

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW005003.D
 Acq On : 29 Aug 2018 14:44
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 30 01:24:15 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	504548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	702731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	740933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	412366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	501689	145.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.72%	
35) Dibromofluoromethane	7.89	113	532611	152.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.90%	
50) Toluene-d8	10.33	98	2972800	155.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.98%	
62) 4-Bromofluorobenzene	12.62	95	1104056	158.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	577020	132.380	ug/l	98
3) Chloromethane	2.21	50	880636	142.257	ug/l	99
4) Vinyl Chloride	2.36	62	866056	140.157	ug/l	97
5) Bromomethane	2.74	94	552200	136.714	ug/l	96
6) Chloroethane	2.90	64	509242	139.367	ug/l	98
7) Trichlorofluoromethane	3.25	101	937390	146.718	ug/l	99
8) Diethyl Ether	3.68	74	277966	153.010	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	525349	133.220	ug/l	99
10) Methyl Iodide	4.27	142	940491	174.374	ug/l	99
11) Tert butyl alcohol	5.18	59	185918	902.475	ug/l	100
12) 1,1-Dichloroethene	4.04	96	537403	145.865	ug/l	99
13) Acrolein	3.90	56	250054	849.667	ug/l	100
14) Allyl chloride	4.67	41	892801	157.372	ug/l	98
15) Acrylonitrile	5.37	53	756149	816.200	ug/l	99
16) Acetone	4.13	43	613931	788.798	ug/l	98
17) Carbon Disulfide	4.38	76	2325176	150.145	ug/l	99
18) Methyl Acetate	4.68	43	288245	152.898	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	1265893	159.889	ug/l	100
20) Methylene Chloride	4.92	84	772020	117.718	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	589510	147.362	ug/l	98
22) Diisopropyl ether	6.32	45	1872864	161.717	ug/l	97
23) Vinyl Acetate	6.26	43	4867964	822.141	ug/l	100
24) 1,1-Dichloroethane	6.22	63	1016179	145.020	ug/l	99
25) 2-Butanone	7.18	43	935060	770.413	ug/l	100
26) 2,2-Dichloropropane	7.17	77	821378	133.551	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	650980	149.588	ug/l	99
28) Bromochloromethane	7.52	49	459134	149.013	ug/l	99
29) Tetrahydrofuran	7.53	42	502512	819.593	ug/l	99
30) Chloroform	7.68	83	993944	144.214	ug/l	99
31) Cyclohexane	7.96	56	1052944	141.782	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	890749	140.460	ug/l	99
36) 1,1-Dichloropropene	8.09	75	879041	147.631	ug/l	100
37) Ethyl Acetate	7.26	43	330648	154.062	ug/l	100
38) Carbon Tetrachloride	8.07	117	806510	139.961	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1327234	161.698	ug/l	97
40) Benzene	8.33	78	2742822	143.910	ug/l	99
41) Methacrylonitrile	7.49	41	194094	155.188	ug/l	98
42) 1,2-Dichloroethane	8.41	62	597888	140.978	ug/l	99
43) Isopropyl Acetate	8.43	43	680367	159.317	ug/l	99
44) Trichloroethene	9.10	130	709387	145.719	ug/l	97
45) 1,2-Dichloropropane	9.37	63	641126	147.024	ug/l	100
46) Dibromomethane	9.46	93	297794	144.285	ug/l	99
47) Bromodichloromethane	9.65	83	747135	146.503	ug/l	99
48) Methyl methacrylate	9.44	41	387783	171.023	ug/l	99
49) 1,4-Dioxane	9.45	88	137127	3201.657	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	2567230	802.648	ug/l	99
52) Toluene	10.39	92	2121309	150.019	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	871550	160.022	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	989477	155.795	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	484953	143.553	ug/l	99
56) Ethyl methacrylate	10.65	69	752233	169.763	ug/l	99
57) 1,3-Dichloropropane	10.94	76	832765	149.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1634011	855.945	ug/l	99
59) 2-Hexanone	10.98	43	1874885	809.609	ug/l	100
60) Dibromochloromethane	11.13	129	573068	154.566	ug/l	99
61) 1,2-Dibromoethane	11.24	107	488162	154.136	ug/l	100
64) Tetrachloroethene	10.87	164	750662	138.957	ug/l	97
65) Chlorobenzene	11.66	112	2364324	145.240	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	677919	151.624	ug/l	99
67) Ethyl Benzene	11.74	91	4261092	152.871	ug/l	100
68) m/p-Xylenes	11.85	106	3462258	304.538	ug/l	99
69) o-Xylene	12.17	106	1636725	157.554	ug/l	99
70) Styrene	12.19	104	2726186	158.198	ug/l	99
71) Bromoform	12.35	173	386209	155.352	ug/l	100
73) Isopropylbenzene	12.47	105	4337308	157.782	ug/l	100
74) N-amyl acetate	12.28	43	865966	166.933	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	617814	148.438	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	855609	166.220	ug/l #	100
77) Bromobenzene	12.76	156	1005811	149.128	ug/l	100
78) n-propylbenzene	12.81	91	5237934	154.476	ug/l	99
79) 2-Chlorotoluene	12.90	91	2972705	151.793	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	3835741	157.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	208731	161.521	ug/l	99
82) 4-Chlorotoluene	12.99	91	3110181	149.057	ug/l	100
83) tert-Butylbenzene	13.21	119	3218504	157.779	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	3903594	158.407	ug/l	99
85) sec-Butylbenzene	13.39	105	4607700	153.877	ug/l	100
86) p-Isopropyltoluene	13.51	119	4227930	157.600	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	2072583	144.955	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2048850	144.663	ug/l	100
89) n-Butylbenzene	13.83	91	4005221	159.040	ug/l	99
90) Hexachloroethane	14.10	117	641435	152.108	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	1850004	146.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	116221	161.678	ug/l	99

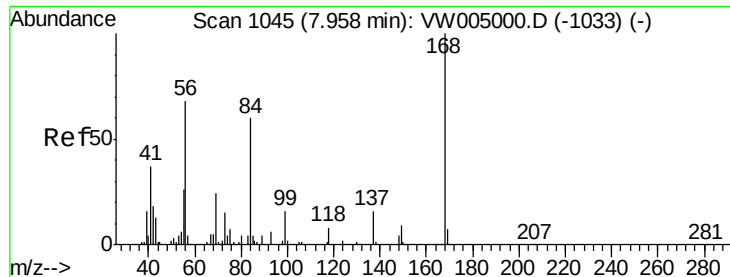
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	1465587	166.210	ug/l	100
94) Hexachlorobutadiene	15.25	225	815229	147.699	ug/l	99
95) Naphthalene	15.38	128	2644706	182.818	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1290663	165.689	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: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

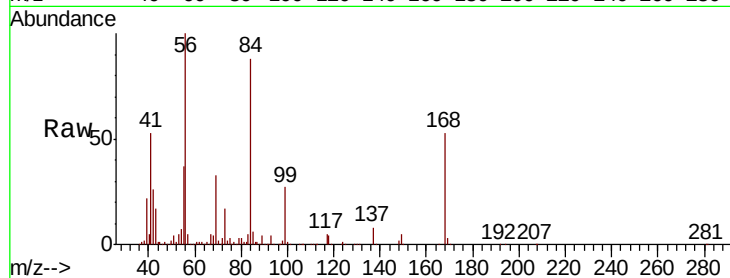
VSTDICC150

Tgt Ion:168 Resp: 504548

Ion Ratio Lower Upper

168 100

99 49.8 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

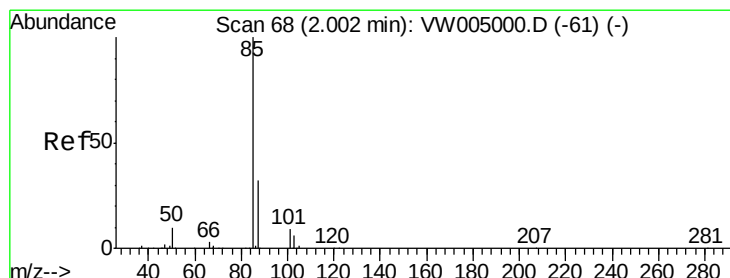
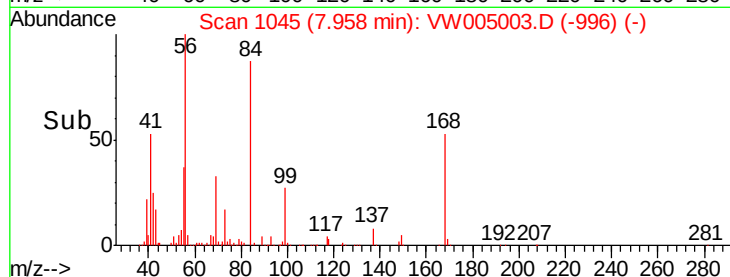
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 132.380 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW005003.D

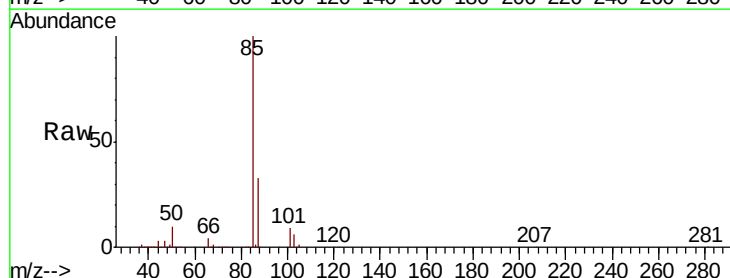
Acq: 29 Aug 2018 14:44

Tgt Ion: 85 Resp: 577020

Ion Ratio Lower Upper

85 100

87 32.8 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

400000

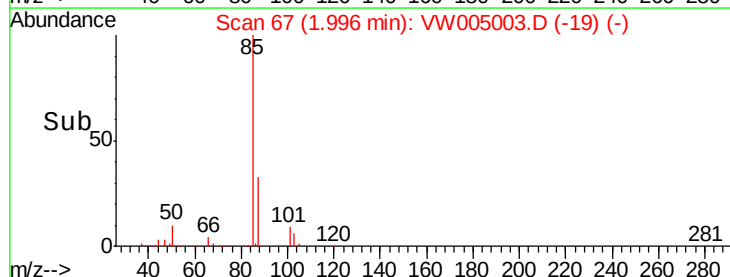
300000

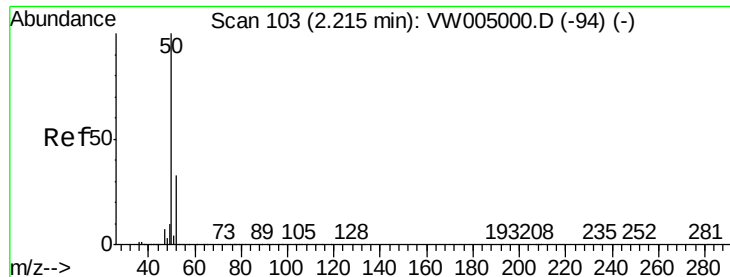
200000

100000

0

Time--> 1.90 2.00 2.10 2.20

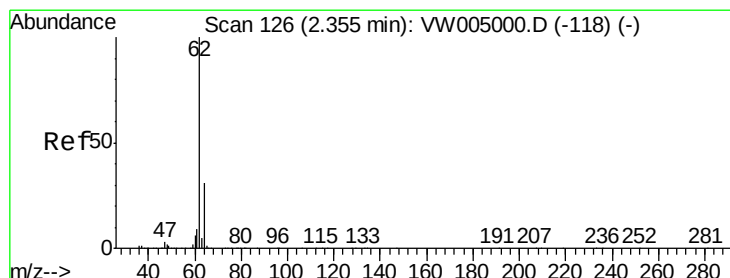
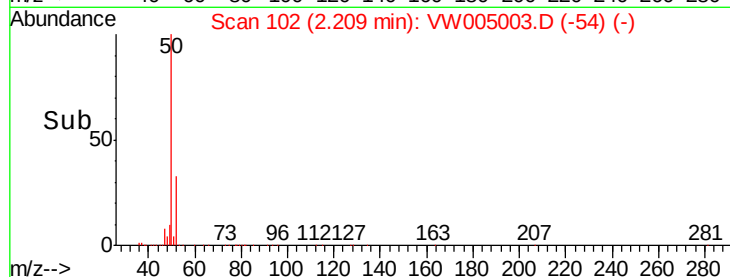
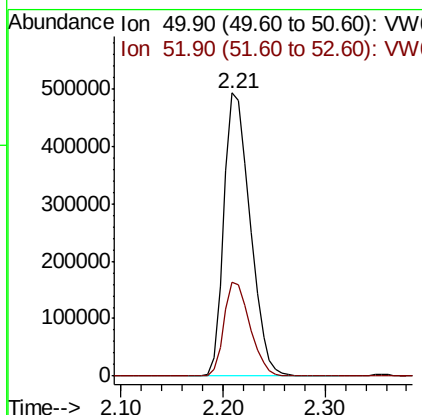
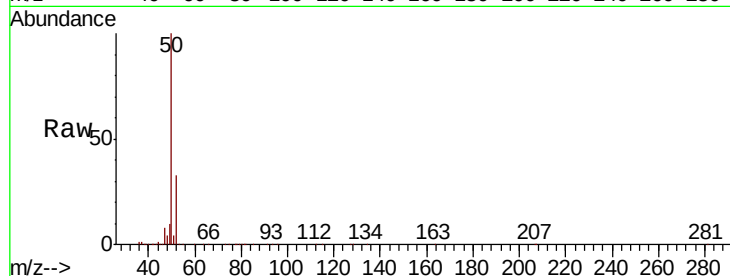




#3
Chloromethane
Concen: 142.257 ug/l
RT: 2.21 min Scan# 102
Delta R.T. -0.01 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

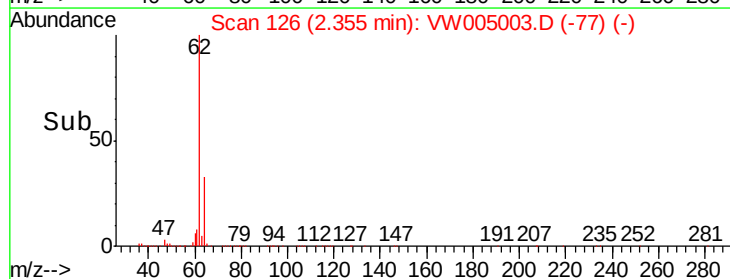
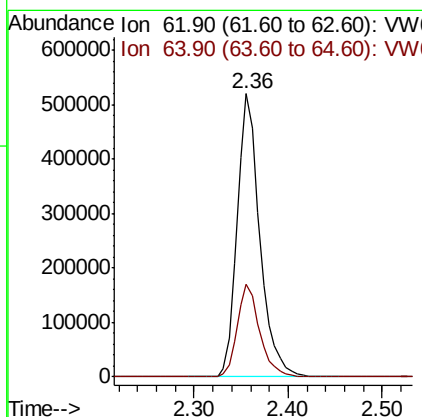
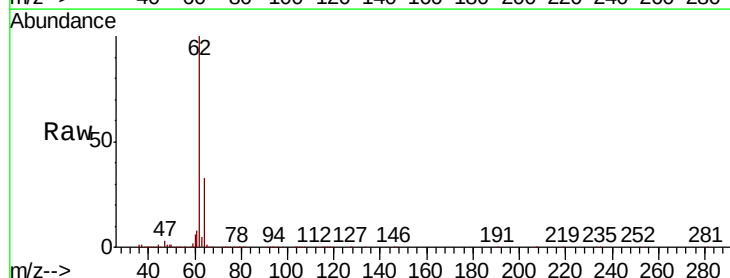
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

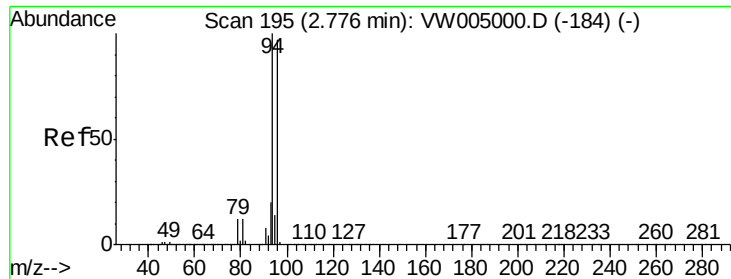
Tgt Ion: 50 Resp: 880636
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1



#4
Vinyl Chloride
Concen: 140.157 ug/l
RT: 2.36 min Scan# 126
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 62 Resp: 866056
Ion Ratio Lower Upper
62 100
64 32.5 24.8 37.2





#5

Bromomethane

Concen: 136.714 ug/l

RT: 2.74 min Scan# 189

Delta R.T. -0.04 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

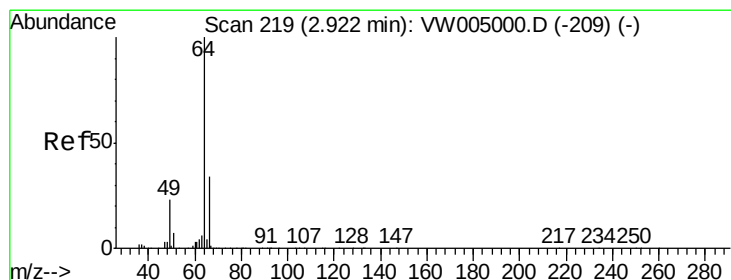
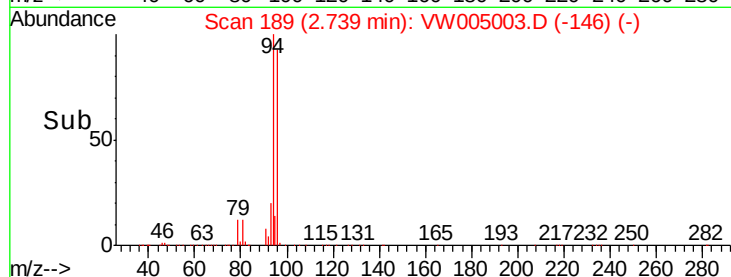
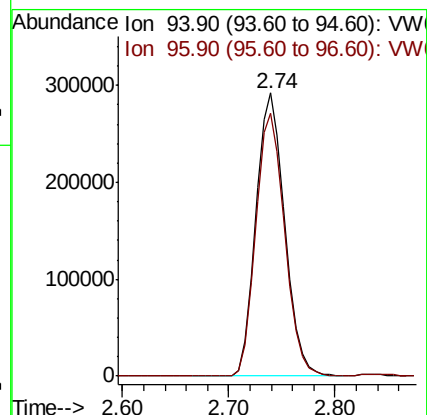
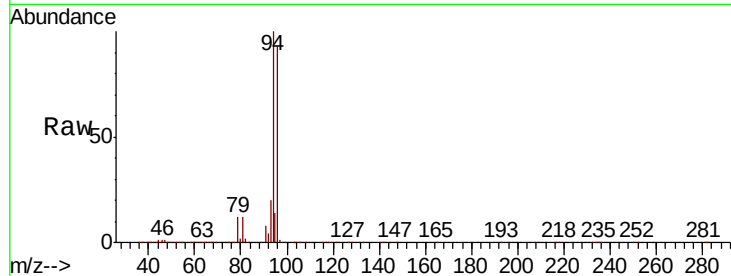
VSTDIC150

Tgt Ion: 94 Resp: 552200

Ion Ratio Lower Upper

94 100

96 92.9 77.5 116.3



#6

Chloroethane

Concen: 139.367 ug/l

RT: 2.90 min Scan# 216

Delta R.T. -0.02 min

Lab File: VW005003.D

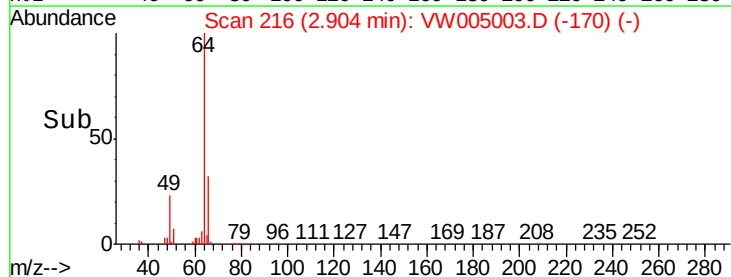
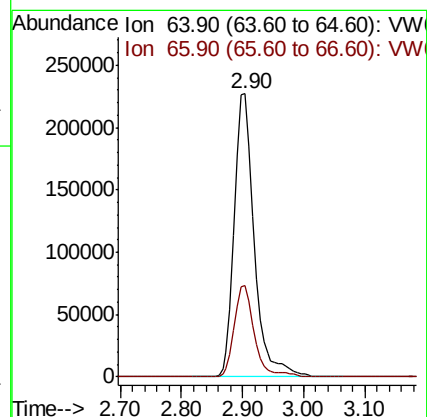
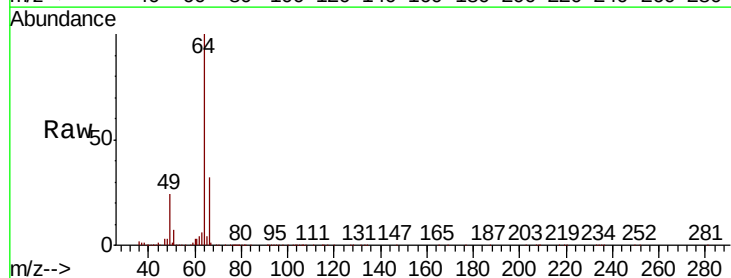
Acq: 29 Aug 2018 14:44

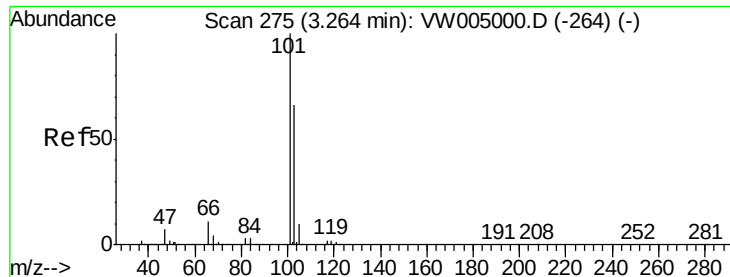
Tgt Ion: 64 Resp: 509242

Ion Ratio Lower Upper

64 100

66 32.3 26.8 40.2



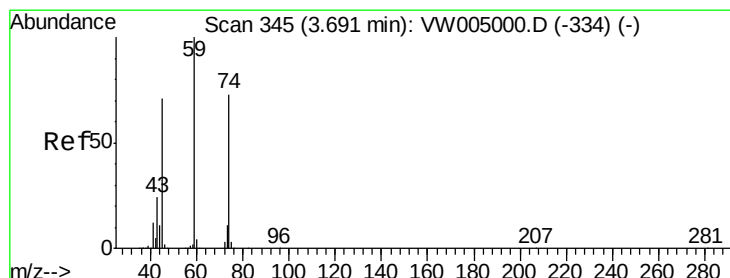
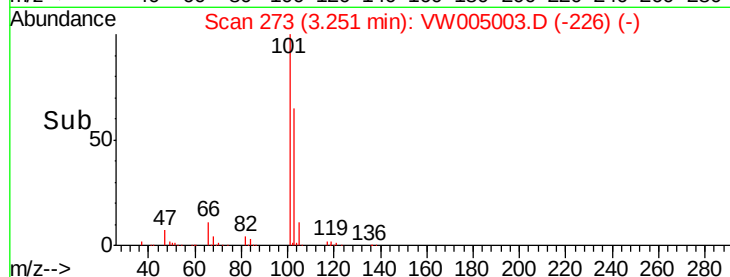
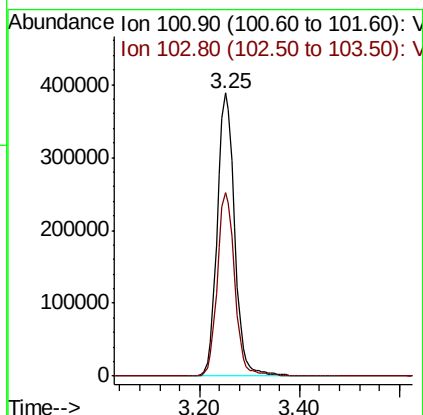
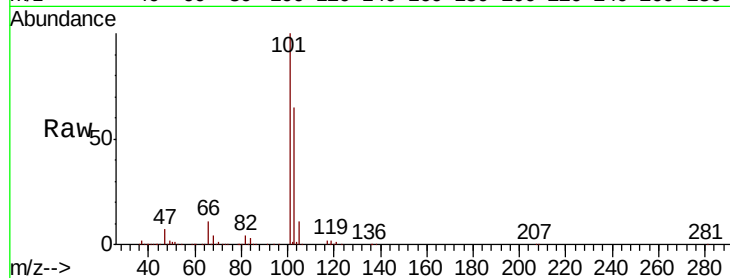


#7

Trichlorofluoromethane
 Concen: 146.718 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Instrument :
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 ClientSampleId :
 VSTDIC150

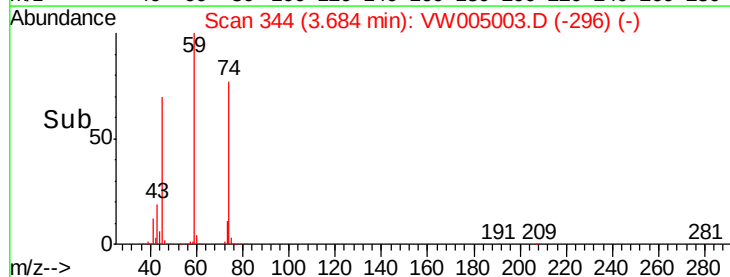
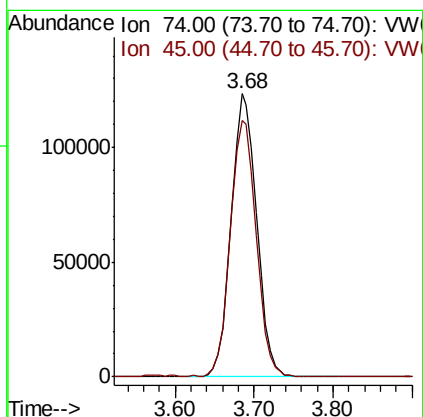
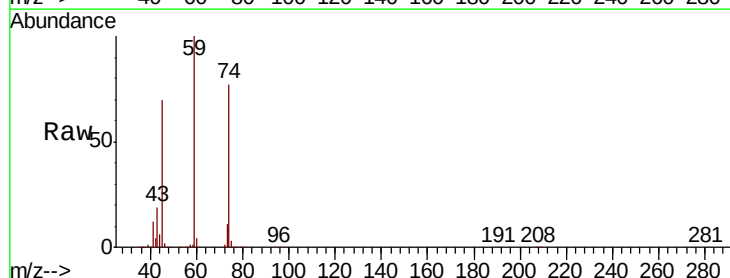
Tgt Ion: 101 Resp: 937390
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8

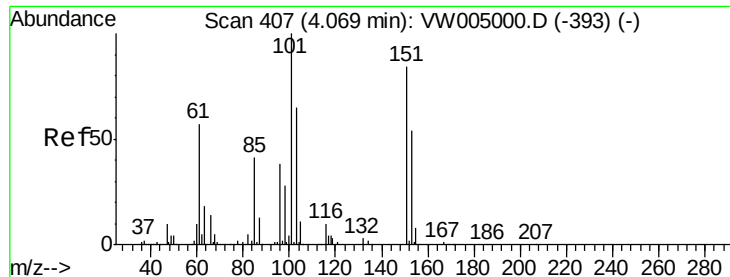


#8

Diethyl Ether
 Concen: 153.010 ug/l
 RT: 3.68 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 74 Resp: 277966
 Ion Ratio Lower Upper
 74 100
 45 91.7 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.220 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

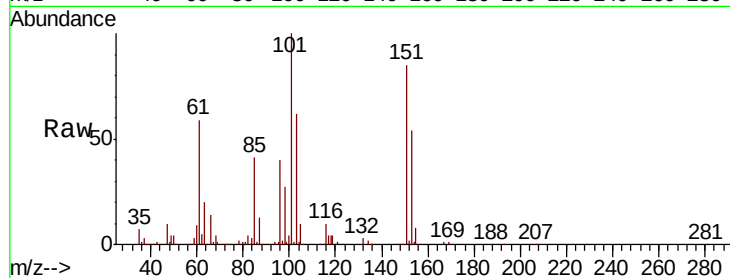
Tgt Ion:101 Resp: 525349

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.0

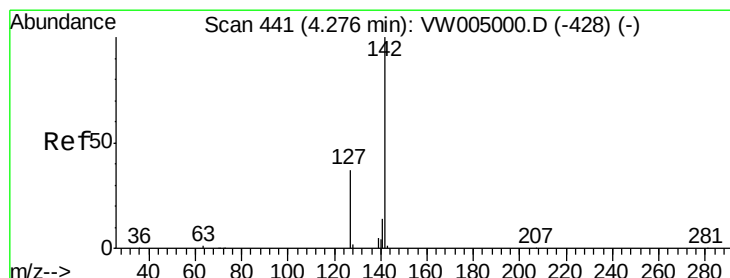
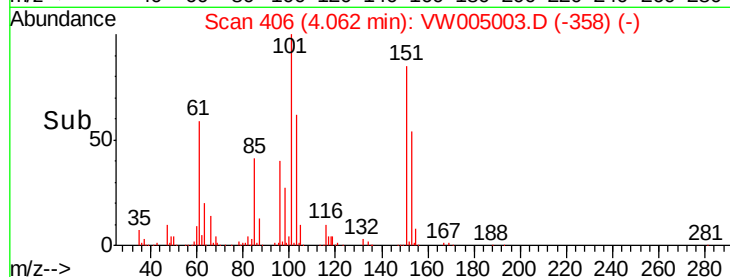
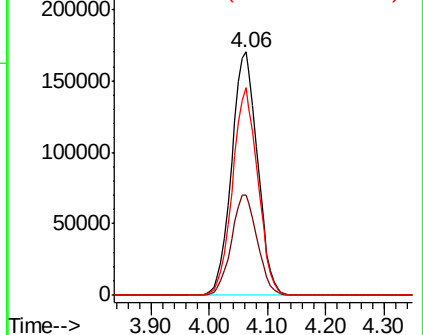
151 83.2 67.0 100.4



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: 174.374 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

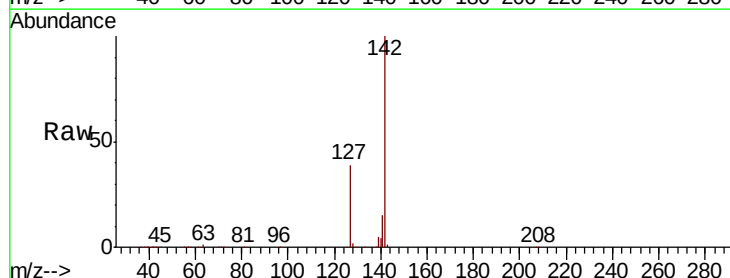
Tgt Ion:142 Resp: 940491

Ion Ratio Lower Upper

142 100

127 38.4 31.1 46.7

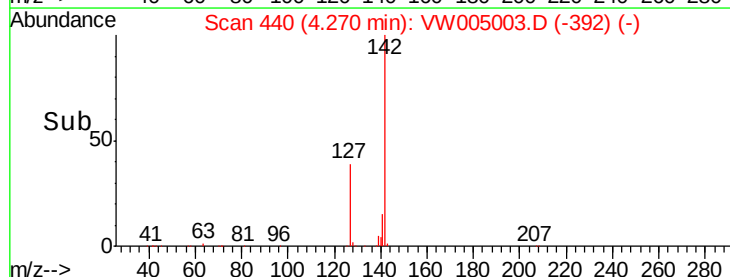
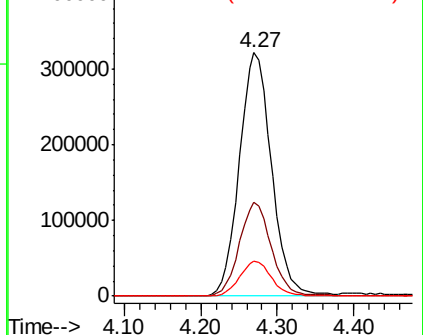
141 14.3 11.4 17.2

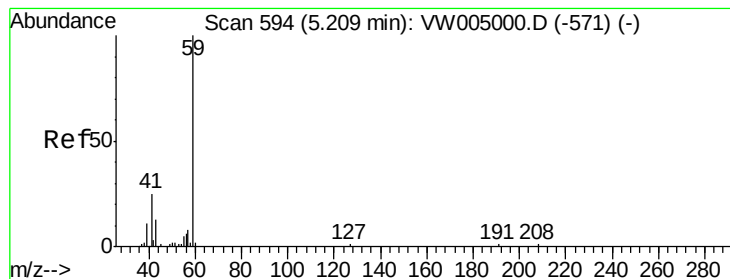


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



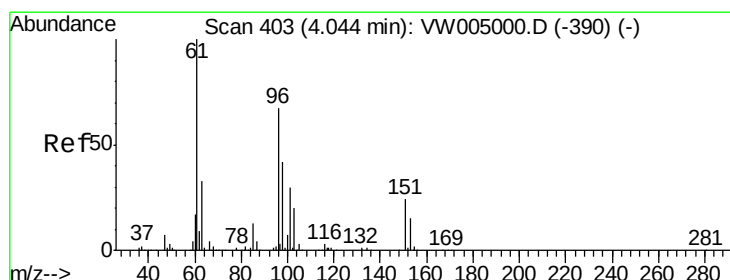
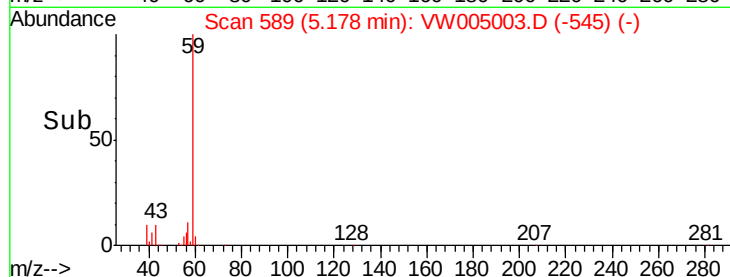
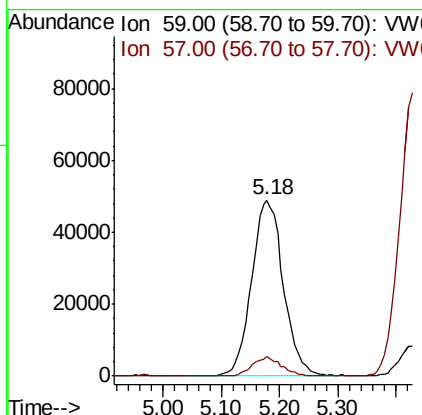
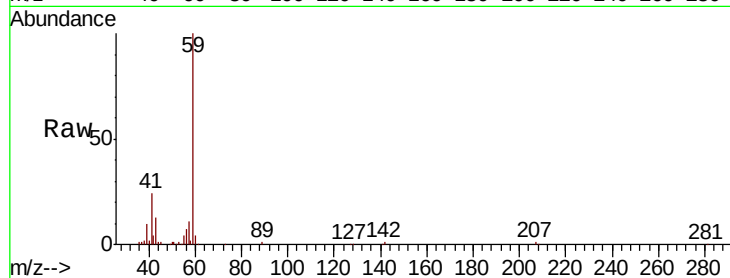


#11

Tert butyl alcohol
Concen: 902.475 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.03 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

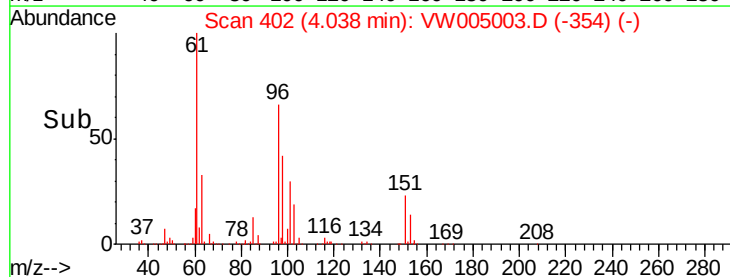
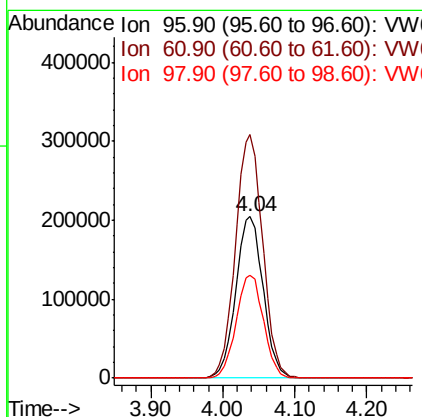
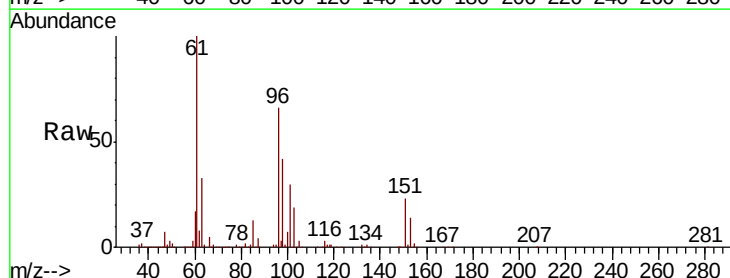
Tgt Ion: 59 Resp: 185918
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1

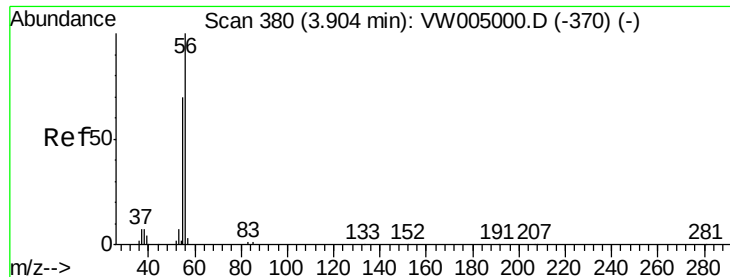


#12

1,1-Dichloroethene
Concen: 145.865 ug/l
RT: 4.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 96 Resp: 537403
Ion Ratio Lower Upper
96 100
61 150.9 119.5 179.3
98 64.0 50.4 75.6

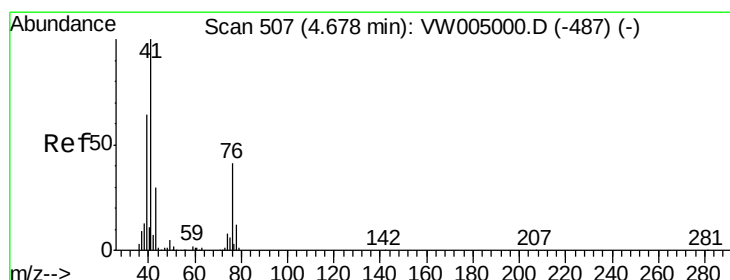
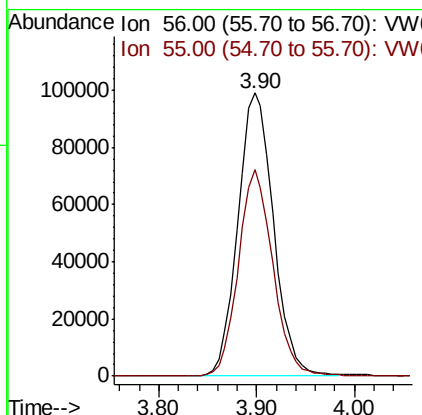
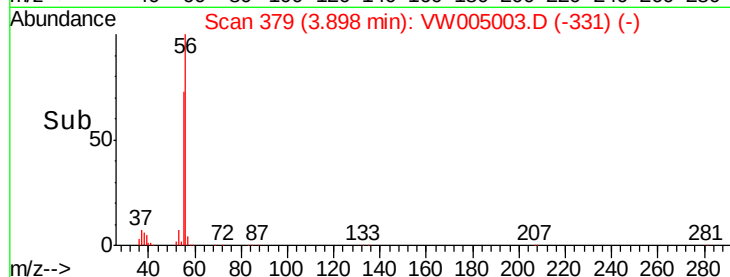
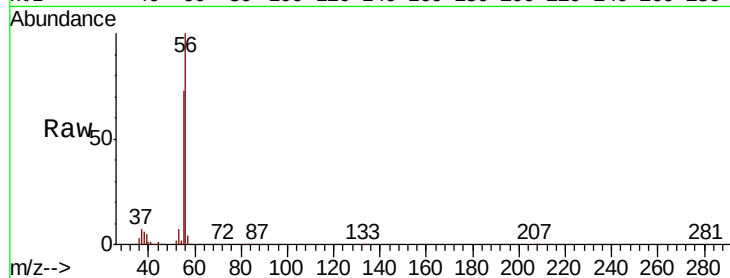




#13
 Acrolein
 Concen: 849.667 ug/l
 RT: 3.90 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

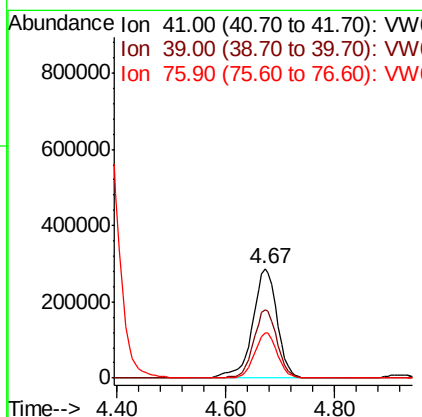
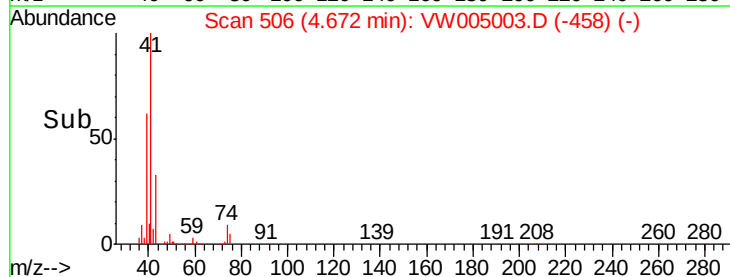
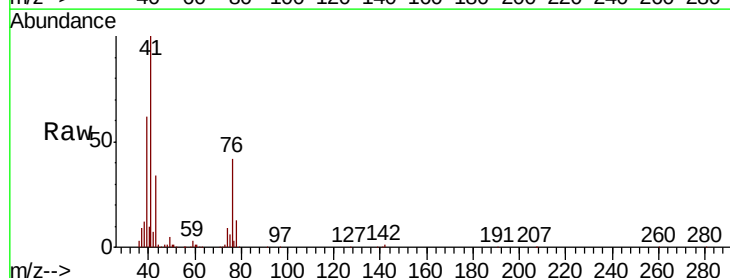
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

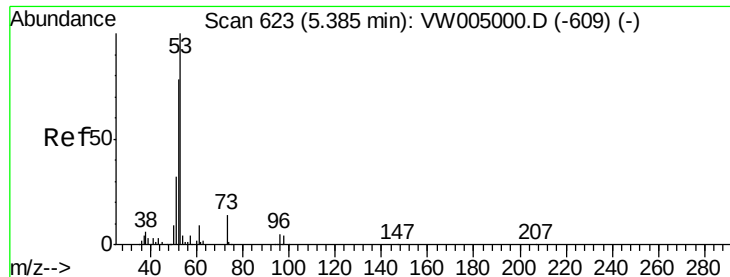
Tgt Ion: 56 Resp: 250054
 Ion Ratio Lower Upper
 56 100
 55 70.8 56.4 84.6



#14
 Allyl chloride
 Concen: 157.372 ug/l
 RT: 4.67 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 41 Resp: 892801
 Ion Ratio Lower Upper
 41 100
 39 59.9 49.4 74.2
 76 38.4 31.4 47.2





#15

Acrylonitrile

Concen: 816.200 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

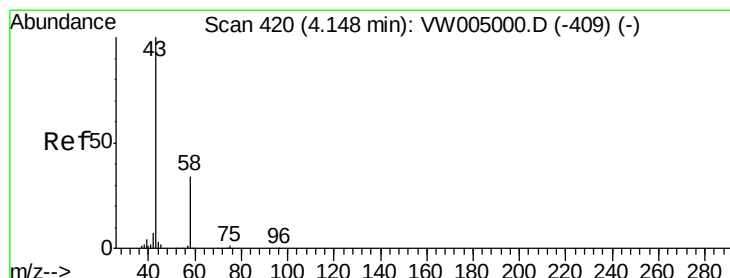
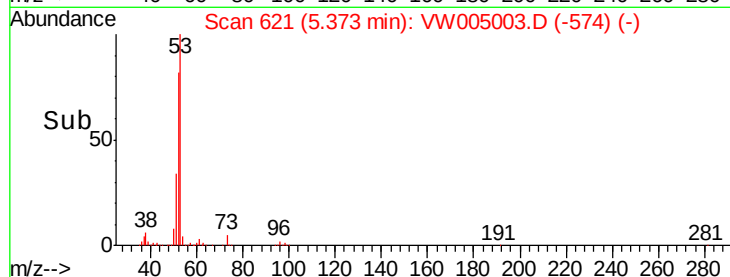
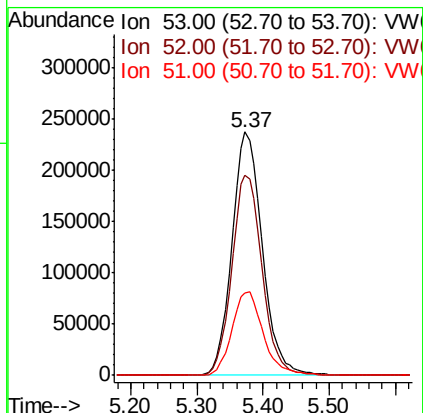
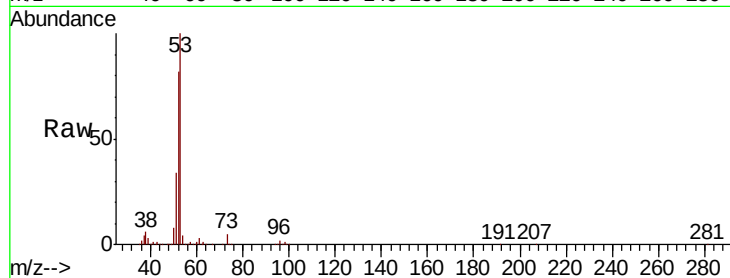
Tgt Ion: 53 Resp: 756149

Ion Ratio Lower Upper

53 100

52 82.0 65.0 97.6

51 35.5 28.6 43.0



#16

Acetone

Concen: 788.798 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.02 min

Lab File: VW005003.D

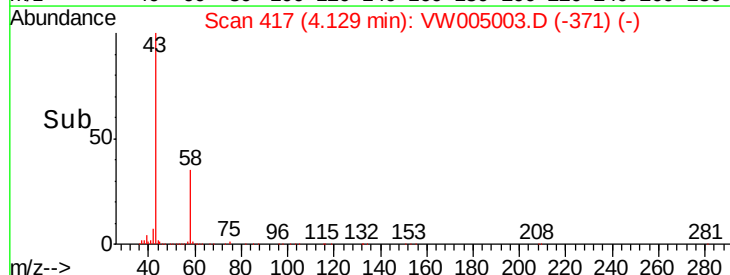
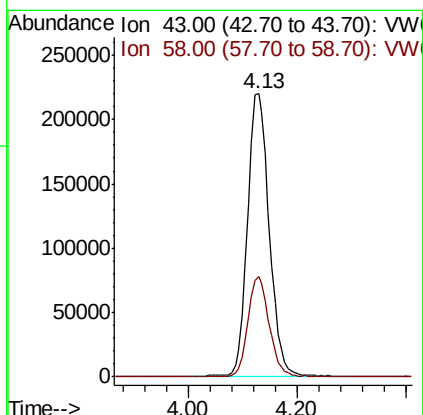
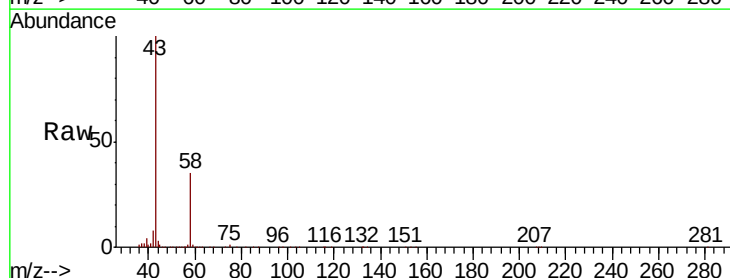
Acq: 29 Aug 2018 14:44

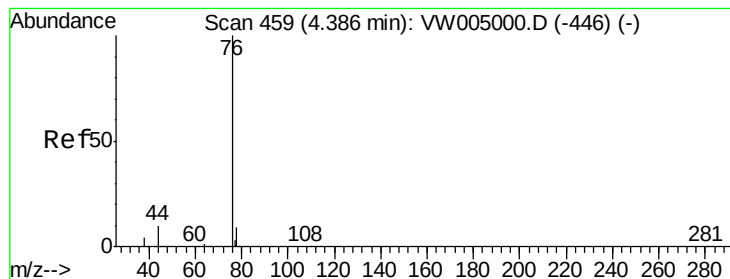
Tgt Ion: 43 Resp: 613931

Ion Ratio Lower Upper

43 100

58 35.1 27.2 40.8





#17

Carbon Disulfide

Concen: 150.145 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

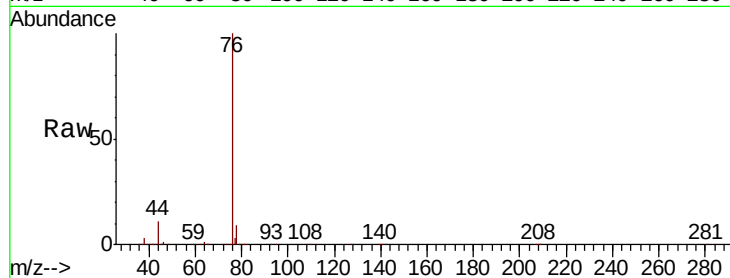
VSTDIC150

Tgt Ion: 76 Resp: 2325176

Ion Ratio Lower Upper

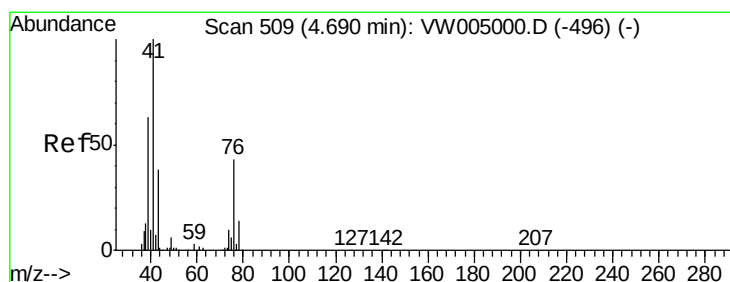
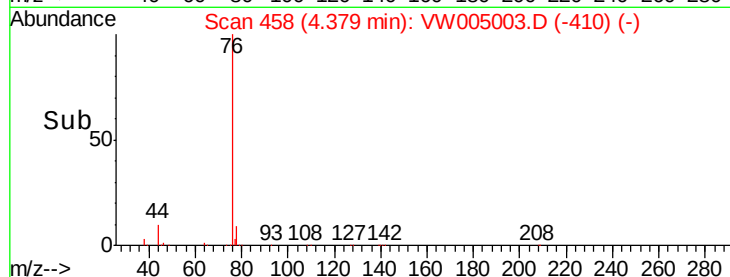
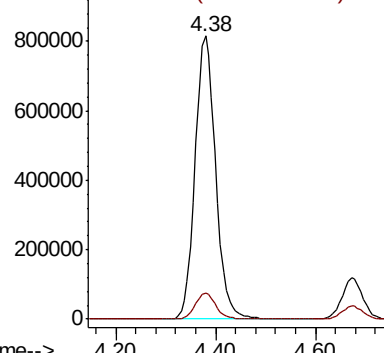
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 152.898 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW005003.D

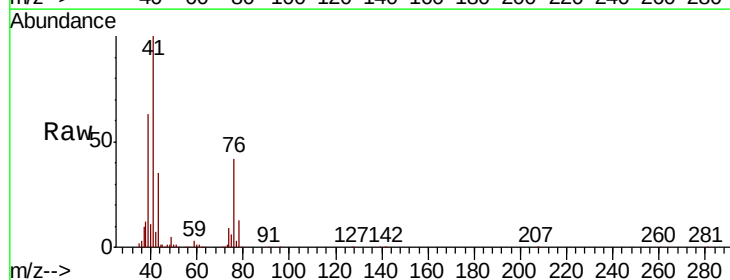
Acq: 29 Aug 2018 14:44

Tgt Ion: 43 Resp: 288245

Ion Ratio Lower Upper

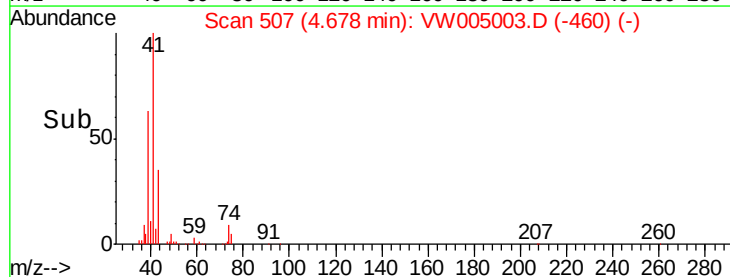
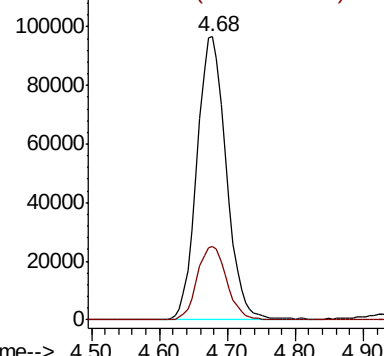
43 100

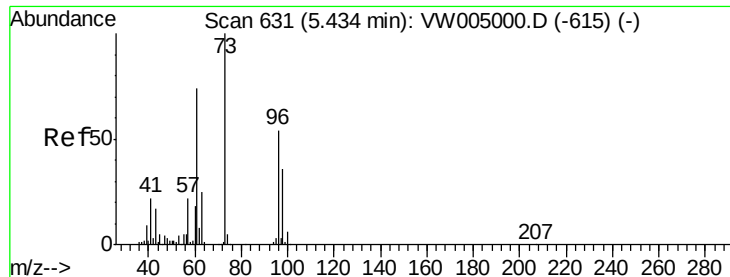
74 26.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



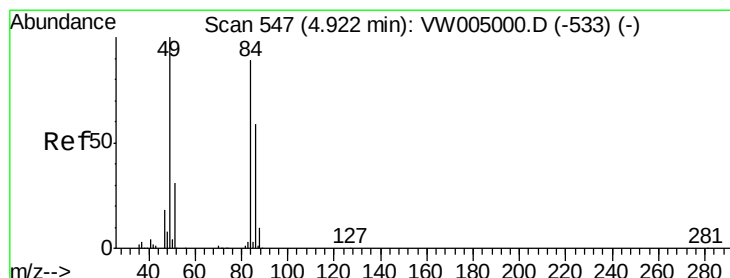
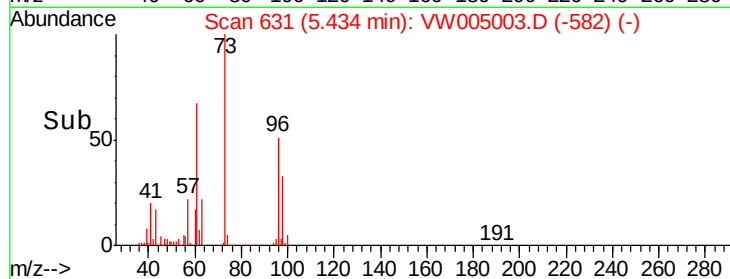
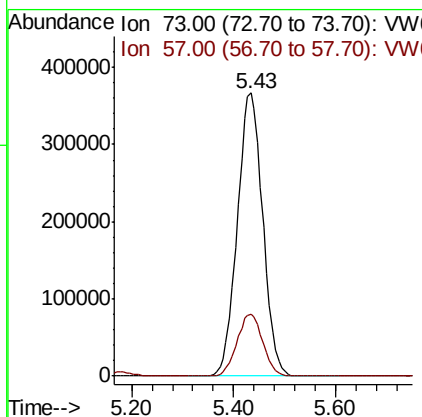
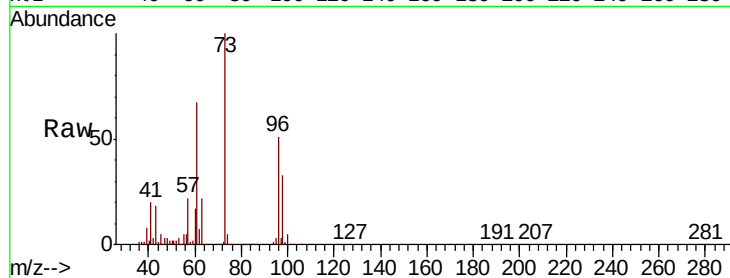


#19

Methyl tert-butyl Ether
 Concen: 159.889 ug/l
 RT: 5.43 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

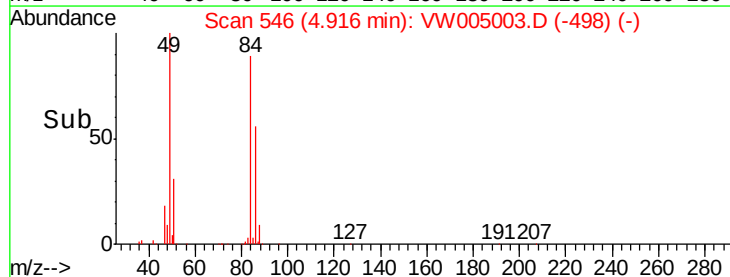
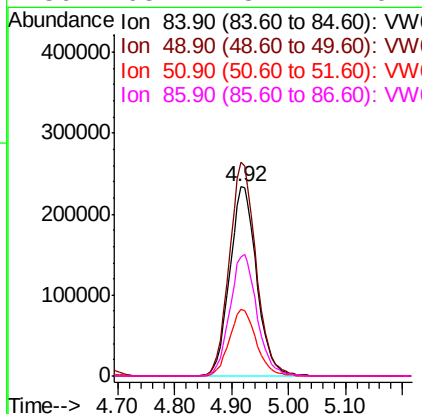
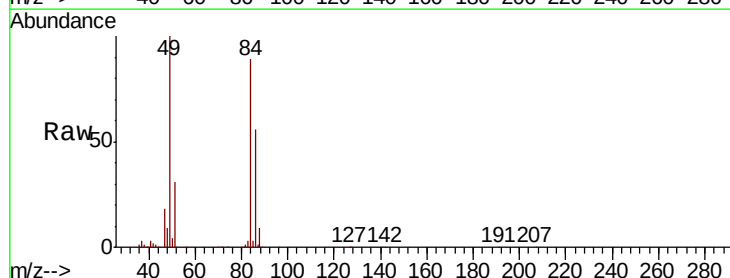
Tgt Ion: 73 Resp: 1265893
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.6 26.4

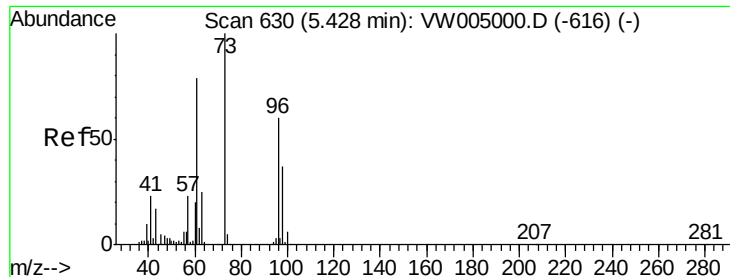


#20

Methylene Chloride
 Concen: 117.718 ug/l
 RT: 4.92 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 84 Resp: 772020
 Ion Ratio Lower Upper
 84 100
 49 112.9 89.7 134.5
 51 34.9 27.5 41.3
 86 63.1 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 147.362 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

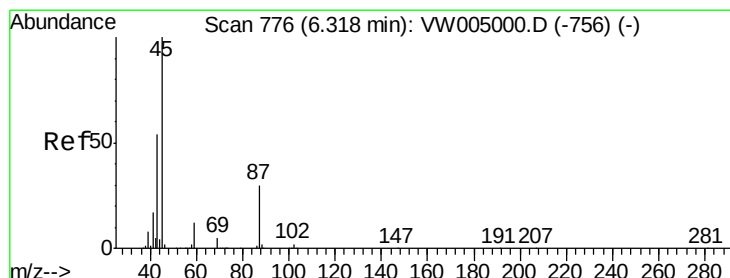
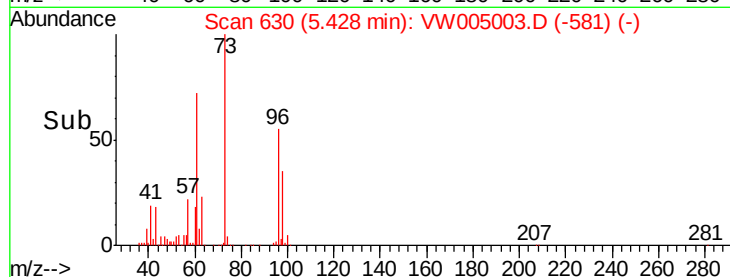
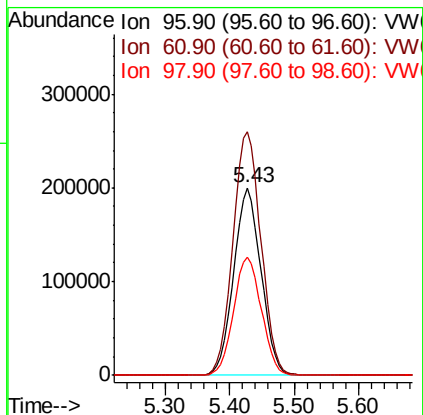
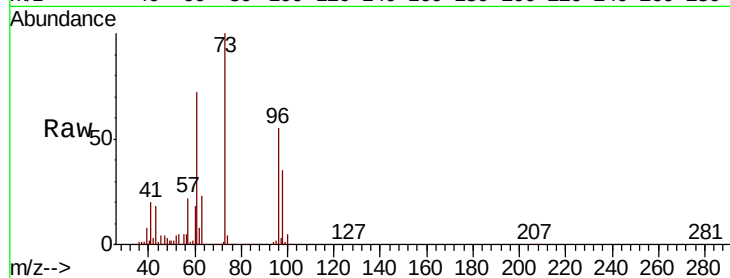
Tgt Ion: 96 Resp: 589510

Ion Ratio Lower Upper

96 100

61 129.7 106.2 159.2

98 62.8 49.5 74.3



#22

Diisopropyl ether

Concen: 161.717 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Tgt Ion: 45 Resp: 1872864

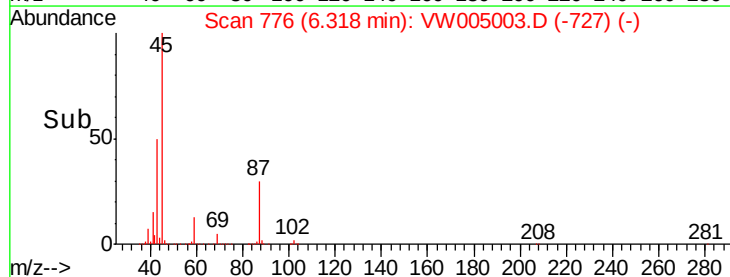
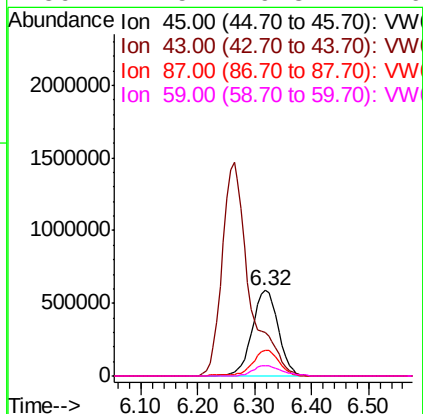
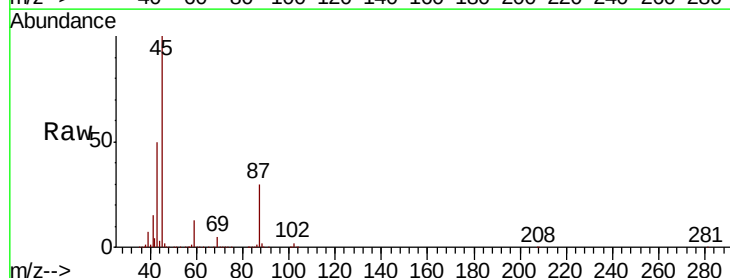
Ion Ratio Lower Upper

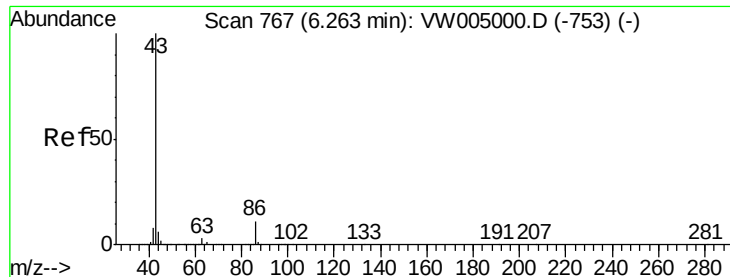
45 100

43 50.4 43.5 65.3

87 29.8 23.8 35.8

59 12.5 9.8 14.6





#23

Vinyl Acetate

Concen: 822.141 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

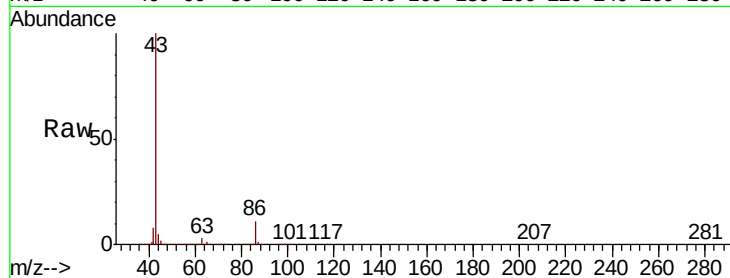
VSTDIC150

Tgt Ion: 43 Resp: 4867964

Ion Ratio Lower Upper

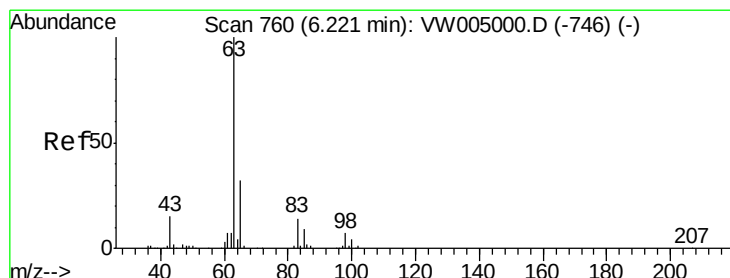
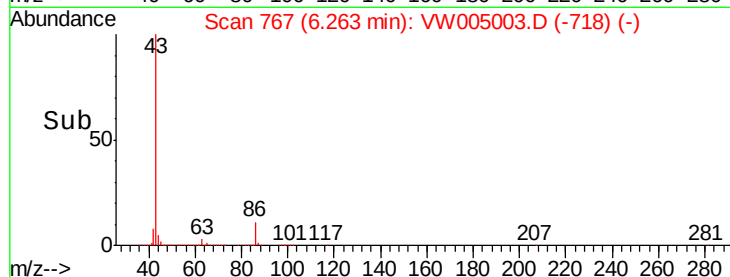
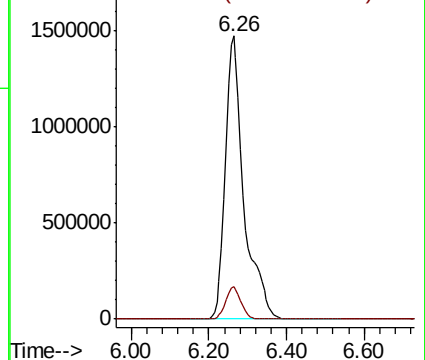
43 100

86 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 145.020 ug/l

RT: 6.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

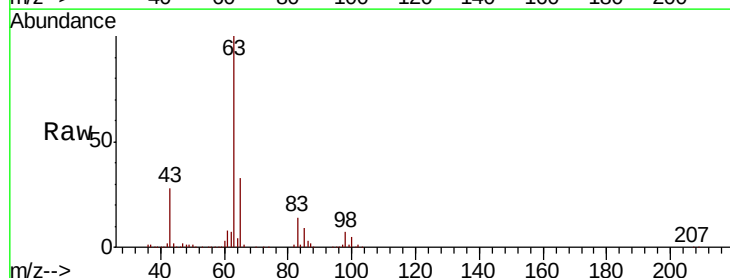
Tgt Ion: 63 Resp: 1016179

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

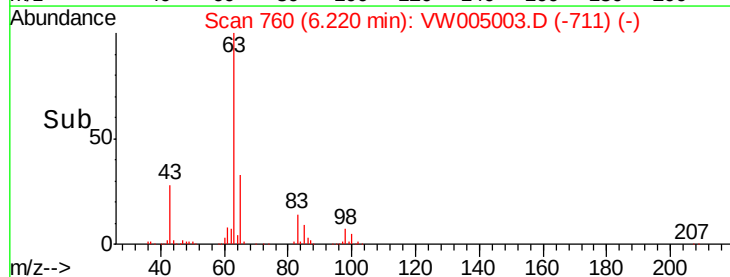
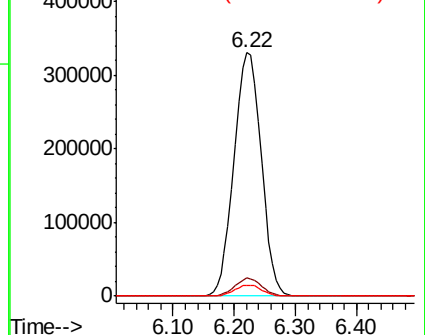
100 4.5 2.2 6.6

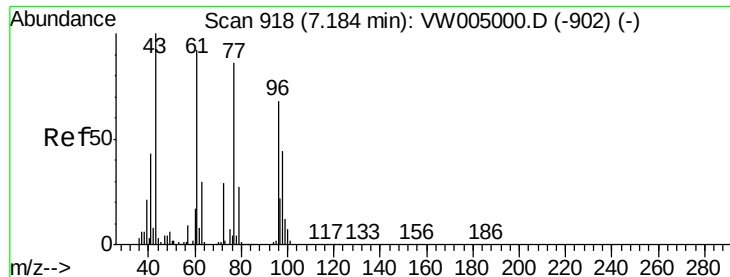


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 770.413 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

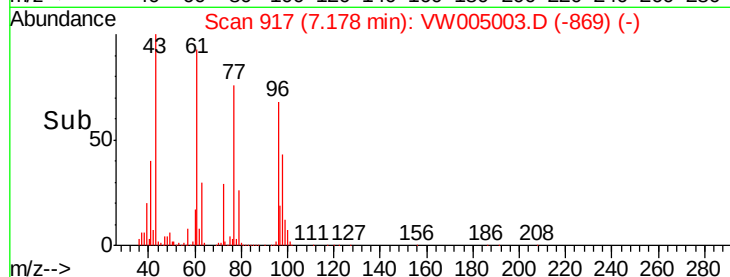
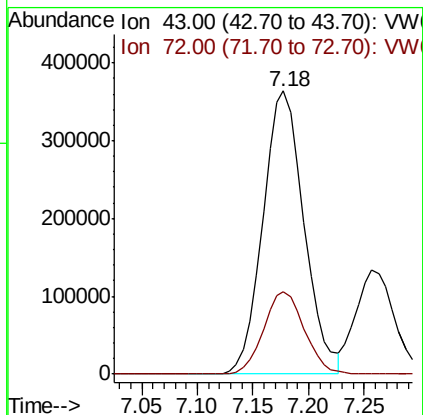
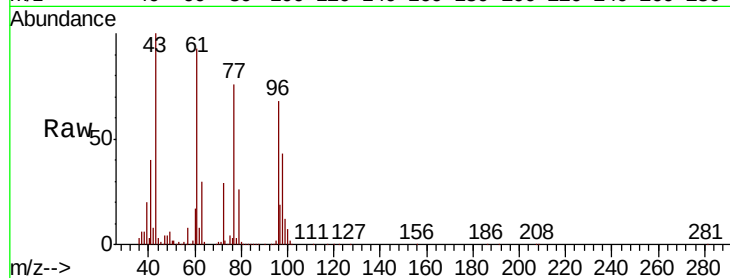
VSTDIC150

Tgt Ion: 43 Resp: 935060

Ion Ratio Lower Upper

43 100

72 29.1 23.4 35.2



#26

2,2-Dichloropropane

Concen: 133.551 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005003.D

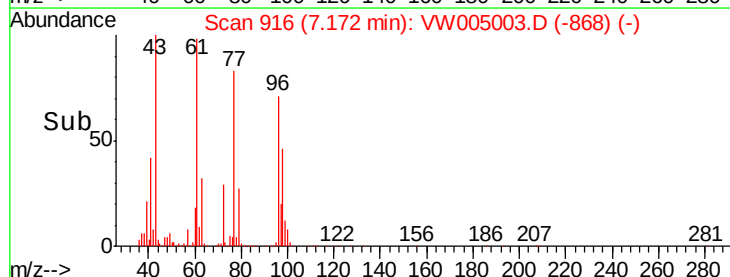
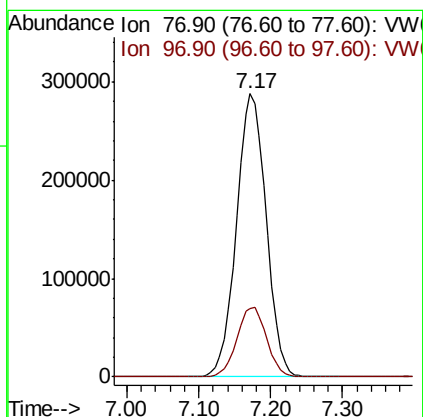
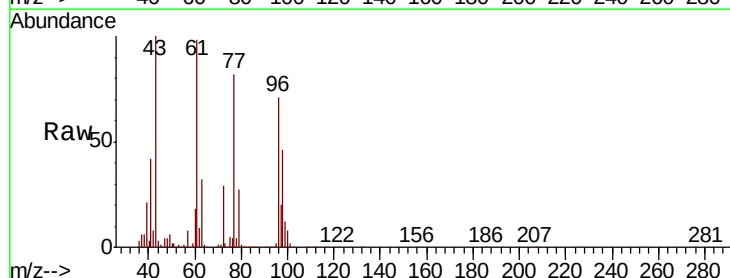
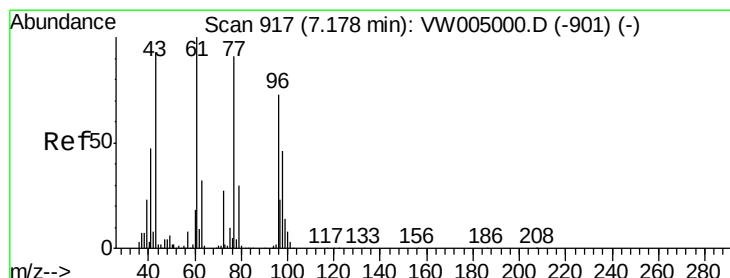
Acq: 29 Aug 2018 14:44

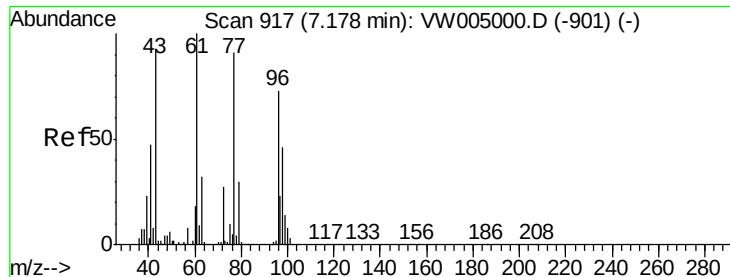
Tgt Ion: 77 Resp: 821378

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.4



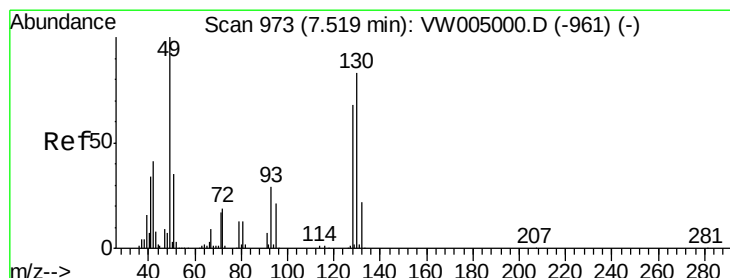
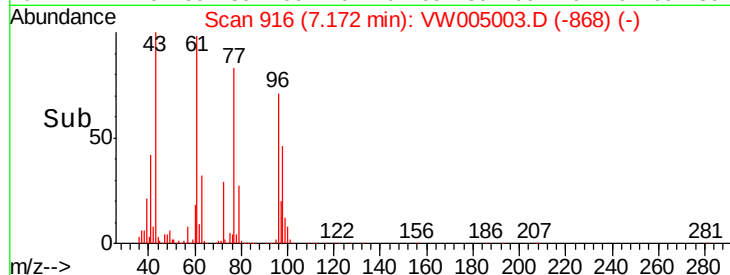
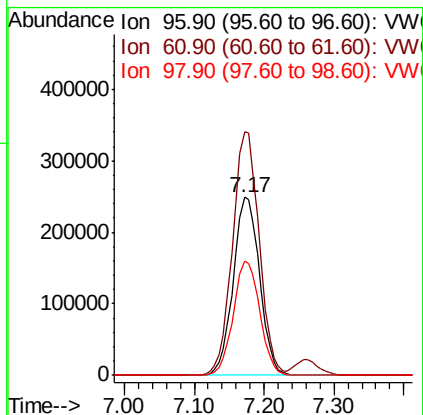
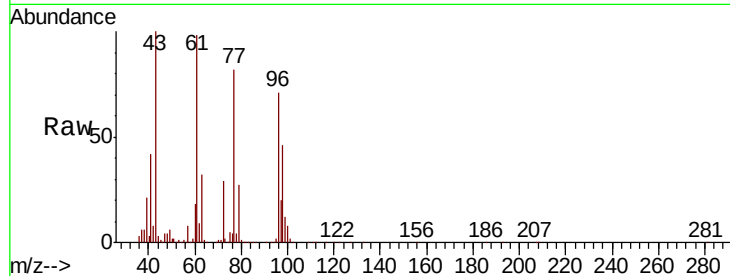


#27

cis-1,2-Dichloroethene
Concen: 149.588 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

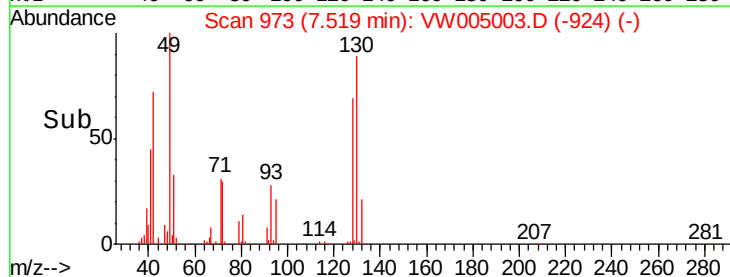
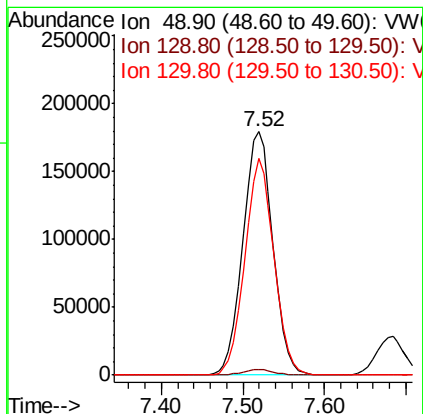
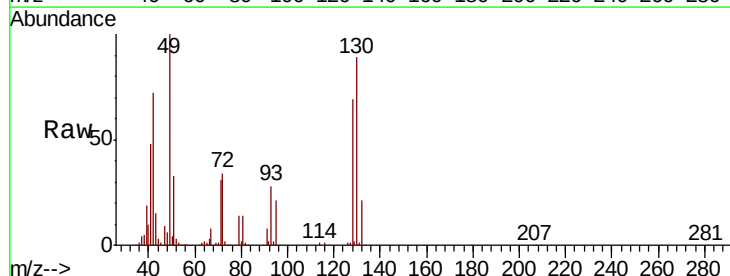
Tgt Ion: 96 Resp: 650980
Ion Ratio Lower Upper
96 100
61 138.6 0.0 281.6
98 64.7 0.0 129.0

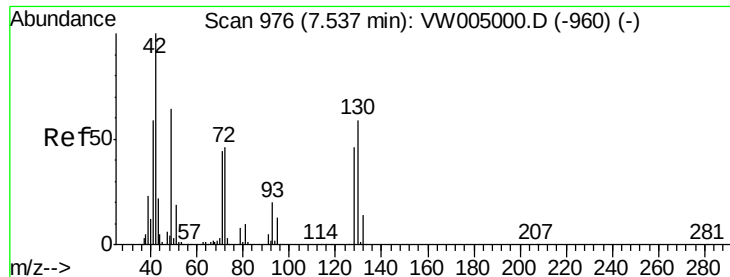


#28

Bromochloromethane
Concen: 149.013 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 49 Resp: 459134
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 86.2 68.2 102.2





#29

Tetrahydrofuran

Concen: 819.593 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

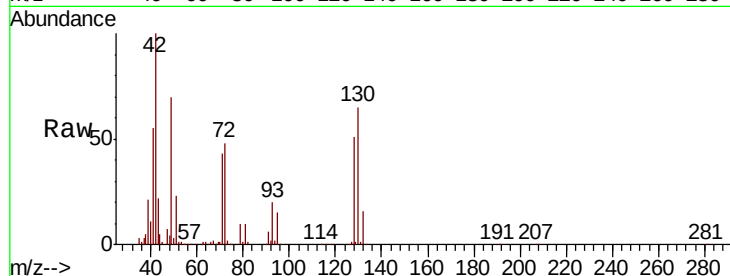
Tgt Ion: 42 Resp: 502512

Ion Ratio Lower Upper

42 100

72 47.0 36.6 55.0

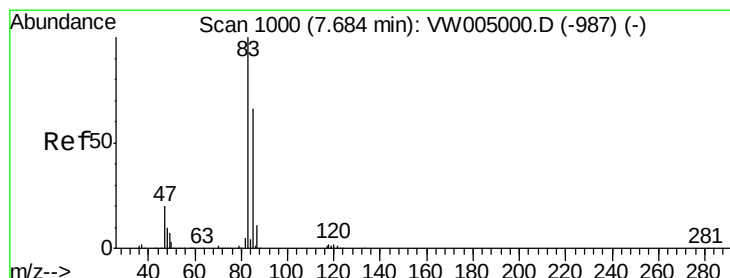
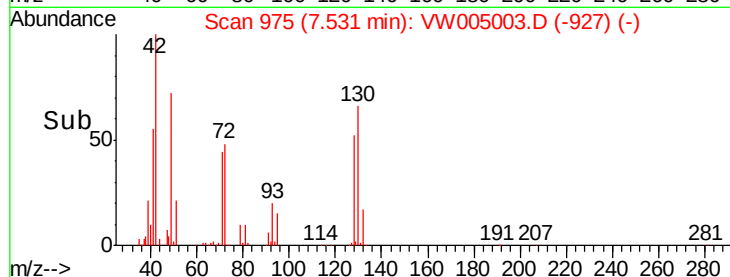
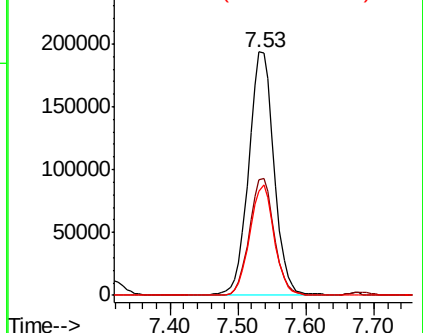
71 43.9 35.4 53.2



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: 144.214 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW005003.D

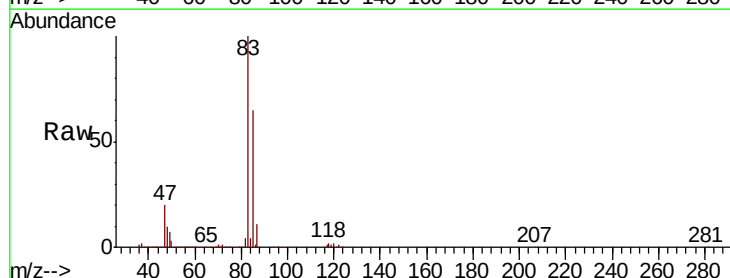
Acq: 29 Aug 2018 14:44

Tgt Ion: 83 Resp: 993944

Ion Ratio Lower Upper

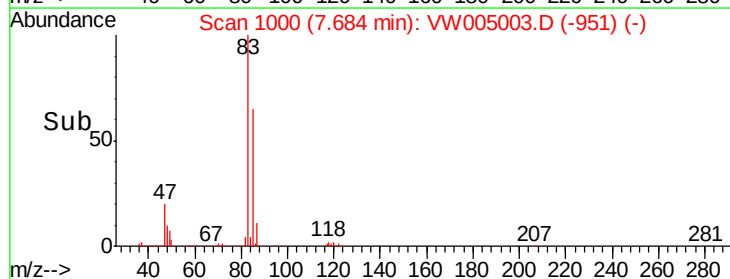
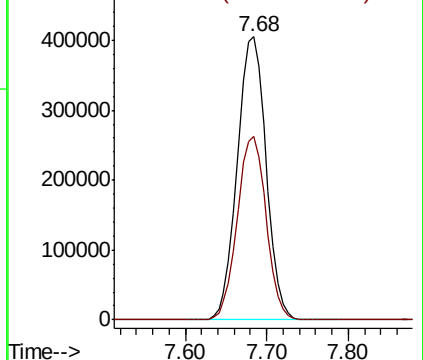
83 100

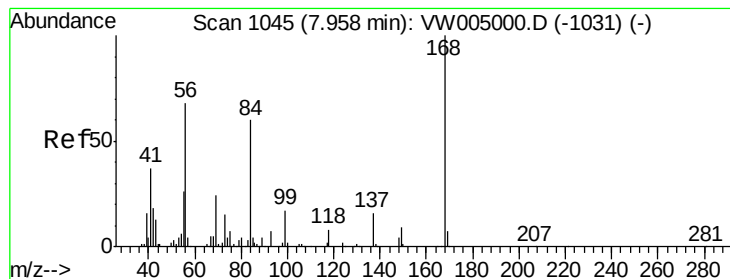
85 64.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 141.782 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

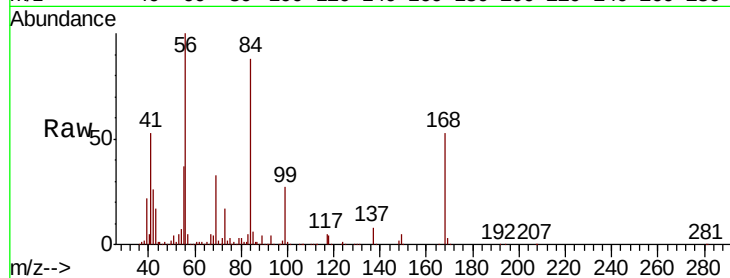
Tgt Ion: 56 Resp: 1052944

Ion Ratio Lower Upper

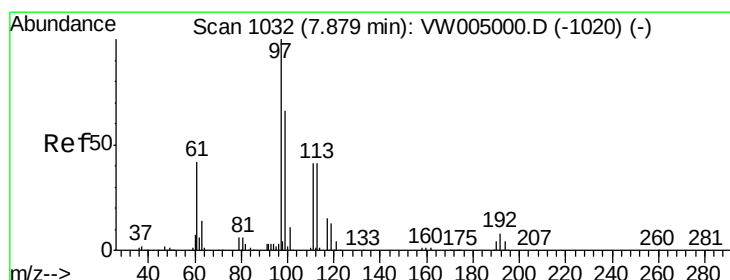
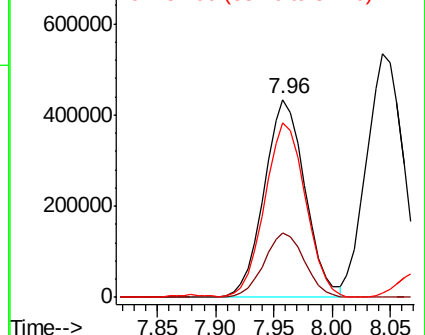
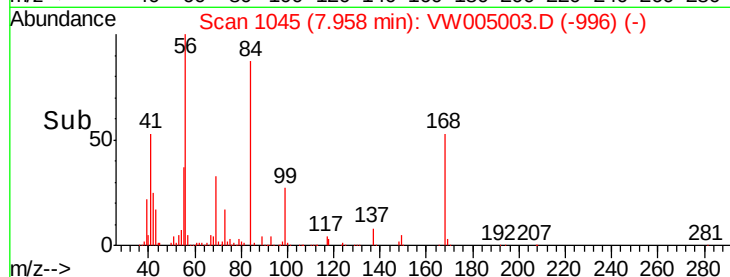
56 100

69 32.6 27.9 41.9

84 86.9 70.5 105.7



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



#32

1,1,1-Trichloroethane

Concen: 140.460 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

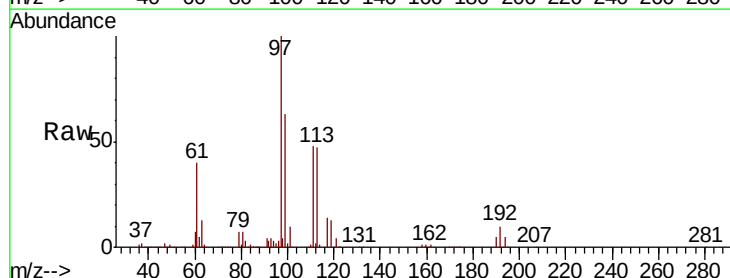
Tgt Ion: 97 Resp: 890749

Ion Ratio Lower Upper

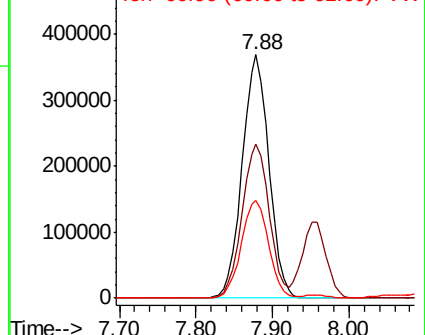
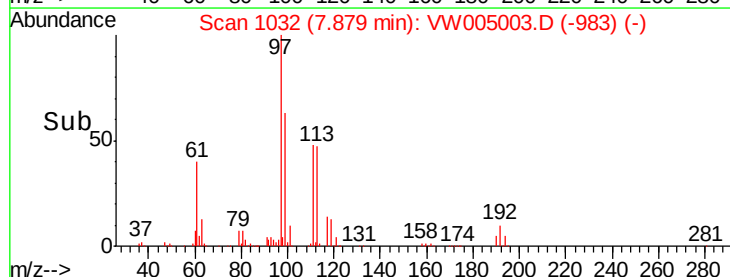
97 100

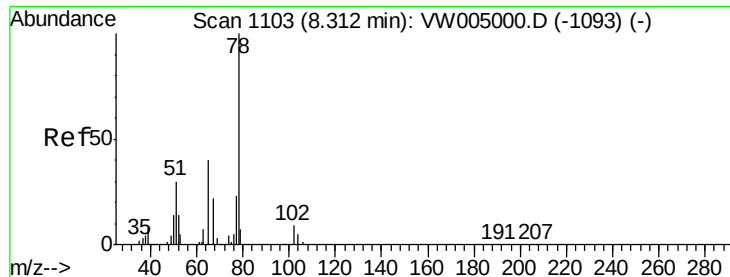
99 64.8 52.3 78.5

61 41.2 33.2 49.8



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

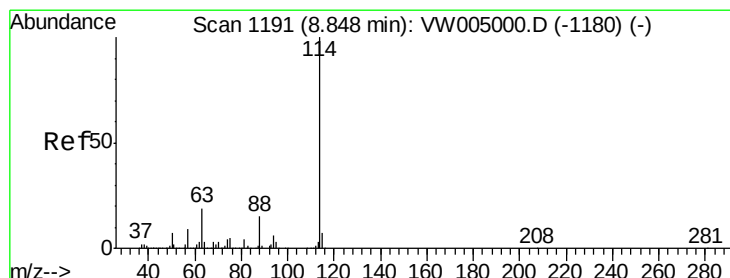
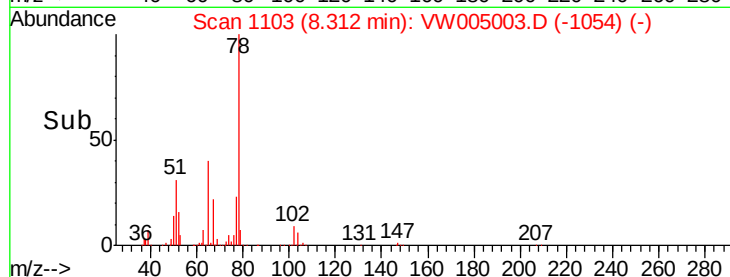
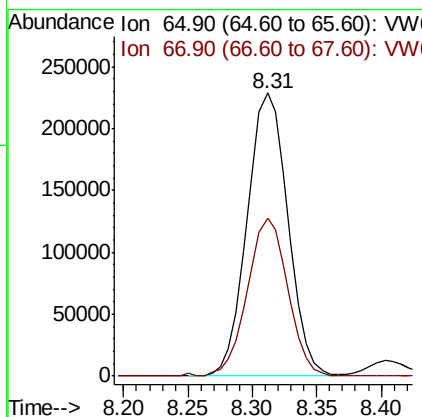
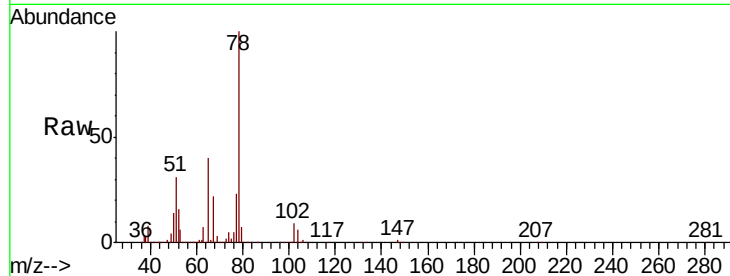




#33
 1,2-Dichloroethane-d4
 Concen: 145.362 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

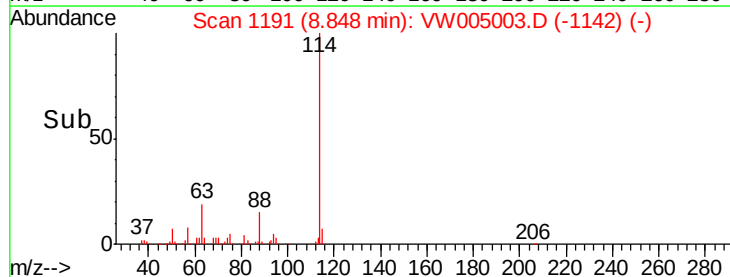
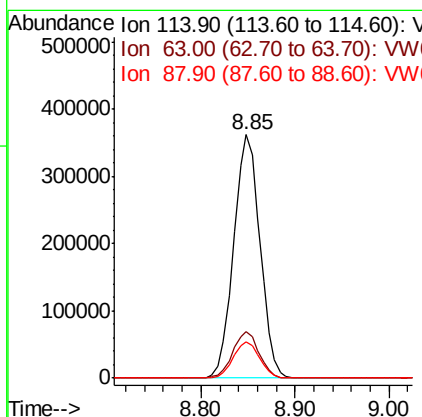
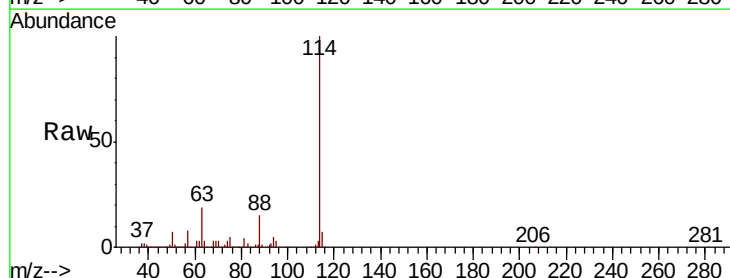
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

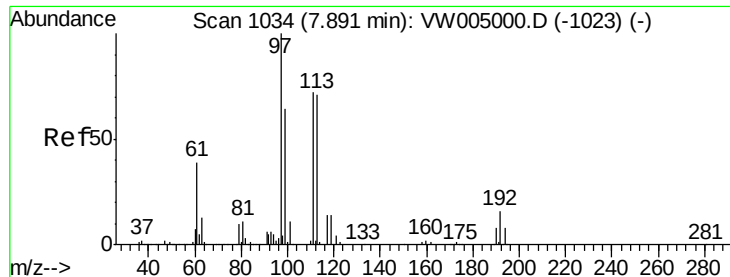
Tgt Ion: 65 Resp: 501689
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 114 Resp: 702731
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 14.7 0.0 30.6

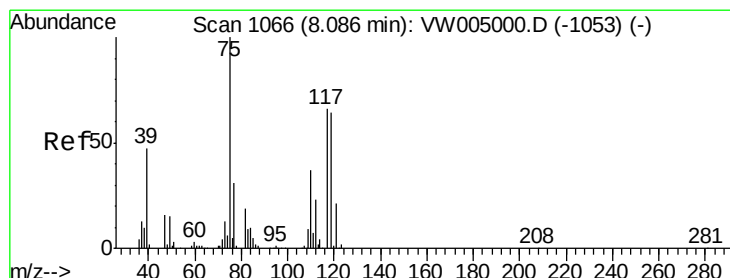
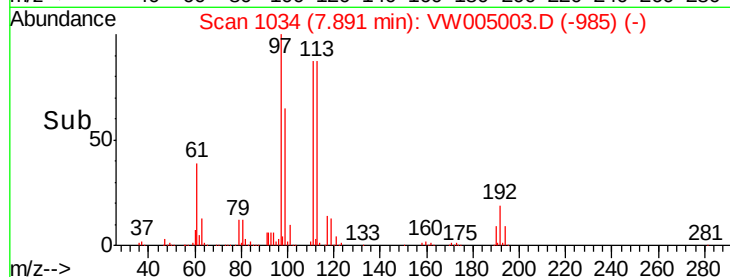
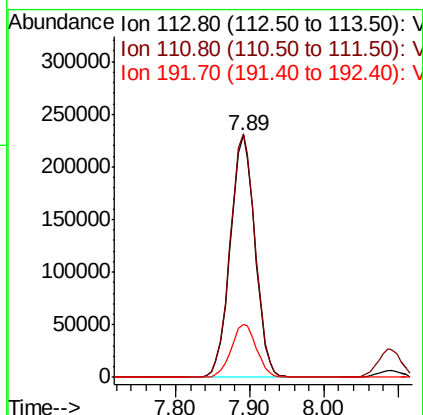
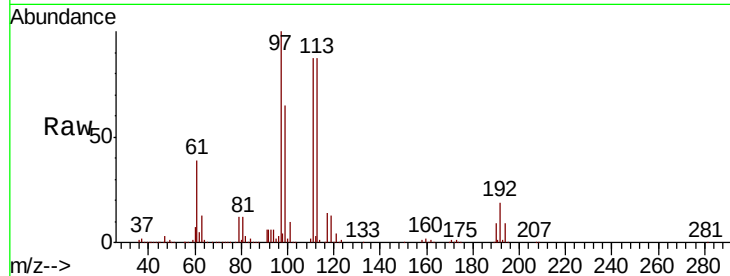




#35
 Dibromofluoromethane
 Concen: 152.946 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

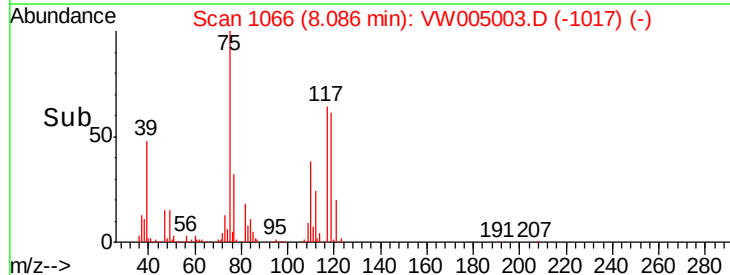
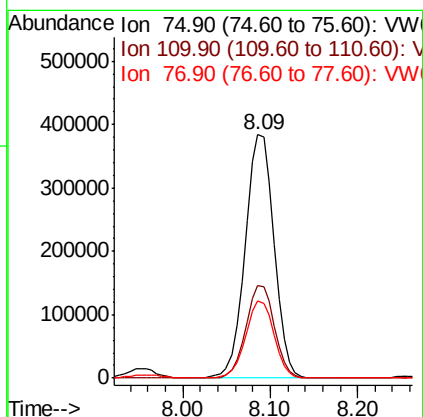
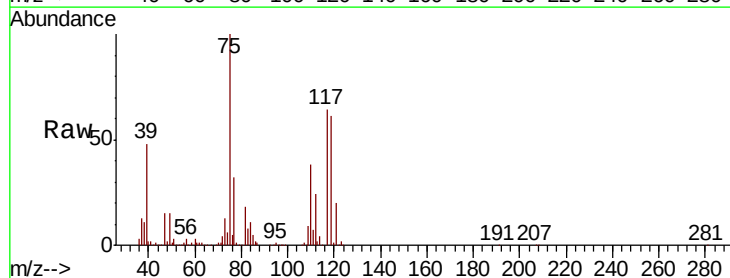
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

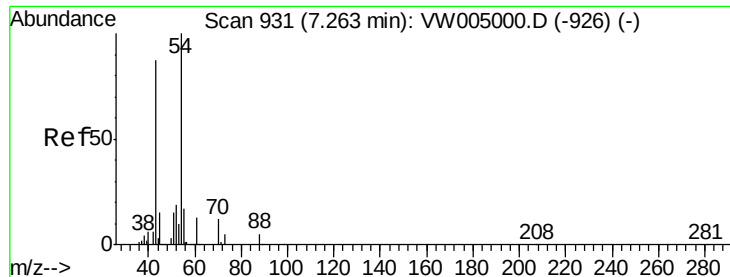
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.3	121.9
192	22.4	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 147.631 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.7	56.1
77	31.5	24.9	37.3

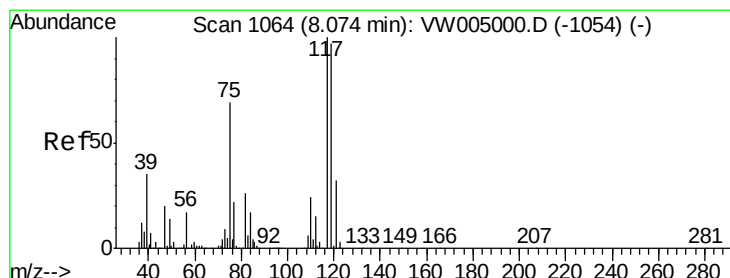
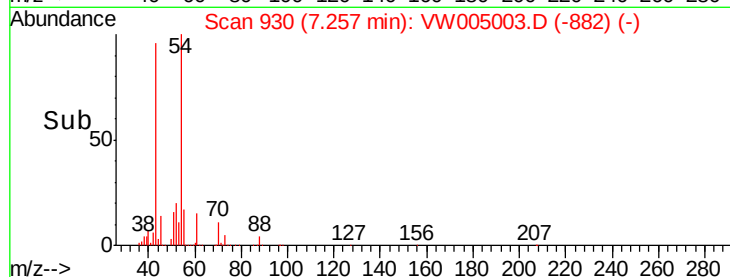
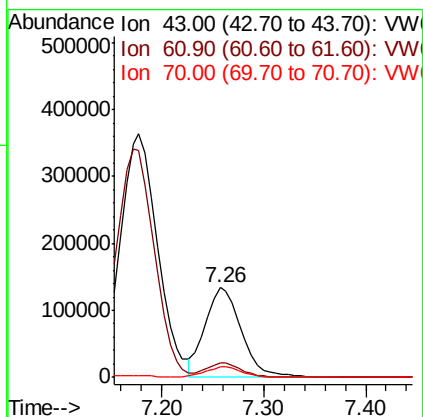
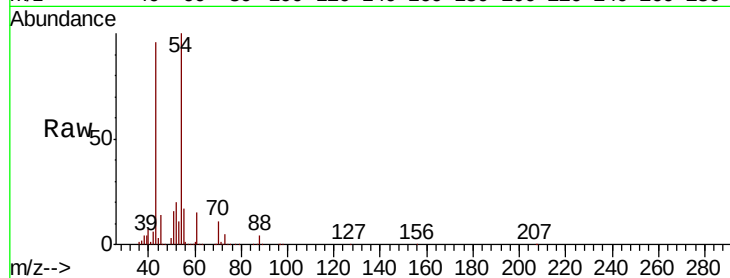




#37
Ethyl Acetate
Concen: 154.062 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

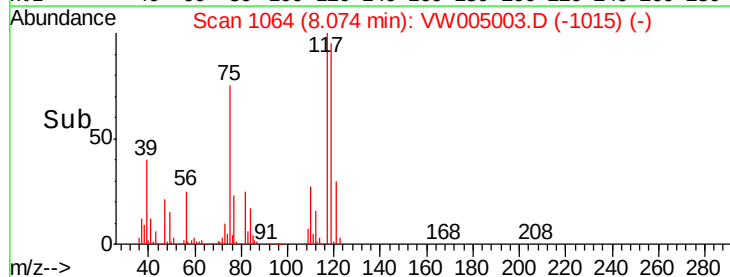
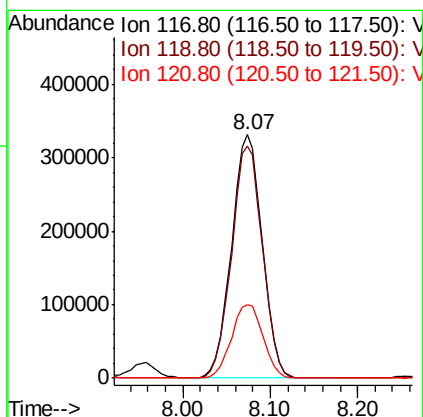
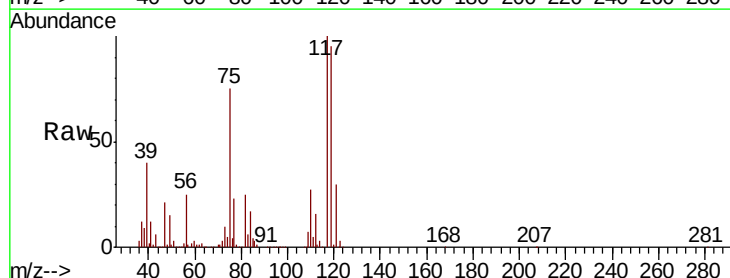
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

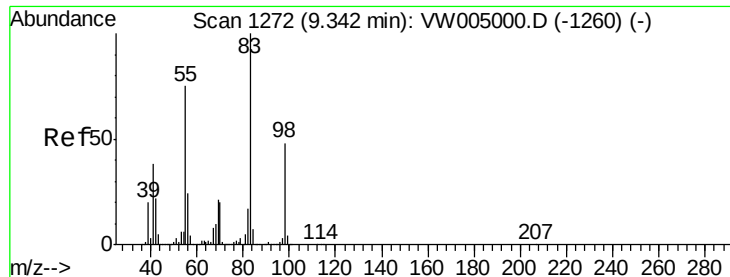
Tgt Ion: 43 Resp: 330648
Ion Ratio Lower Upper
43 100
61 15.5 12.3 18.5
70 12.1 9.7 14.5



#38
Carbon Tetrachloride
Concen: 139.961 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 117 Resp: 806510
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8
121 30.2 25.2 37.8

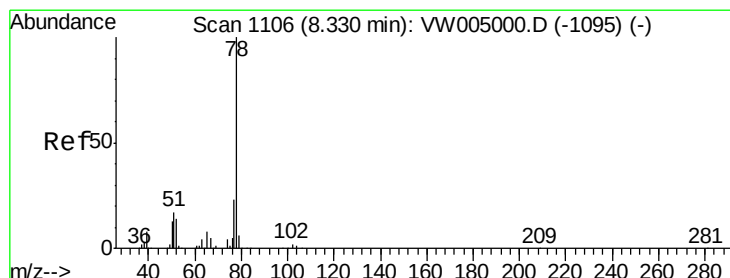
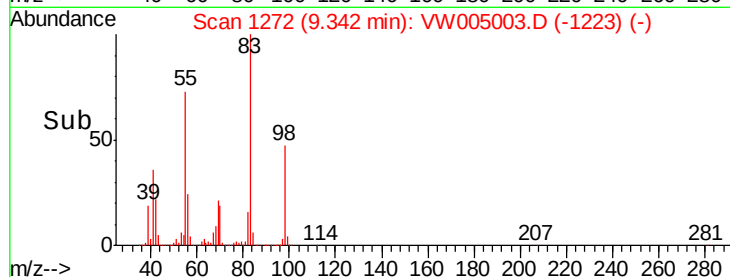
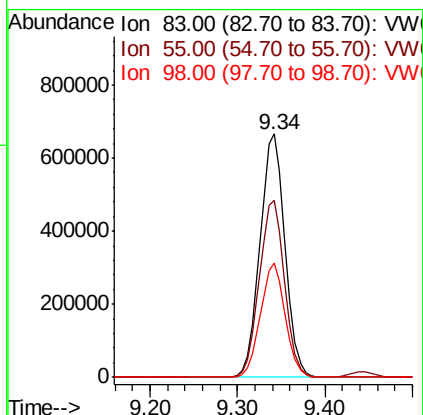
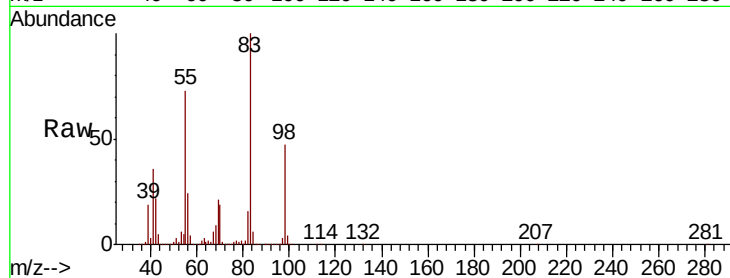




#39
Methylcyclohexane
Concen: 161.698 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

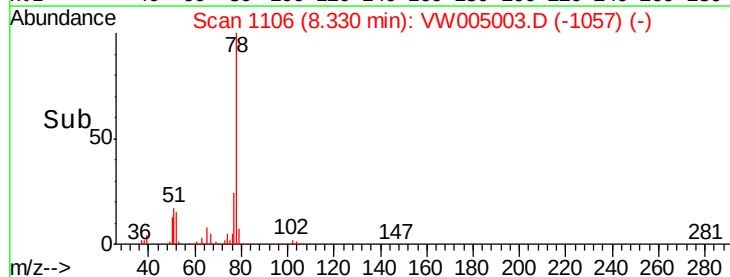
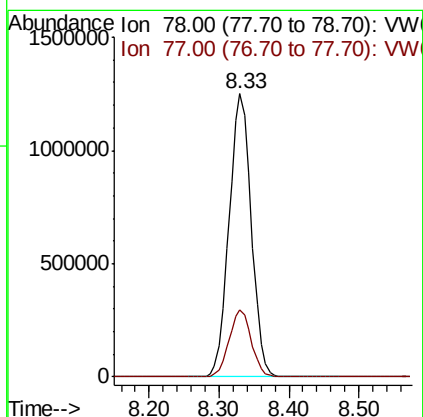
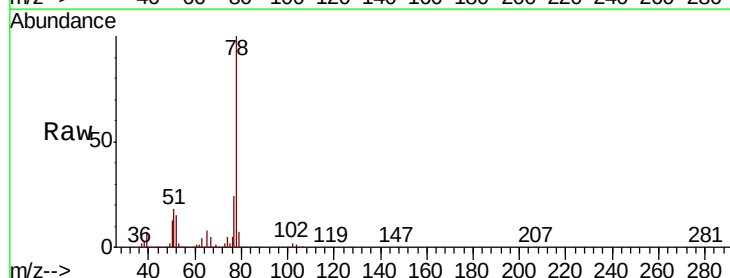
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

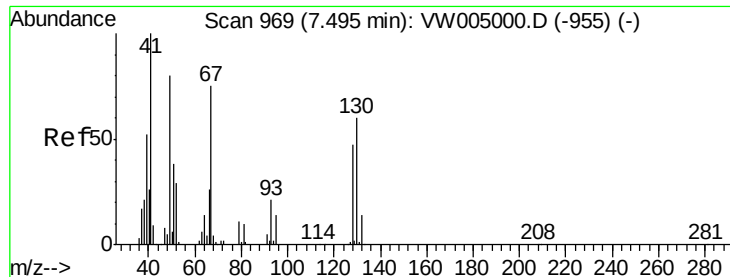
Tgt Ion: 83 Resp: 1327234
Ion Ratio Lower Upper
83 100
55 72.6 60.2 90.2
98 46.8 38.6 57.8



#40
Benzene
Concen: 143.910 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 78 Resp: 2742822
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

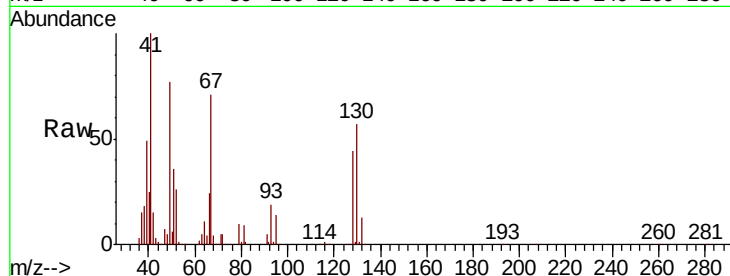




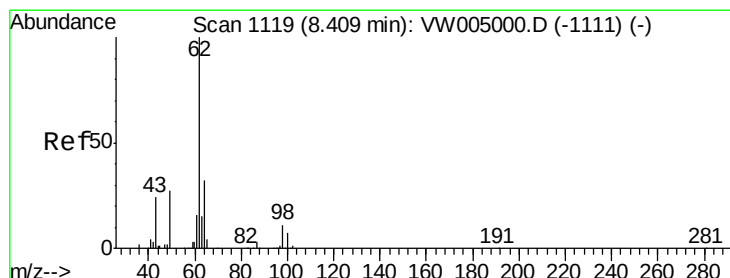
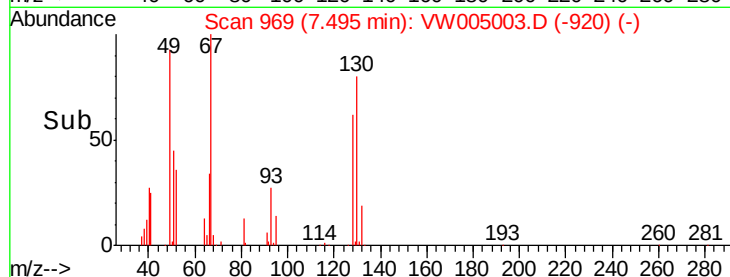
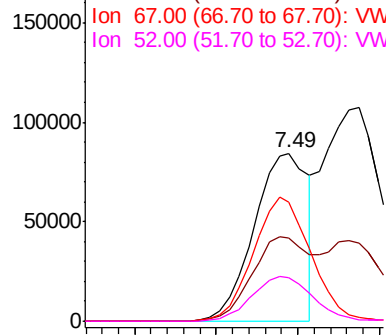
#41
Methacrylonitrile
Concen: 155.188 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	194094
Ion	Ratio	Lower	Upper
41	100		
39	50.1	42.0	63.0
67	78.3	63.4	95.2
52	30.2	24.6	37.0

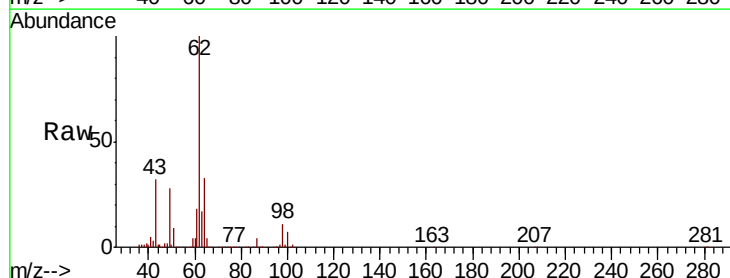


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

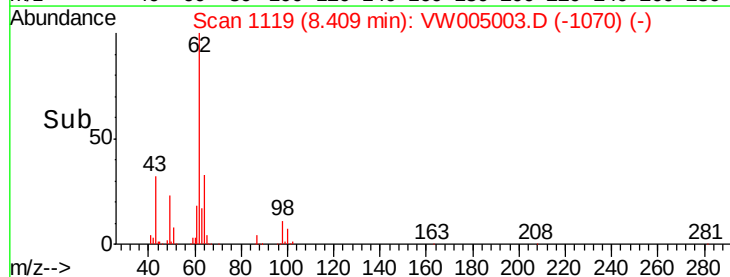
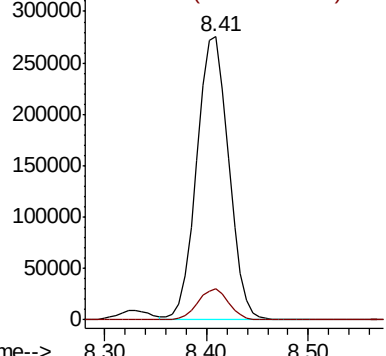


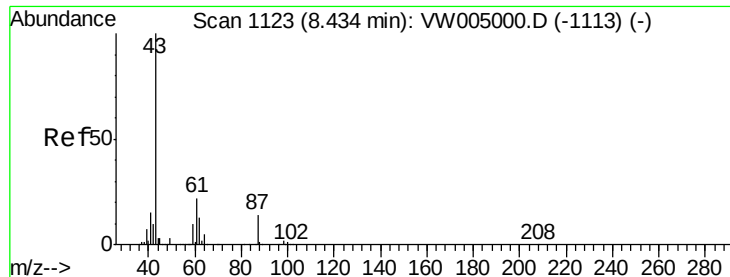
#42
1,2-Dichloroethane
Concen: 140.978 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion:	62	Resp:	597888
Ion	Ratio	Lower	Upper
62	100		
98	10.6	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: 159.317 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

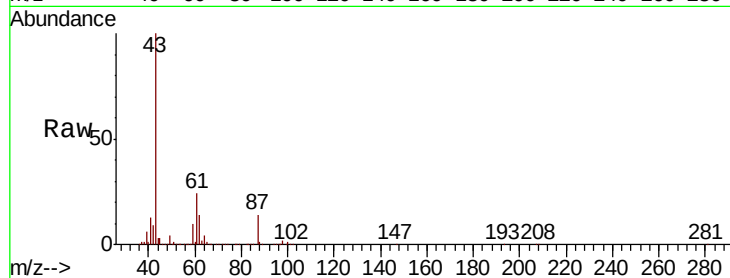
Tgt Ion: 43 Resp: 680367

Ion Ratio Lower Upper

43 100

61 31.7 26.2 39.4

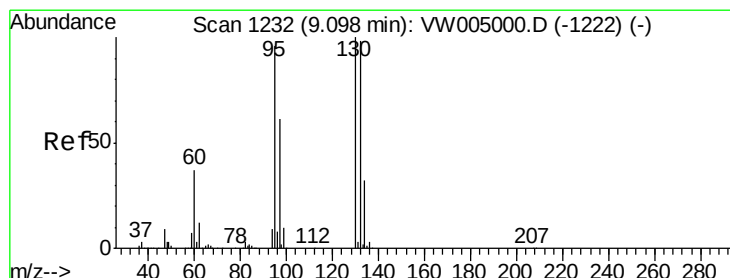
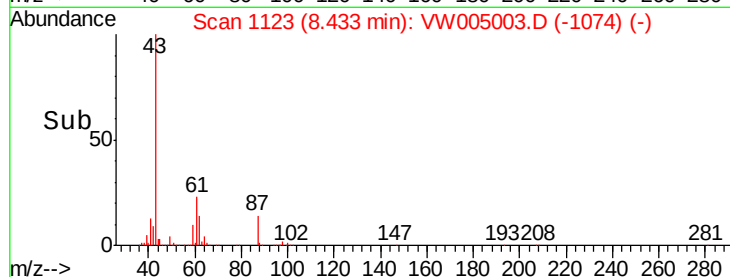
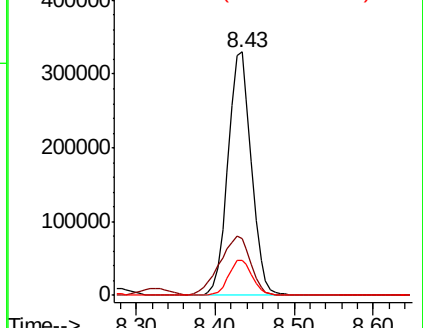
87 14.7 11.8 17.6



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



#44

Trichloroethene

Concen: 145.719 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005003.D

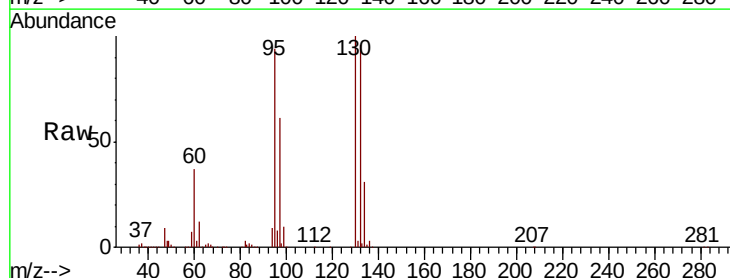
Acq: 29 Aug 2018 14:44

Tgt Ion: 130 Resp: 709387

Ion Ratio Lower Upper

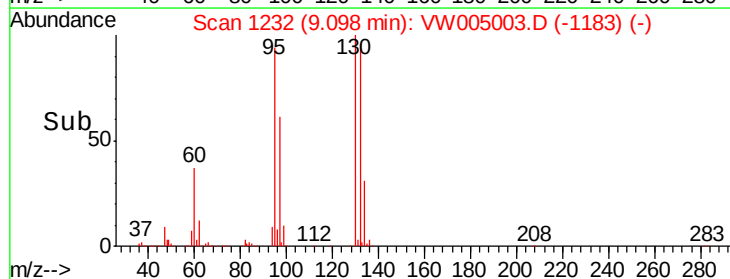
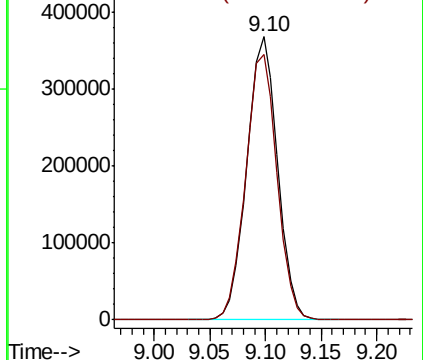
130 100

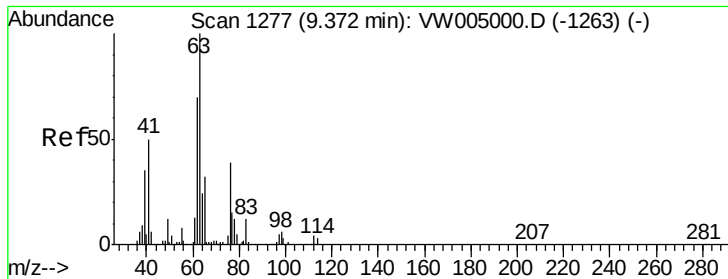
95 93.6 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

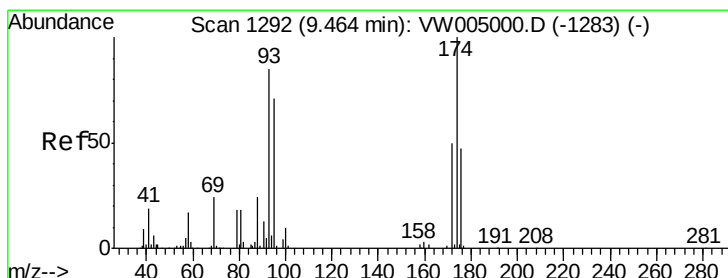
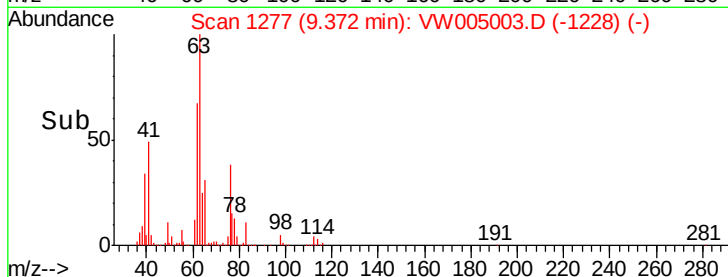
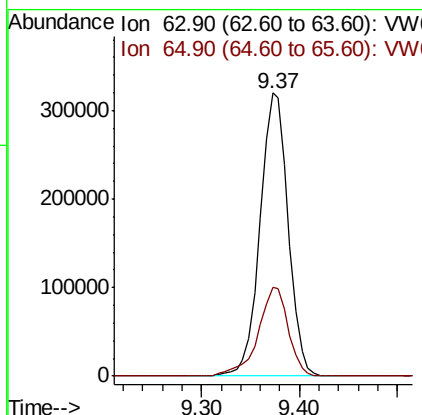
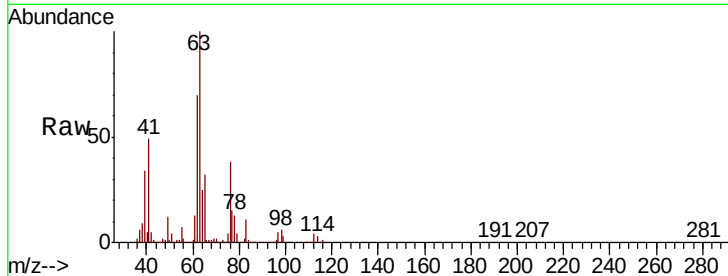




#45
 1,2-Dichloropropane
 Concen: 147.024 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

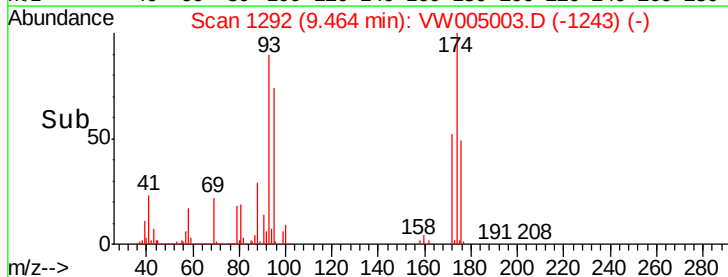
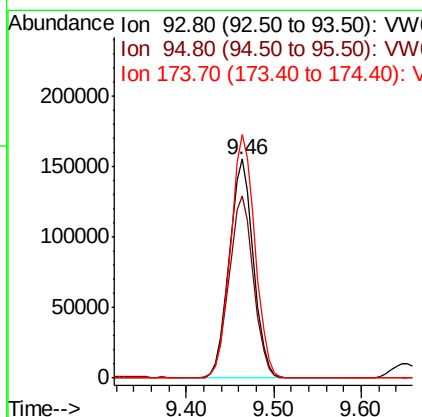
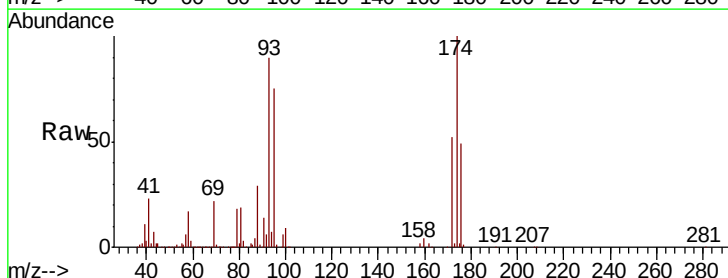
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

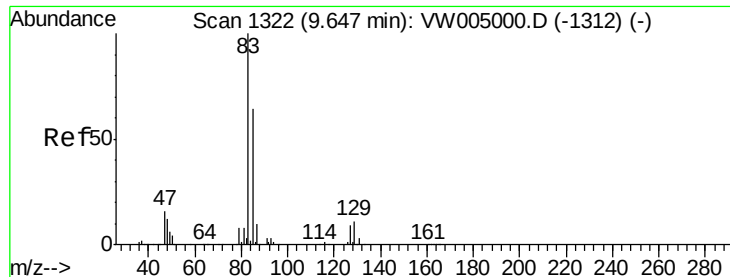
Tgt Ion: 63 Resp: 641126
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.3 37.9



#46
 Dibromomethane
 Concen: 144.285 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 93 Resp: 297794
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.0 102.0
 174 113.2 91.4 137.0





#47

Bromodichloromethane

Concen: 146.503 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

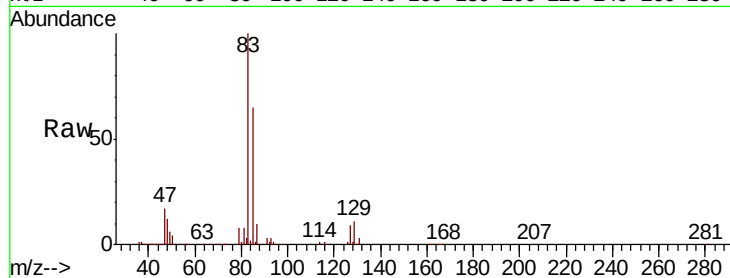
Tgt Ion: 83 Resp: 747135

Ion Ratio Lower Upper

83 100

85 64.8 51.3 76.9

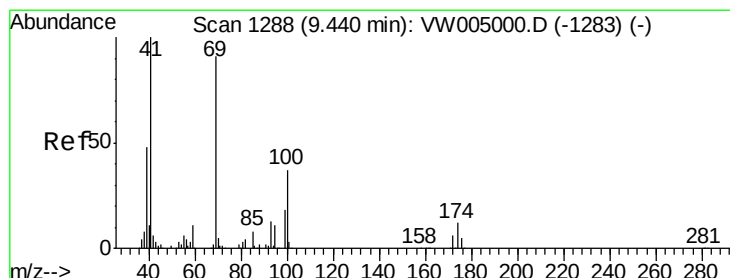
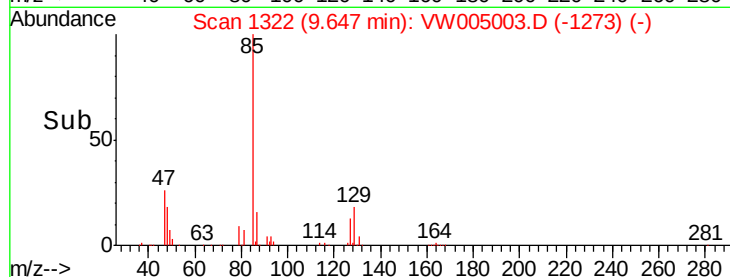
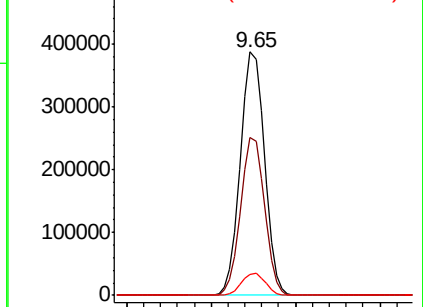
127 8.6 7.2 10.8



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: 171.023 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

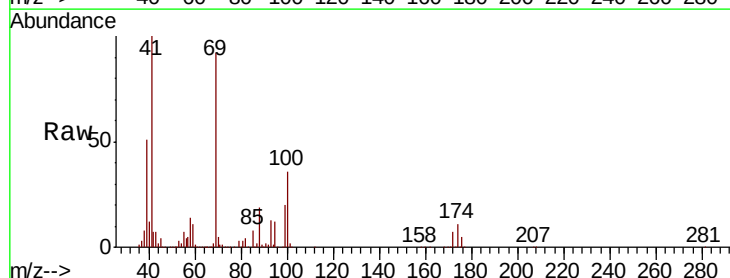
Tgt Ion: 41 Resp: 387783

Ion Ratio Lower Upper

41 100

69 91.6 72.5 108.7

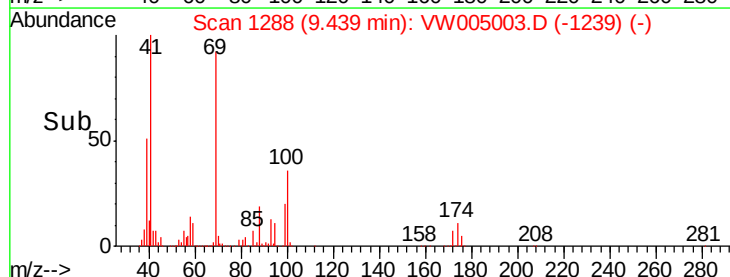
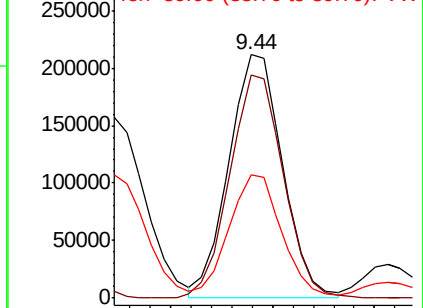
39 47.7 37.0 55.6

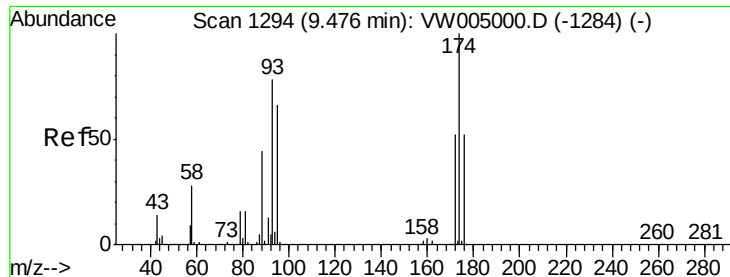


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3201.657 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

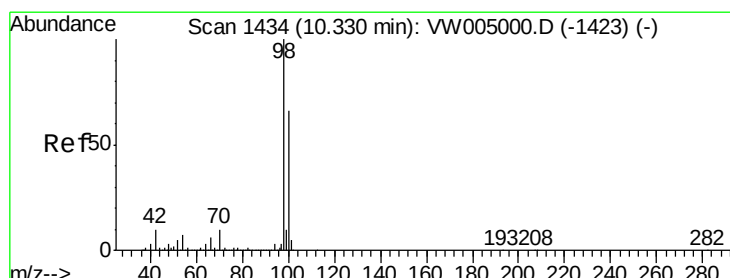
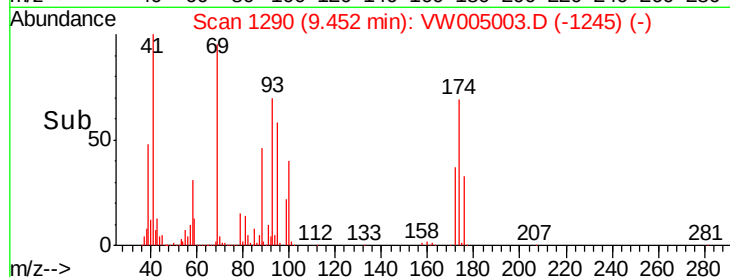
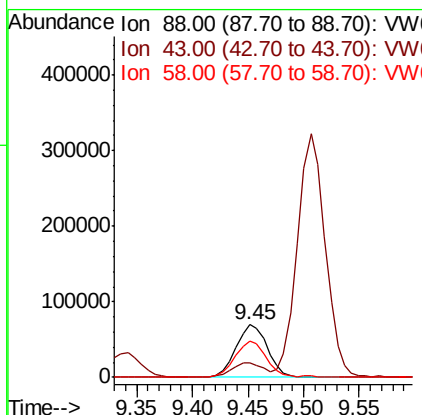
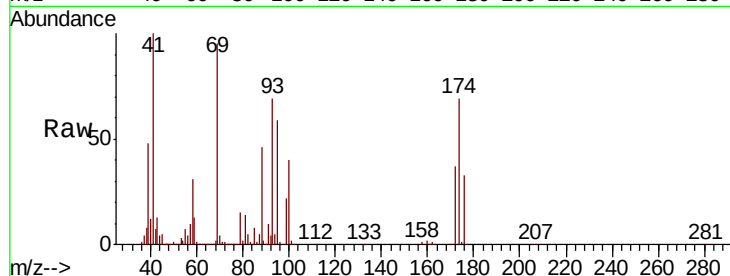
Tgt Ion: 88 Resp: 137127

Ion Ratio Lower Upper

88 100

43 27.6 0.0 0.0#

58 67.6 57.0 85.4



#50

Toluene-d8

Concen: 155.491 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005003.D

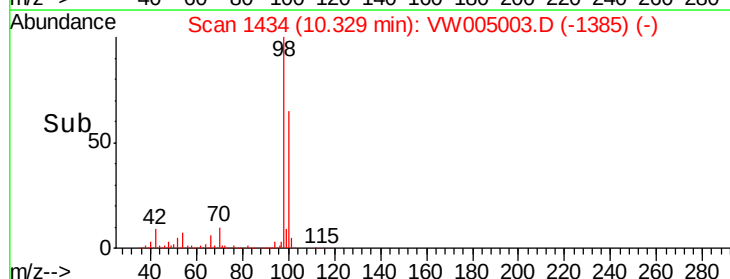
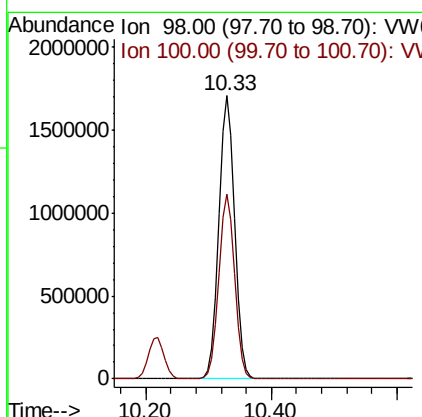
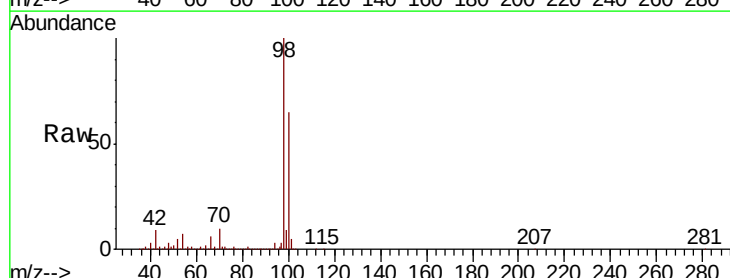
Acq: 29 Aug 2018 14:44

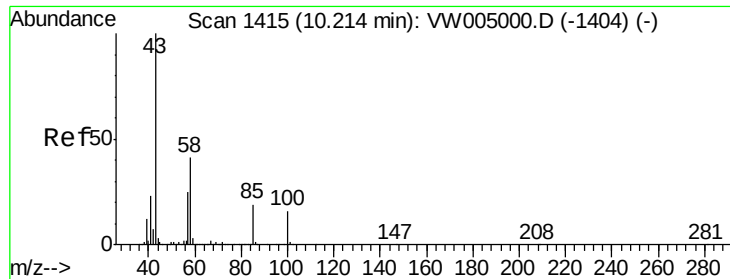
Tgt Ion: 98 Resp: 2972800

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9

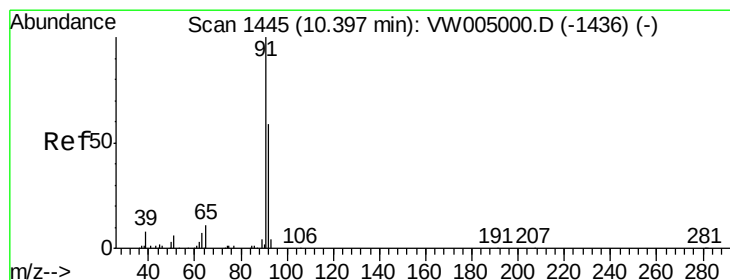
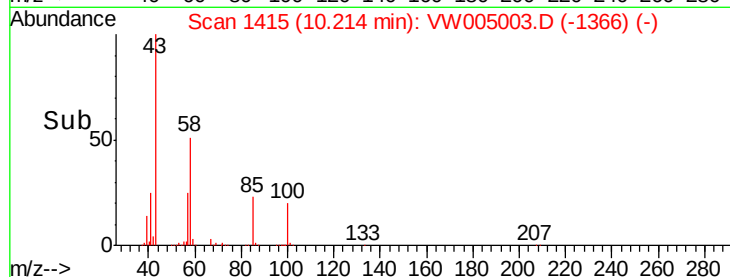
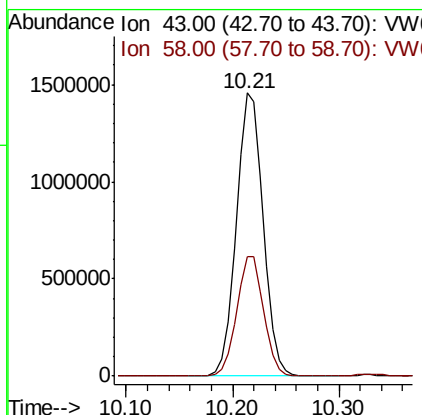
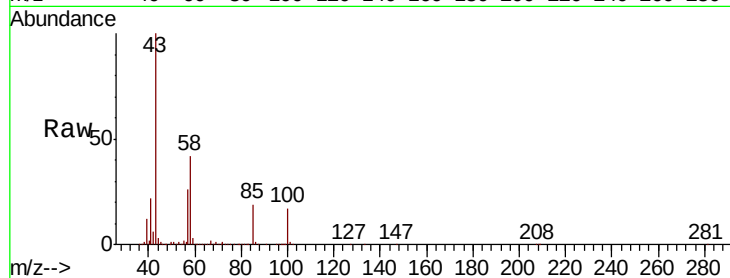




#51
 4-Methyl-2-Pentanone
 Concen: 802.648 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

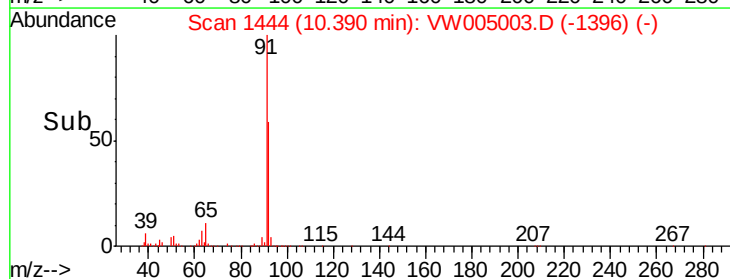
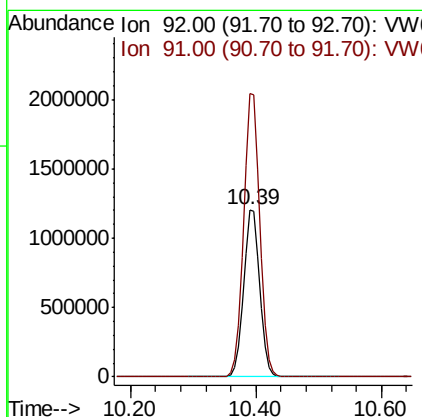
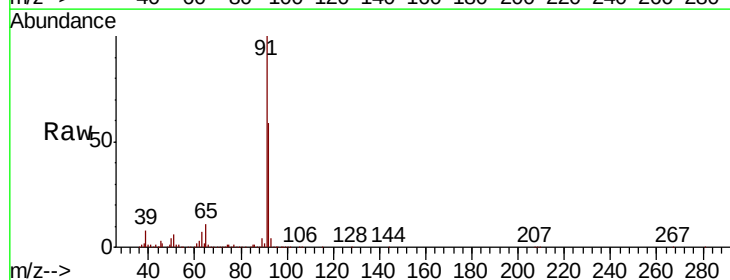
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

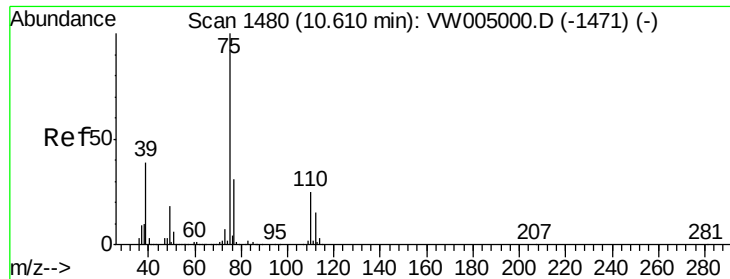
Tgt Ion: 43 Resp: 2567230
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.5 50.3



#52
 Toluene
 Concen: 150.019 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 92 Resp: 2121309
 Ion Ratio Lower Upper
 92 100
 91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 160.022 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

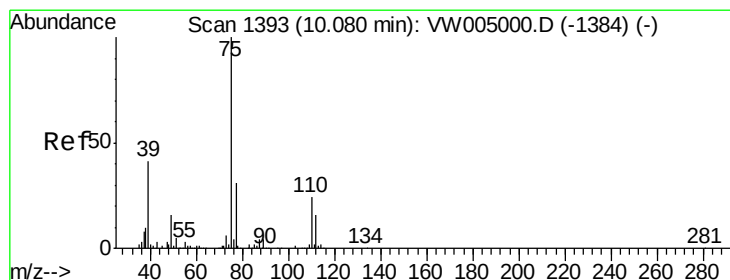
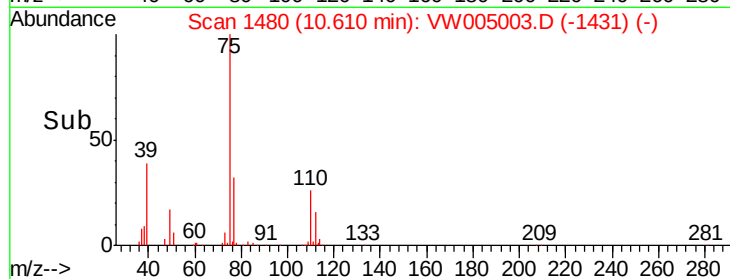
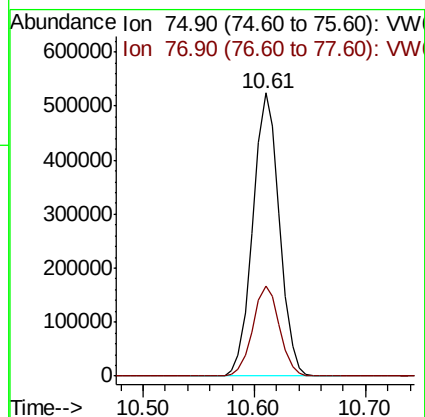
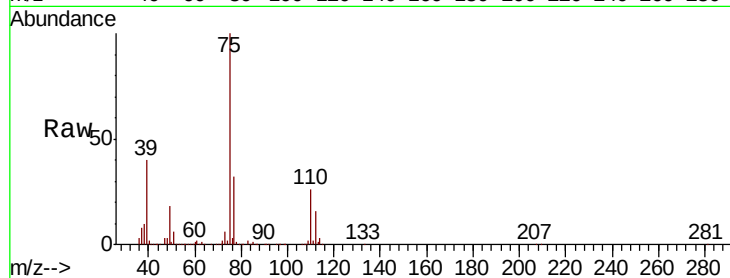
VSTDIC150

Tgt Ion: 75 Resp: 871550

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 155.795 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

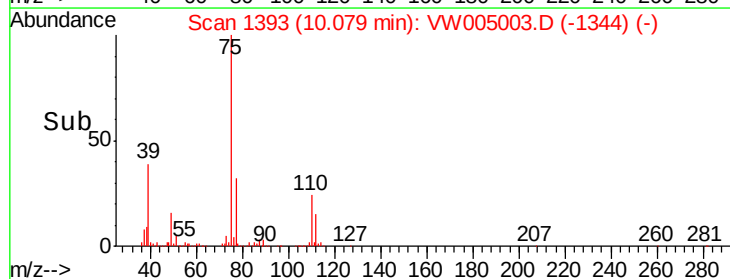
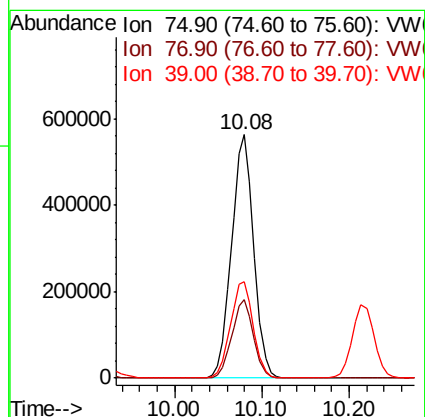
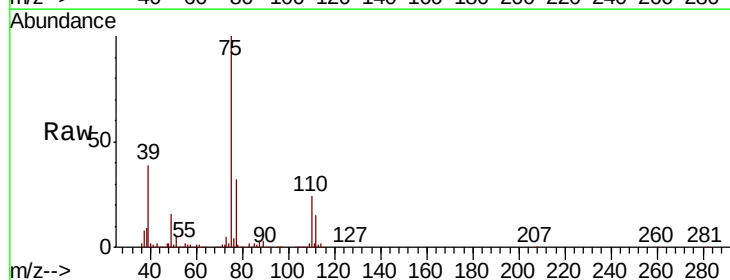
Tgt Ion: 75 Resp: 989477

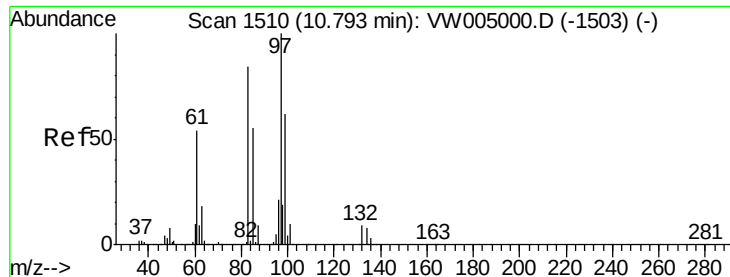
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 39.4 32.9 49.3





#55

1,1,2-Trichloroethane

Concen: 143.553 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 484953

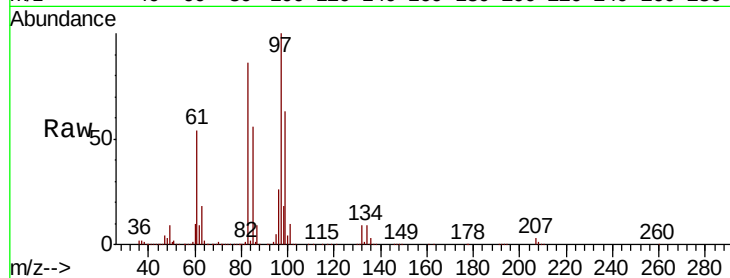
Ion Ratio Lower Upper

97 100

83 86.1 67.3 100.9

85 55.5 44.3 66.5

99 63.0 49.4 74.0



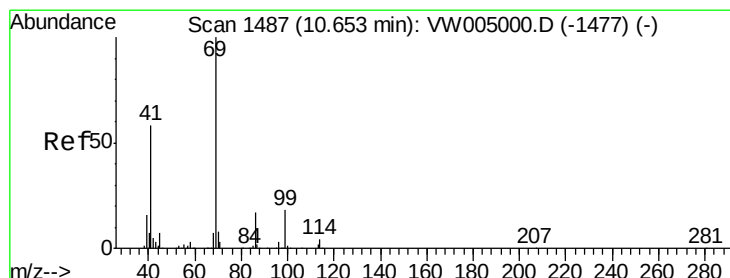
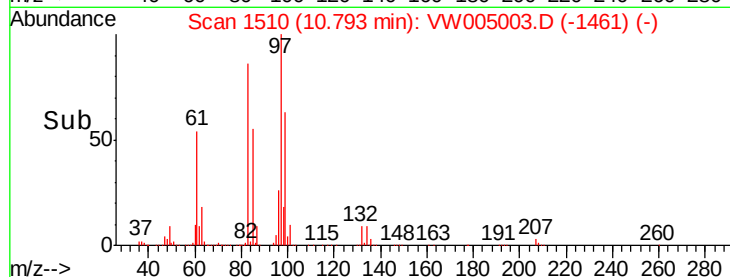
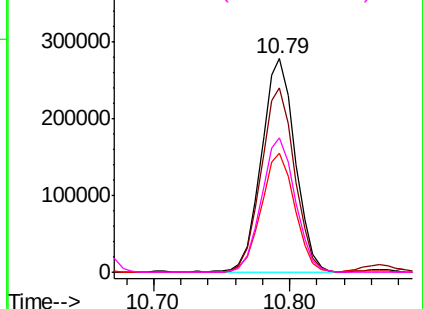
Abundance

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: 169.763 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

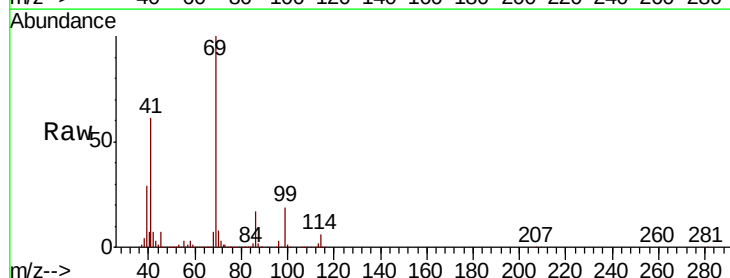
Tgt Ion: 69 Resp: 752233

Ion Ratio Lower Upper

69 100

41 60.4 47.7 71.5

39 25.6 21.0 31.6

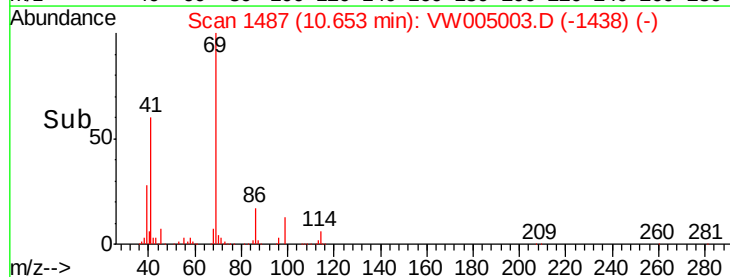
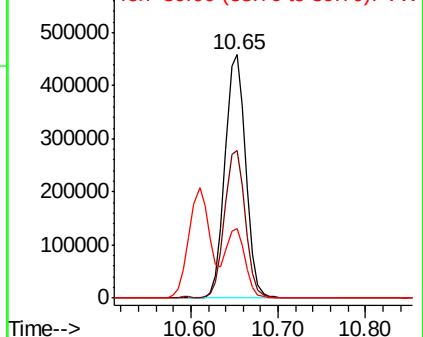


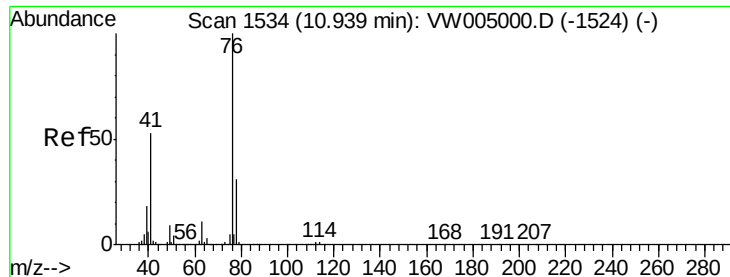
Abundance

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: 149.808 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

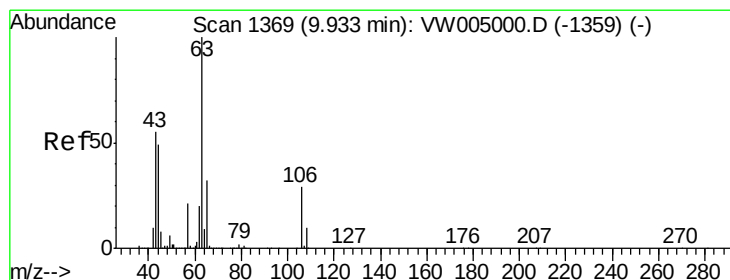
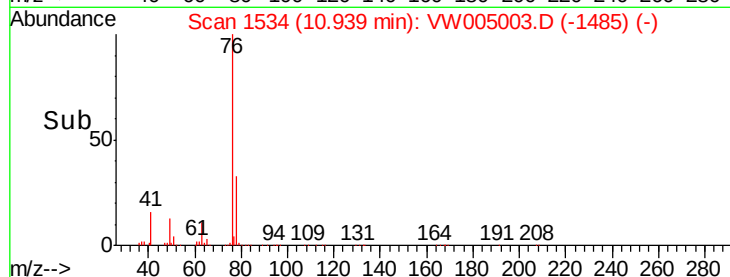
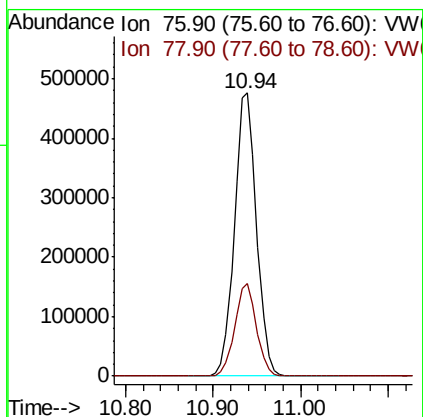
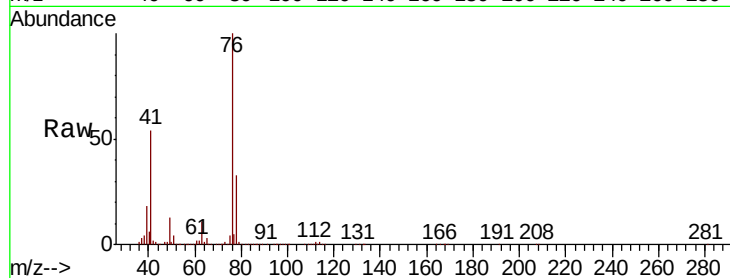
VSTDIC150

Tgt Ion: 76 Resp: 832765

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 855.945 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW005003.D

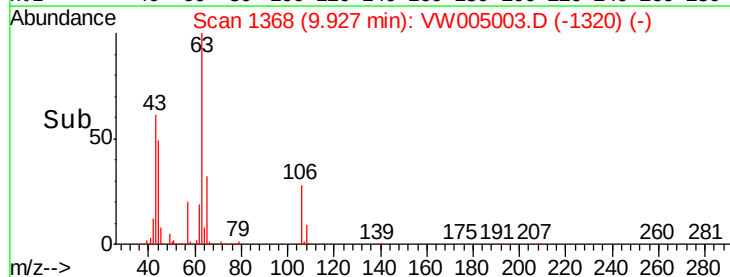
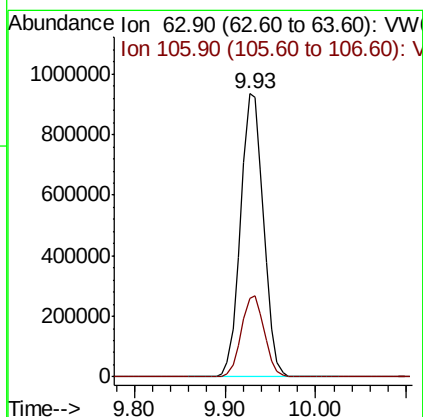
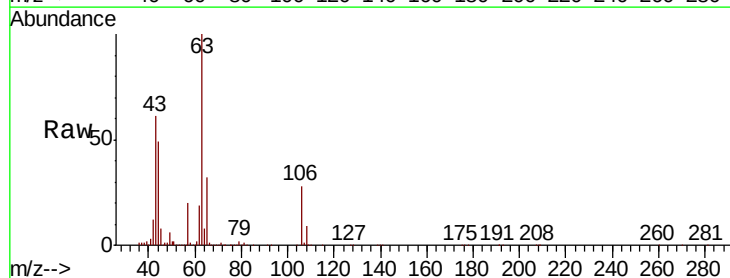
Acq: 29 Aug 2018 14:44

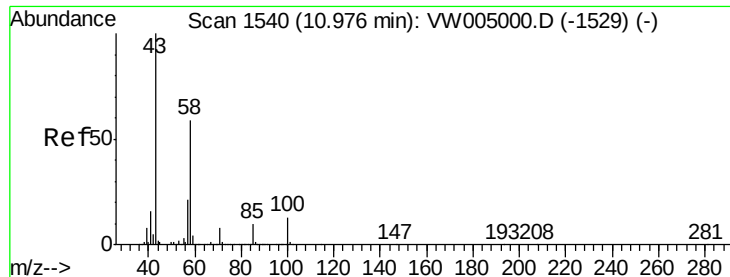
Tgt Ion: 63 Resp: 1634011

Ion Ratio Lower Upper

63 100

106 28.7 23.2 34.8





#59

2-Hexanone

Concen: 809.609 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

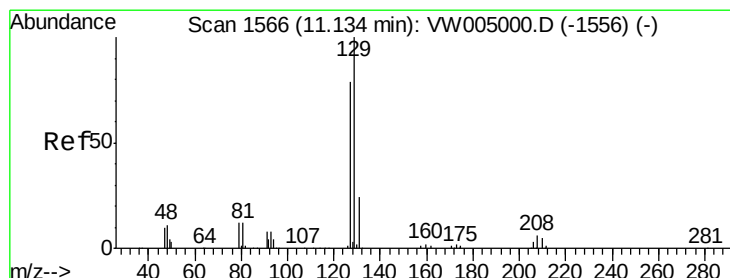
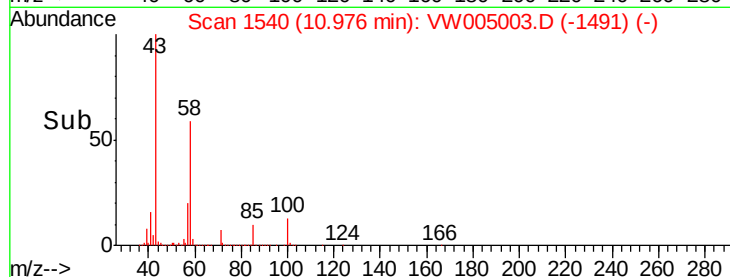
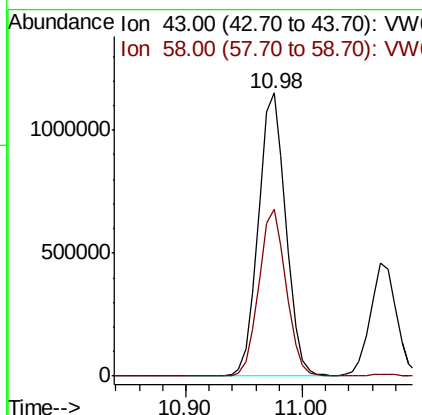
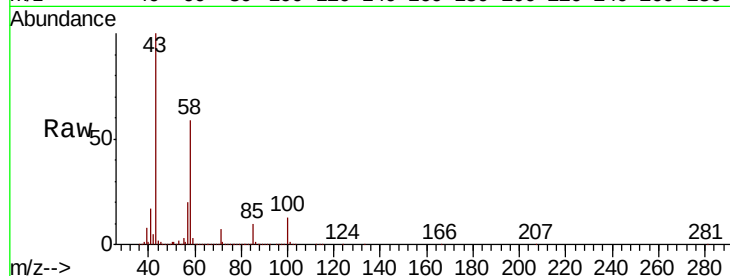
VSTDICC150

Tgt Ion: 43 Resp: 1874885

Ion Ratio Lower Upper

43 100

58 58.6 29.2 87.6



#60

Dibromochloromethane

Concen: 154.566 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW005003.D

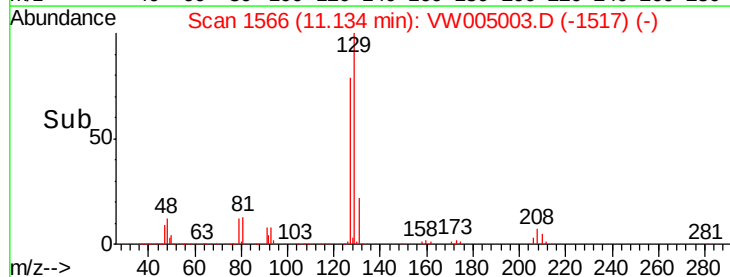
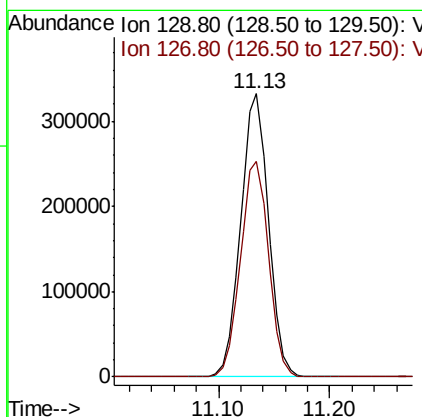
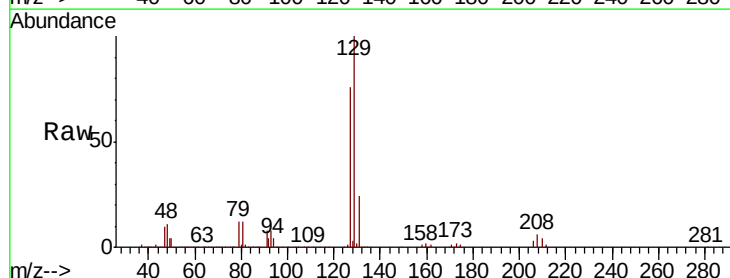
Acq: 29 Aug 2018 14:44

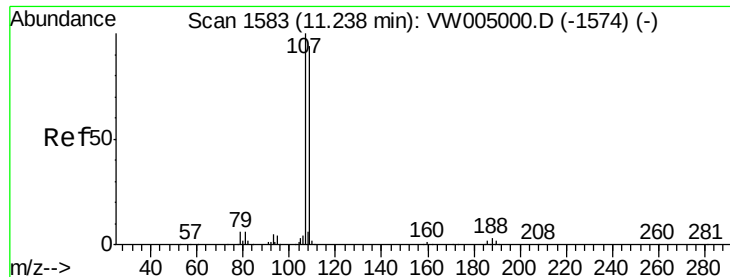
Tgt Ion: 129 Resp: 573068

Ion Ratio Lower Upper

129 100

127 77.2 38.3 114.8

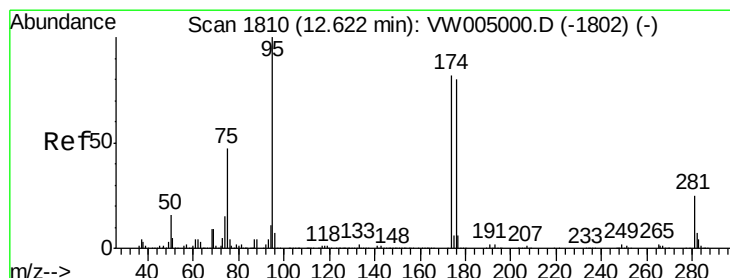
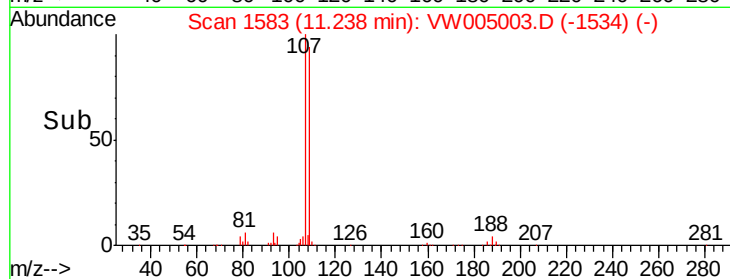
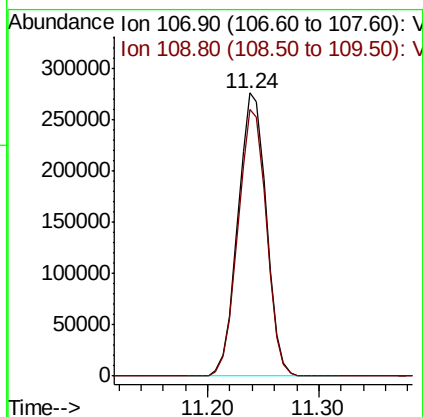
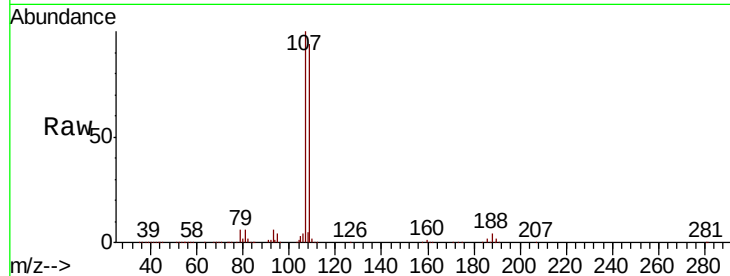




#61
 1,2-Dibromoethane
 Concen: 154.136 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

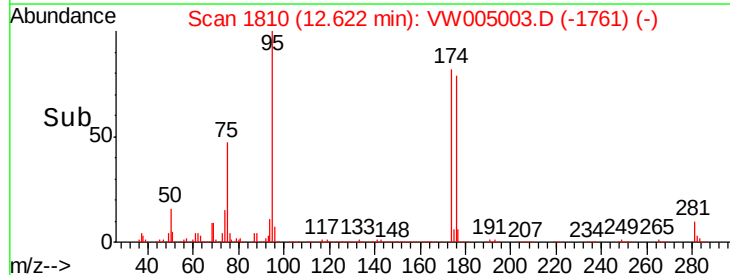
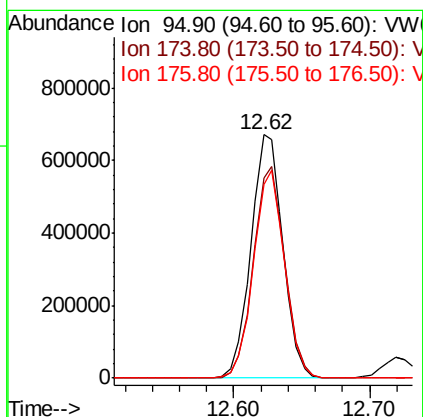
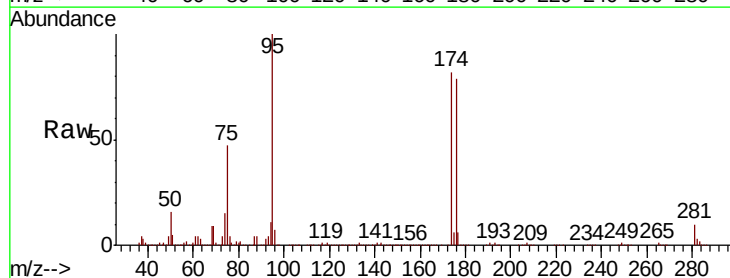
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

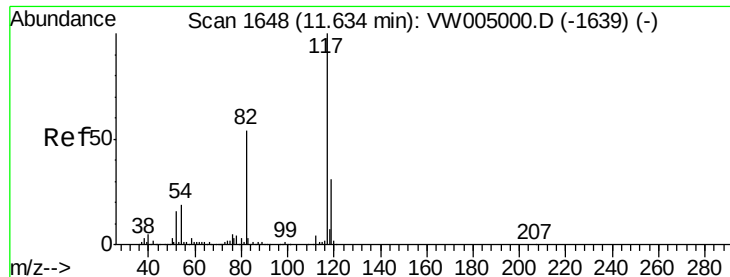
Tgt Ion: 107 Resp: 488162
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 158.389 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 95 Resp: 1104056
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 173.4
 176 83.4 0.0 167.8

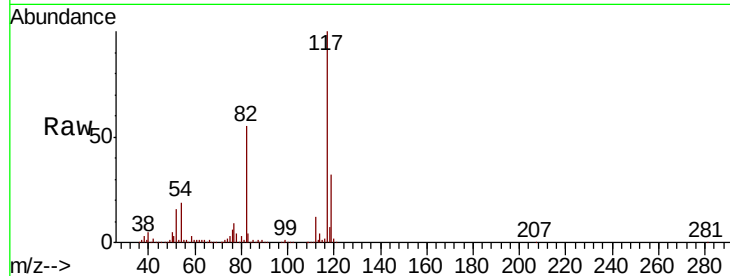




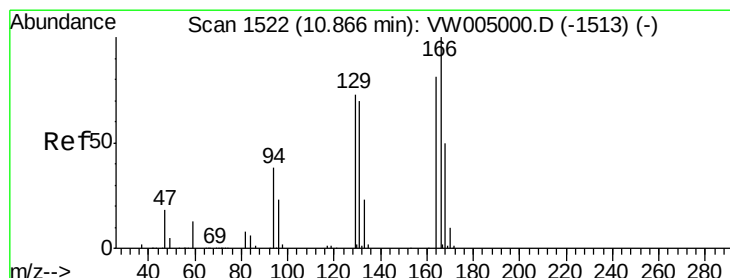
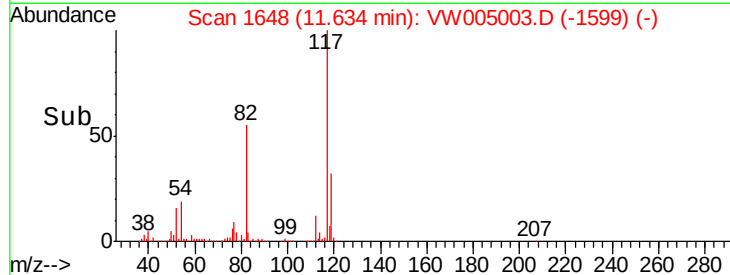
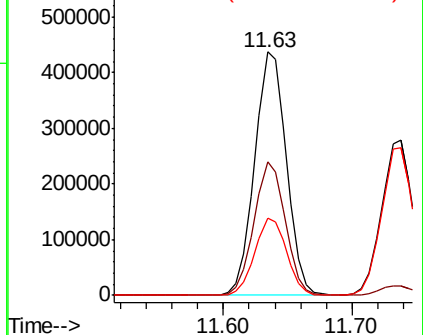
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 740933
Ion Ratio Lower Upper
117 100
82 54.8 43.3 64.9
119 31.8 25.0 37.6

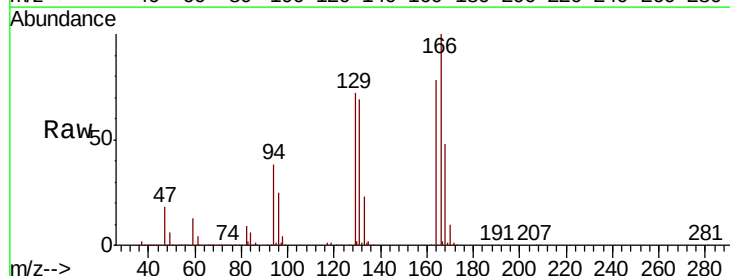


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

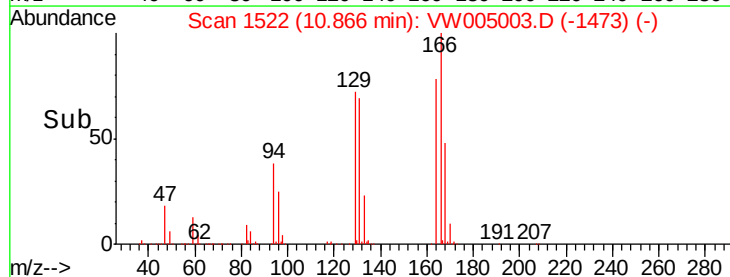
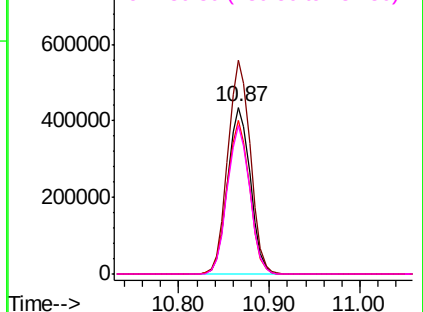


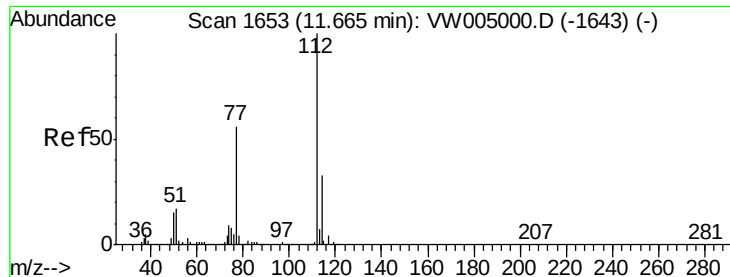
#64
Tetrachloroethene
Concen: 138.957 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion:164 Resp: 750662
Ion Ratio Lower Upper
164 100
166 128.1 99.4 149.0
129 92.0 72.2 108.2
131 88.7 69.3 103.9



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

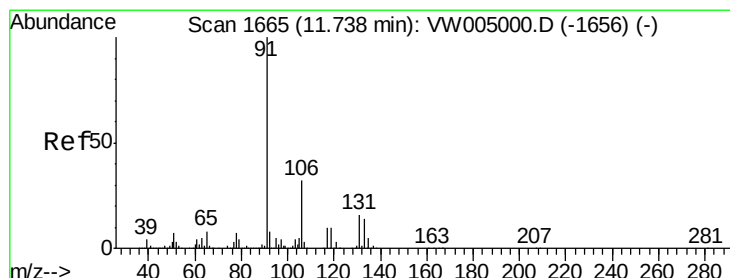
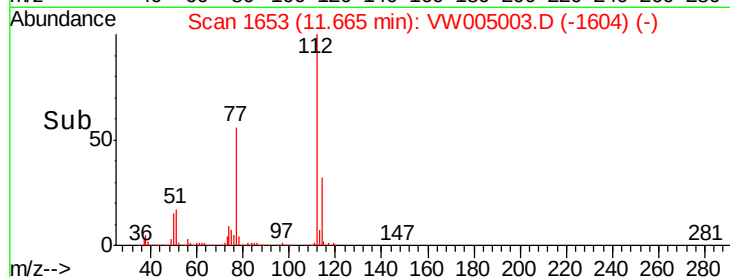
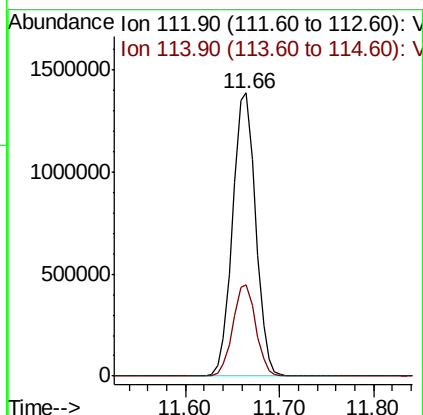
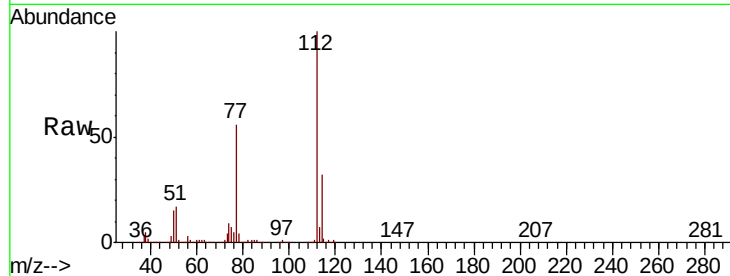




#65
Chlorobenzene
Concen: 145.240 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

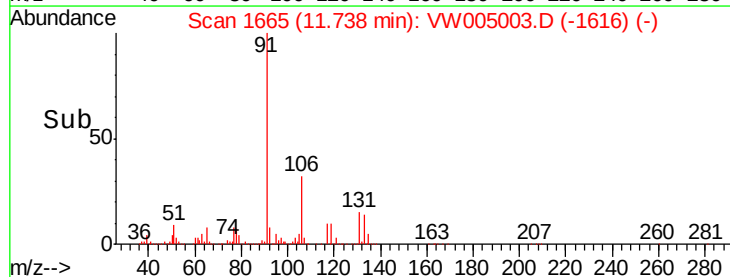
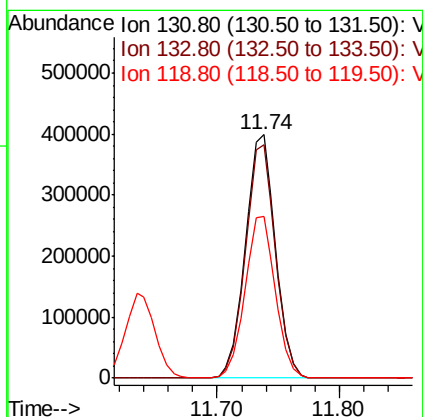
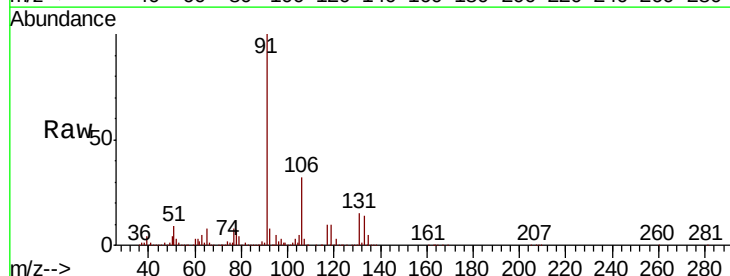
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

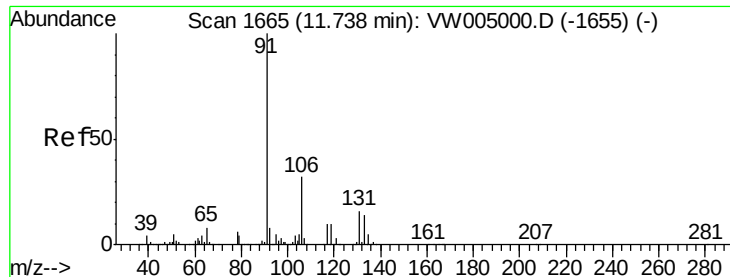
Tgt Ion:112 Resp: 2364324
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 151.624 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion:131 Resp: 677919
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 67.1 33.1 99.3

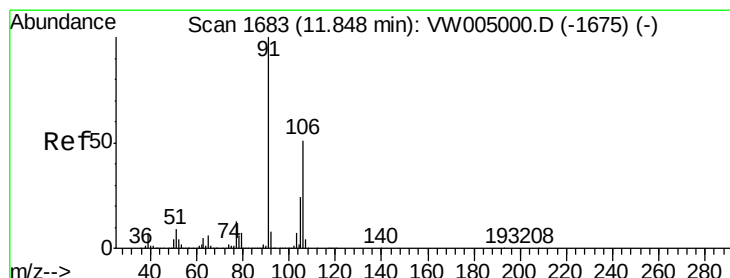
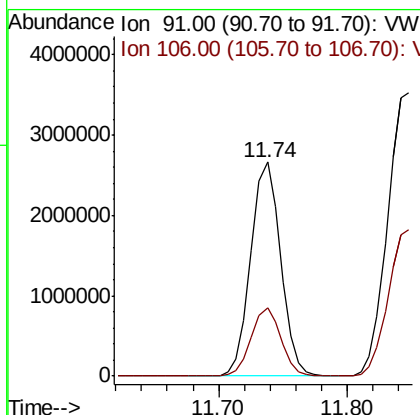
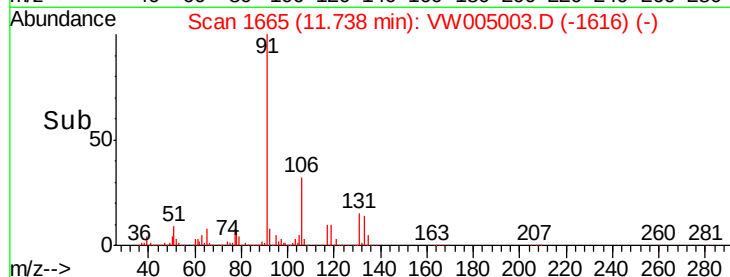
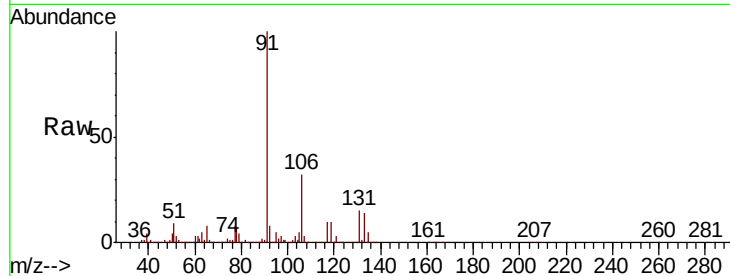




#67
Ethyl Benzene
Concen: 152.871 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

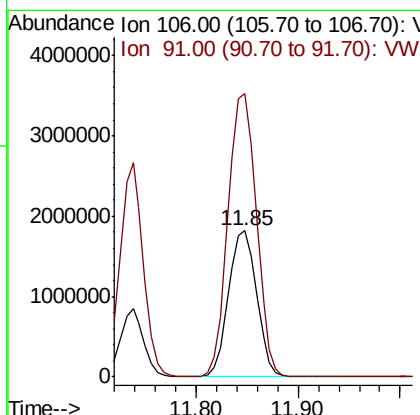
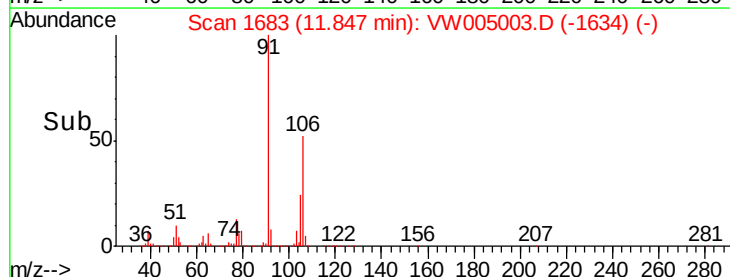
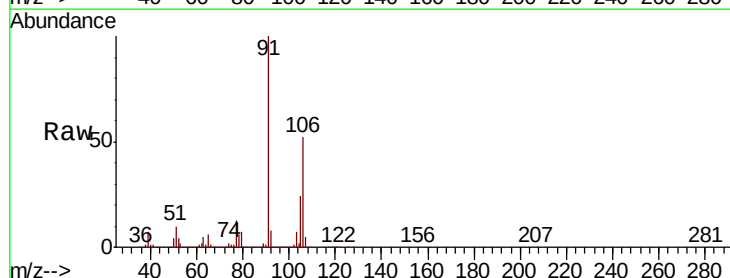
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

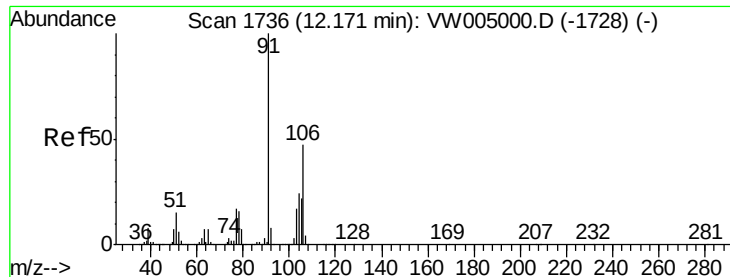
Tgt Ion: 91 Resp: 4261092
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 304.538 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion: 106 Resp: 3462258
Ion Ratio Lower Upper
106 100
91 196.4 158.4 237.6

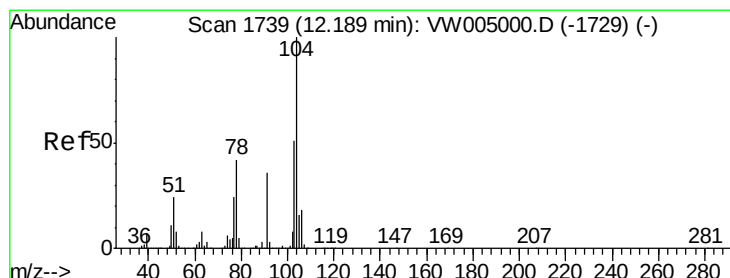
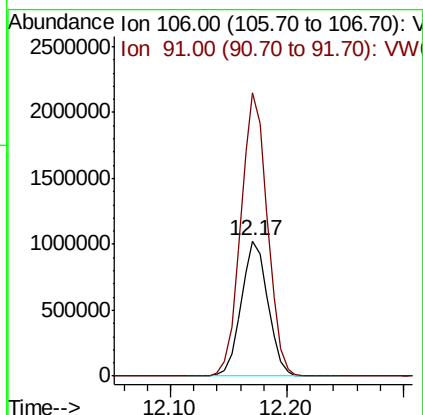
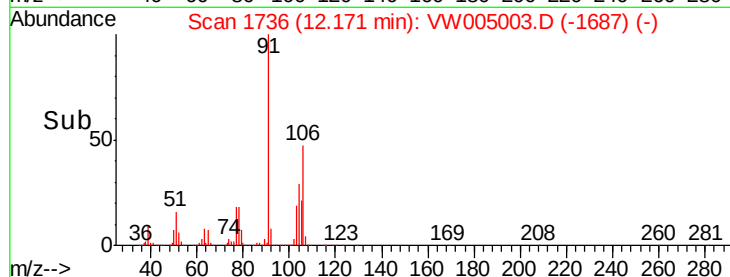
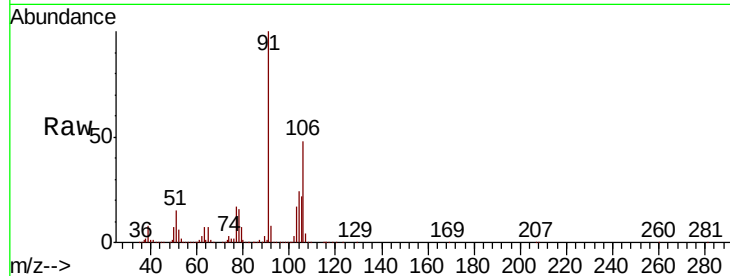




#69
o-Xylene
Concen: 157.554 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

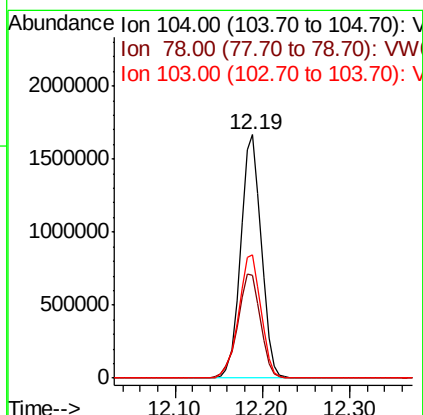
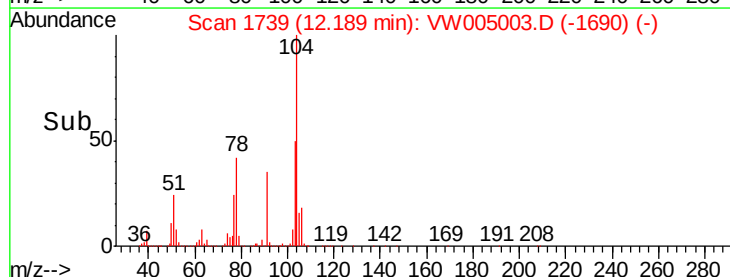
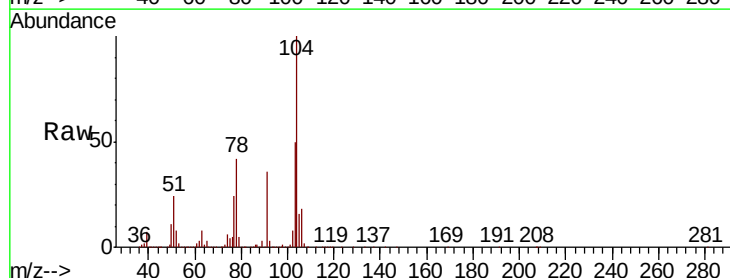
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

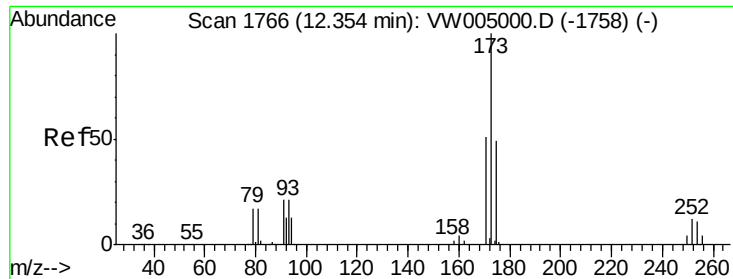
Tgt Ion:106 Resp: 1636725
Ion Ratio Lower Upper
106 100
91 209.5 104.4 313.1



#70
Styrene
Concen: 158.198 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion:104 Resp: 2726186
Ion Ratio Lower Upper
104 100
78 47.5 37.6 56.4
103 55.2 43.9 65.9





#71

Bromoform

Concen: 155.352 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

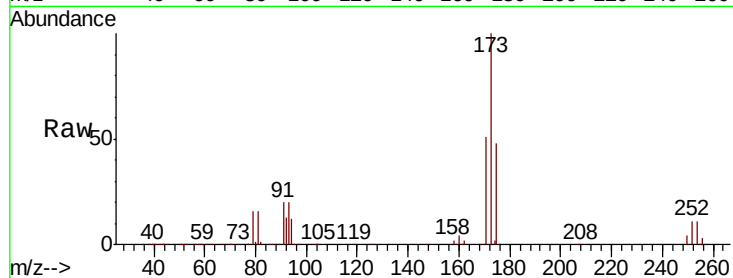
Tgt Ion:173 Resp: 386209

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

254 0.1 0.1 0.1

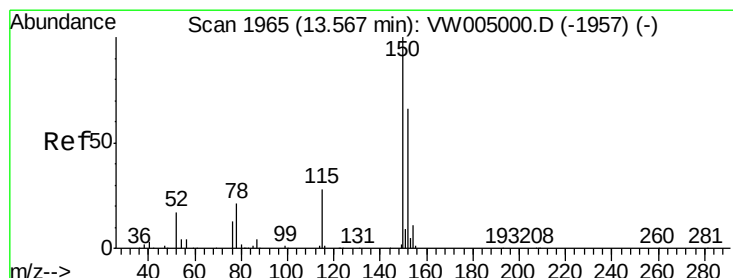
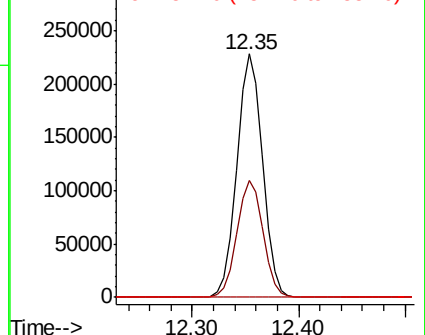
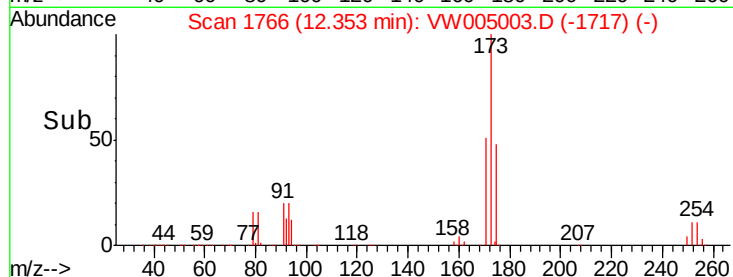


Abundance

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: VW005003.D

Acq: 29 Aug 2018 14:44

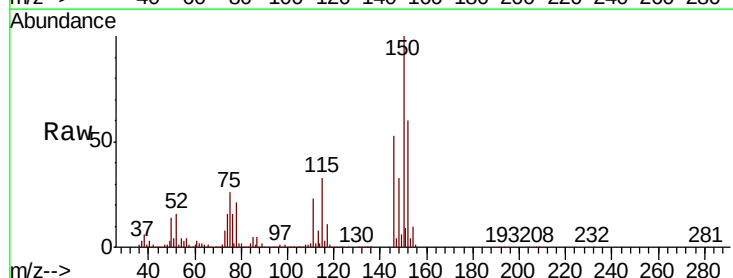
Tgt Ion:152 Resp: 412366

Ion Ratio Lower Upper

152 100

115 55.4 28.0 83.9

150 205.9 0.0 347.2

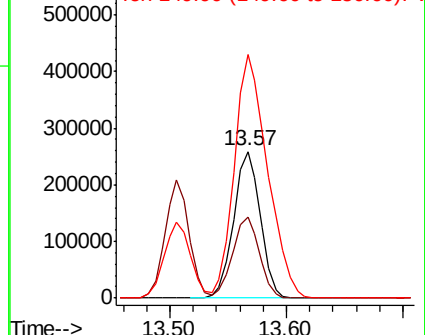
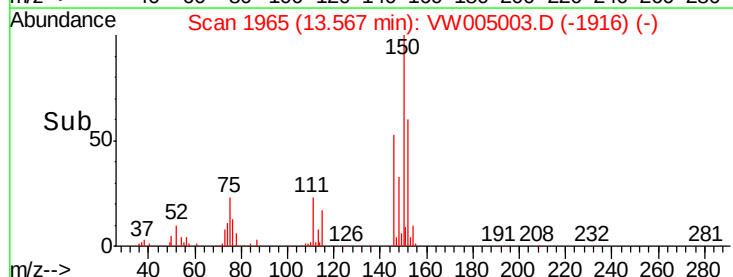


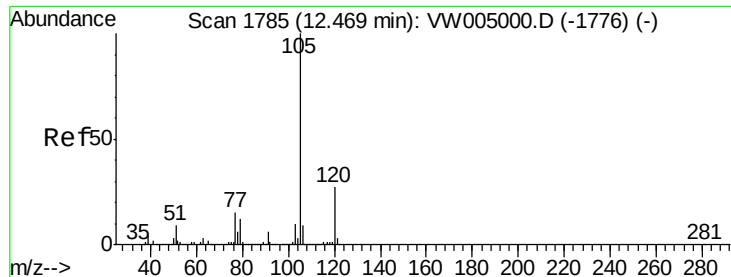
Abundance

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: 157.782 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

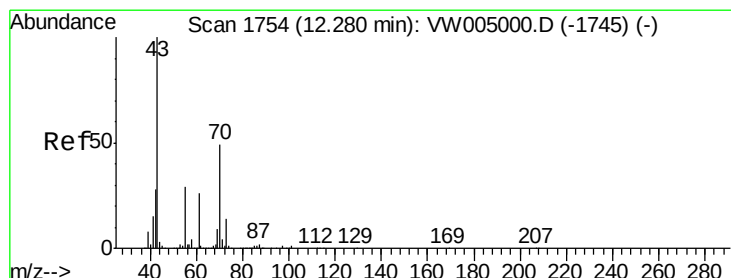
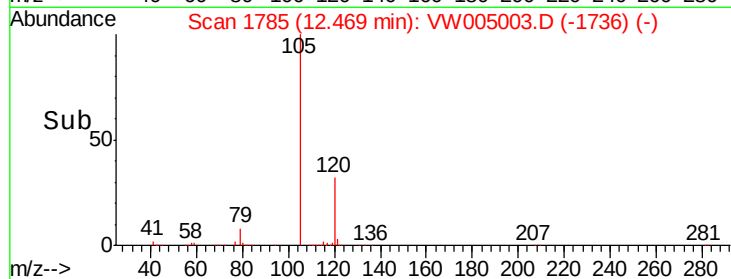
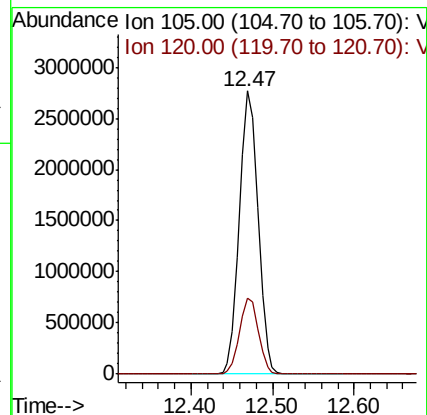
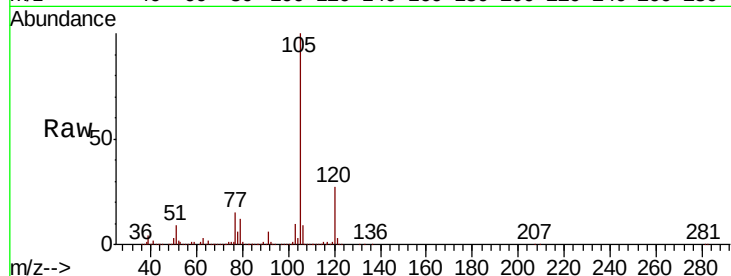
VSTDIC150

Tgt Ion:105 Resp: 4337308

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 166.933 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Tgt Ion: 43 Resp: 865966

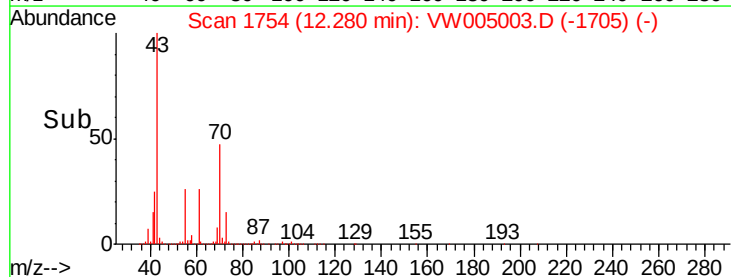
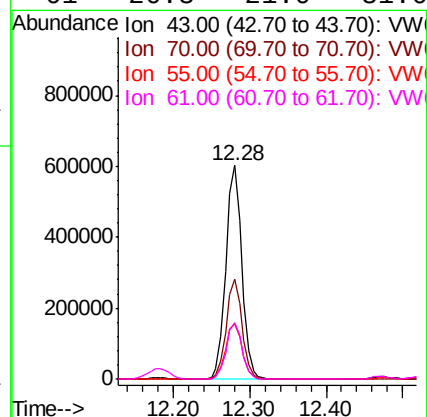
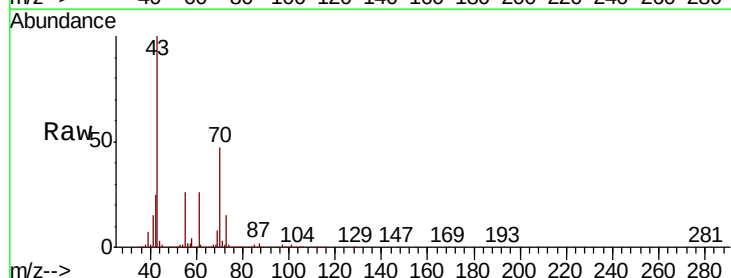
Ion Ratio Lower Upper

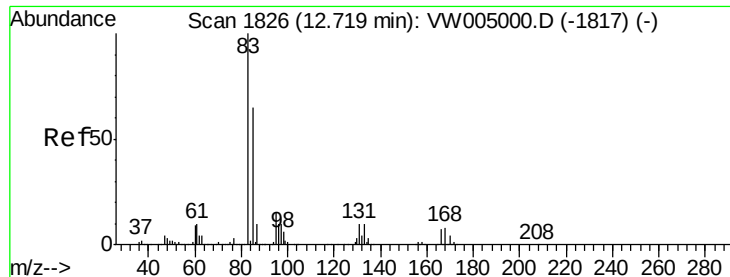
43 100

70 46.3 38.6 57.8

55 26.6 23.6 35.4

61 26.3 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 148.438 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

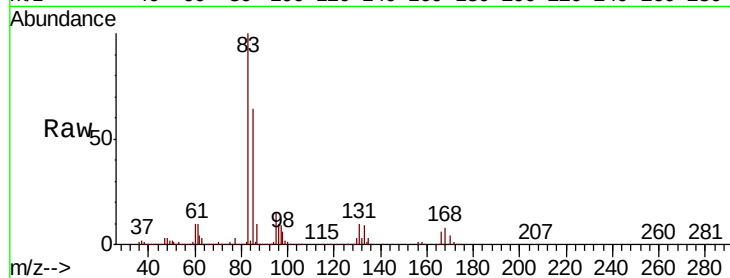
Tgt Ion: 83 Resp: 617814

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

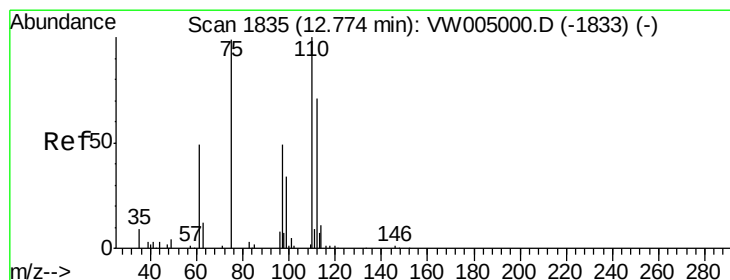
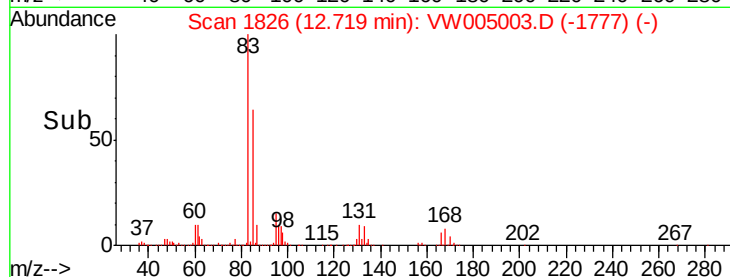
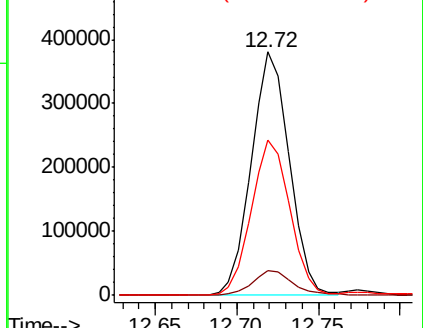
85 64.4 31.9 95.9



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: 166.220 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005003.D

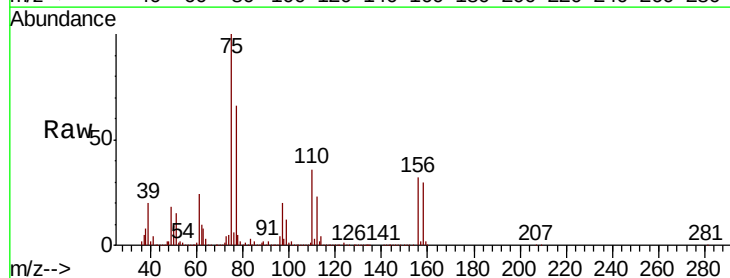
Acq: 29 Aug 2018 14:44

Tgt Ion: 75 Resp: 855609

Ion Ratio Lower Upper

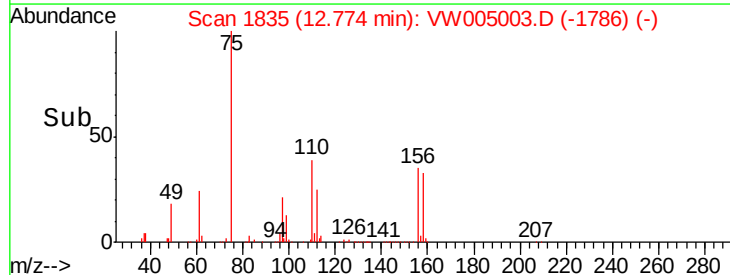
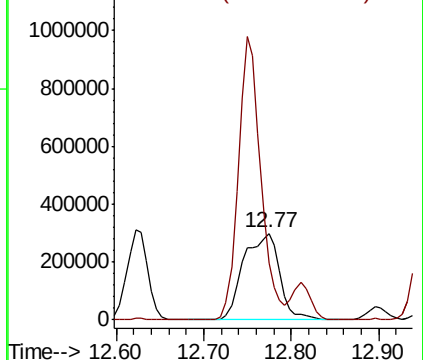
75 100

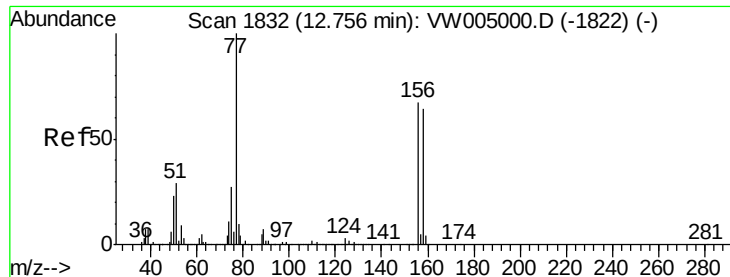
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 149.128 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

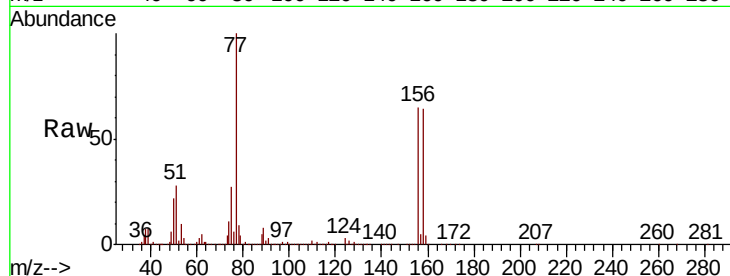
Tgt Ion:156 Resp: 1005811

Ion Ratio Lower Upper

156 100

77 174.6 86.9 260.6

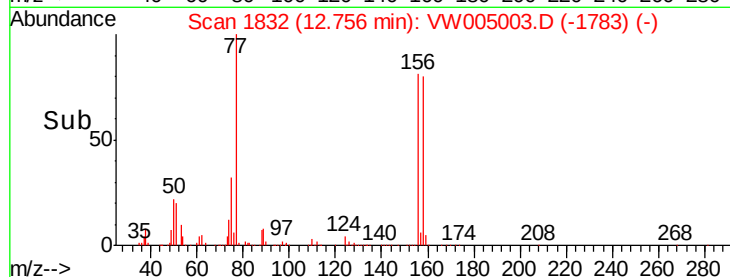
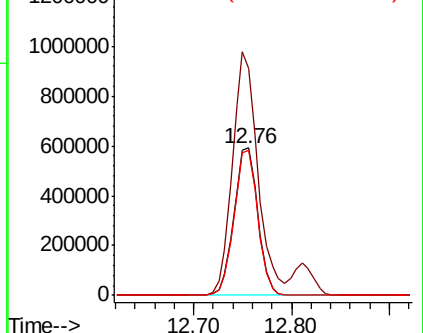
158 97.4 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.476 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005003.D

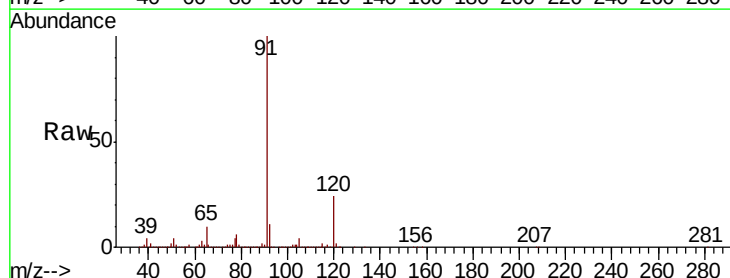
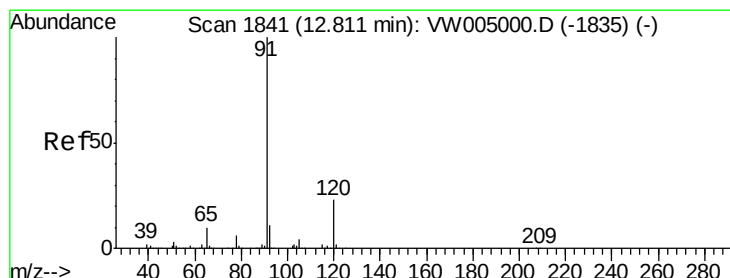
Acq: 29 Aug 2018 14:44

Tgt Ion: 91 Resp: 5237934

Ion Ratio Lower Upper

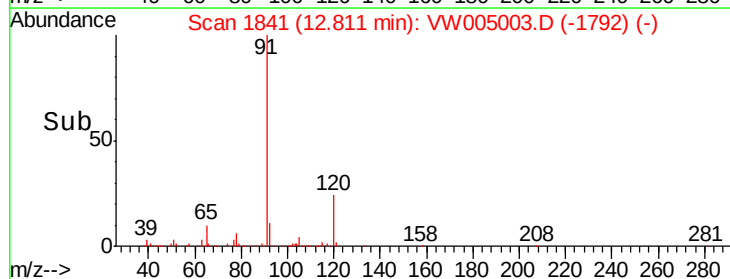
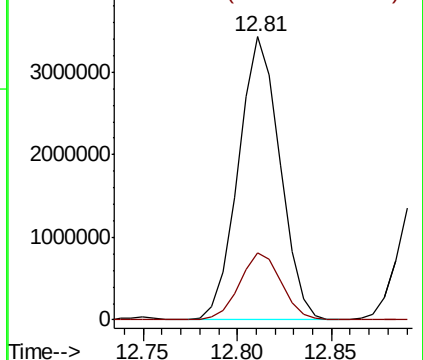
91 100

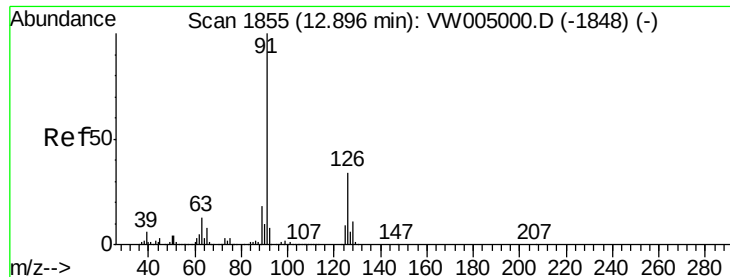
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.793 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

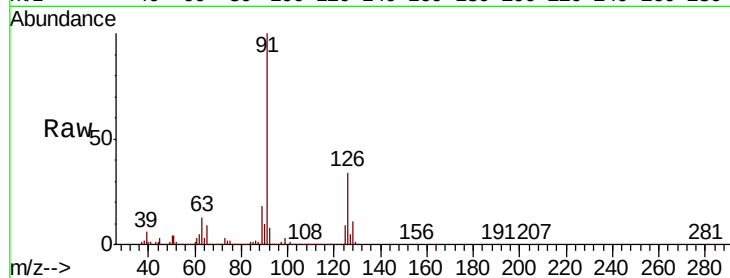
VSTDIC150

Tgt Ion: 91 Resp: 2972705

Ion Ratio Lower Upper

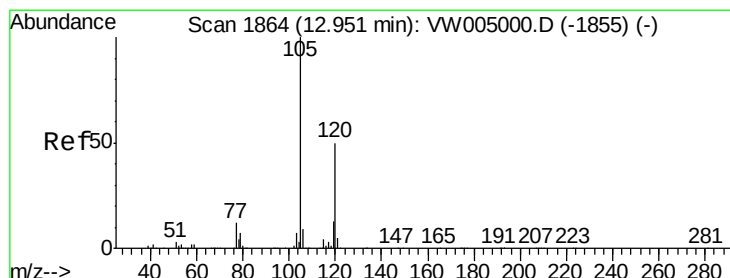
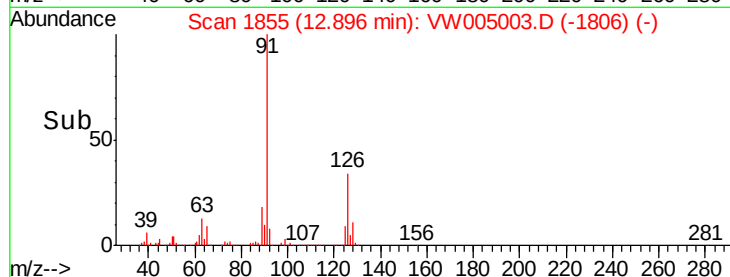
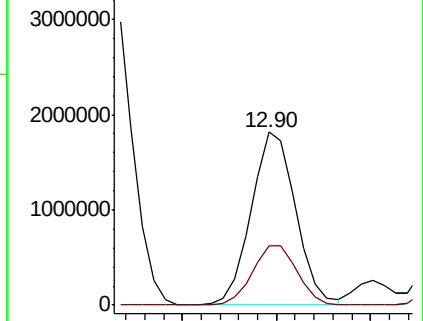
91 100

126 34.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 157.934 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005003.D

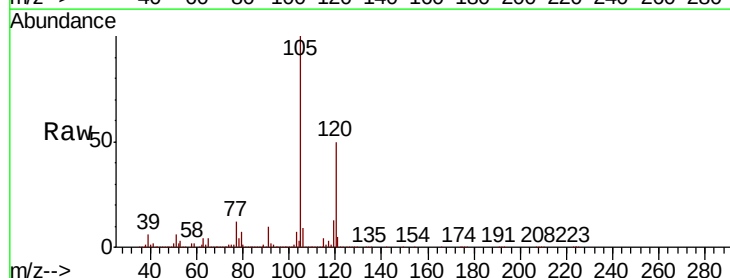
Acq: 29 Aug 2018 14:44

Tgt Ion: 105 Resp: 3835741

Ion Ratio Lower Upper

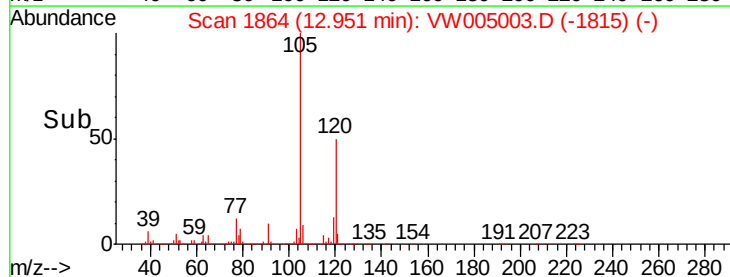
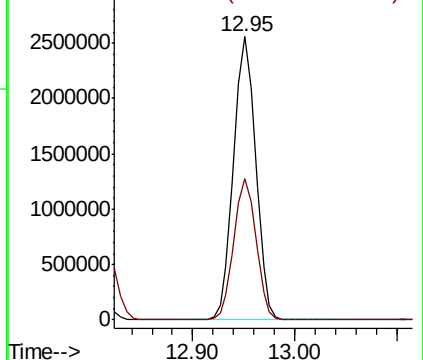
105 100

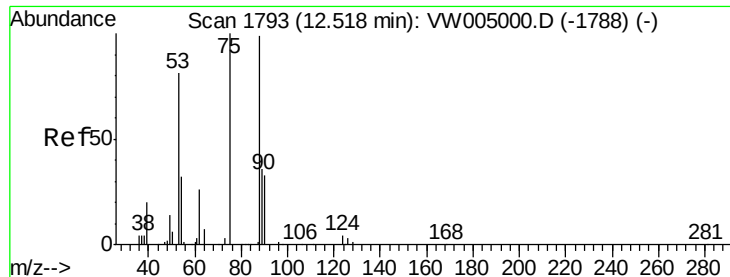
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 161.521 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

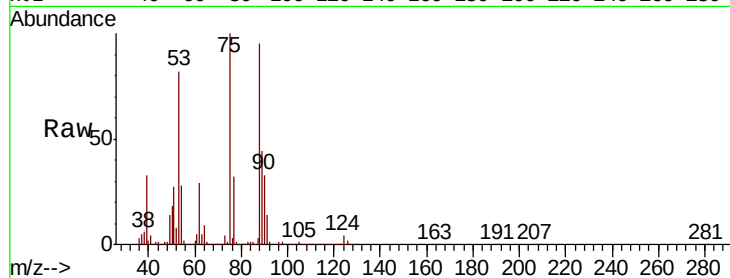
Tgt Ion: 75 Resp: 208731

Ion Ratio Lower Upper

75 100

53 84.5 67.4 101.2

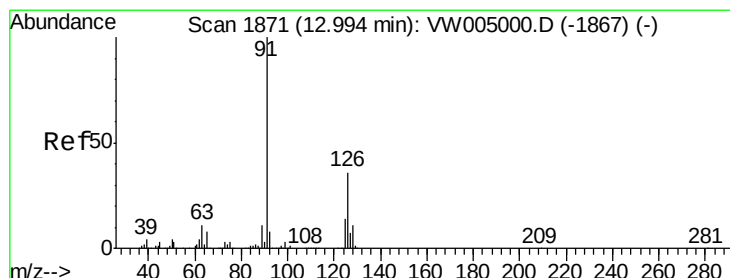
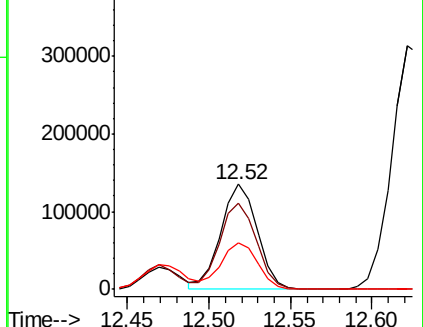
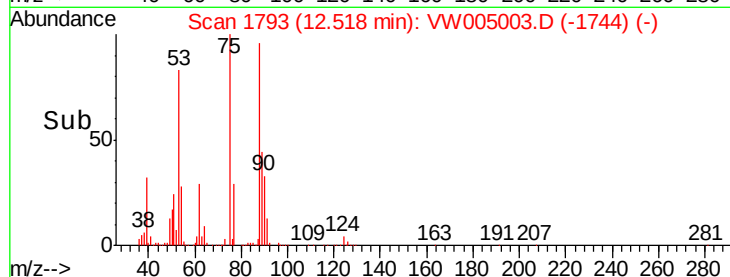
89 45.5 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 149.057 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW005003.D

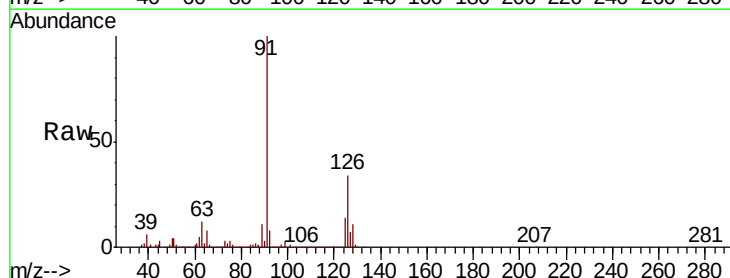
Acq: 29 Aug 2018 14:44

Tgt Ion: 91 Resp: 3110181

Ion Ratio Lower Upper

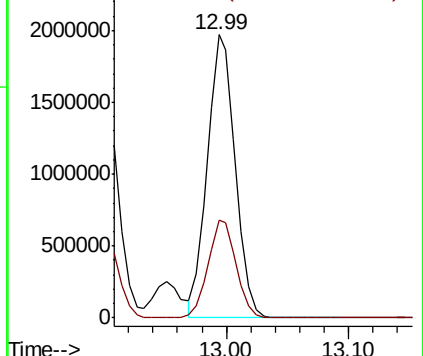
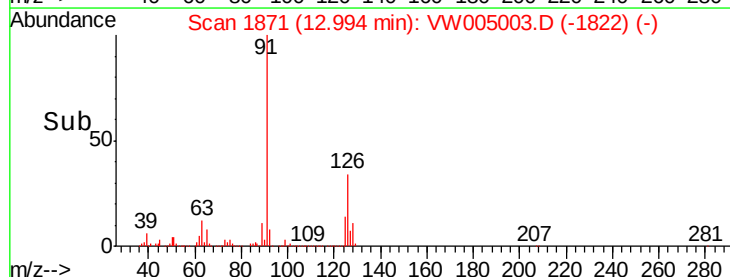
91 100

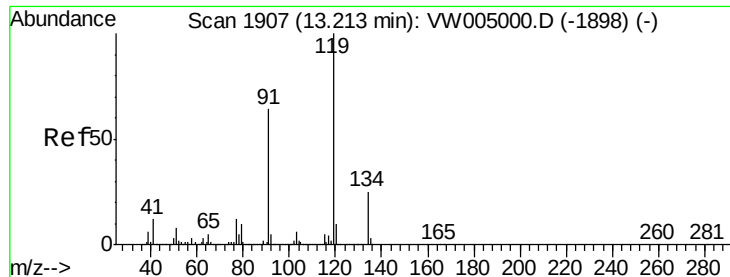
126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

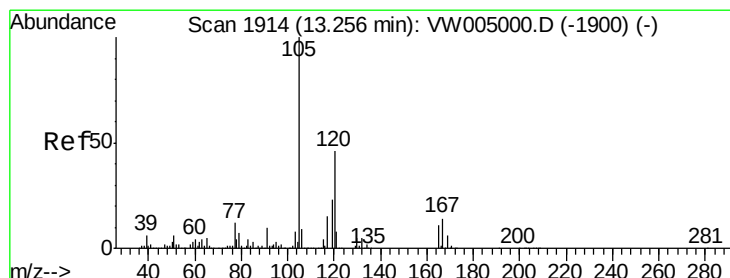
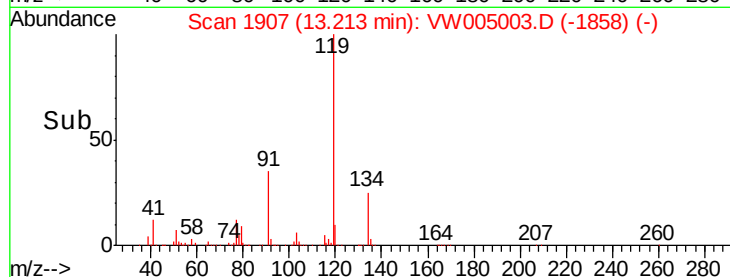
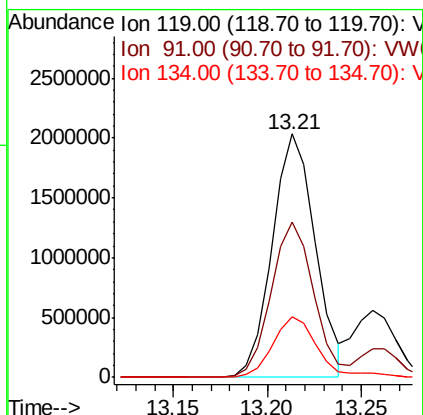
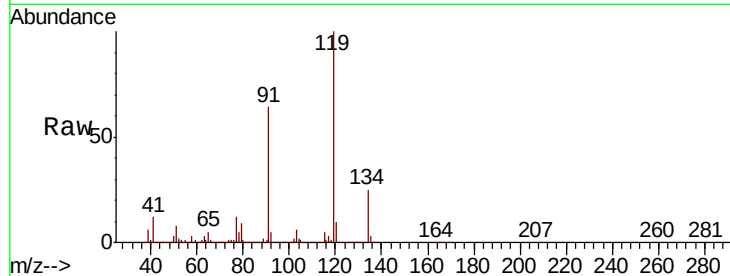




#83
 tert-Butylbenzene
 Concen: 157.779 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

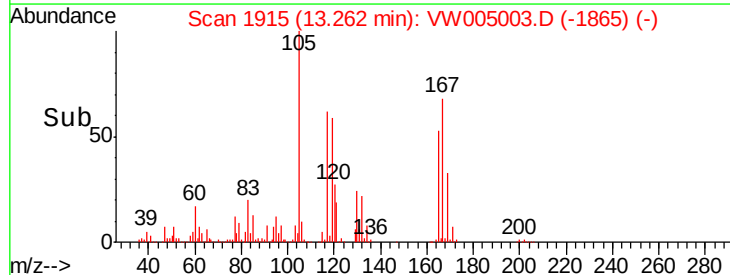
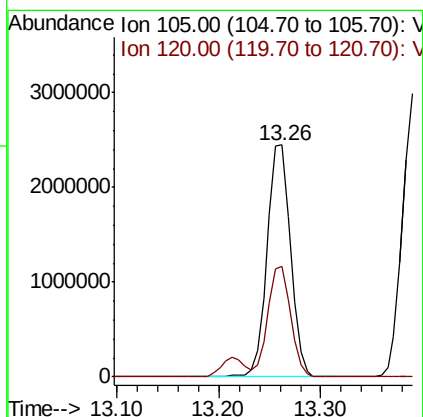
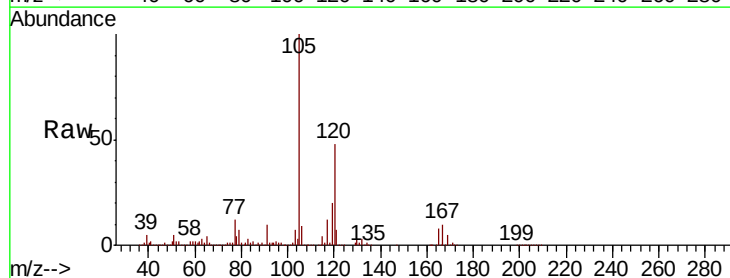
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

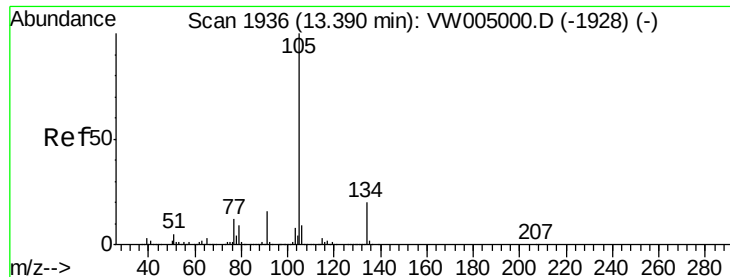
Tgt Ion:119 Resp: 3218504
 Ion Ratio Lower Upper
 119 100
 91 63.8 31.9 95.5
 134 26.0 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 158.407 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion:105 Resp: 3903594
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.7

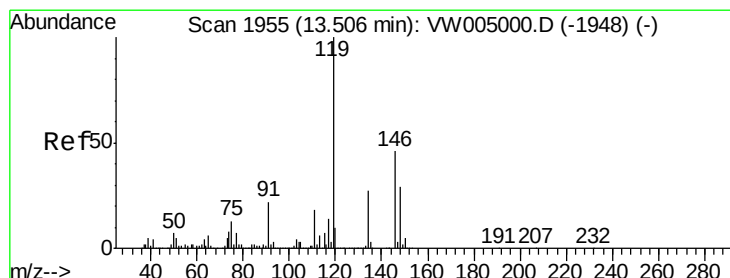
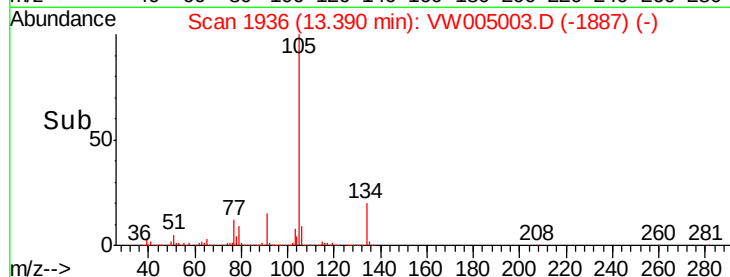
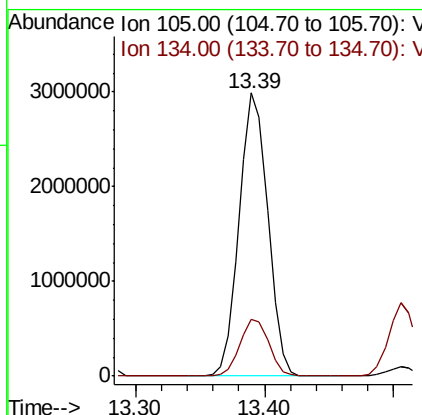
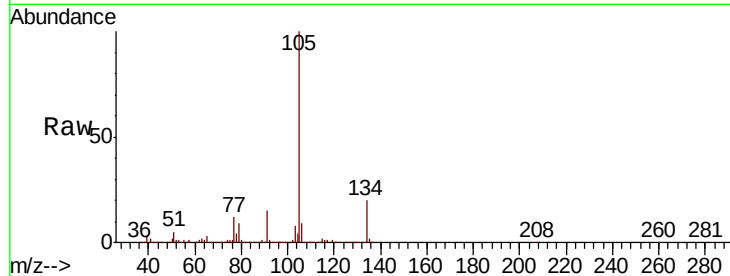




#85
 sec-Butylbenzene
 Concen: 153.877 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

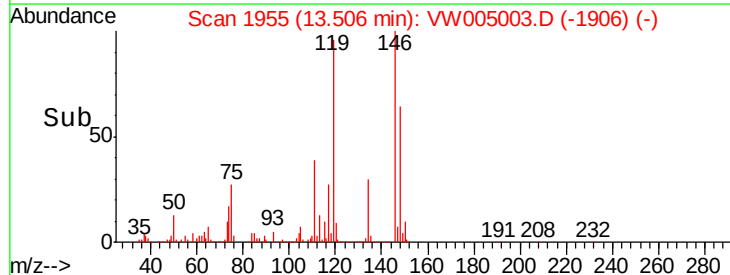
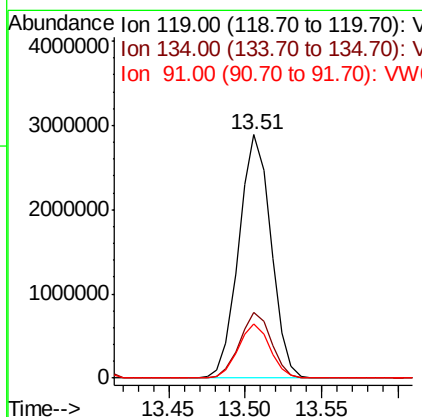
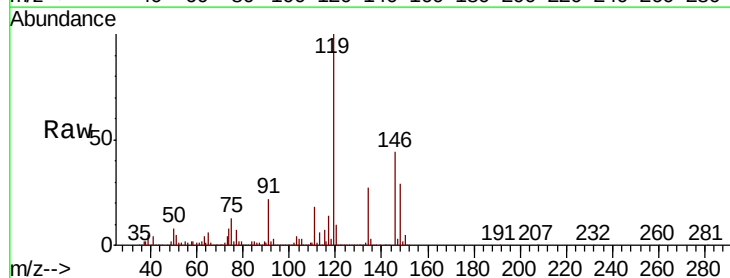
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

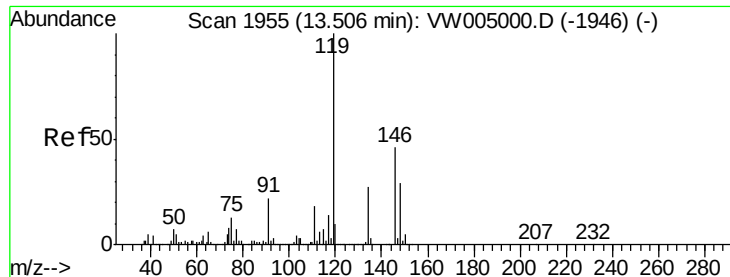
Tgt Ion:105 Resp: 4607700
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 157.600 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion:119 Resp: 4227930
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.3
 91 21.9 10.9 32.9

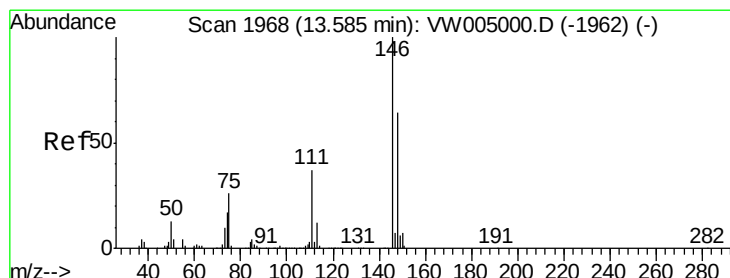
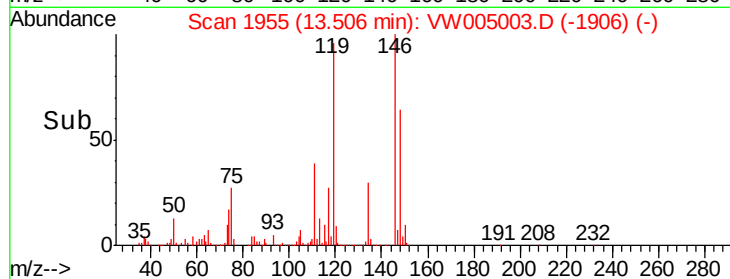
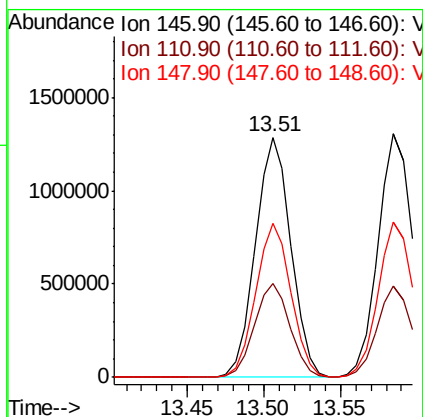
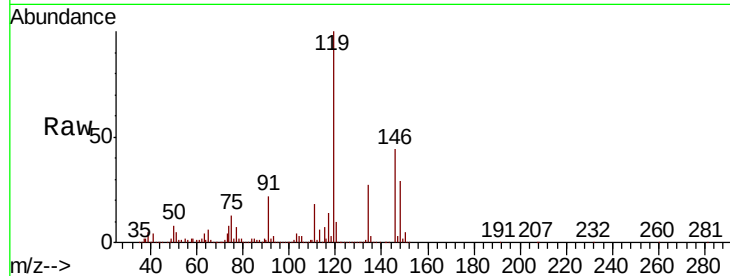




#87
 1,3-Dichlorobenzene
 Concen: 144.955 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

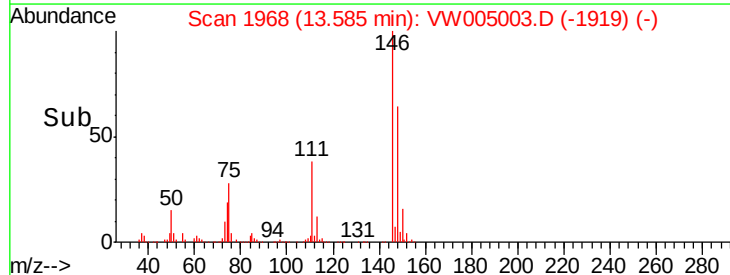
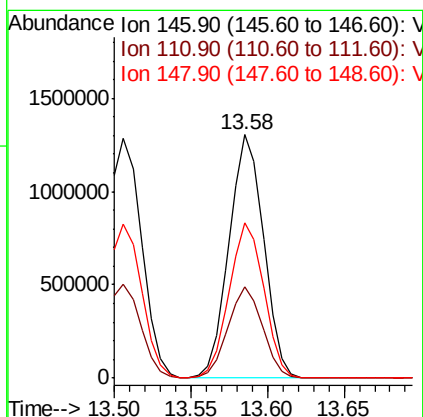
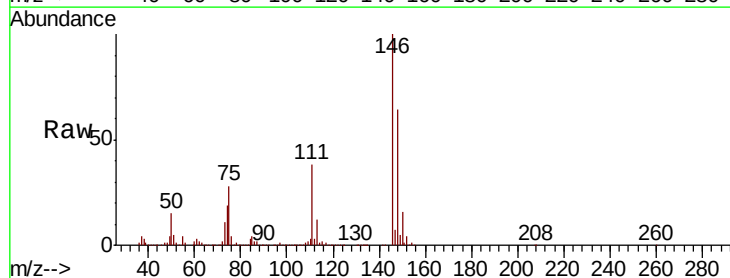
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

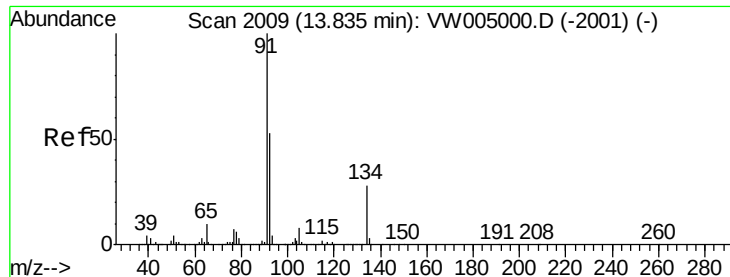
Tgt Ion:146 Resp: 2072583
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.8
 148 63.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 144.663 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion:146 Resp: 2048850
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 159.040 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW005003.D

Acq: 29 Aug 2018 14:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

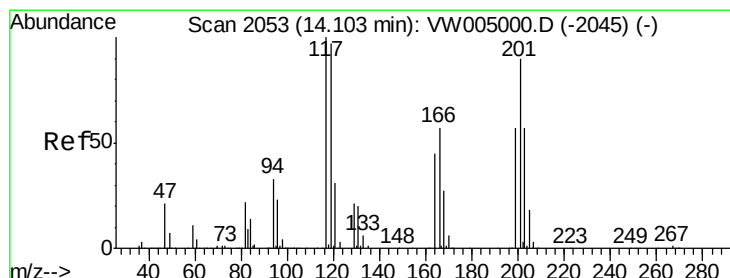
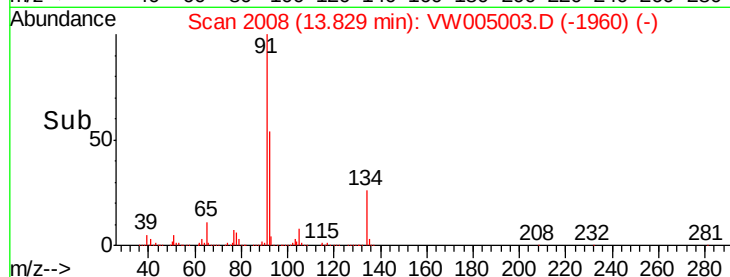
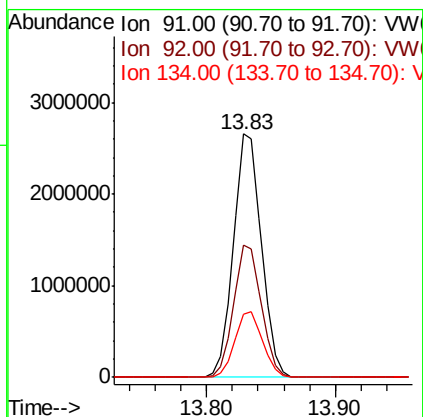
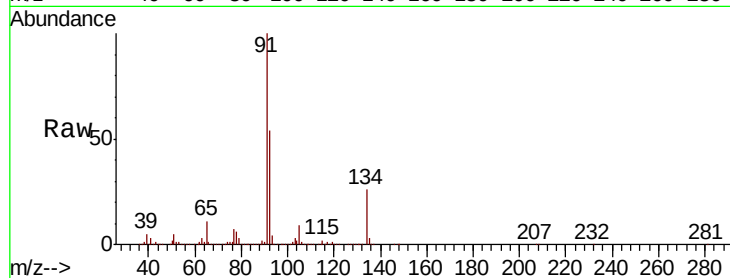
Tgt Ion: 91 Resp: 4005221

Ion Ratio Lower Upper

91 100

92 53.8 26.5 79.4

134 27.0 13.4 40.1



#90

Hexachloroethane

Concen: 152.108 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW005003.D

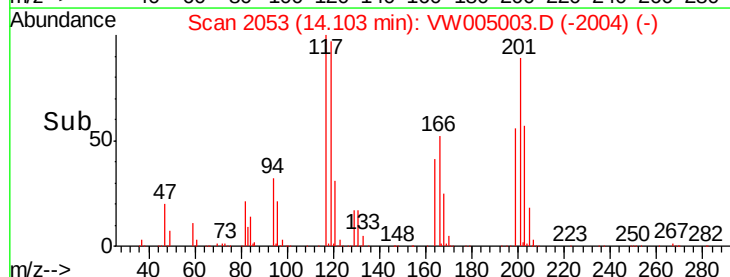
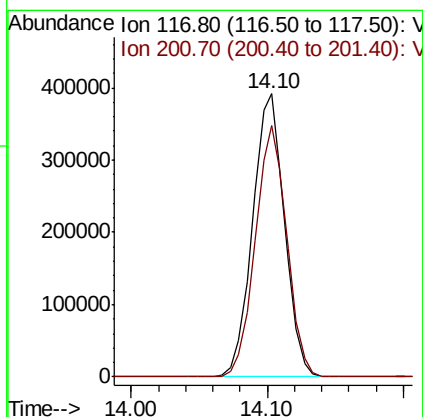
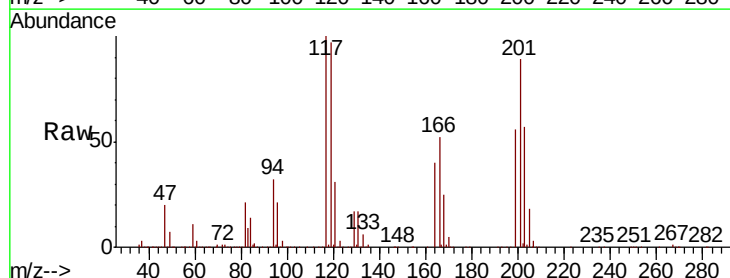
Acq: 29 Aug 2018 14:44

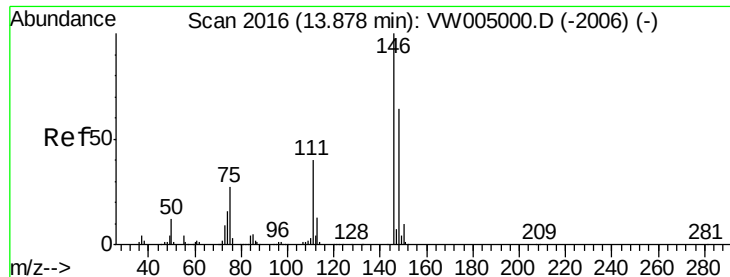
Tgt Ion: 117 Resp: 641435

Ion Ratio Lower Upper

117 100

201 87.8 44.3 132.8

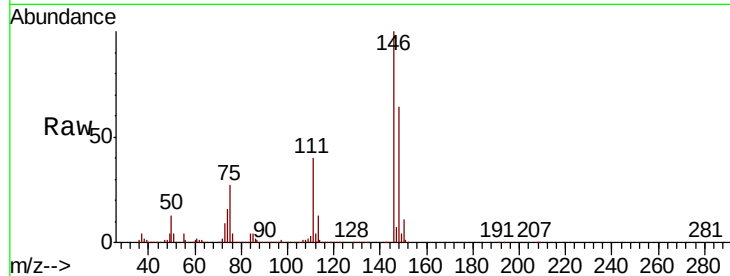




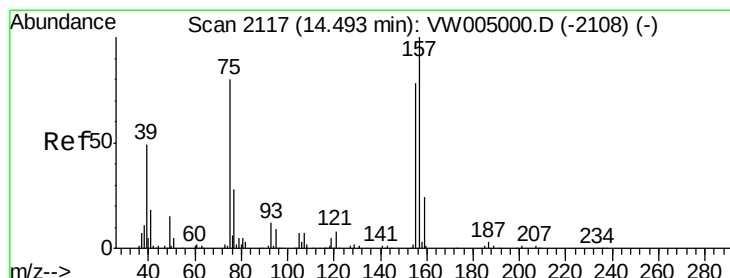
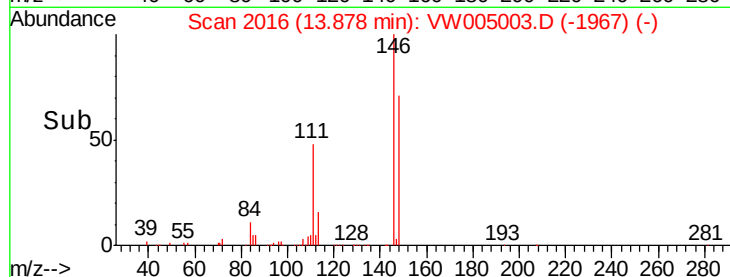
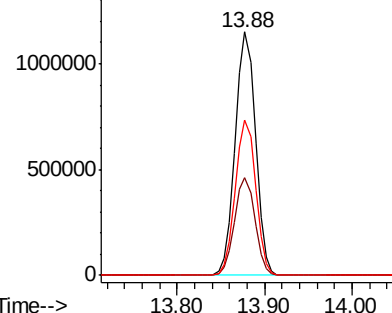
#91
 1,2-Dichlorobenzene
 Concen: 146.986 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1850004
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.9 59.7
 148 64.1 31.9 95.7

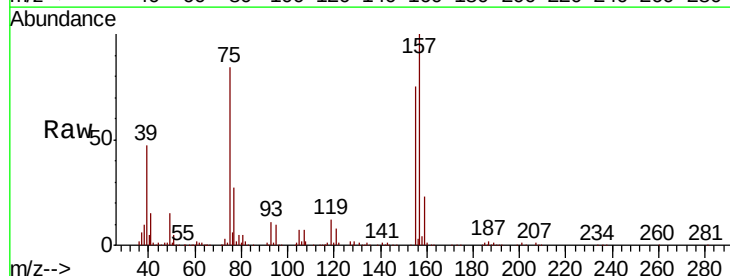


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

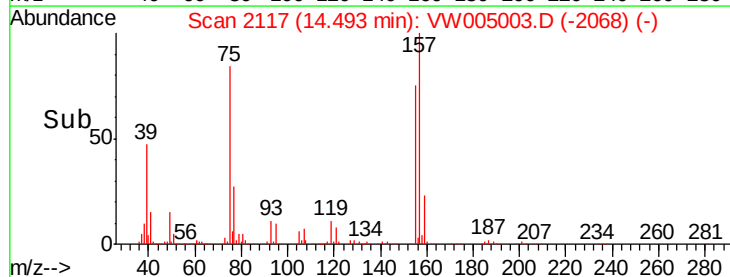
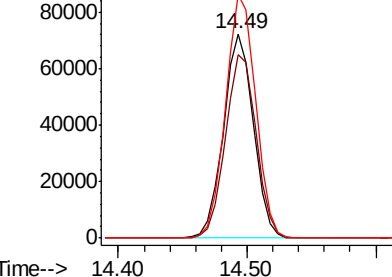


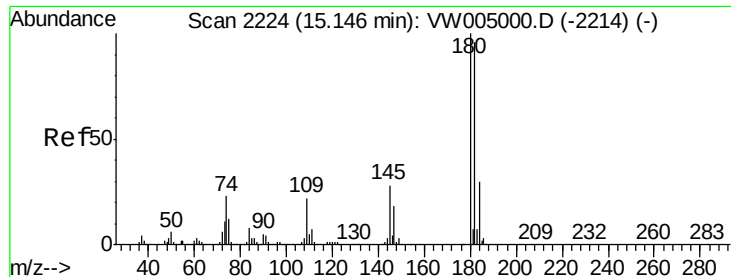
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 161.678 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion: 75 Resp: 116221
 Ion Ratio Lower Upper
 75 100
 155 91.6 46.1 138.2
 157 119.0 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

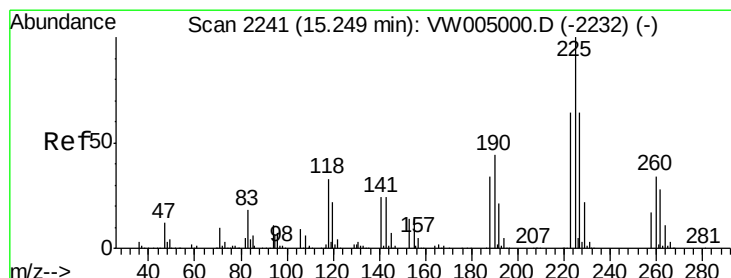
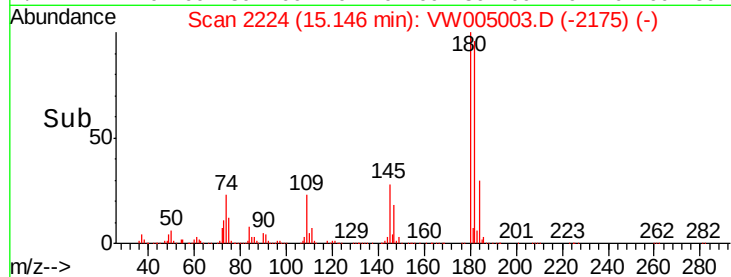
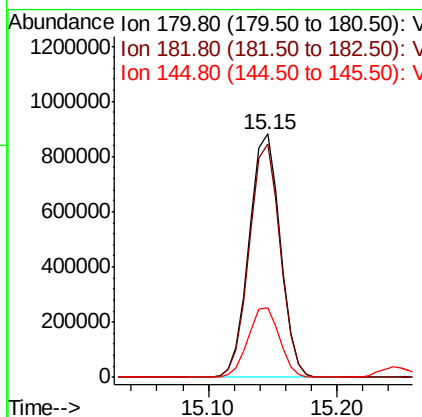
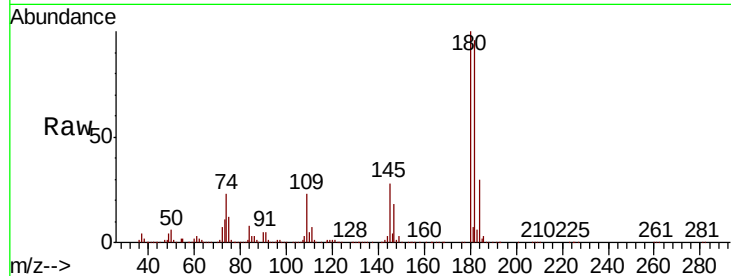




#93
 1,2,4-Trichlorobenzene
 Concen: 166.210 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

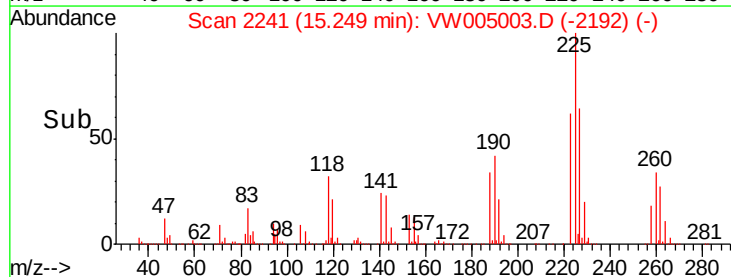
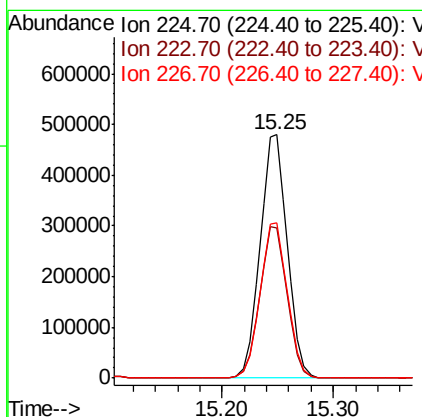
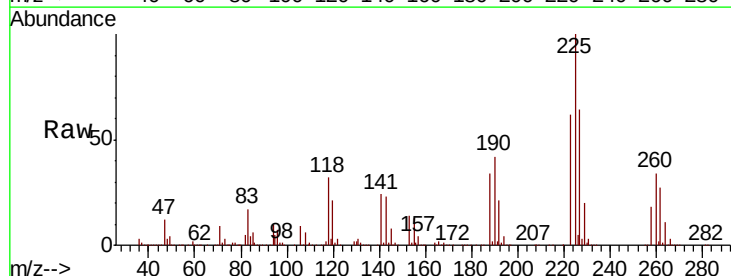
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

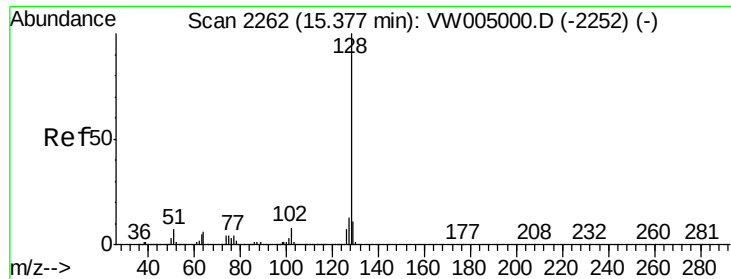
Tgt Ion:180 Resp: 1465587
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.6 142.8
 145 29.0 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 147.699 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW005003.D
 Acq: 29 Aug 2018 14:44

Tgt Ion:225 Resp: 815229
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.0
 227 64.0 31.9 95.7

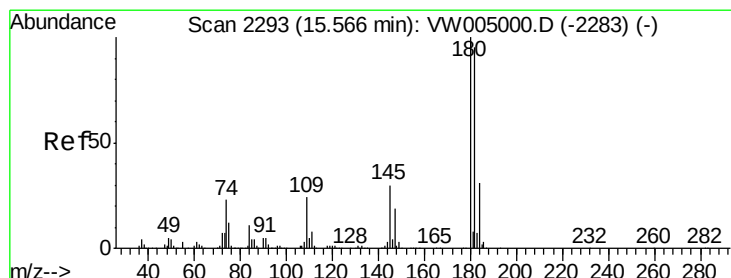
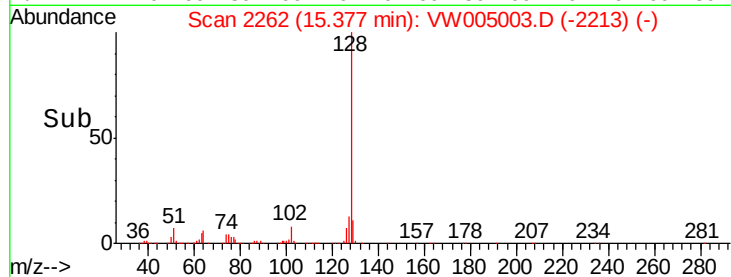
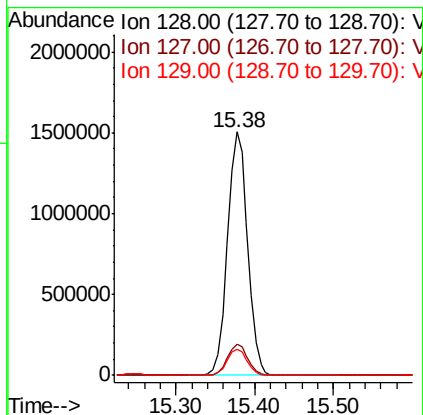
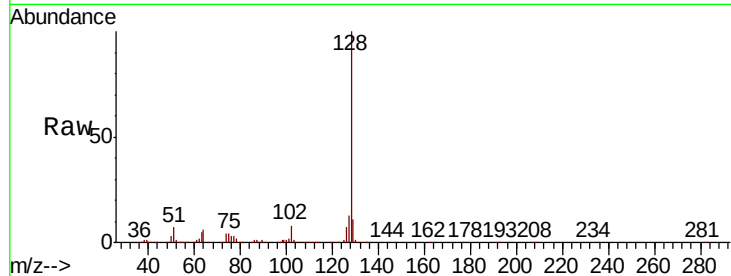




#95
Naphthalene
Concen: 182.818 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2644706
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 165.689 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005003.D
Acq: 29 Aug 2018 14:44

Tgt Ion:180 Resp: 1290663
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 30.9 15.1 45.3

