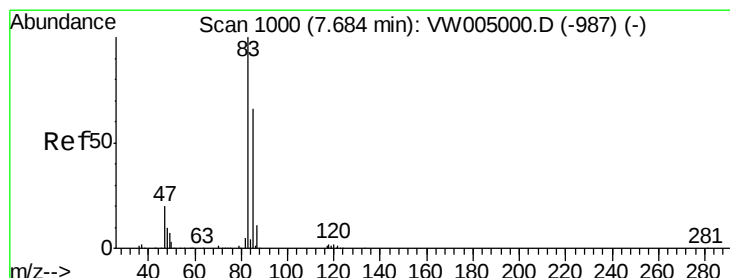
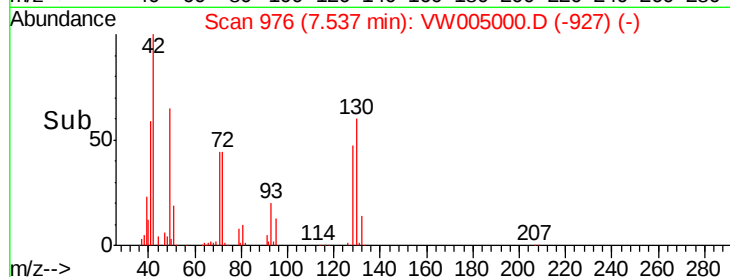
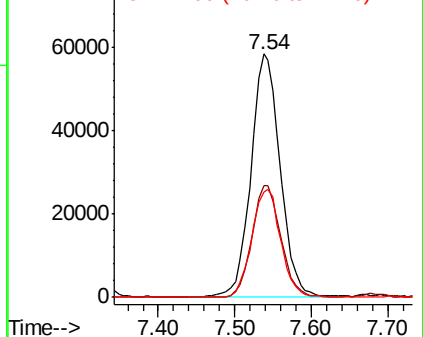
42 100

72 45.8 36.6 55.0

71 44.3 35.4 53.2



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: 48.482 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW005000.D

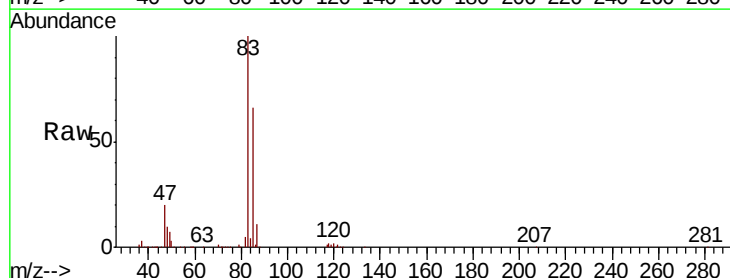
Acq: 29 Aug 2018 13:27

Tgt Ion: 83 Resp: 344833

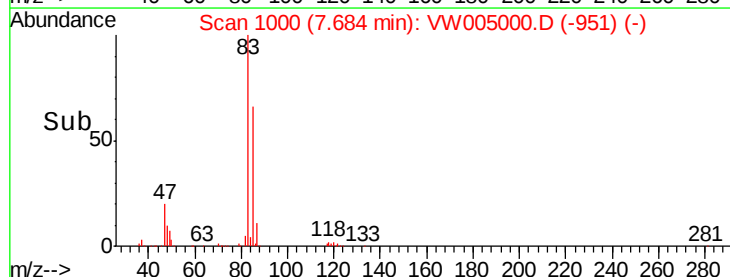
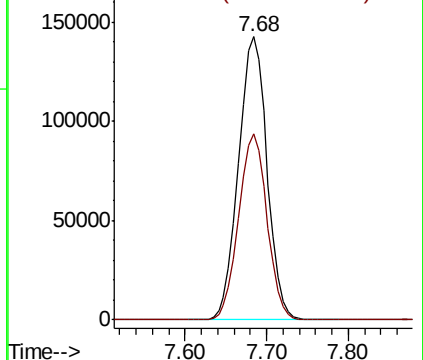
Ion Ratio Lower Upper

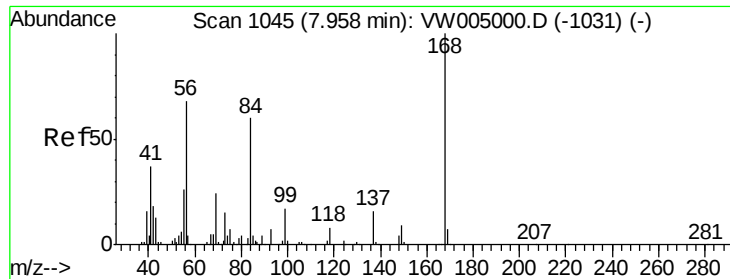
83 100

85 65.7 52.6 78.8



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

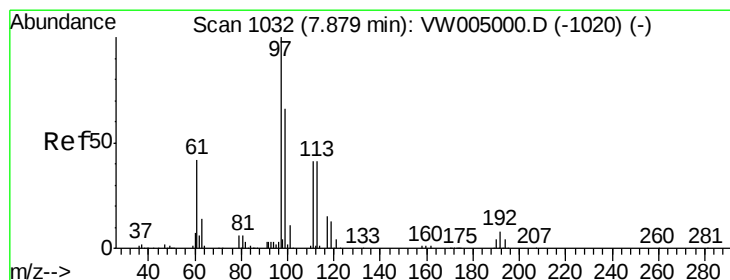
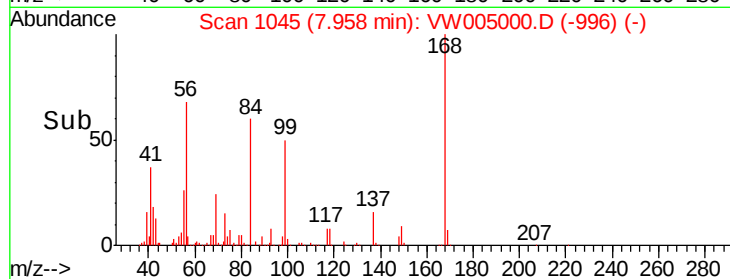
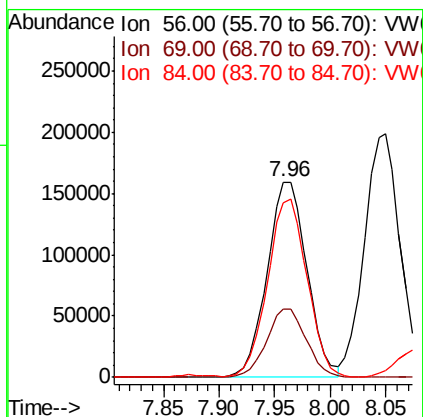
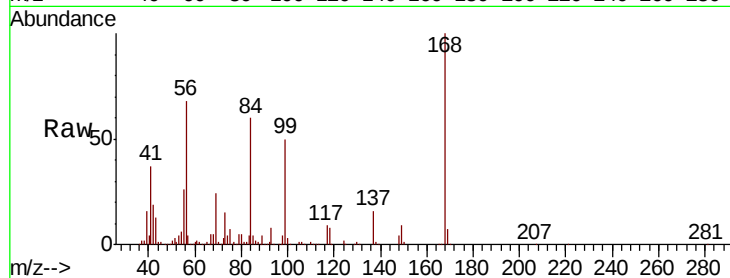




#31
Cyclohexane
Concen: 51.885 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

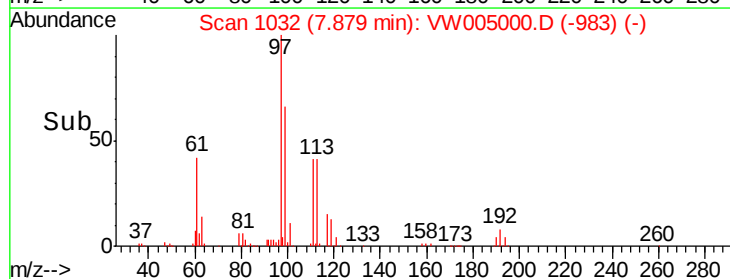
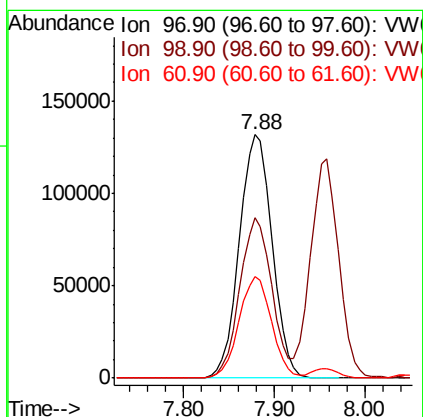
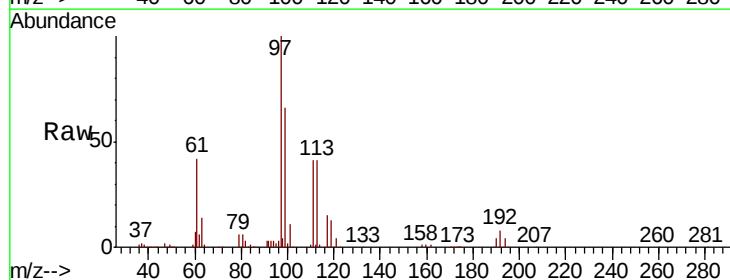
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

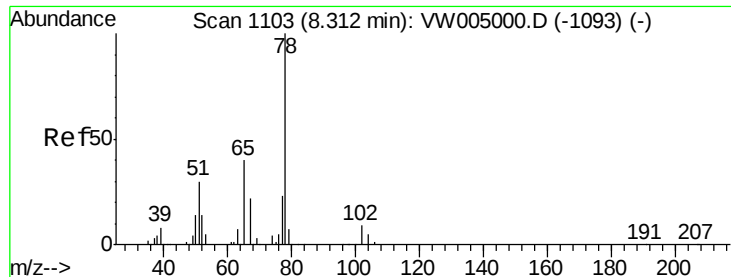
Tgt Ion: 56 Resp: 397648
Ion Ratio Lower Upper
56 100
69 34.9 27.9 41.9
84 88.1 70.5 105.7



#32
1,1,1-Trichloroethane
Concen: 50.670 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 97 Resp: 331605
Ion Ratio Lower Upper
97 100
99 65.4 52.3 78.5
61 41.5 33.2 49.8

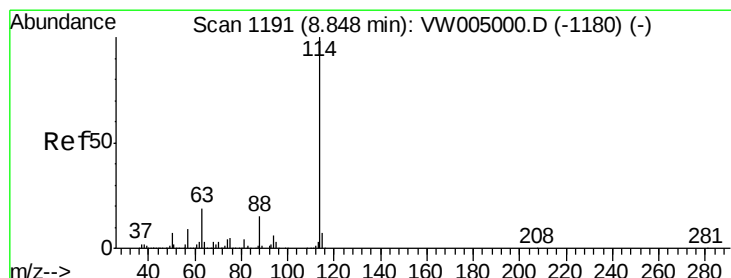
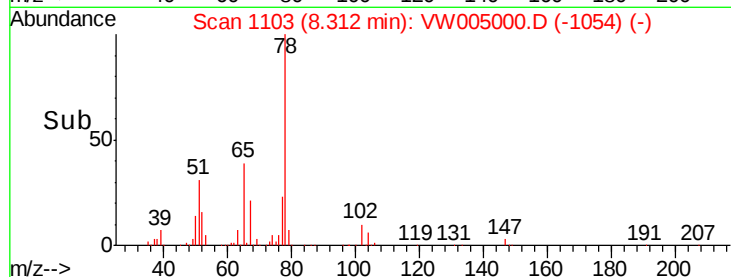
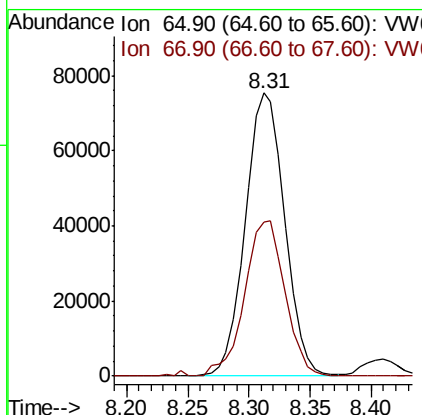
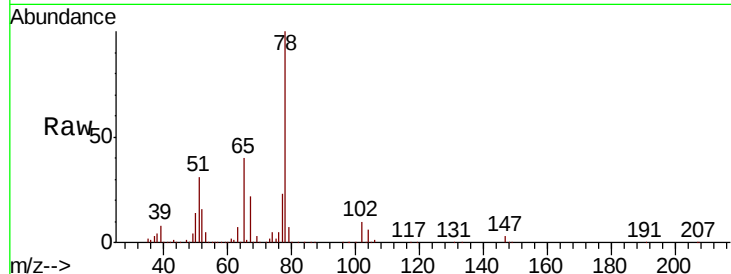




#33
 1,2-Dichloroethane-d4
 Concen: 47.399 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

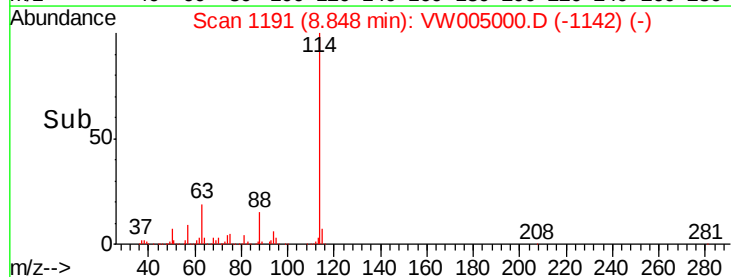
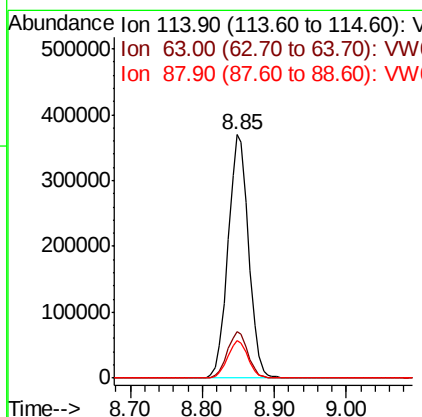
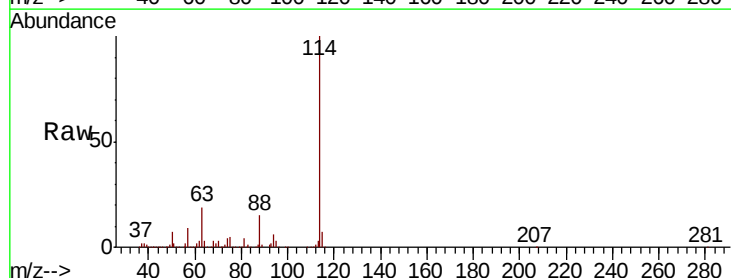
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

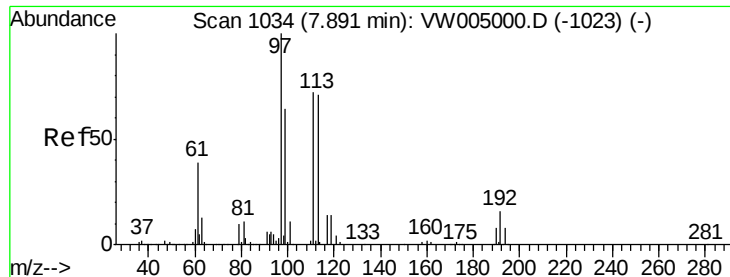
Tgt Ion: 65 Resp: 168818
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 114 Resp: 733785
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.3 0.0 30.6

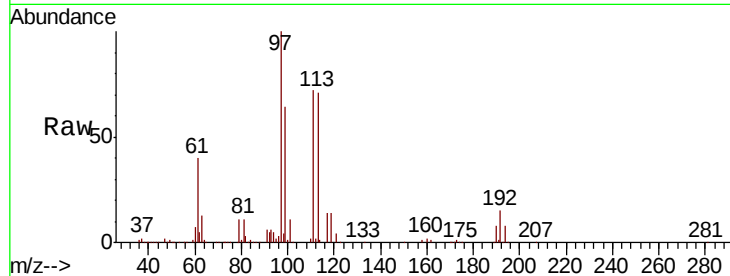




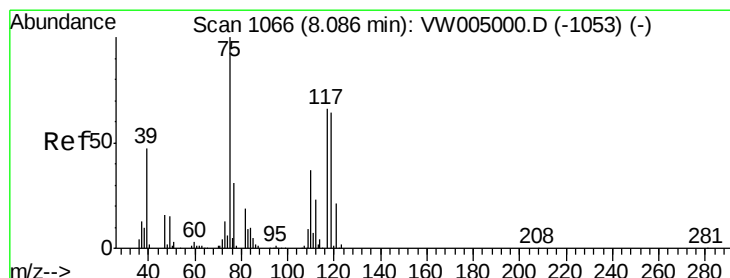
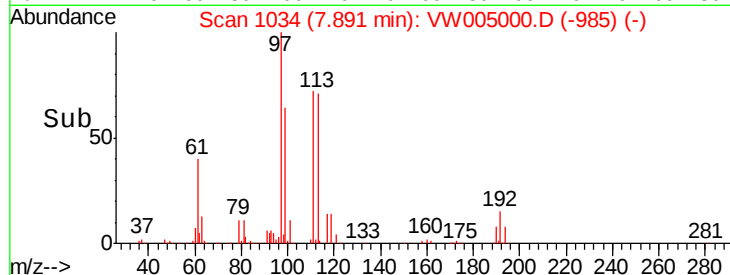
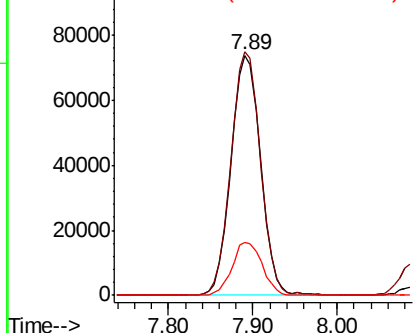
#35
 Dibromofluoromethane
 Concen: 48.043 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 174694
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.3 121.9
 192 22.3 17.8 26.8

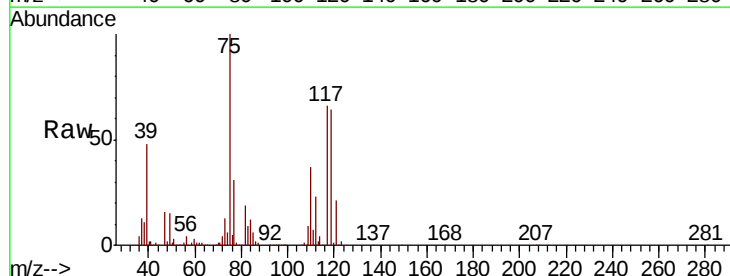


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

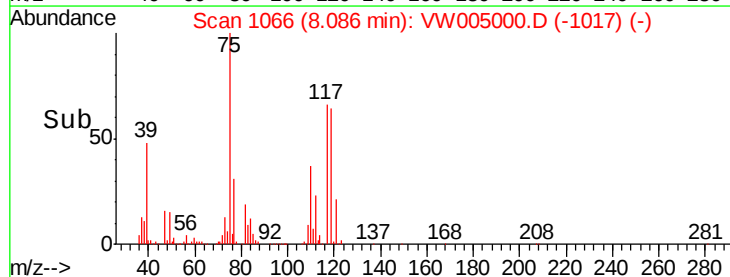
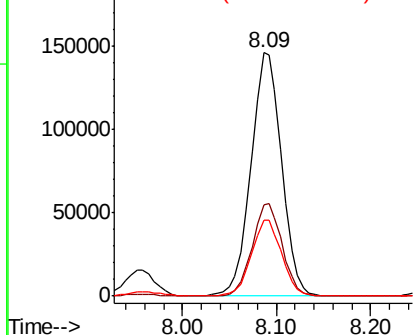


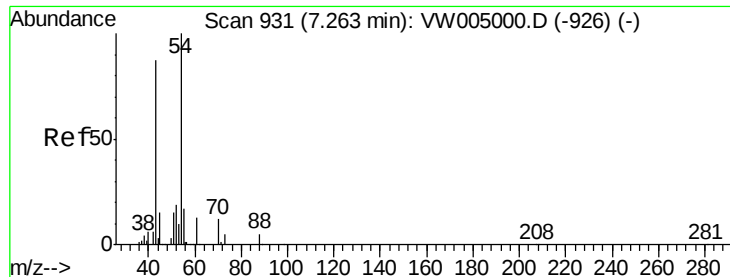
#36
 1,1-Dichloropropene
 Concen: 53.435 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 75 Resp: 332229
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.7 56.1
 77 31.1 24.9 37.3



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

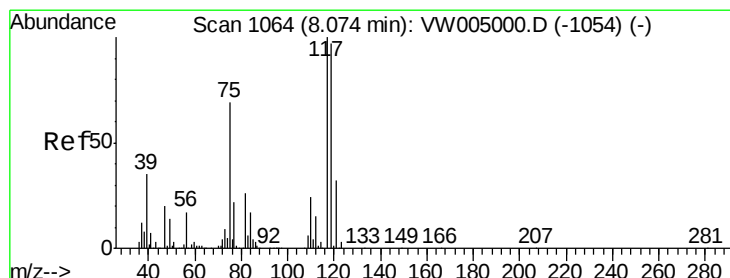
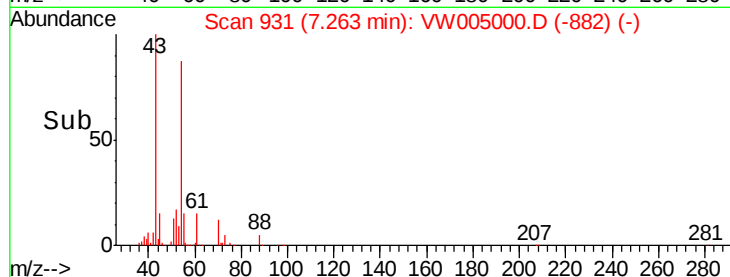
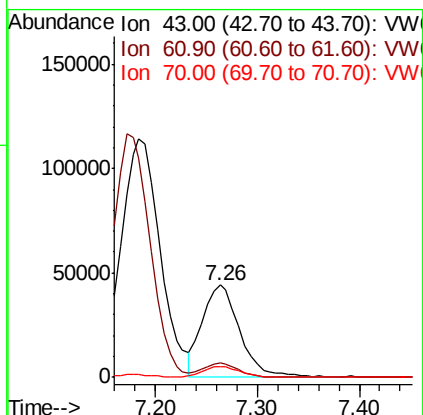
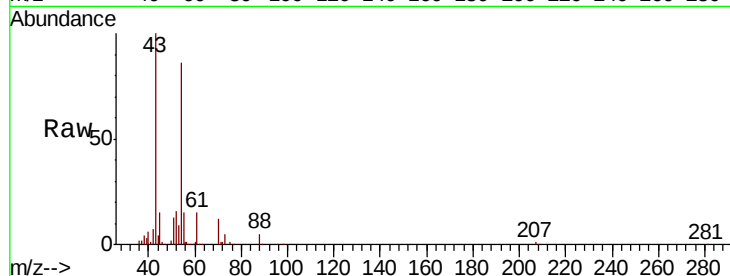




#37
Ethyl Acetate
Concen: 49.313 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

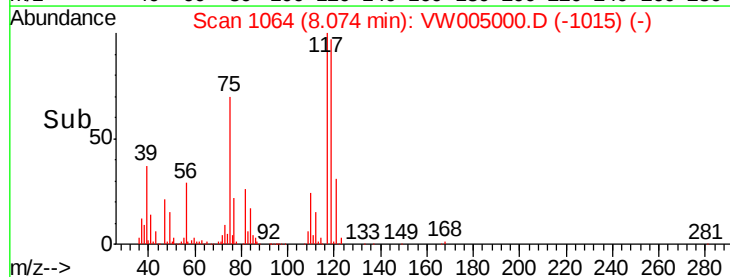
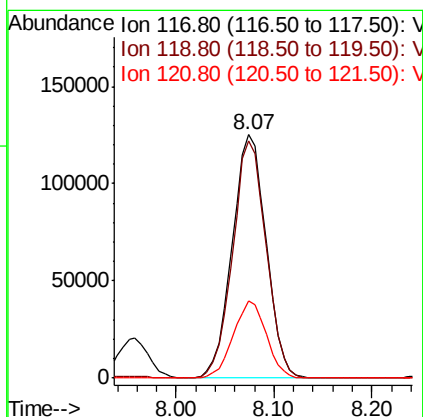
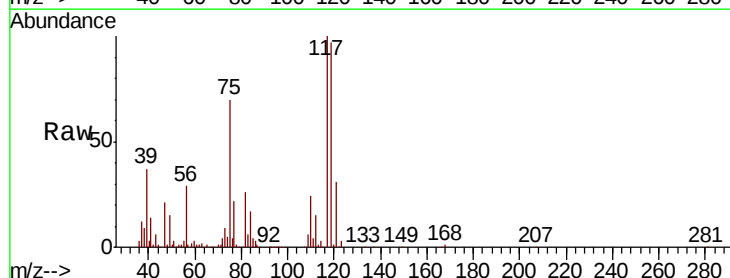
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

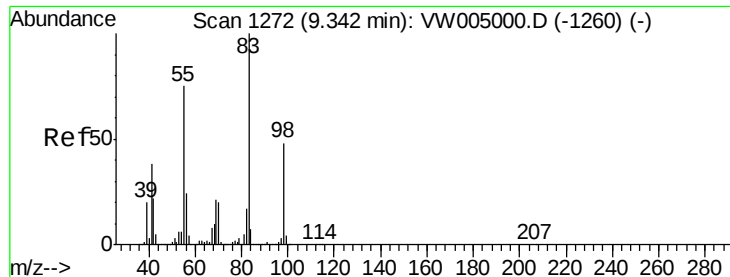
Tgt Ion: 43 Resp: 110512
Ion Ratio Lower Upper
43 100
61 15.4 12.3 18.5
70 12.1 9.7 14.5



#38
Carbon Tetrachloride
Concen: 50.043 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 117 Resp: 301110
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 31.5 25.2 37.8

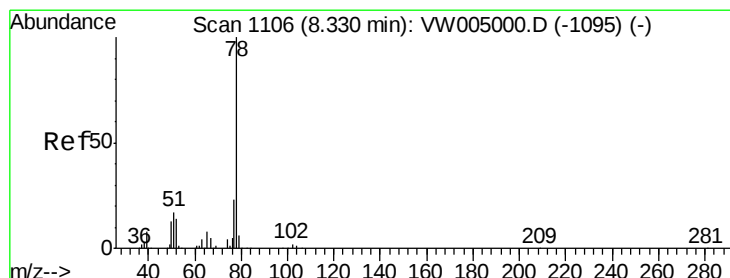
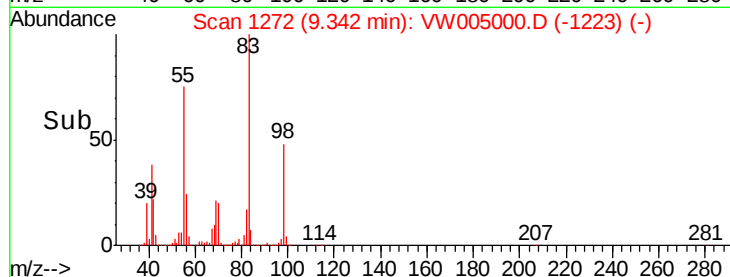
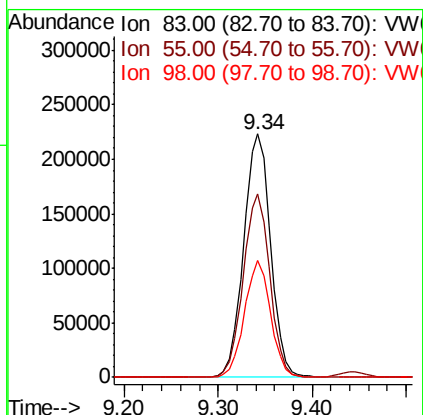
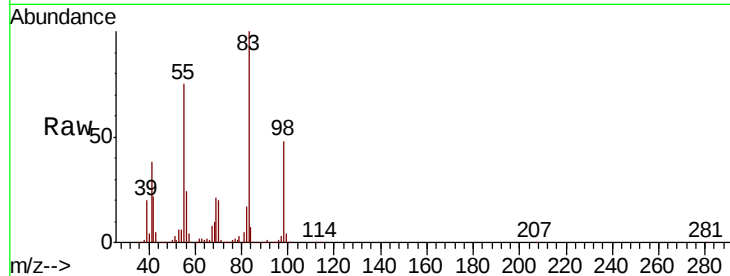




#39
Methylcyclohexane
Concen: 52.162 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

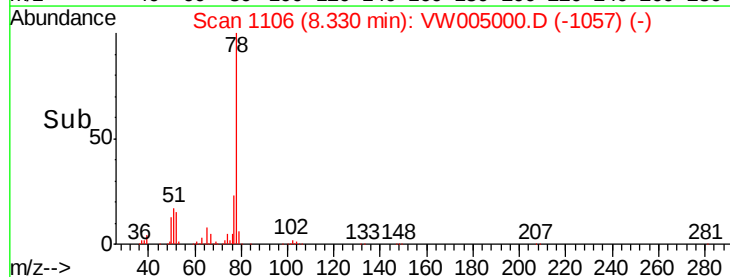
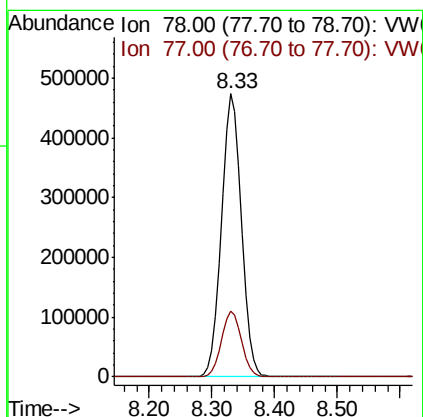
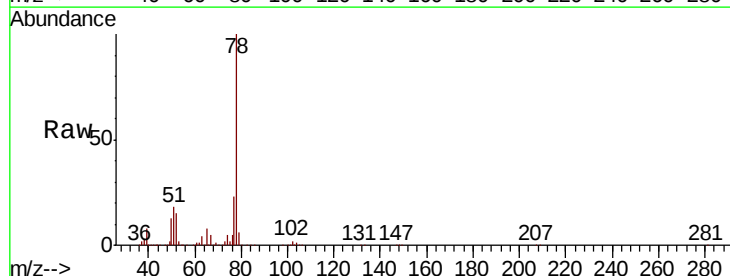
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

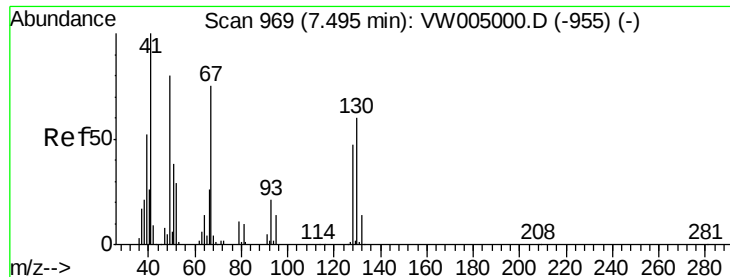
Tgt Ion: 83 Resp: 447072
Ion Ratio Lower Upper
83 100
55 75.2 60.2 90.2
98 48.2 38.6 57.8



#40
Benzene
Concen: 52.328 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 78 Resp: 1041408
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 48.218 ug/l

RT: 7.49 min Scan# 969

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 62972

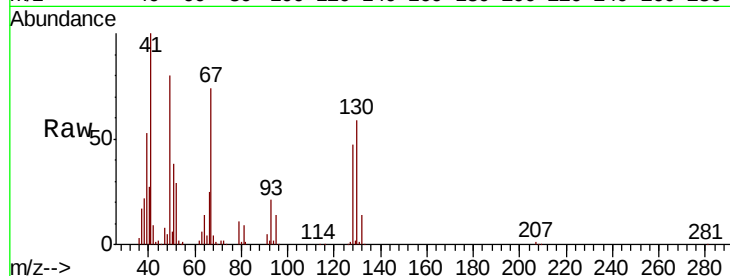
Ion Ratio Lower Upper

41 100

39 52.5 42.0 63.0

67 79.3 63.4 95.2

52 30.8 24.6 37.0

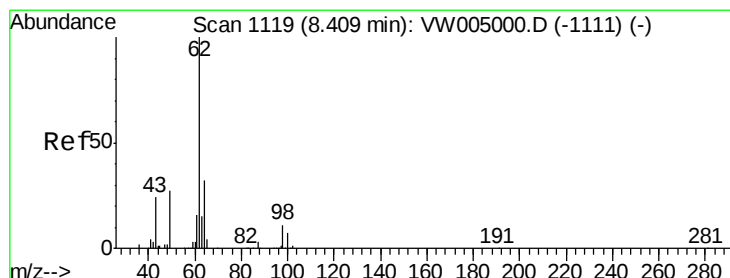
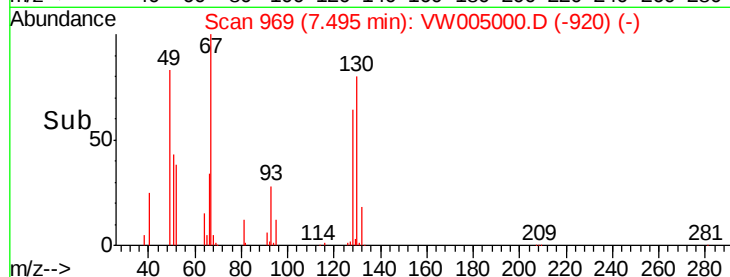
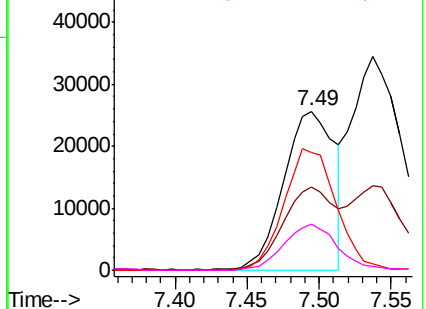


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.142 ug/l

RT: 8.41 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VW005000.D

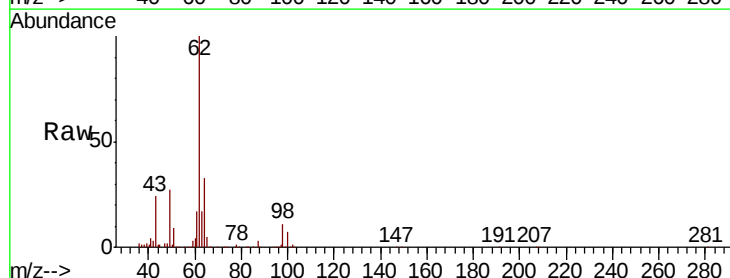
Acq: 29 Aug 2018 13:27

Tgt Ion: 62 Resp: 213194

Ion Ratio Lower Upper

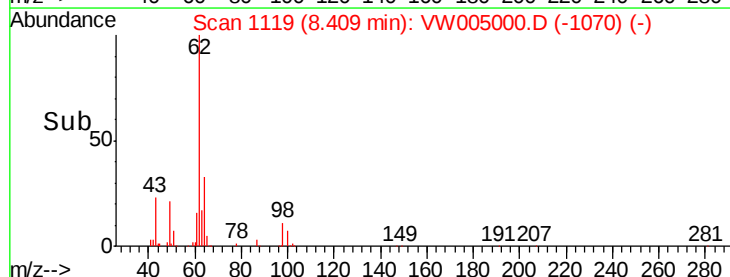
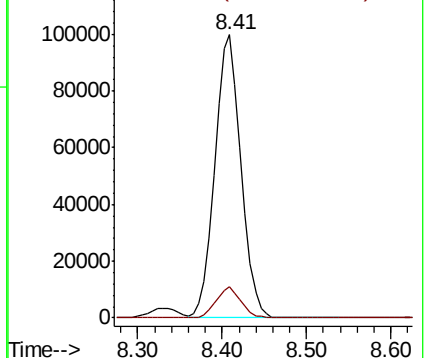
62 100

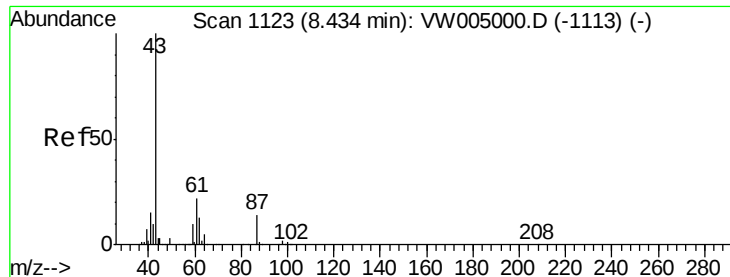
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.271 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

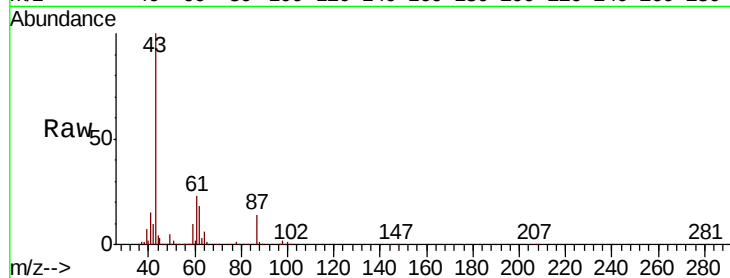
Tgt Ion: 43 Resp: 224169

Ion Ratio Lower Upper

43 100

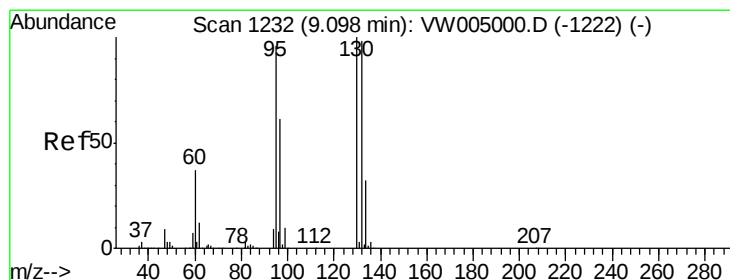
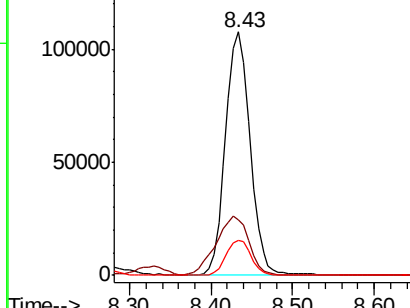
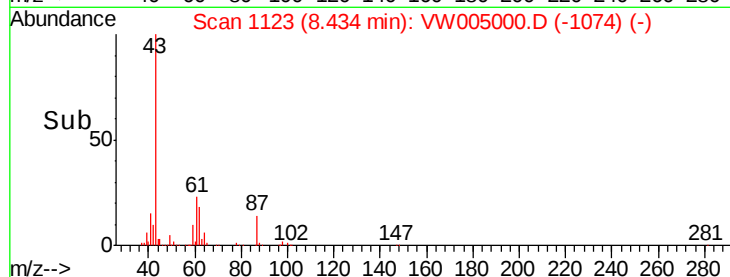
61 32.8 26.2 39.4

87 14.7 11.8 17.6



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

8.43



#44

Trichloroethene

Concen: 51.994 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW005000.D

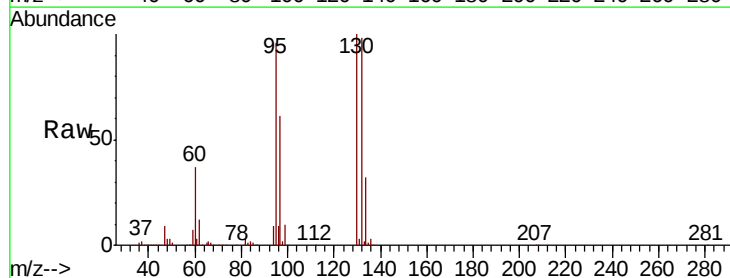
Acq: 29 Aug 2018 13:27

Tgt Ion: 130 Resp: 264301

Ion Ratio Lower Upper

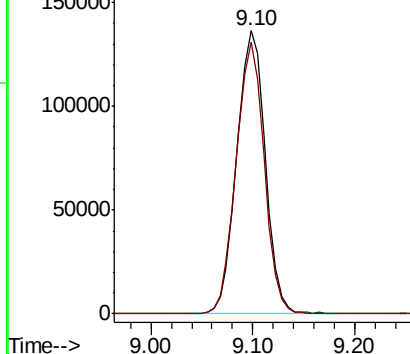
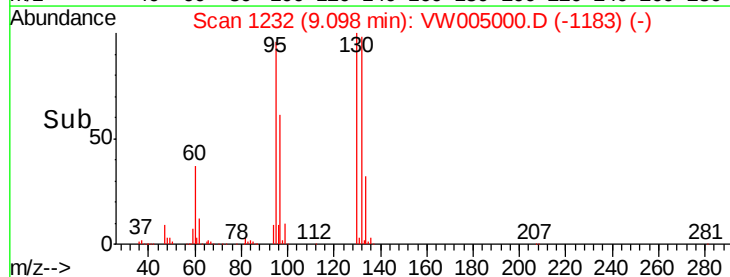
130 100

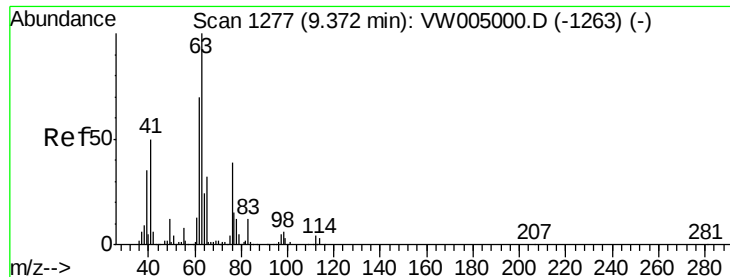
95 96.1 0.0 192.2



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

9.10

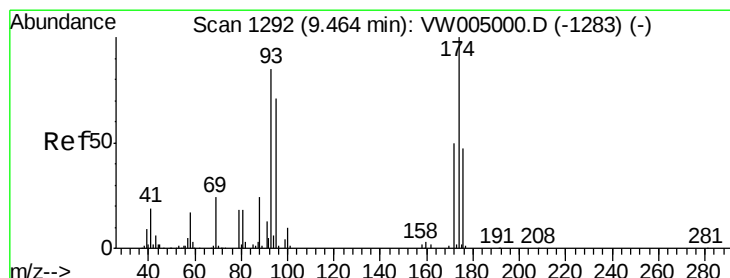
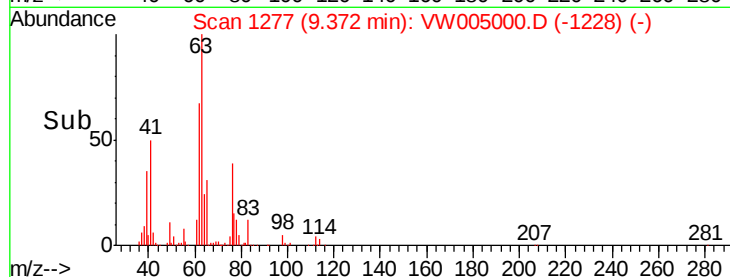
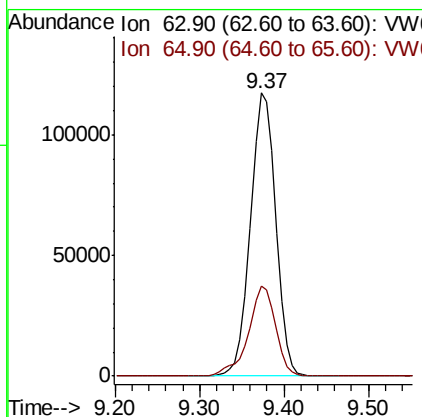
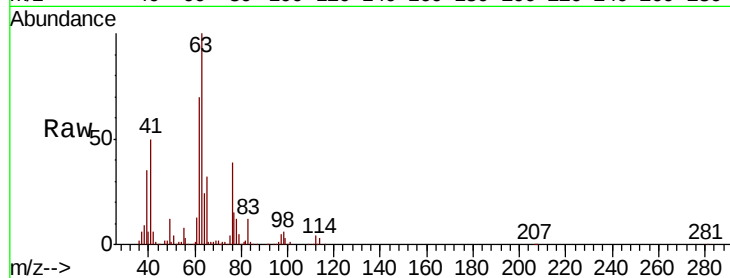




#45
 1,2-Dichloropropane
 Concen: 52.465 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

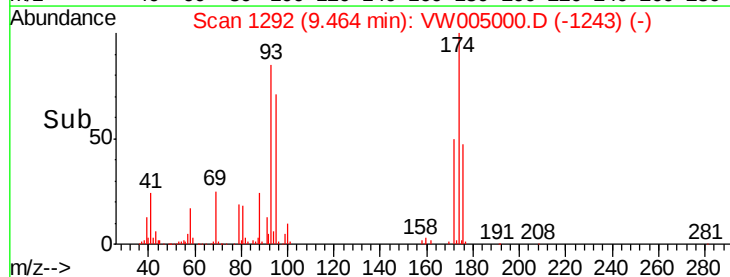
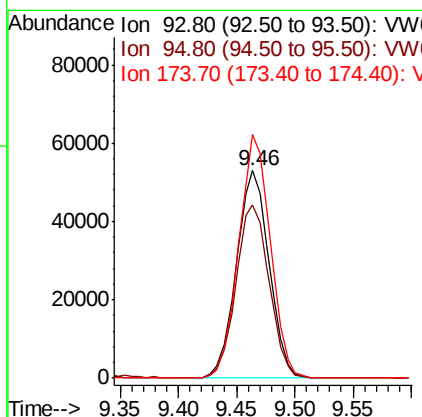
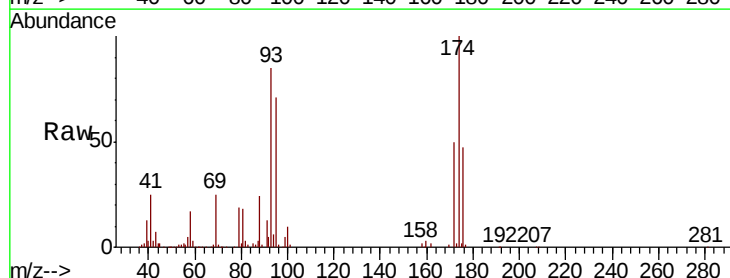
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

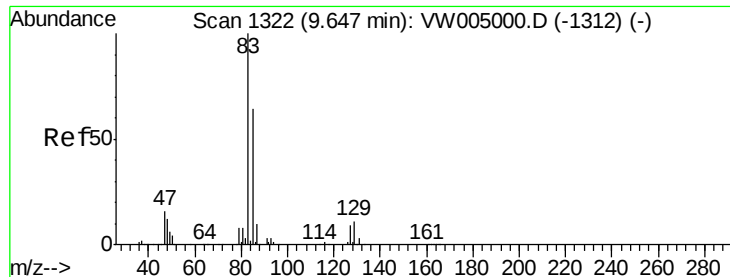
Tgt Ion: 63 Resp: 238895
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9



#46
 Dibromomethane
 Concen: 47.998 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 93 Resp: 103442
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.0 102.0
 174 114.2 91.4 137.0





#47

Bromodichloromethane

Concen: 49.497 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

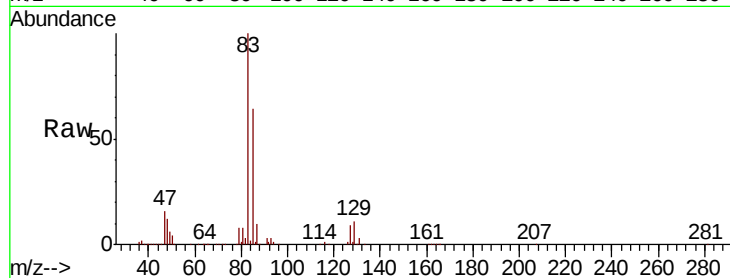
Tgt Ion: 83 Resp: 263578

Ion Ratio Lower Upper

83 100

85 64.1 51.3 76.9

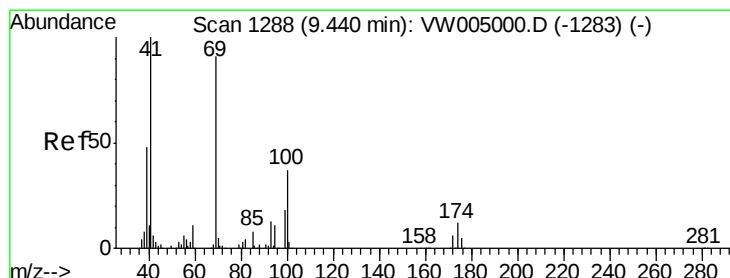
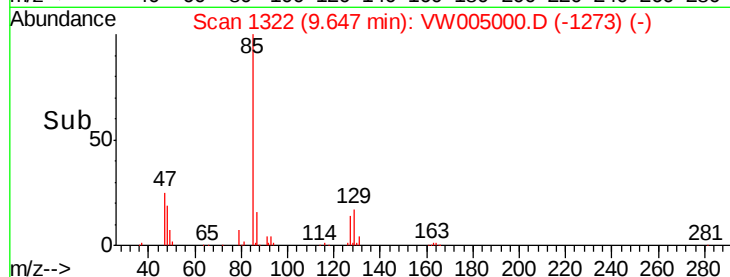
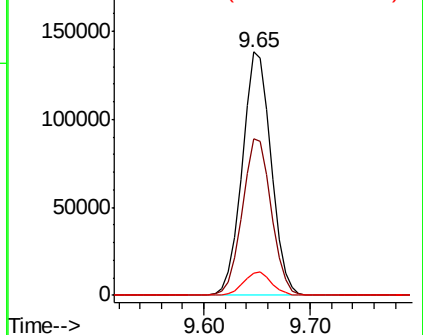
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.024 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

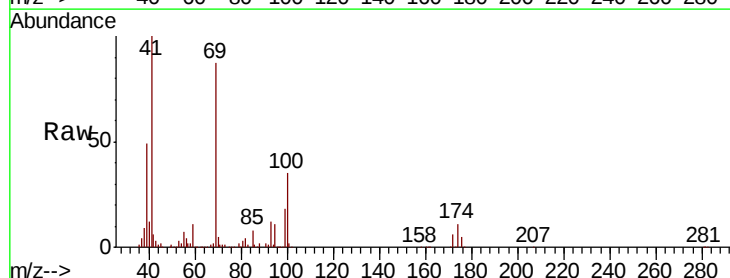
Tgt Ion: 41 Resp: 127910

Ion Ratio Lower Upper

41 100

69 90.6 72.5 108.7

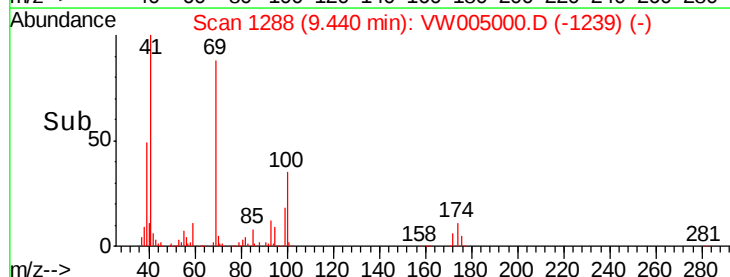
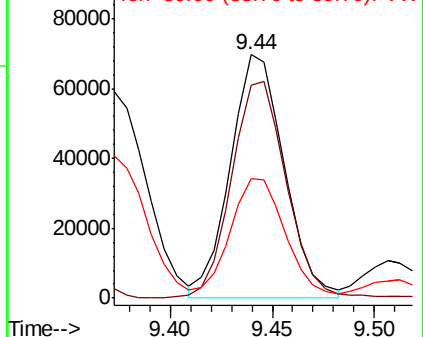
39 46.3 37.0 55.6

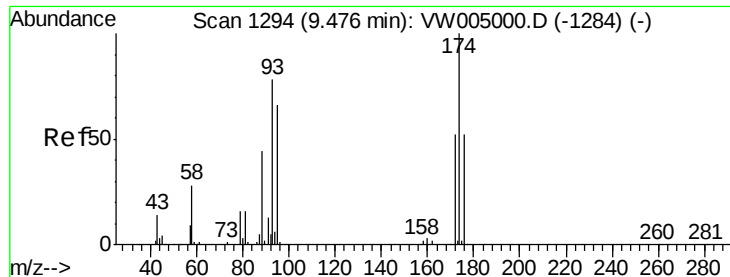


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1019.214 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

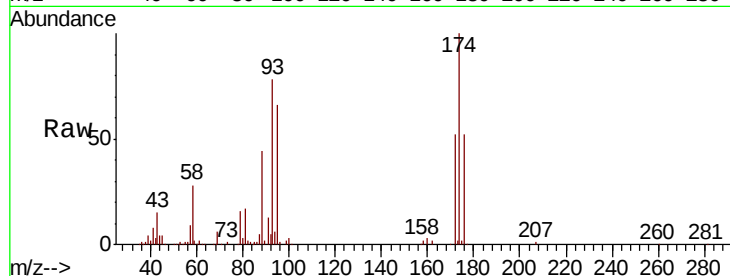
Tgt Ion: 88 Resp: 45582

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

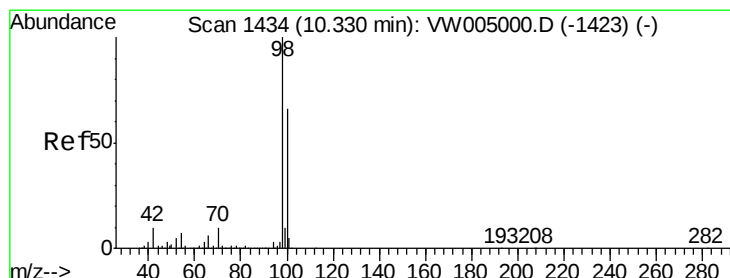
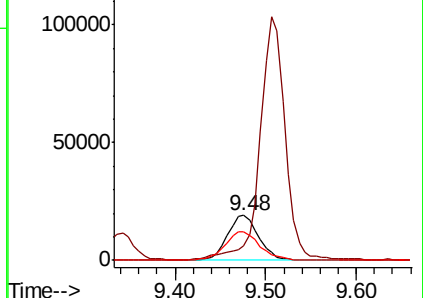
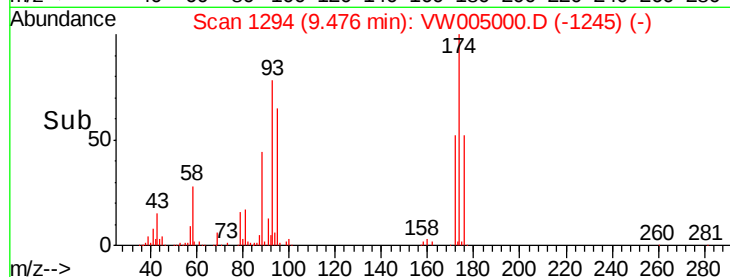
58 71.2 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.303 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005000.D

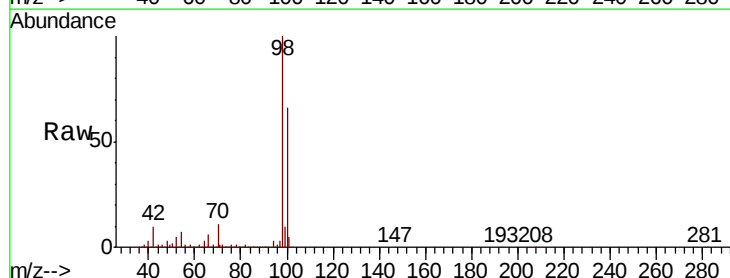
Acq: 29 Aug 2018 13:27

Tgt Ion: 98 Resp: 984272

Ion Ratio Lower Upper

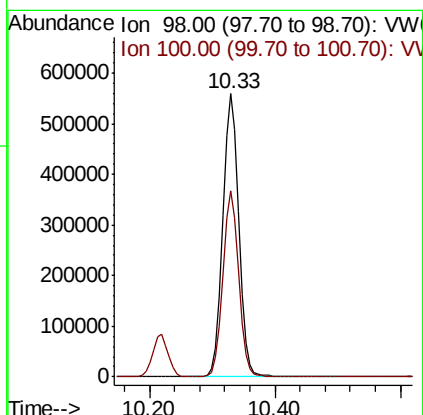
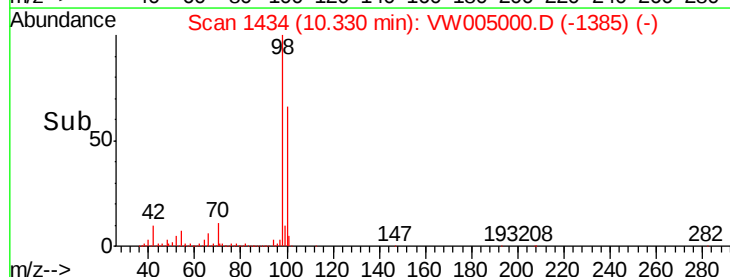
98 100

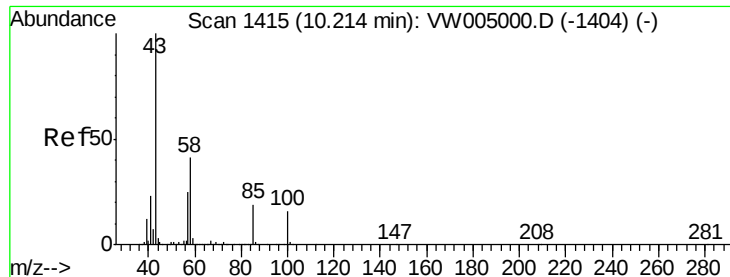
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

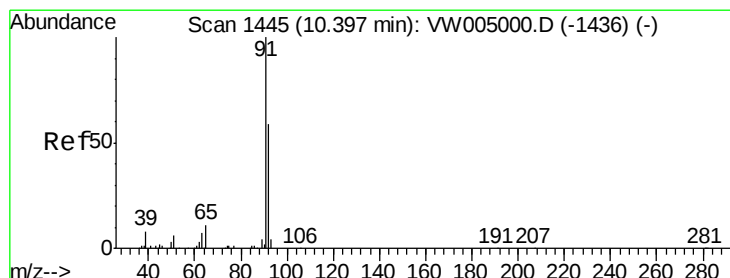
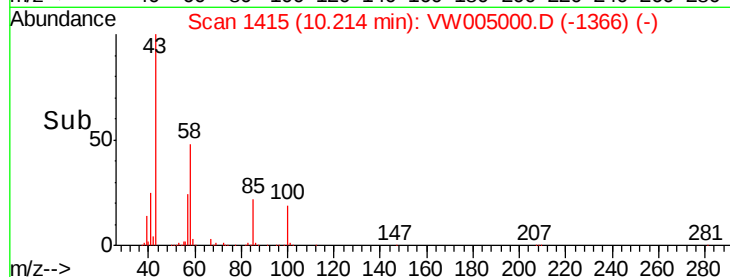
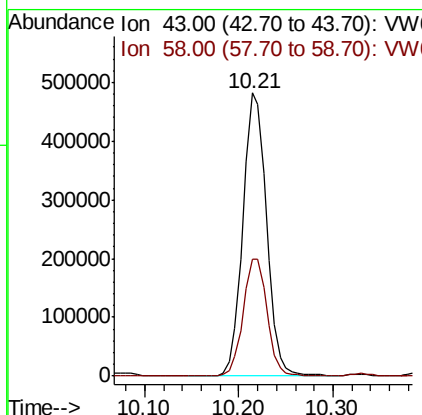
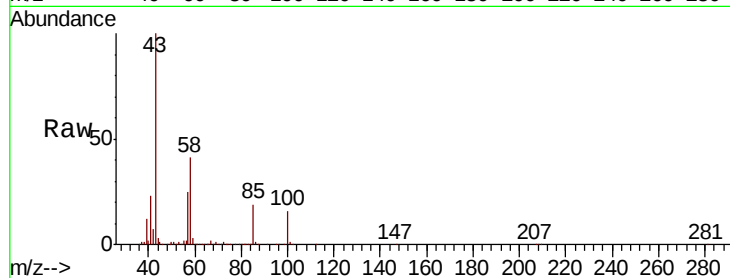




#51
 4-Methyl-2-Pentanone
 Concen: 254.491 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

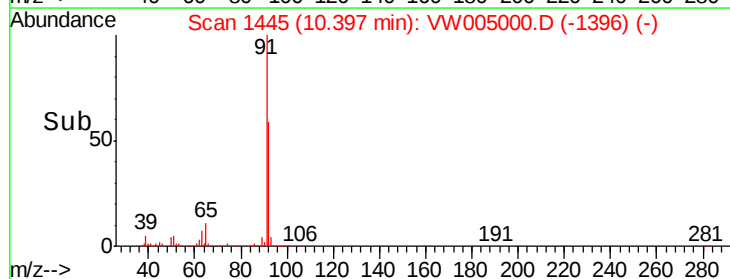
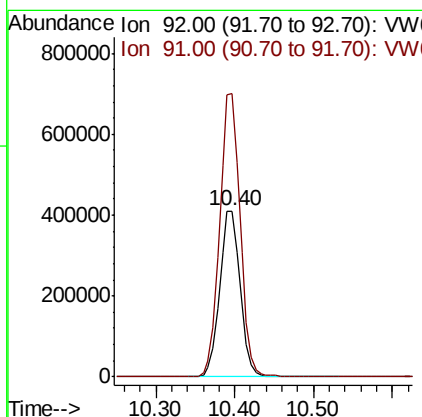
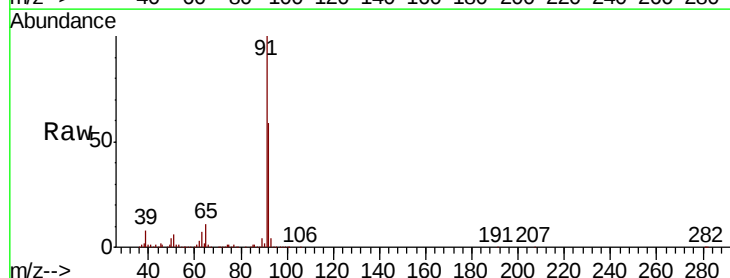
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

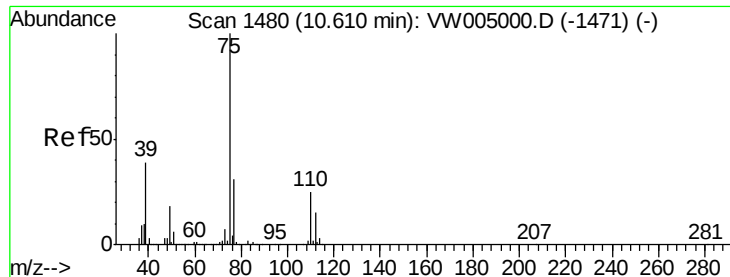
Tgt Ion: 43 Resp: 849949
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.5 50.3



#52
 Toluene
 Concen: 50.012 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 92 Resp: 738430
 Ion Ratio Lower Upper
 92 100
 91 171.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 52.319 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

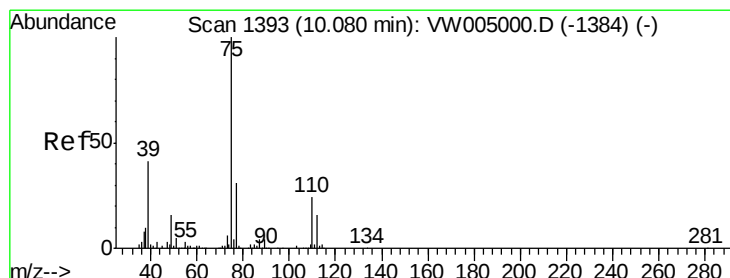
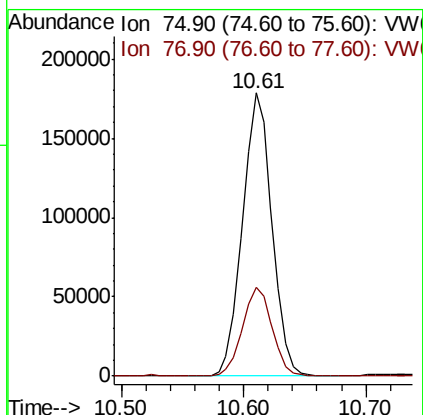
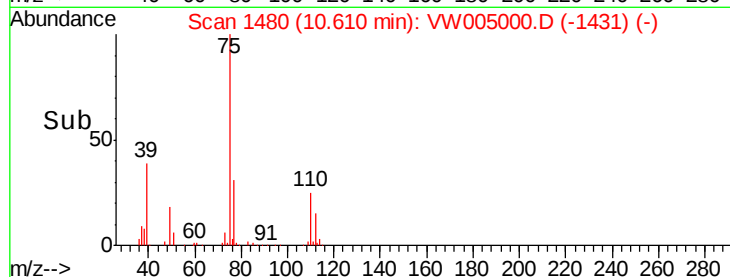
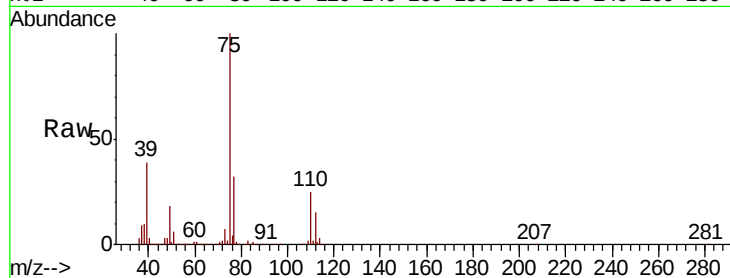
VSTDICCC050

Tgt Ion: 75 Resp: 297546

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 52.955 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

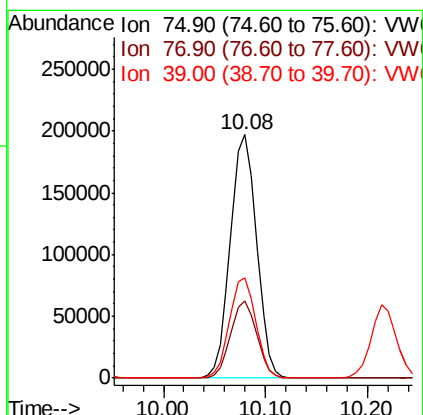
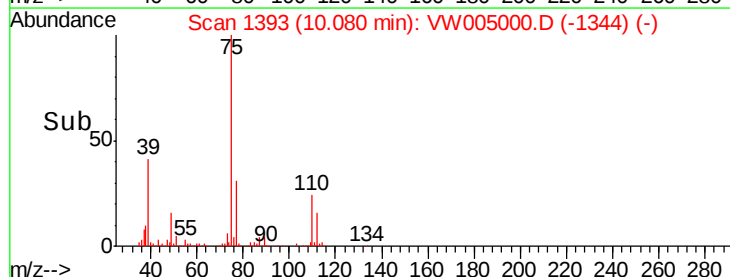
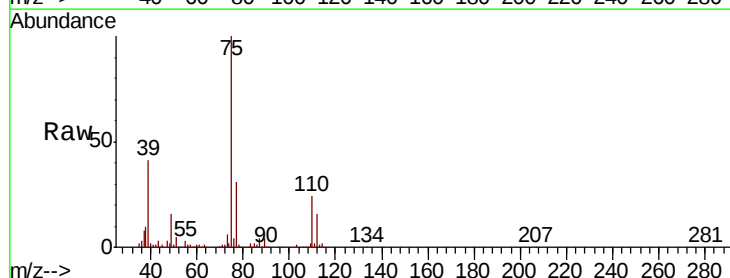
Tgt Ion: 75 Resp: 351188

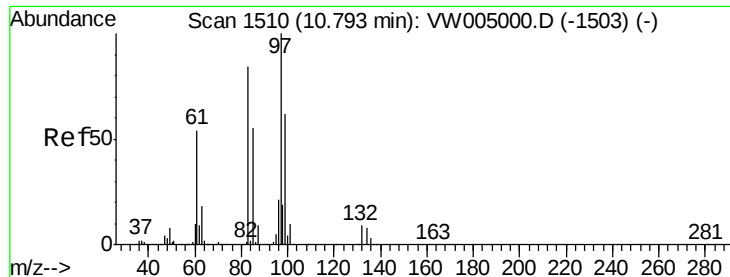
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 41.1 32.9 49.3

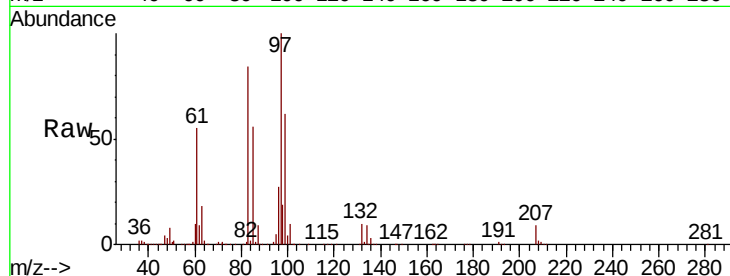




#55
 1,1,2-Trichloroethane
 Concen: 49.426 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	174350
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.3	100.9
85	55.4	44.3	66.5
99	61.7	49.4	74.0



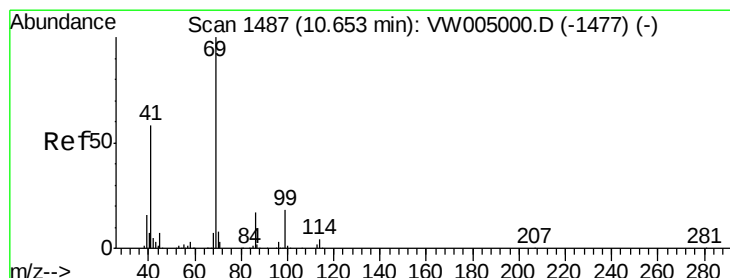
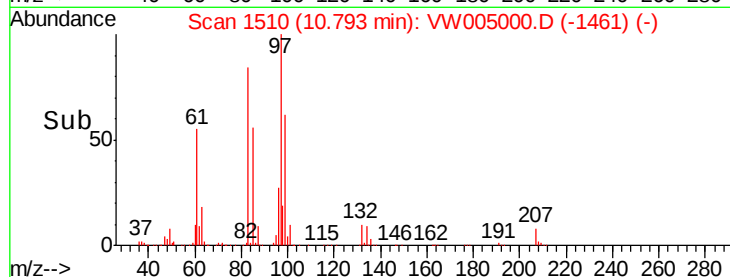
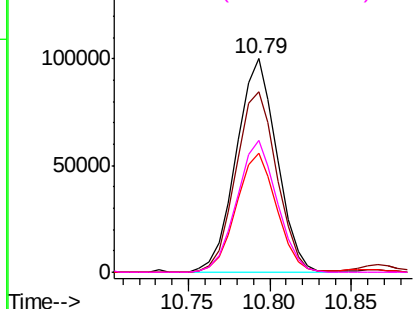
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

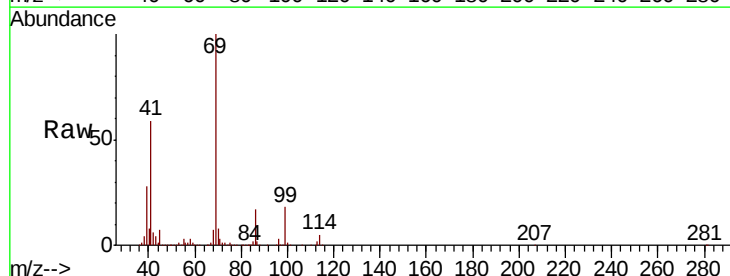
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 51.873 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion:	69	Resp:	240013
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.7	71.5
39	26.3	21.0	31.6

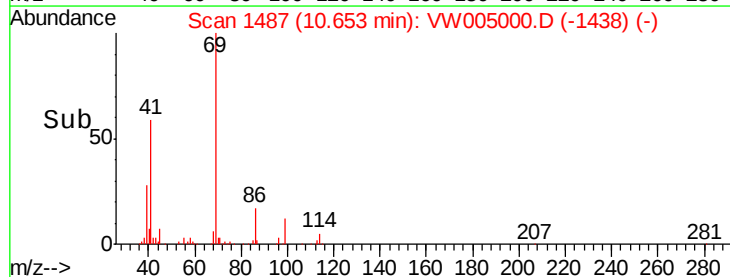
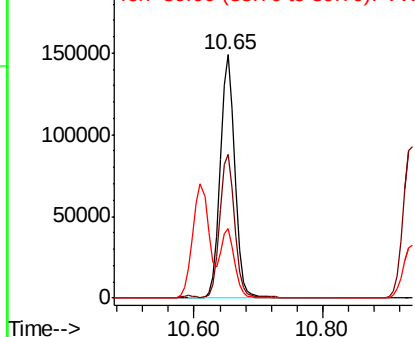


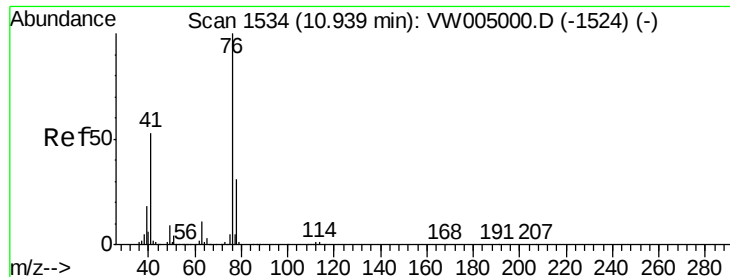
Abundance

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: 51.269 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

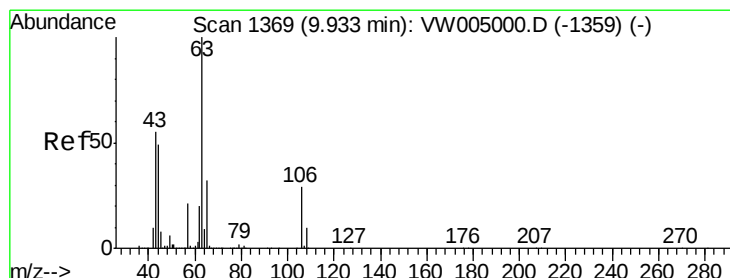
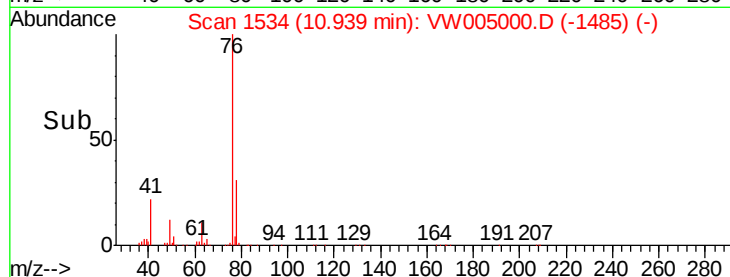
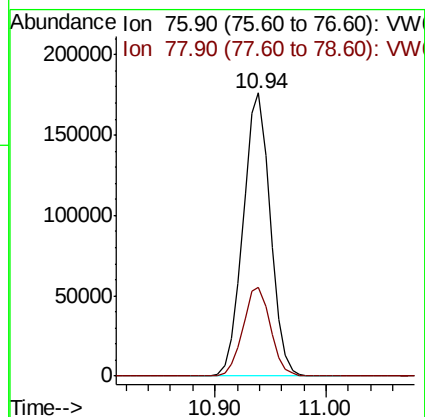
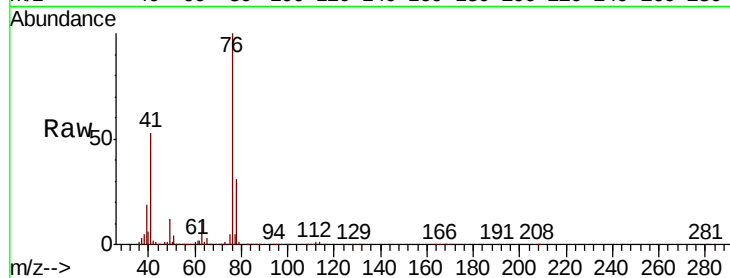
VSTDICCC050

Tgt Ion: 76 Resp: 297592

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 267.722 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW005000.D

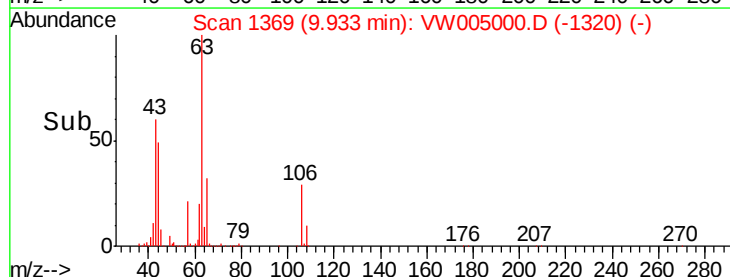
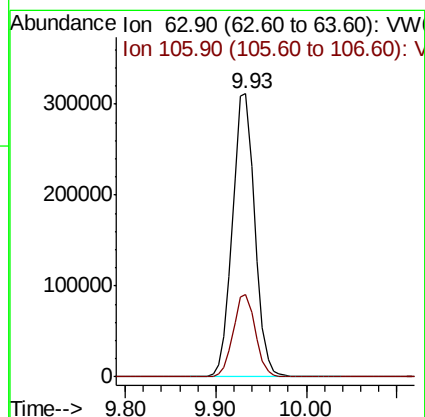
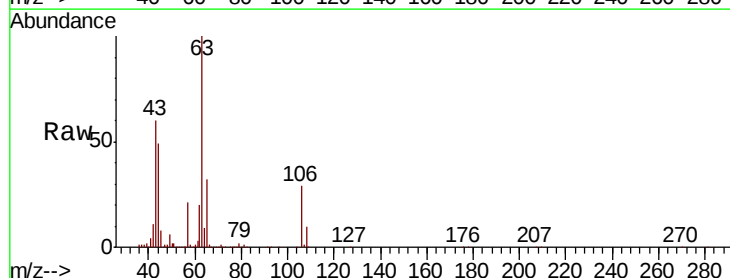
Acq: 29 Aug 2018 13:27

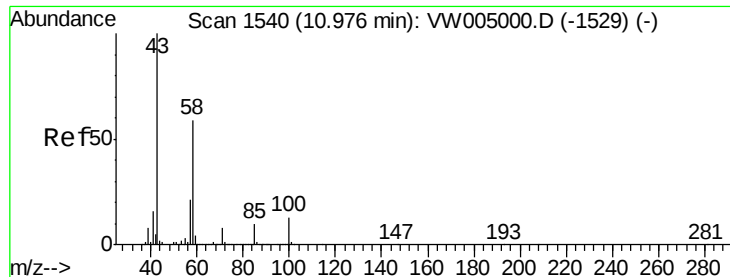
Tgt Ion: 63 Resp: 533670

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8

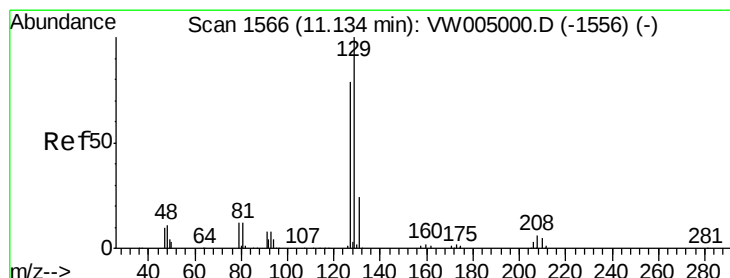
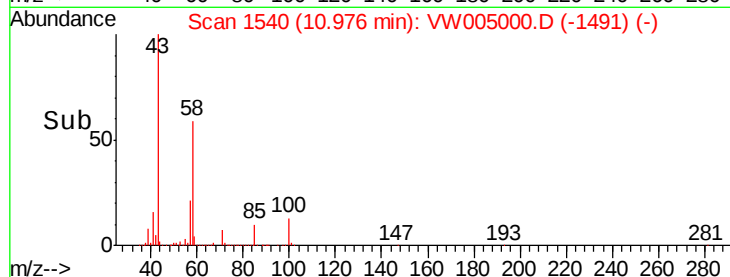
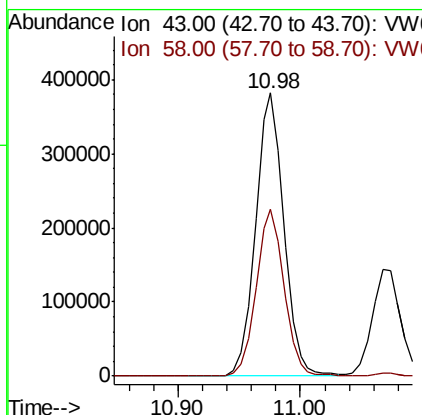
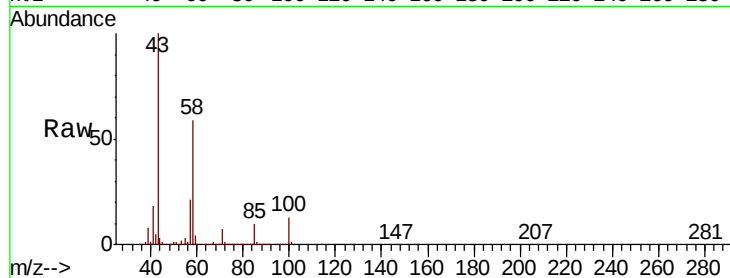




#59
2-Hexanone
Concen: 254.540 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

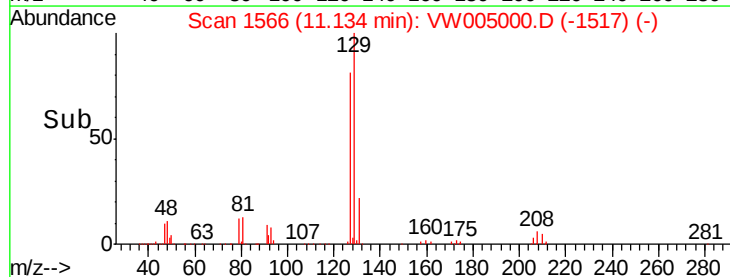
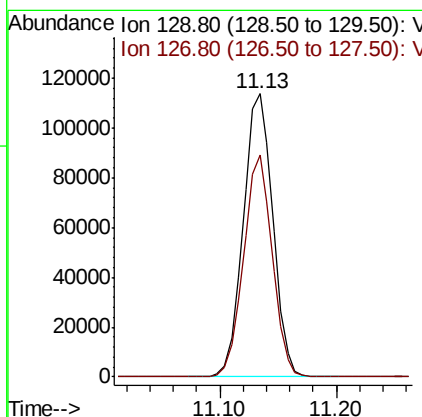
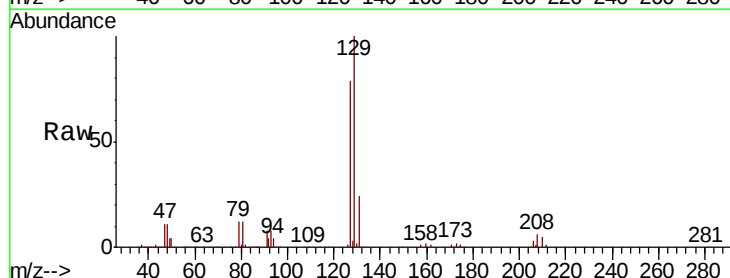
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

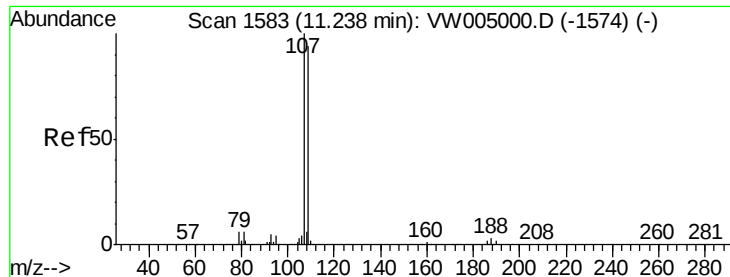
Tgt Ion: 43 Resp: 615511
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 51.873 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 129 Resp: 200822
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.929 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

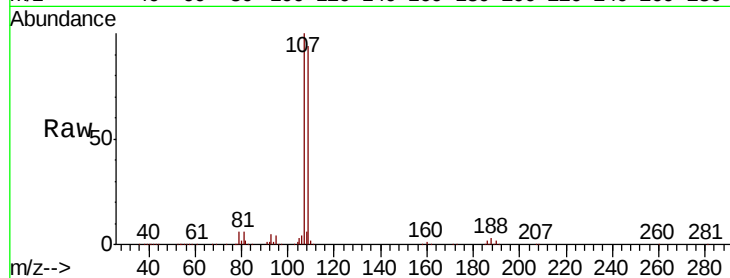
VSTDICCC050

Tgt Ion: 107 Resp: 168425

Ion Ratio Lower Upper

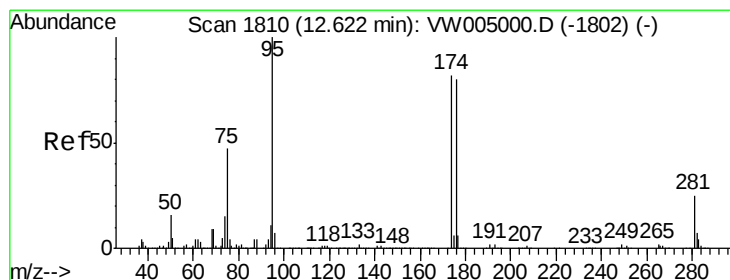
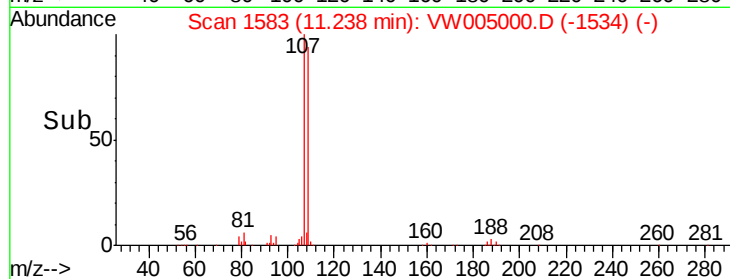
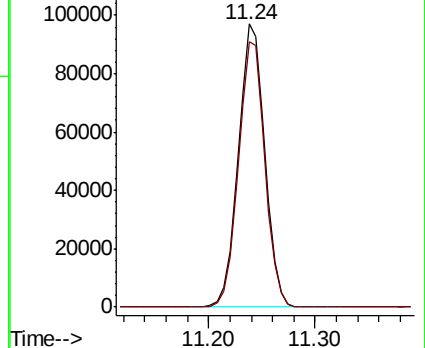
107 100

109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.031 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

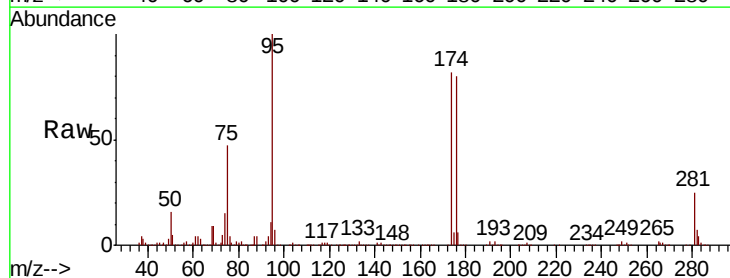
Tgt Ion: 95 Resp: 349601

Ion Ratio Lower Upper

95 100

174 86.7 0.0 173.4

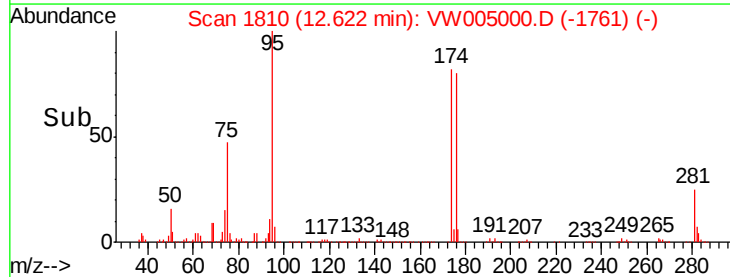
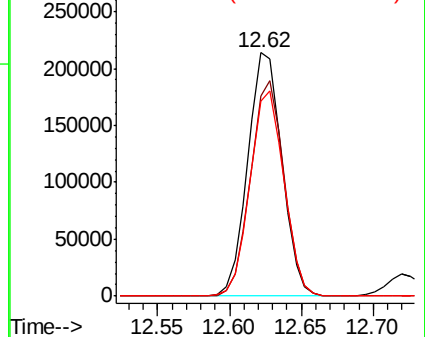
176 83.9 0.0 167.8

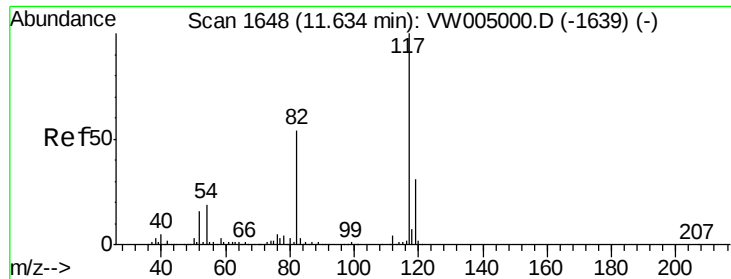


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

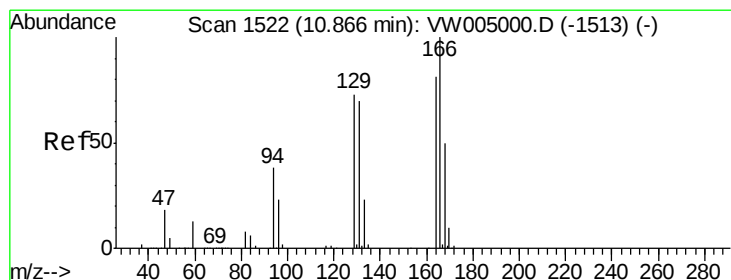
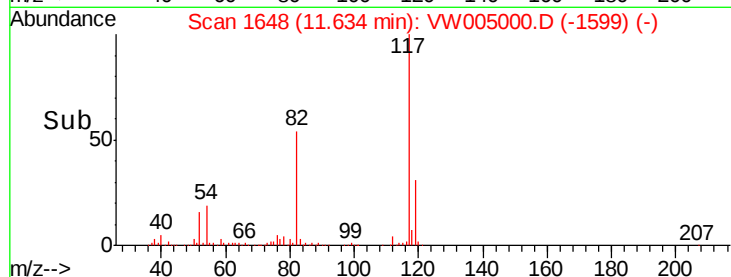
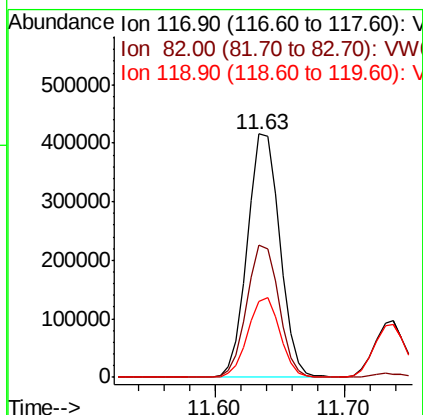
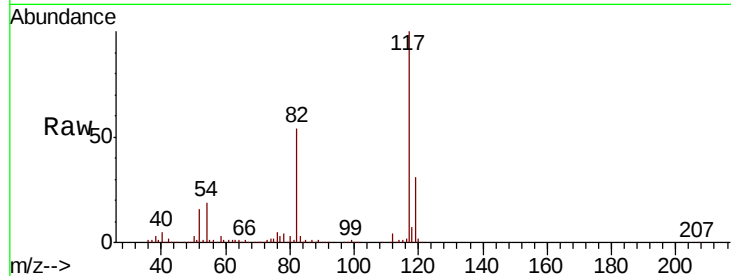




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

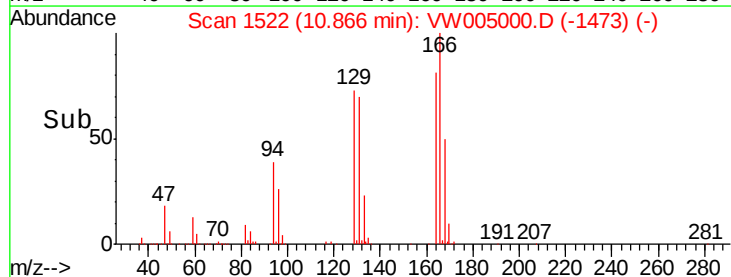
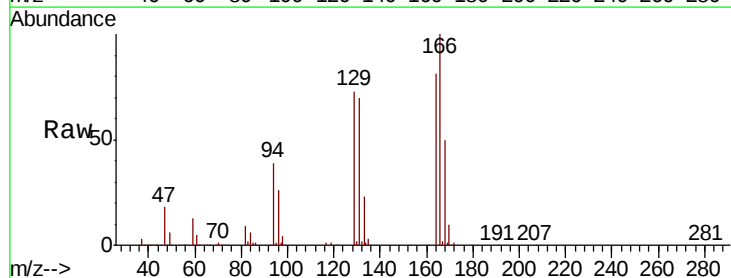
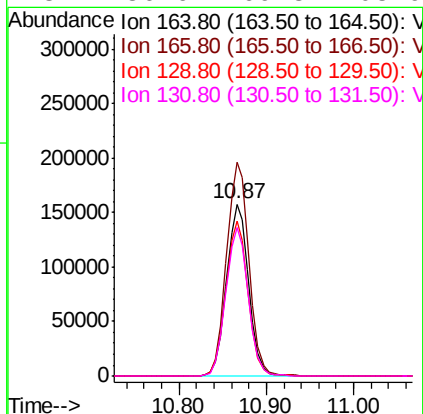
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

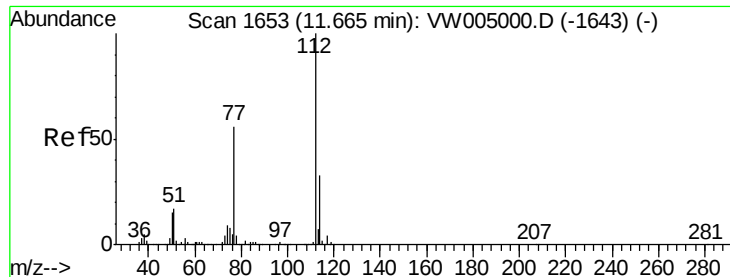
Tgt Ion:117 Resp: 724506
Ion Ratio Lower Upper
117 100
82 54.1 43.3 64.9
119 31.3 25.0 37.6



#64
Tetrachloroethene
Concen: 52.127 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion:164 Resp: 275351
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.0
129 90.2 72.2 108.2
131 86.6 69.3 103.9

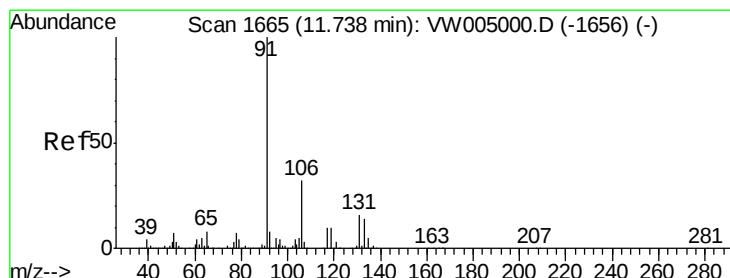
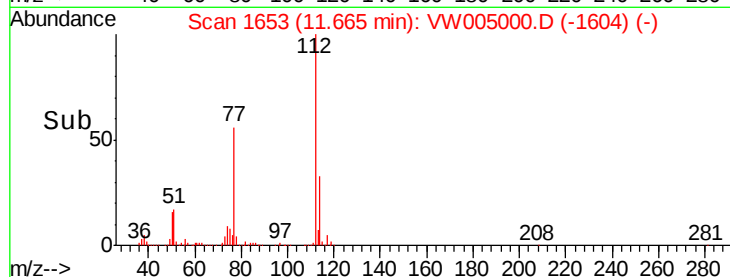
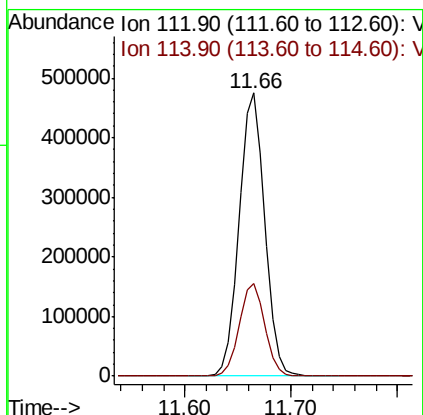
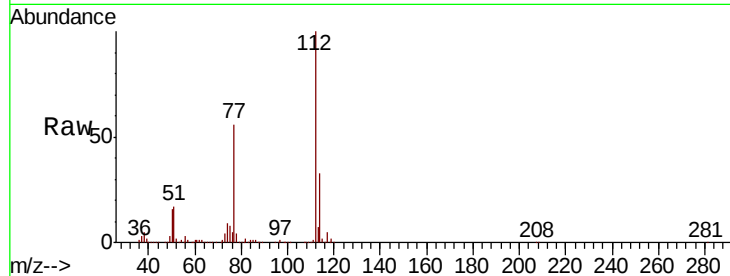




#65
Chlorobenzene
Concen: 50.457 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

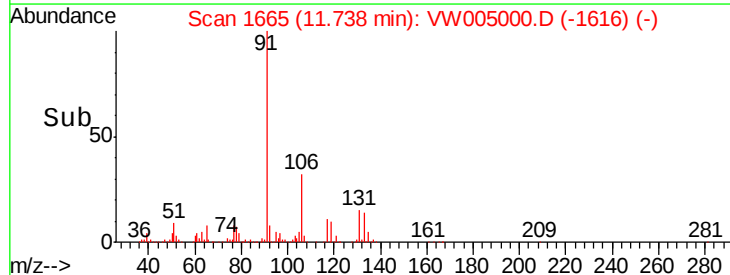
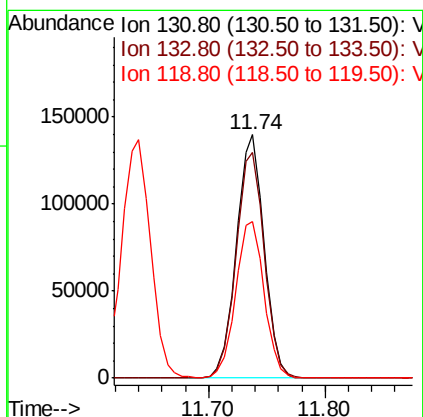
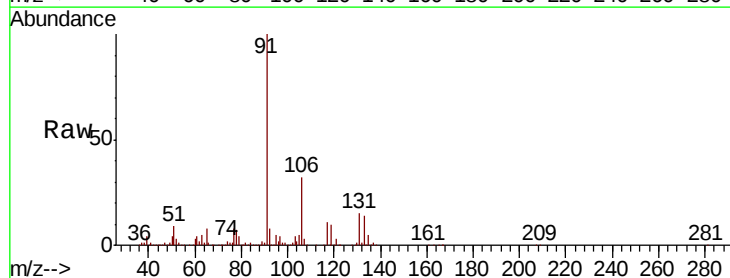
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

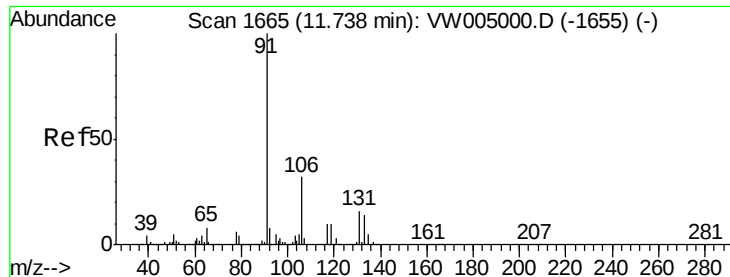
Tgt Ion:112 Resp: 803171
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.946 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion:131 Resp: 231478
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.2 33.1 99.3

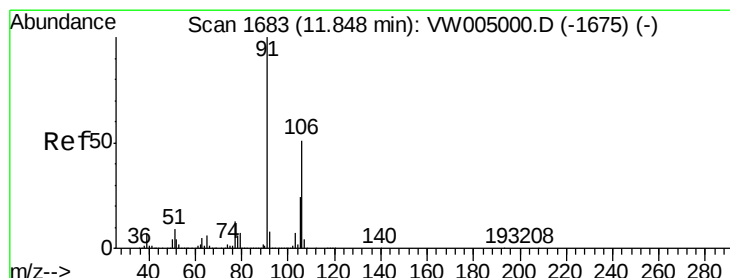
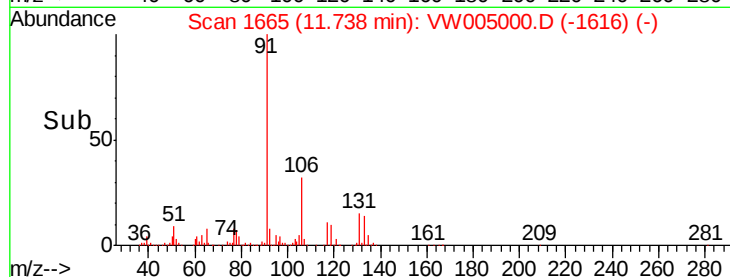
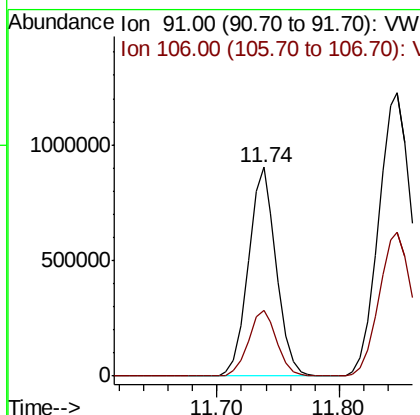
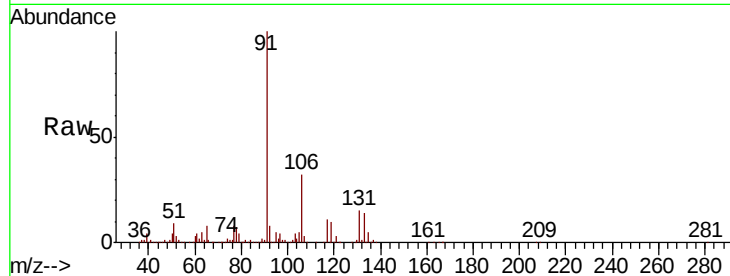




#67
Ethyl Benzene
Concen: 52.231 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

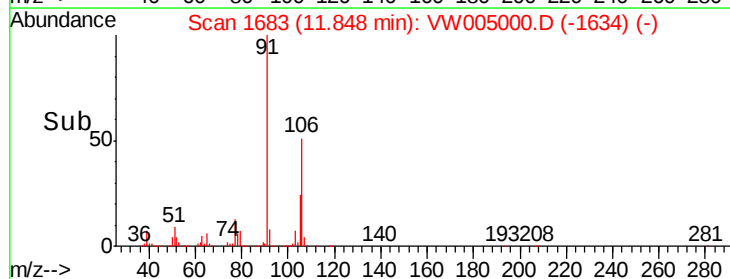
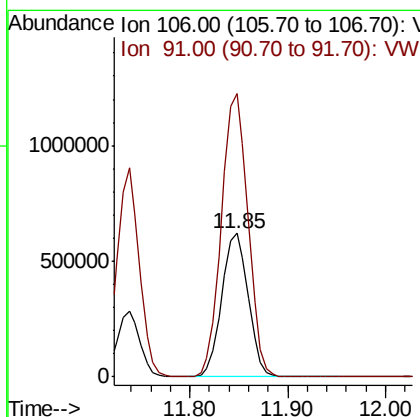
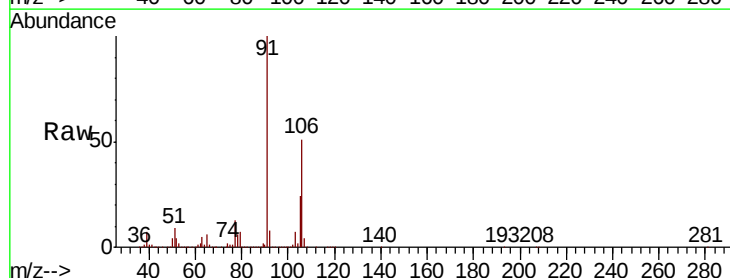
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

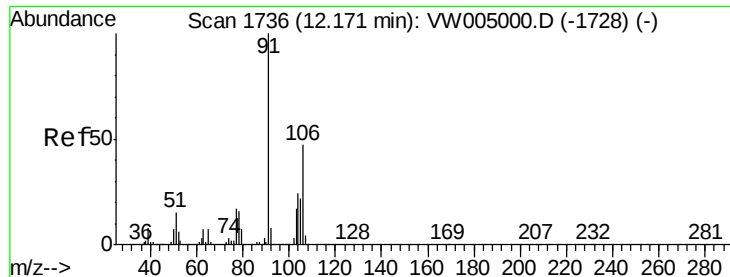
Tgt Ion: 91 Resp: 1423591
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 104.859 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 106 Resp: 1165701
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6

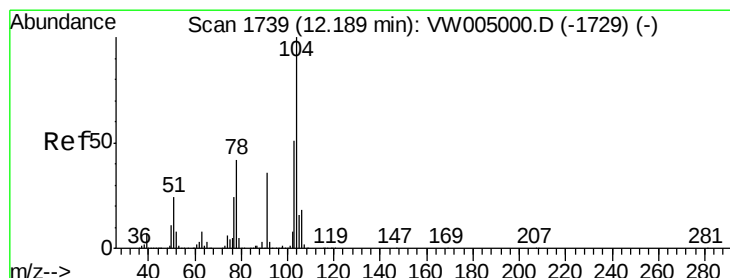
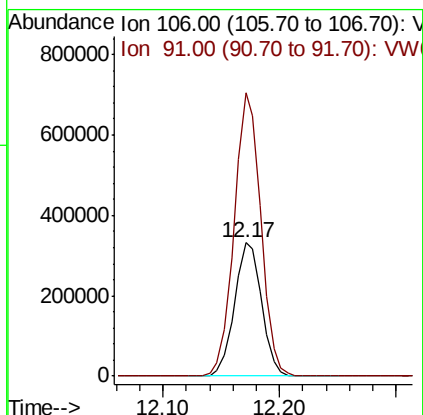
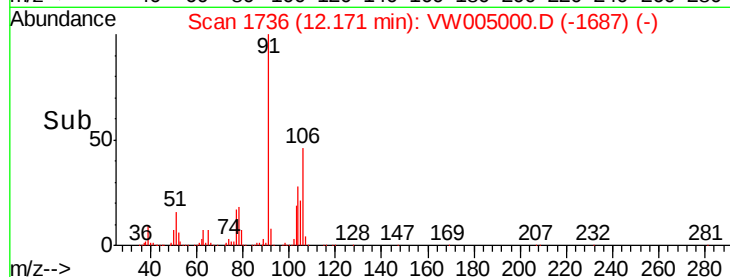
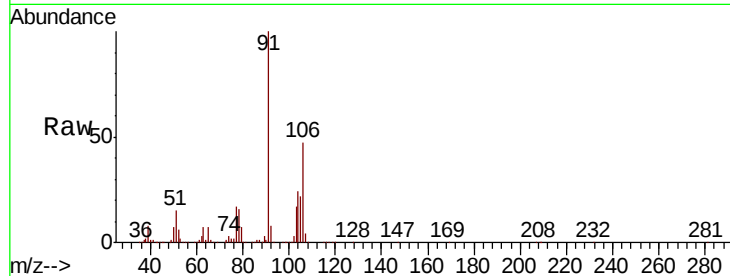




#69
o-Xylene
Concen: 52.913 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

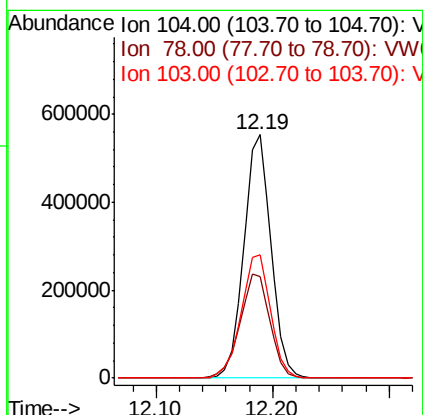
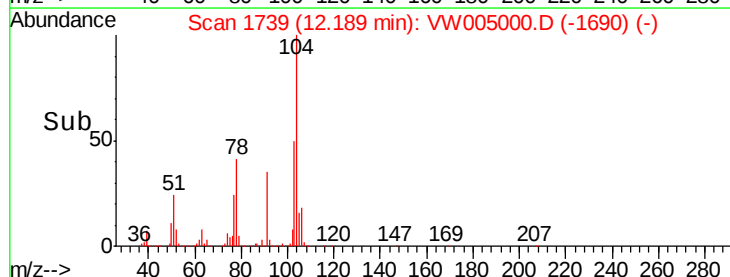
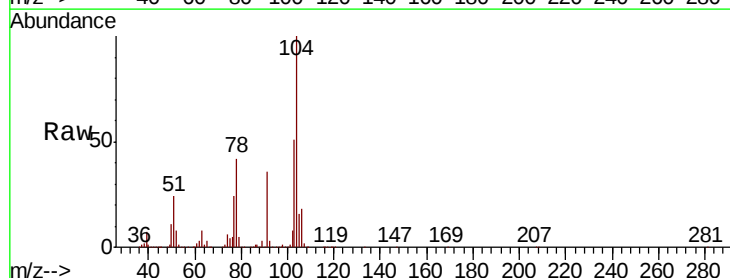
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

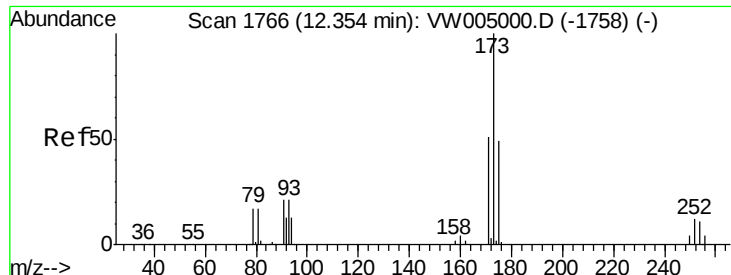
Tgt Ion:106 Resp: 537490
Ion Ratio Lower Upper
106 100
91 208.7 104.4 313.1



#70
Styrene
Concen: 53.500 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion:104 Resp: 901502
Ion Ratio Lower Upper
104 100
78 47.0 37.6 56.4
103 54.9 43.9 65.9





#71

Bromoform

Concen: 52.088 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

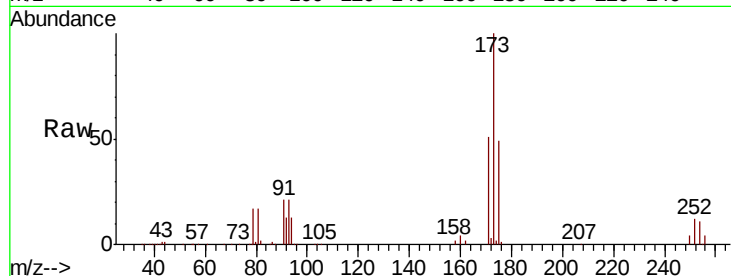
Tgt Ion:173 Resp: 126622

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

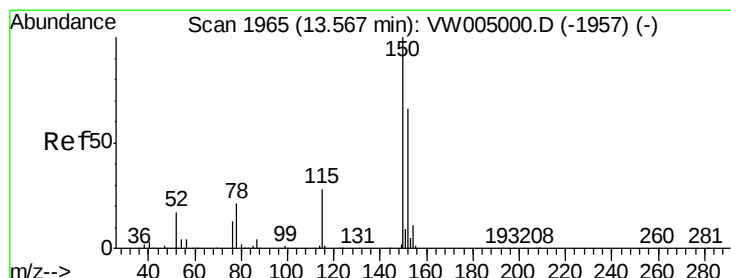
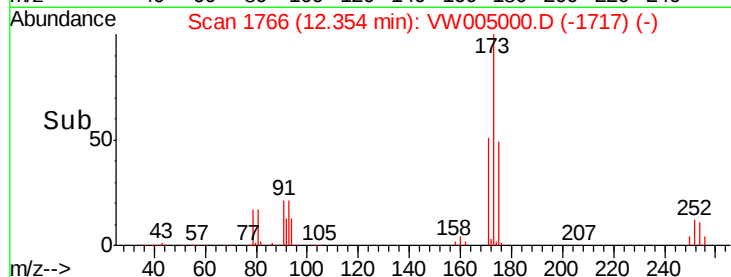
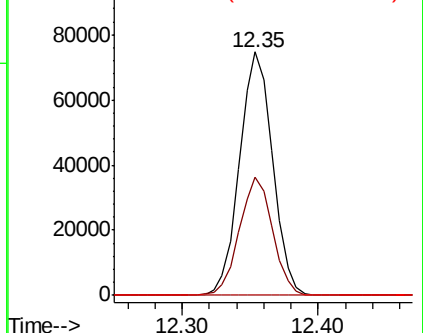
254 0.1 0.1 0.1#



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: VW005000.D

Acq: 29 Aug 2018 13:27

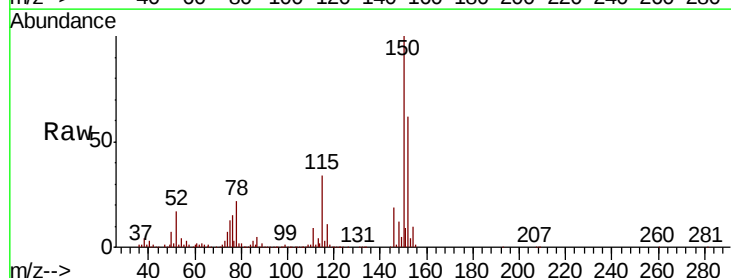
Tgt Ion:152 Resp: 408647

Ion Ratio Lower Upper

152 100

115 55.9 28.0 83.9

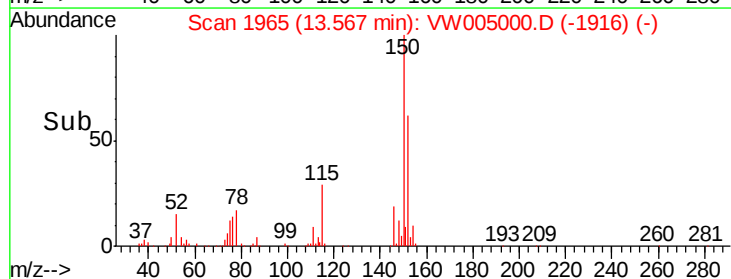
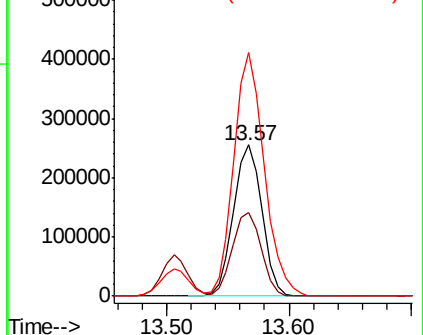
150 173.6 0.0 347.2

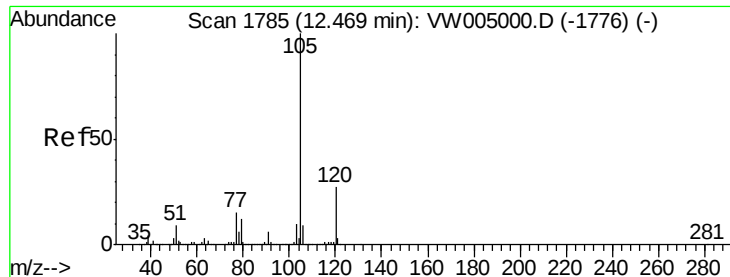


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.036 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

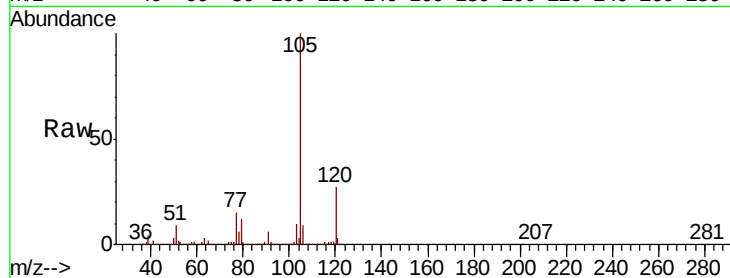
VSTDICCC050

Tgt Ion:105 Resp: 1444753

Ion Ratio Lower Upper

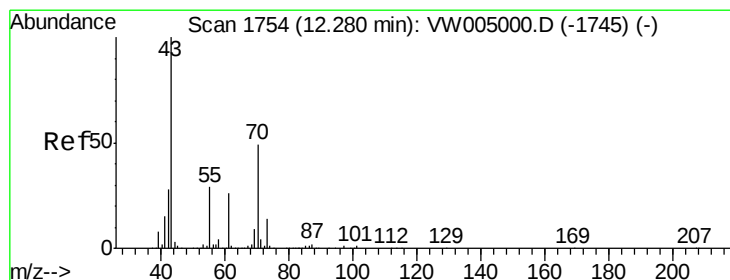
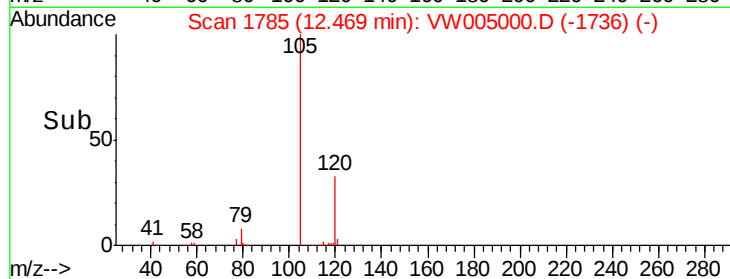
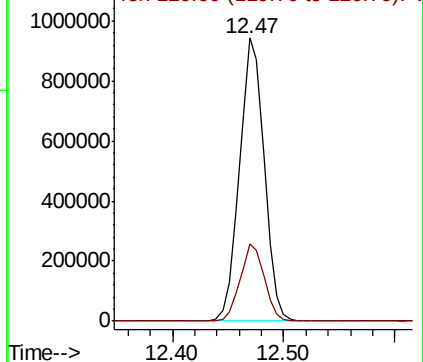
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.909 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Tgt Ion: 43 Resp: 266848

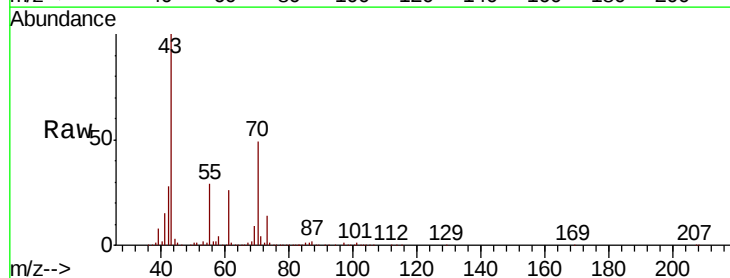
Ion Ratio Lower Upper

43 100

70 48.2 38.6 57.8

55 29.5 23.6 35.4

61 26.3 21.0 31.6

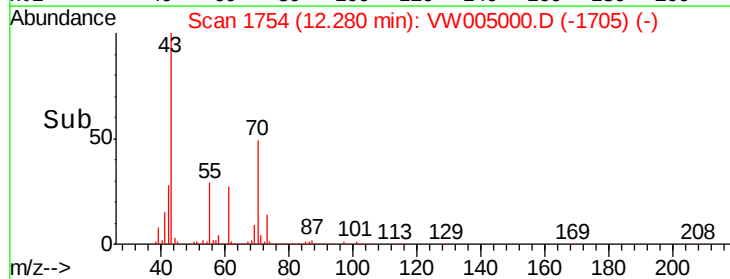
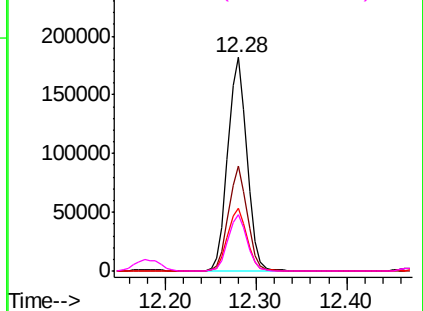


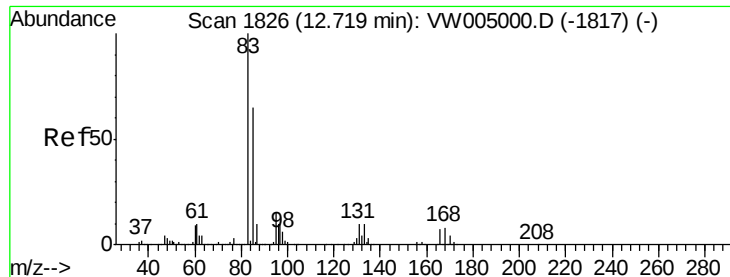
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 51.409 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

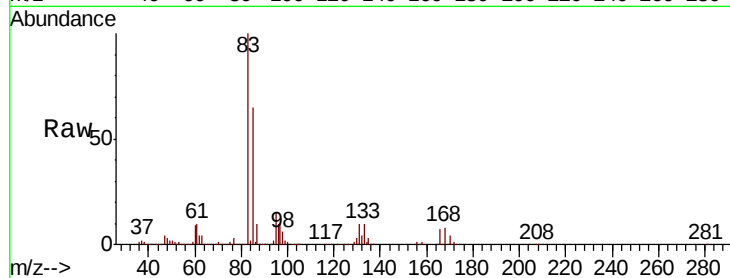
Tgt Ion: 83 Resp: 212040

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

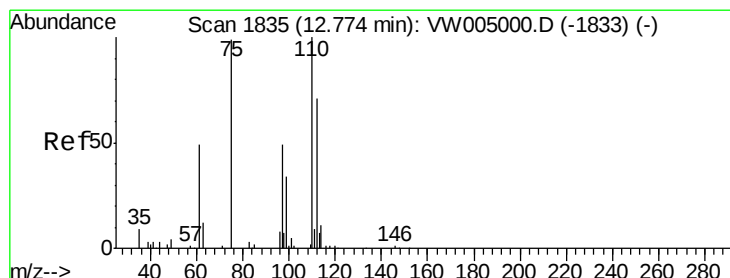
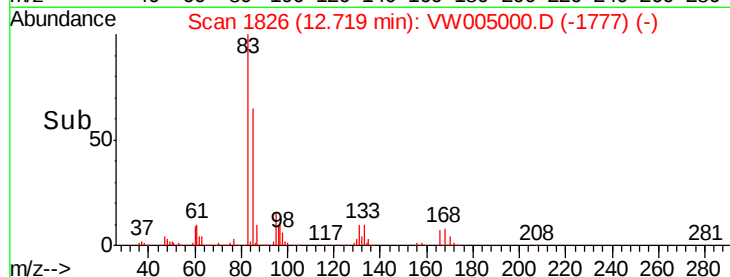
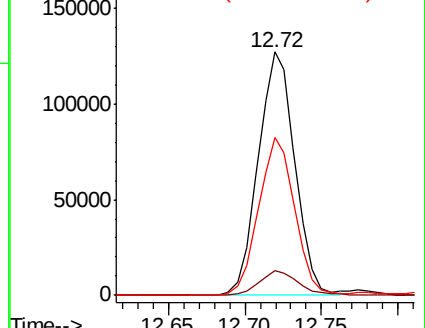
85 63.9 31.9 95.9



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: 55.854 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW005000.D

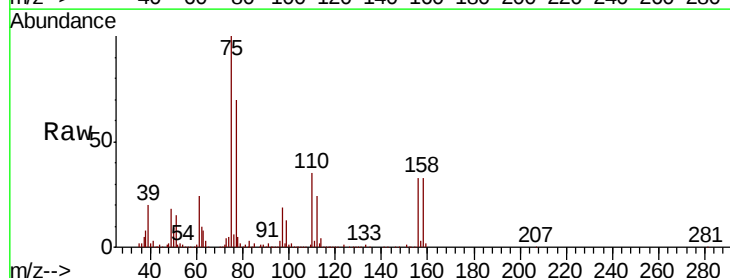
Acq: 29 Aug 2018 13:27

Tgt Ion: 75 Resp: 284912

Ion Ratio Lower Upper

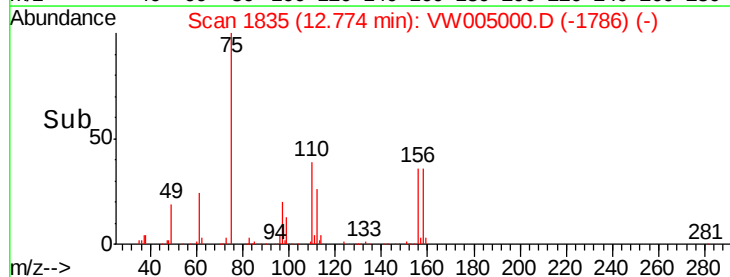
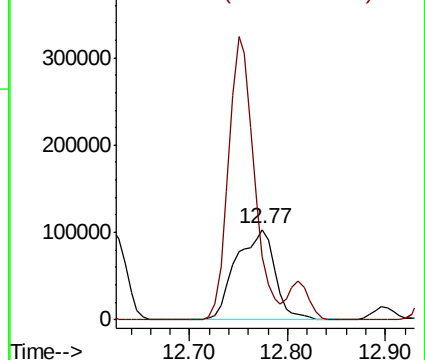
75 100

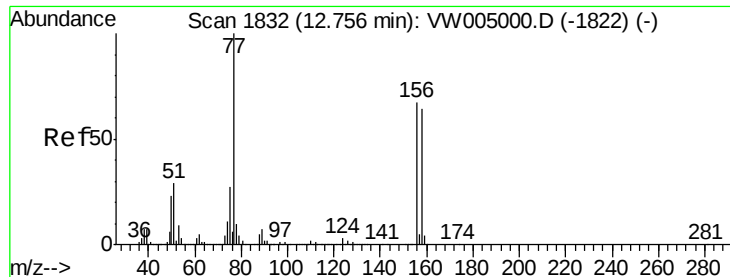
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

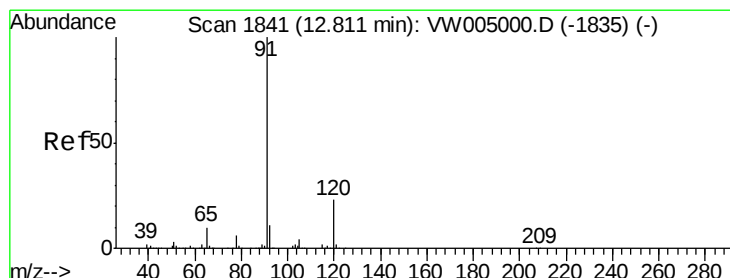
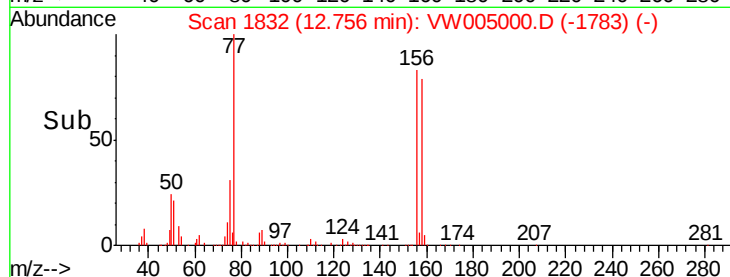
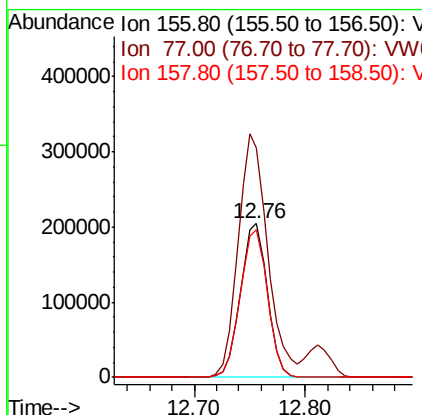
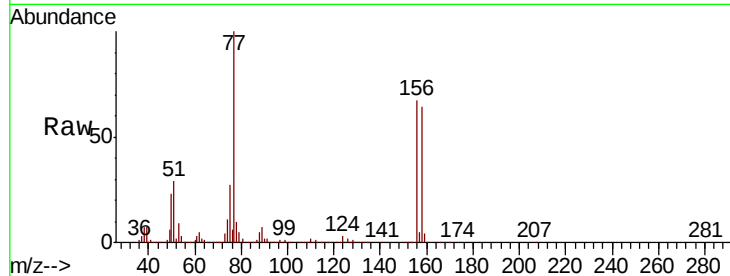




#77
Bromobenzene
Concen: 51.119 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

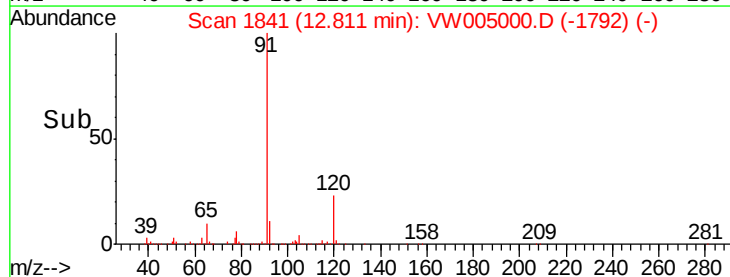
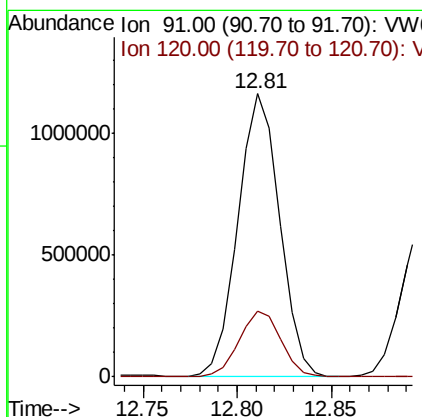
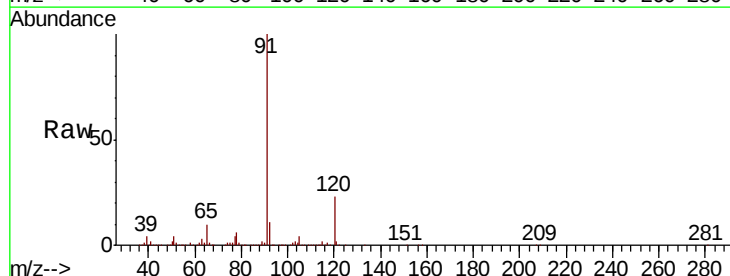
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

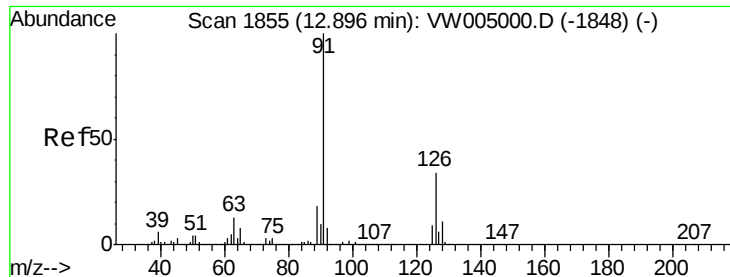
Tgt Ion:156 Resp: 341670
Ion Ratio Lower Upper
156 100
77 173.7 86.9 260.6
158 97.3 48.6 145.9



#78
n-propylbenzene
Concen: 52.990 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 91 Resp: 1780552
Ion Ratio Lower Upper
91 100
120 23.4 11.7 35.1

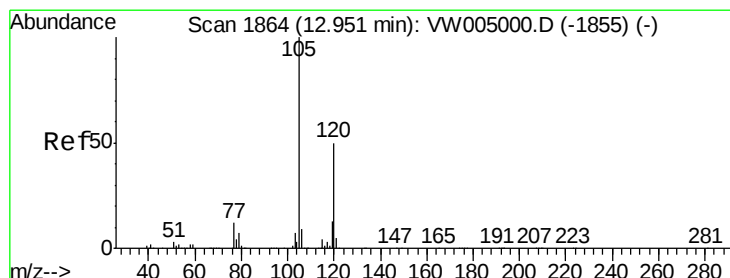
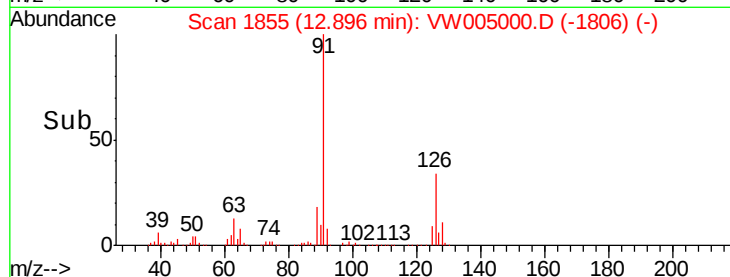
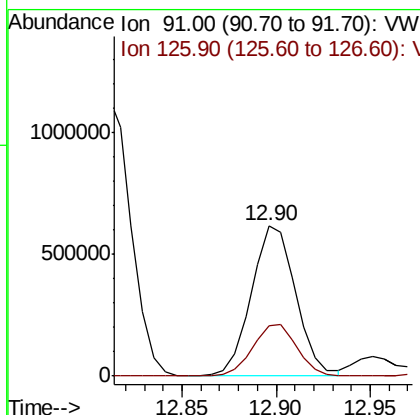
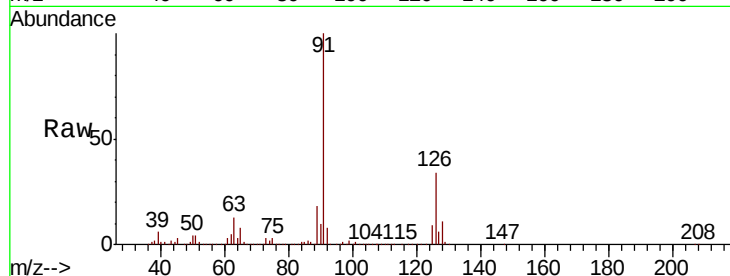




#79
 2-Chlorotoluene
 Concen: 51.886 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

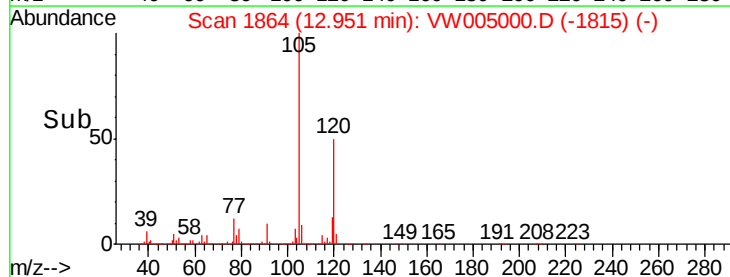
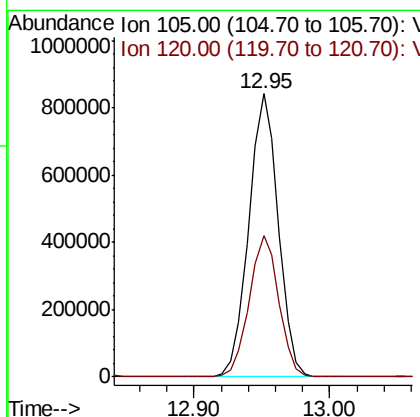
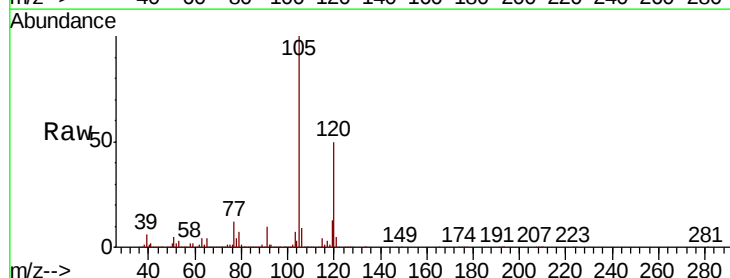
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

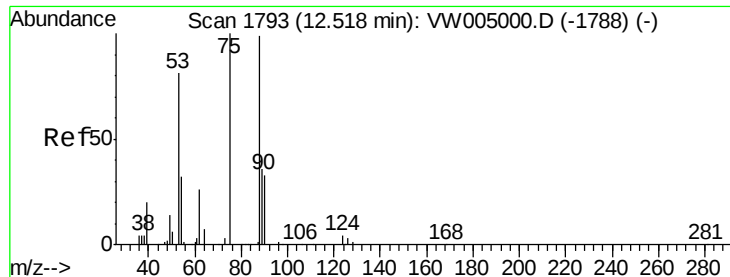
Tgt Ion: 91 Resp: 1006963
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 53.026 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion: 105 Resp: 1276219
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.3

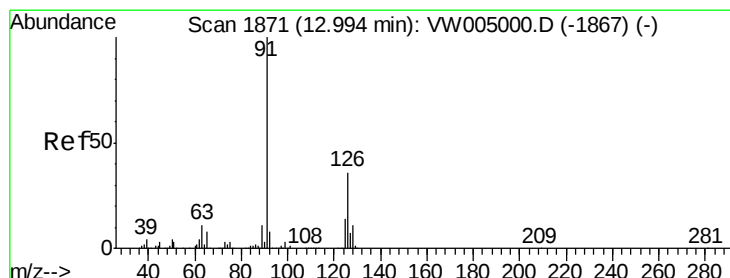
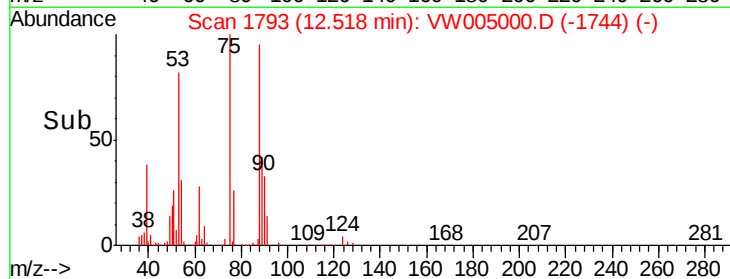
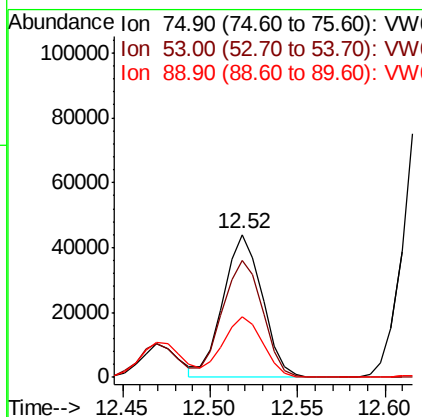
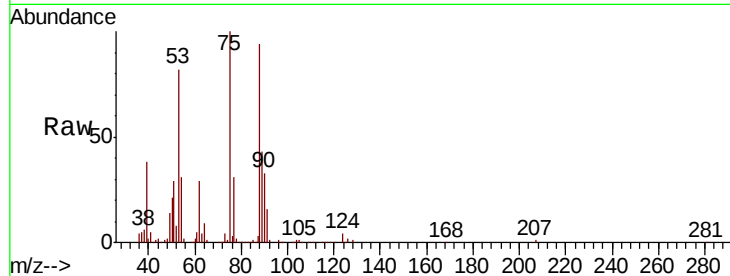




#81
trans-1,4-Dichloro-2-butene
Concen: 52.993 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

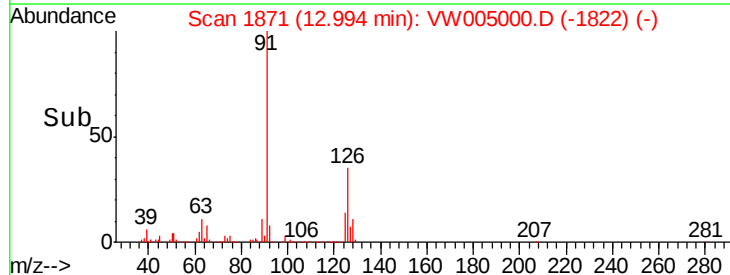
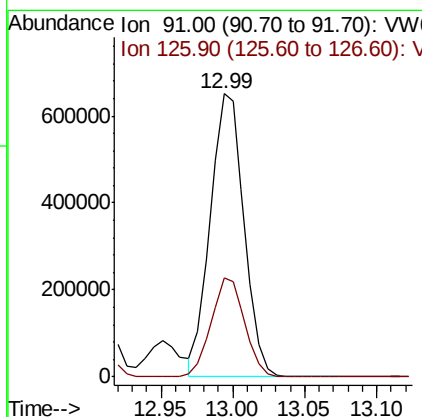
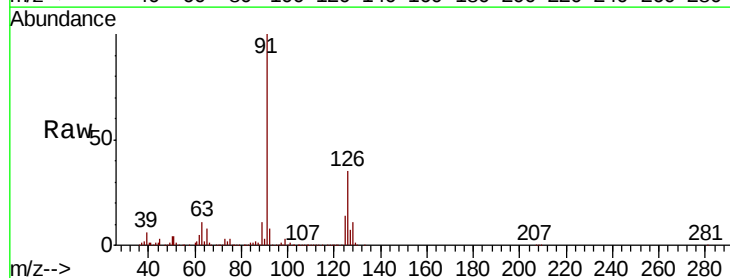
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

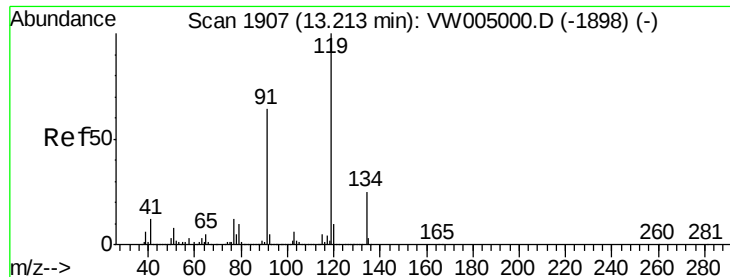
Tgt Ion: 75 Resp: 67864
Ion Ratio Lower Upper
75 100
53 84.3 67.4 101.2
89 43.8 35.0 52.6



#82
4-Chlorotoluene
Concen: 51.230 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion: 91 Resp: 1059304
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.5

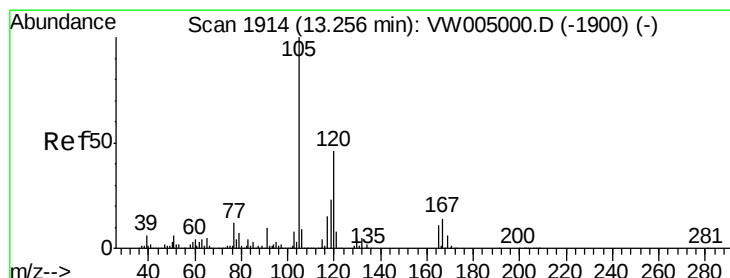
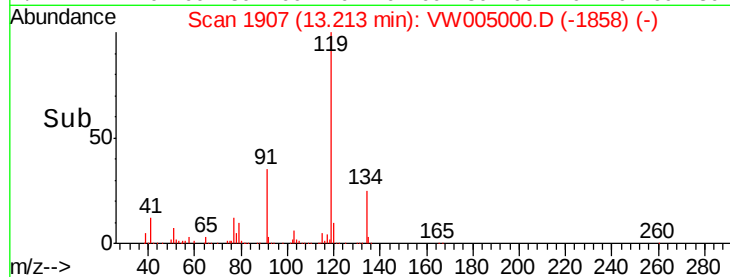
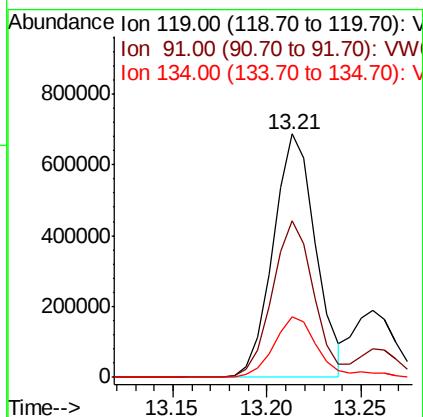
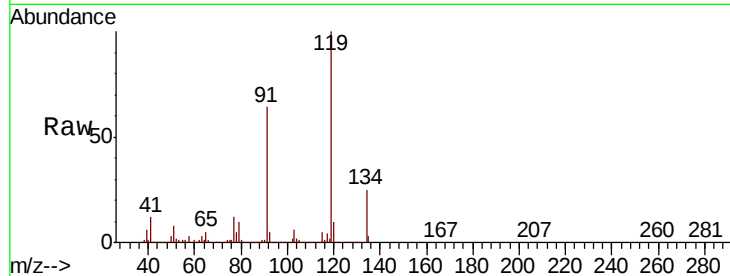




#83
tert-Butylbenzene
Concen: 52.950 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

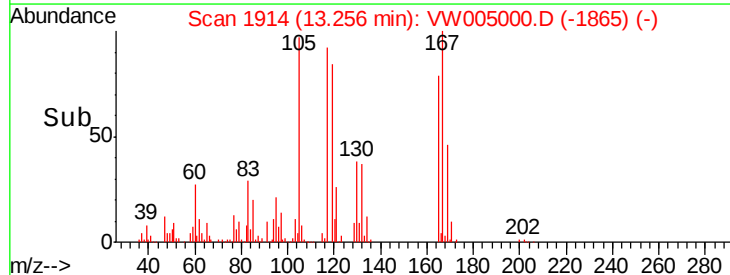
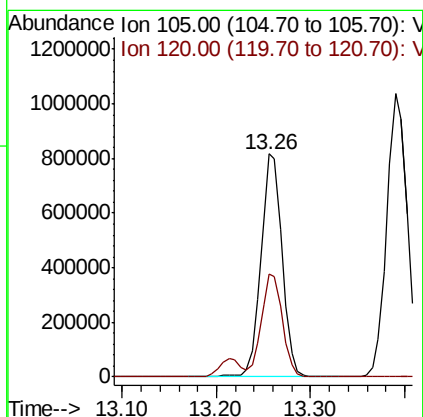
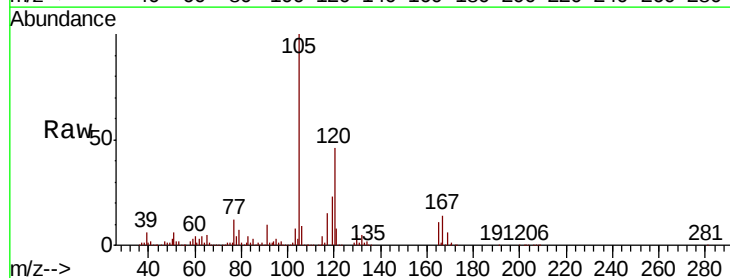
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

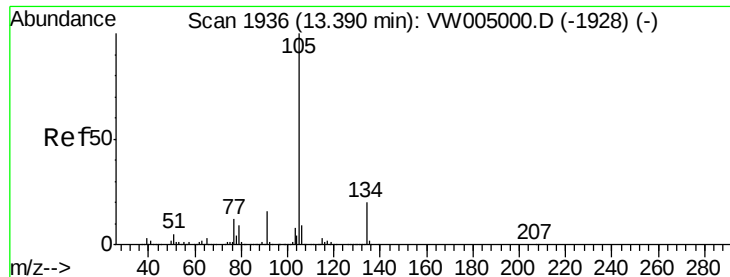
Tgt Ion:119 Resp: 1070371
Ion Ratio Lower Upper
119 100
91 63.7 31.9 95.5
134 26.3 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 52.983 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion:105 Resp: 1293867
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 52.961 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

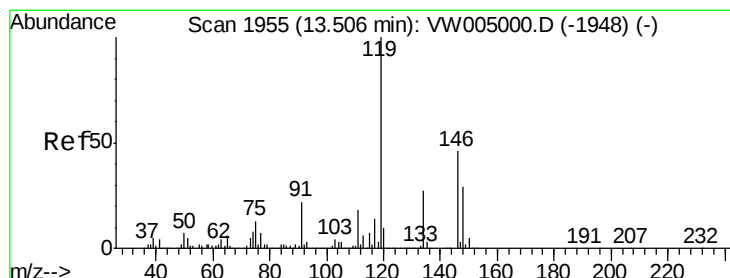
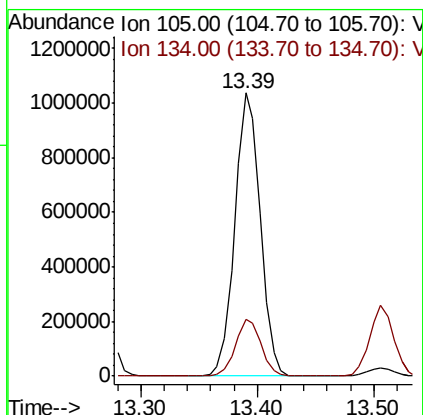
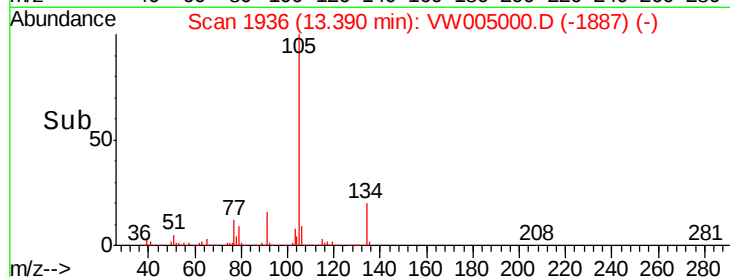
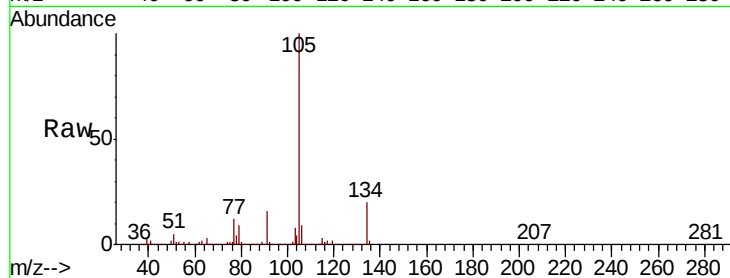
VSTDICCC050

Tgt Ion:105 Resp: 1571561

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 53.460 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

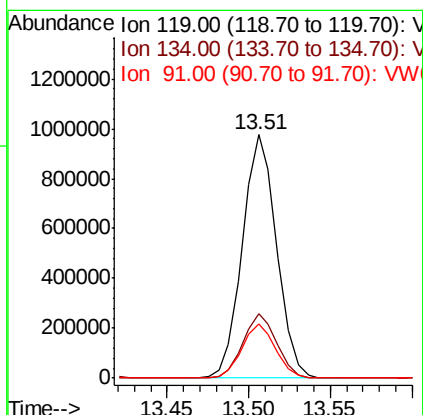
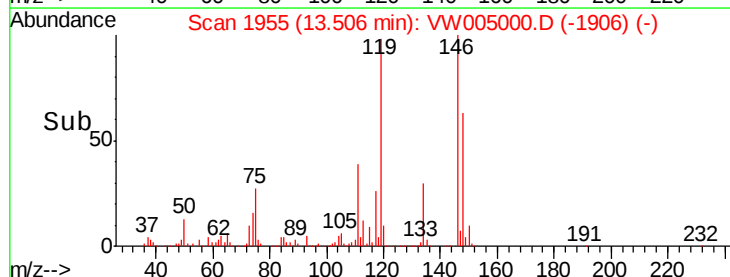
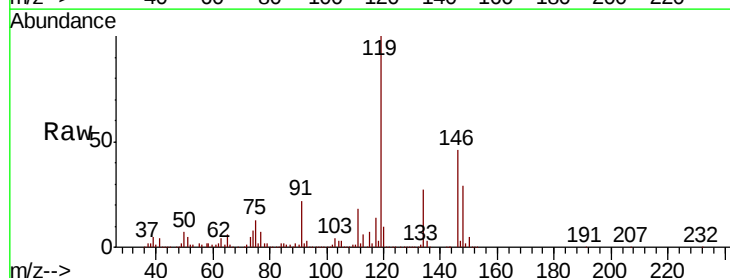
Tgt Ion:119 Resp: 1421245

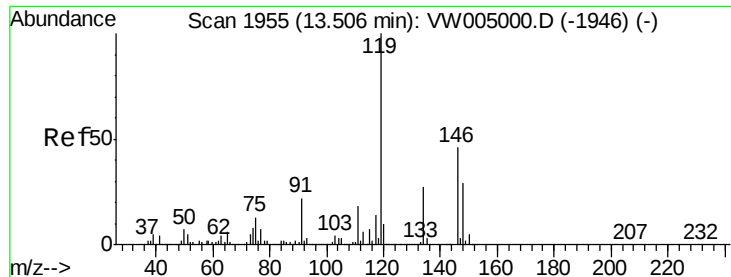
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 21.9 10.9 32.9

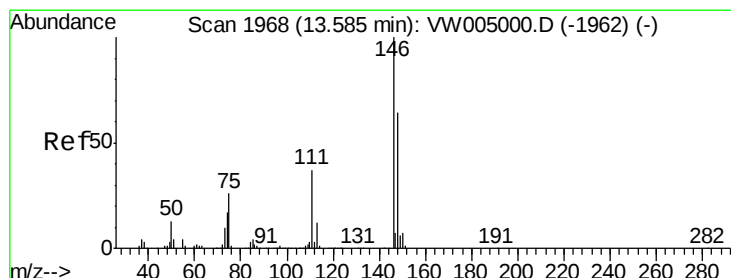
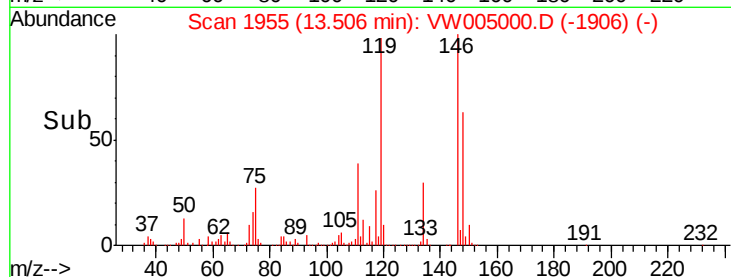
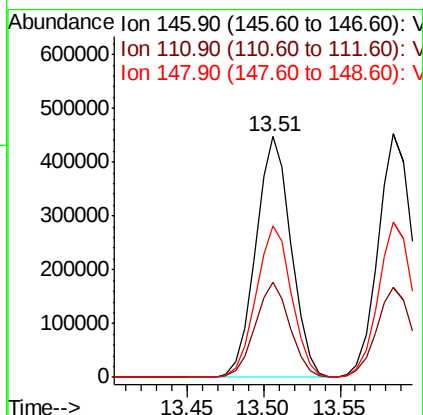
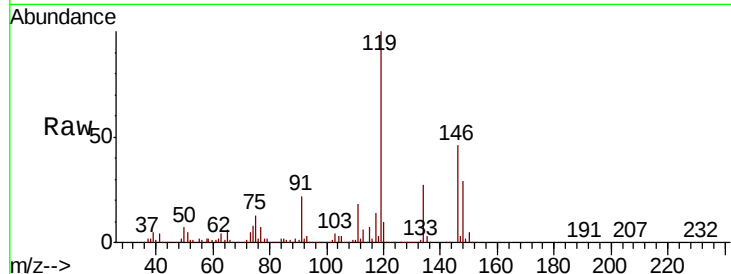




#87
 1,3-Dichlorobenzene
 Concen: 50.705 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

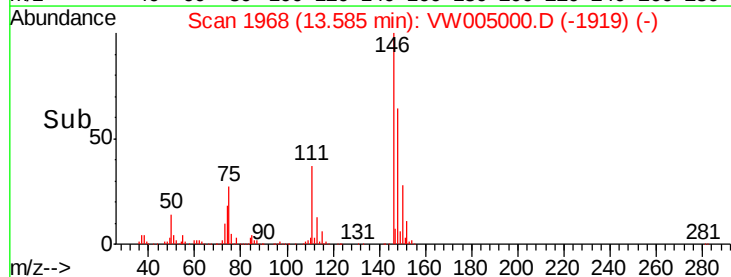
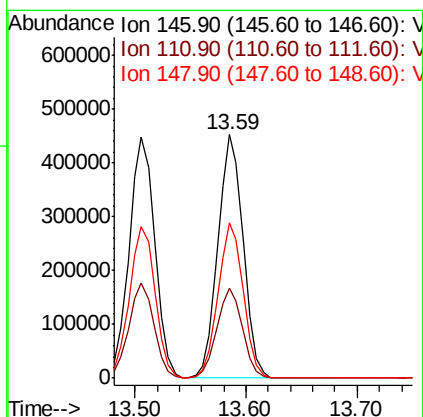
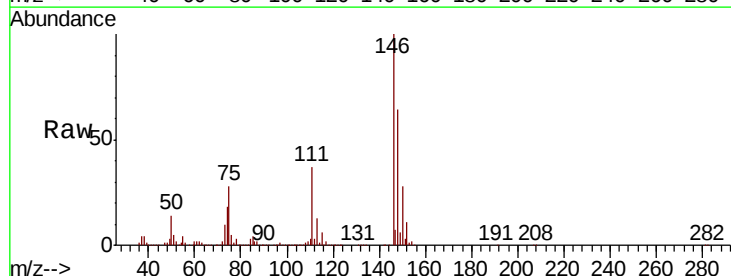
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

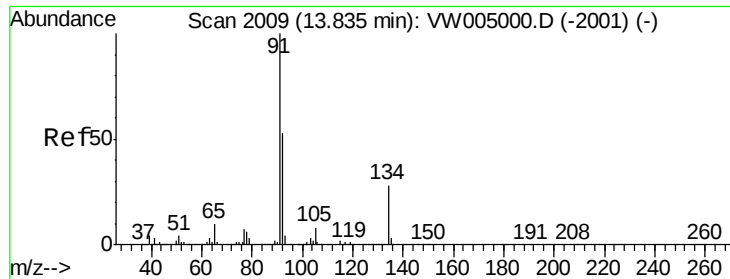
Tgt Ion:146 Resp: 718455
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.8
 148 63.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 50.405 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion:146 Resp: 707440
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 63.4 31.7 95.1





#89

n-Butylbenzene

Concen: 53.333 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW005000.D

Acq: 29 Aug 2018 13:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

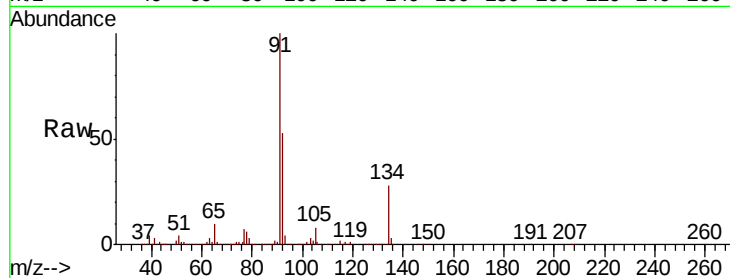
Tgt Ion: 91 Resp: 1331027

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

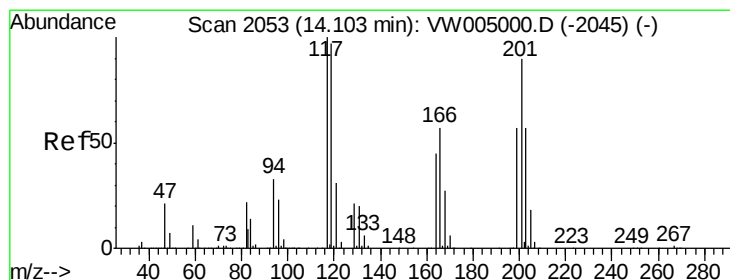
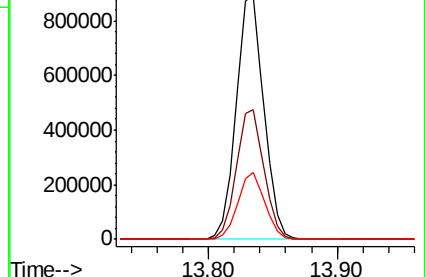
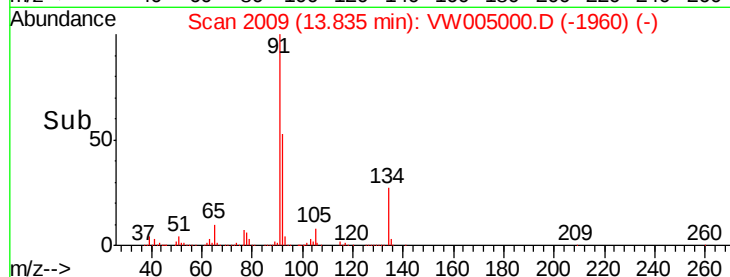
134 26.7 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.900 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW005000.D

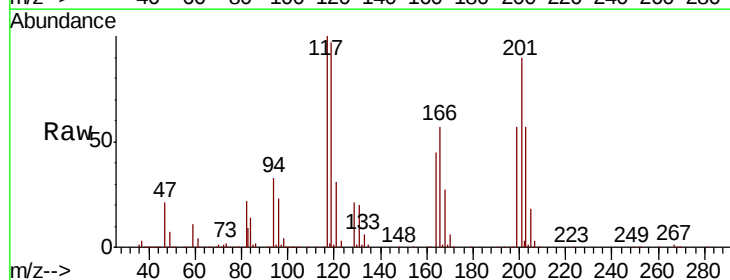
Acq: 29 Aug 2018 13:27

Tgt Ion: 117 Resp: 216889

Ion Ratio Lower Upper

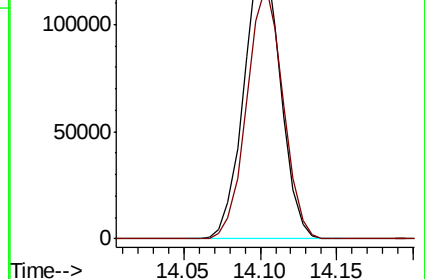
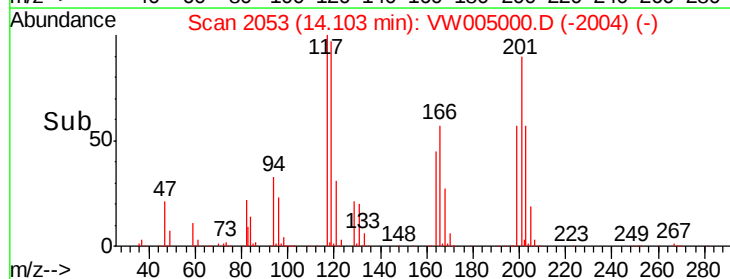
117 100

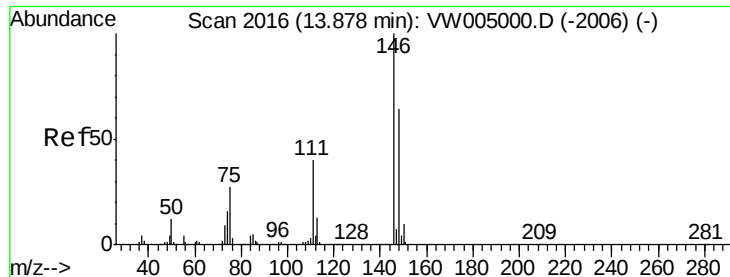
201 88.5 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

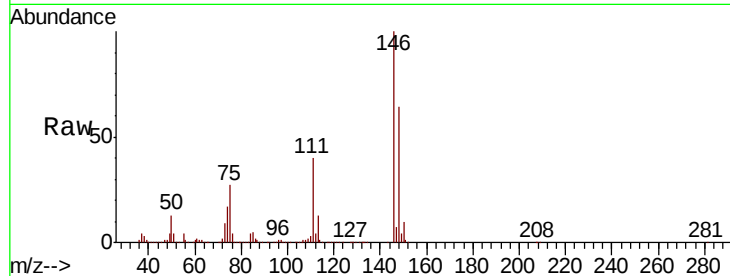




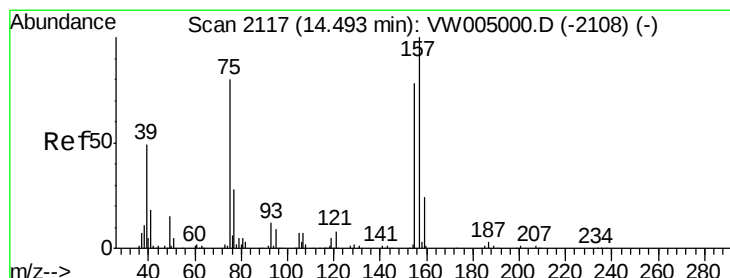
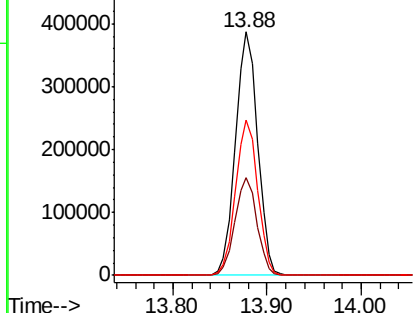
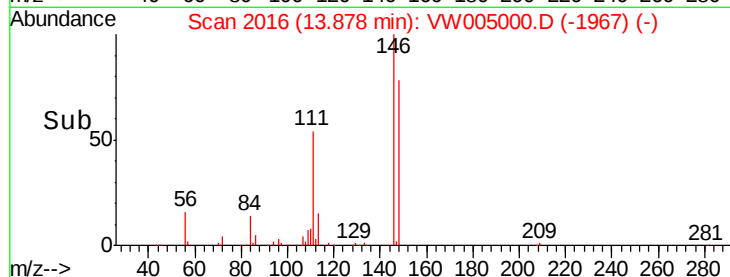
#91
 1,2-Dichlorobenzene
 Concen: 50.651 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.8	31.9	95.7

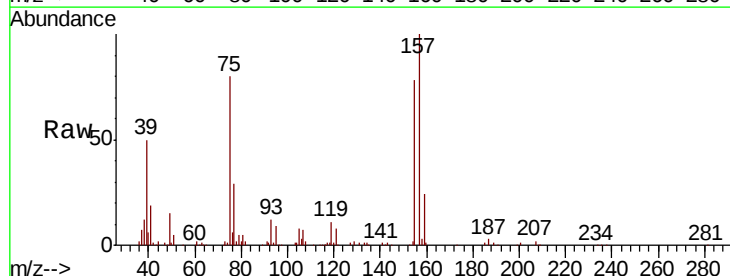


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

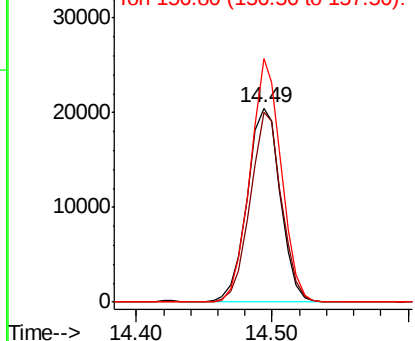
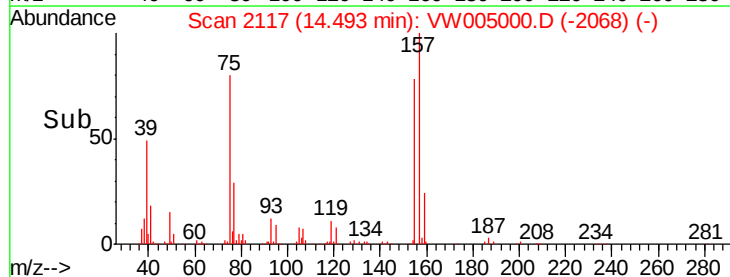


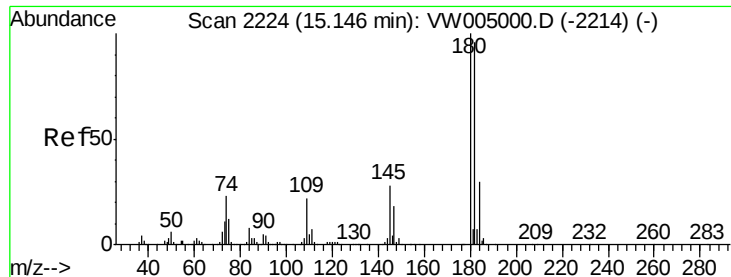
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.168 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.1	138.2
157	117.4	58.7	176.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

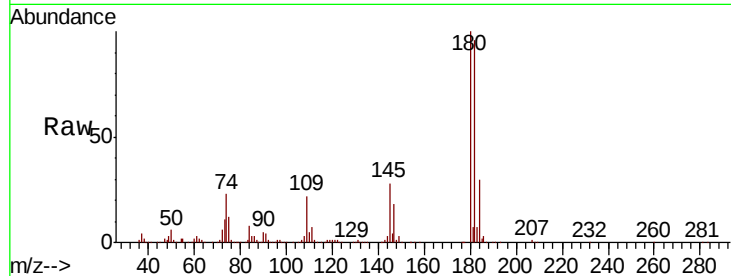




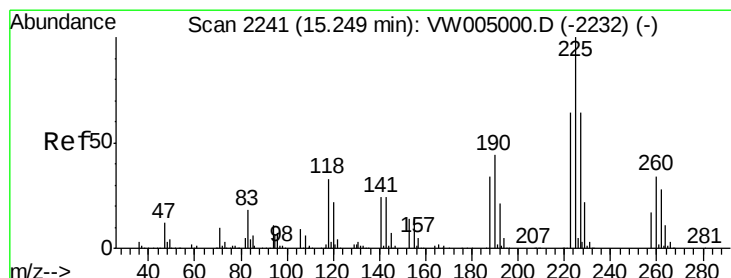
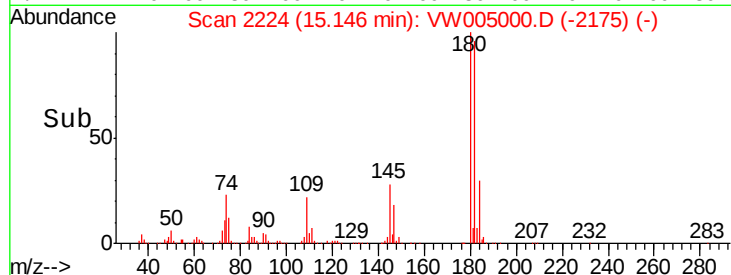
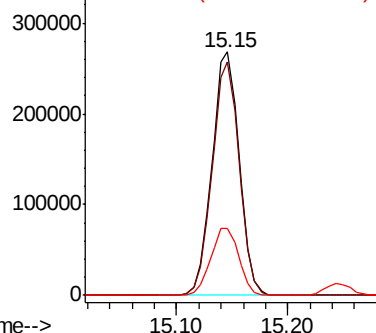
#93
 1,2,4-Trichlorobenzene
 Concen: 51.778 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 452446
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.6 142.8
 145 28.6 14.3 42.9

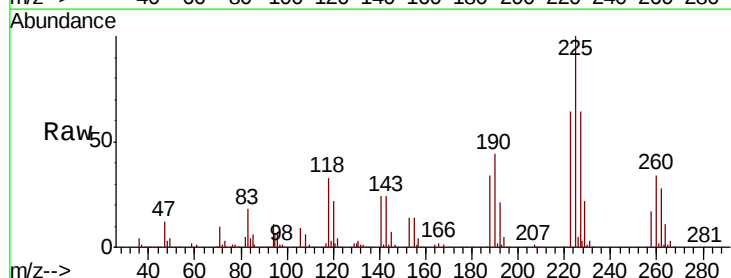


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

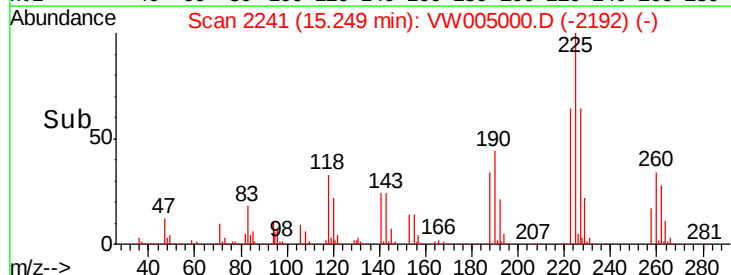
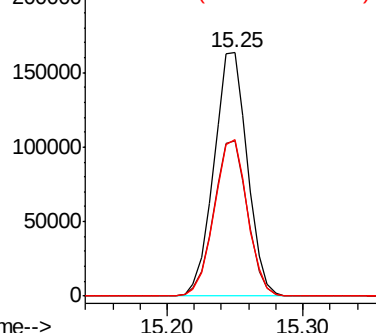


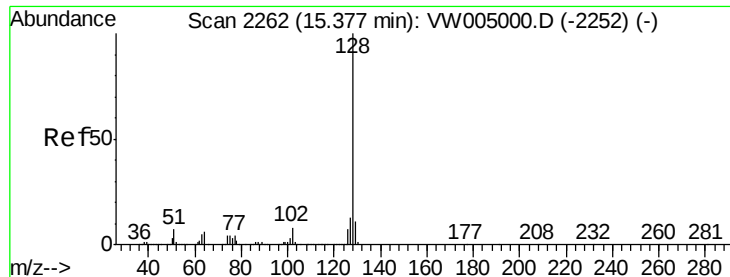
#94
 Hexachlorobutadiene
 Concen: 51.343 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW005000.D
 Acq: 29 Aug 2018 13:27

Tgt Ion:225 Resp: 280835
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.0 96.0
 227 63.8 31.9 95.7



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

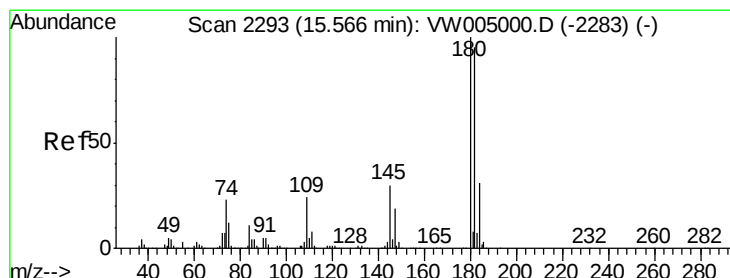
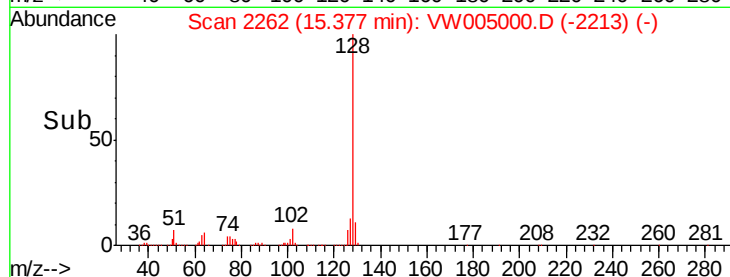
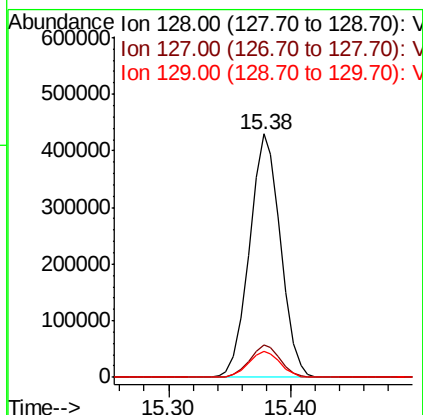
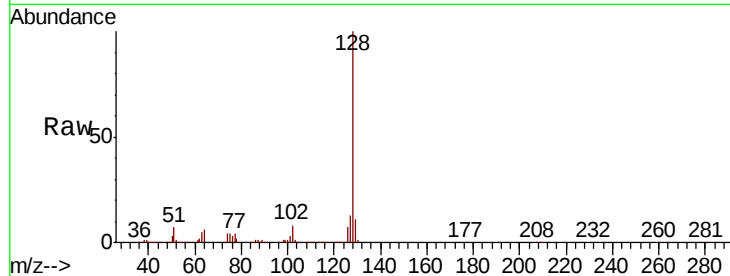




#95
Naphthalene
Concen: 52.873 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.304 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW005000.D
Acq: 29 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	30.2	15.1	45.3

