

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010423.D
 Acq On : 17 May 2019 20:08
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Quant Time: May 18 00:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	763378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1372186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1236605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	597345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	435473	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	7.88	113	433923	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.32	98	1620799	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	631698	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	256720	47.719	ug/l	99
3) Chloromethane	2.21	50	399749	51.267	ug/l	99
4) Vinyl Chloride	2.35	62	408557	44.672	ug/l	99
5) Bromomethane	2.76	94	266239	58.007	ug/l	99
6) Chloroethane	2.91	64	264189	46.343	ug/l	96
7) Trichlorofluoromethane	3.25	101	575170	45.347	ug/l	99
8) Diethyl Ether	3.68	74	213218	47.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	369830	45.812	ug/l	99
10) Methyl Iodide	4.26	142	445610	49.359	ug/l	99
11) Tert butyl alcohol	5.18	59	182223	239.951	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	351458	46.166	ug/l	100
13) Acrolein	3.90	56	114142	233.905	ug/l	100
14) Allyl chloride	4.67	41	552124	46.753	ug/l	99
15) Acrylonitrile	5.37	53	463545	240.312	ug/l	98
16) Acetone	4.14	43	338904	229.804	ug/l	98
17) Carbon Disulfide	4.37	76	993514	45.702	ug/l	100
18) Methyl Acetate	4.67	43	210082	45.584	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	1055783	48.350	ug/l	100
20) Methylene Chloride	4.92	84	398547	51.634	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	413067	46.521	ug/l	100
22) Diisopropyl ether	6.31	45	1204859	47.805	ug/l	98
23) Vinyl Acetate	6.26	43	3802372	241.843	ug/l	100
24) 1,1-Dichloroethane	6.21	63	693716	47.542	ug/l	99
25) 2-Butanone	7.17	43	607879	241.804	ug/l	97
26) 2,2-Dichloropropane	7.17	77	584311	44.374	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	481341	48.339	ug/l	99
28) Bromochloromethane	7.51	49	289367	52.783	ug/l	97
29) Tetrahydrofuran	7.53	42	407934	239.787	ug/l	99
30) Chloroform	7.68	83	742537	48.384	ug/l	99
31) Cyclohexane	7.95	56	622966	48.236	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	676109	46.721	ug/l	100
36) 1,1-Dichloropropene	8.08	75	552920	45.516	ug/l	99
37) Ethyl Acetate	7.26	43	283628	48.662	ug/l	97
38) Carbon Tetrachloride	8.07	117	596112	45.470	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	724661	44.670	ug/l	97
40) Benzene	8.32	78	1615173	46.588	ug/l	100
41) Methacrylonitrile	7.48	41	155205	44.468	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	487935	47.235	ug/l	100
43) Isopropyl Acetate	8.43	43	569765	48.002	ug/l	99
44) Trichloroethene	9.09	130	470593	47.377	ug/l	97
45) 1,2-Dichloropropane	9.37	63	402079	47.377	ug/l	98
46) Dibromomethane	9.46	93	238506	47.574	ug/l	98
47) Bromodichloromethane	9.65	83	594785	47.743	ug/l	96
48) Methyl methacrylate	9.44	41	256531	46.903	ug/l	99
49) 1,4-Dioxane	9.46	88	68564	924.094	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1444200	237.867	ug/l	100
52) Toluene	10.39	92	1066203	46.304	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	606663	47.217	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	677561	46.516	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	345435	47.756	ug/l	98
56) Ethyl methacrylate	10.65	69	492339	48.779	ug/l	99
57) 1,3-Dichloropropane	10.93	76	583553	48.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1189405	245.250	ug/l	100
59) 2-Hexanone	10.97	43	1006163	237.988	ug/l	100
60) Dibromochloromethane	11.13	129	437536	48.745	ug/l	99
61) 1,2-Dibromoethane	11.23	107	344897	47.047	ug/l	98
64) Tetrachloroethene	10.86	164	395547	48.630	ug/l	95
65) Chlorobenzene	11.66	112	1175372	46.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	442667	47.737	ug/l	99
67) Ethyl Benzene	11.73	91	2025597	45.793	ug/l	99
68) m/p-Xylenes	11.84	106	1602925	92.587	ug/l	100
69) o-Xylene	12.16	106	766053	46.418	ug/l	99
70) Styrene	12.18	104	1346155	47.373	ug/l	99
71) Bromoform	12.35	173	255561	48.913	ug/l #	99
73) Isopropylbenzene	12.46	105	2058787	44.572	ug/l	99
74) N-amyl acetate	12.27	43	541942	45.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	417714	45.662	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	528670	82.650	ug/l #	100
77) Bromobenzene	12.75	156	484372	46.421	ug/l	99
78) n-propylbenzene	12.80	91	2383473	44.485	ug/l	99
79) 2-Chlorotoluene	12.89	91	1416844	45.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1780645	45.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142529	43.970	ug/l	99
82) 4-Chlorotoluene	12.99	91	1481457	45.337	ug/l	100
83) tert-Butylbenzene	13.21	119	1503703	45.225	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1757909	45.448	ug/l	99
85) sec-Butylbenzene	13.38	105	2116018	45.195	ug/l	100
86) p-Isopropyltoluene	13.50	119	1939171	45.847	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	942004	46.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	941964	47.091	ug/l	99
89) n-Butylbenzene	13.83	91	1823527	45.186	ug/l	100
90) Hexachloroethane	14.10	117	388907	45.709	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	865718	47.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77512	45.533	ug/l	98

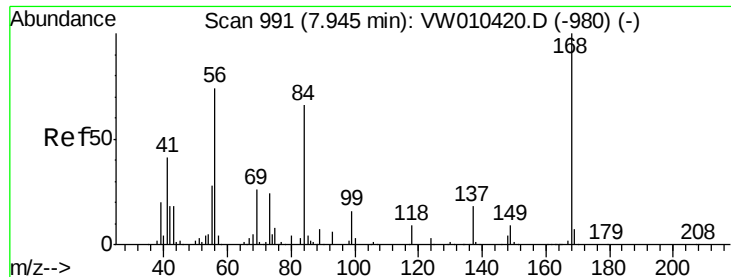
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	580125	48.706	ug/l	100
94) Hexachlorobutadiene	15.24	225	297789	46.832	ug/l	98
95) Naphthalene	15.37	128	1309932	48.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	507306	48.308	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

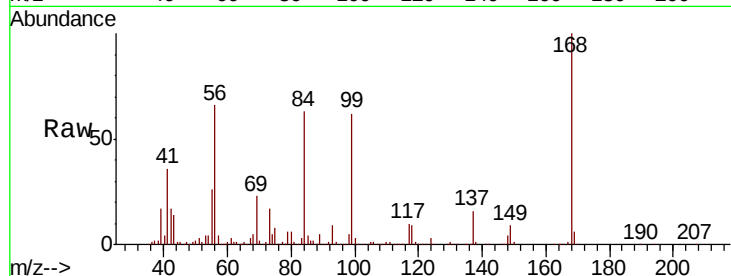
ICVW051719

Tgt Ion:168 Resp: 763378

Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

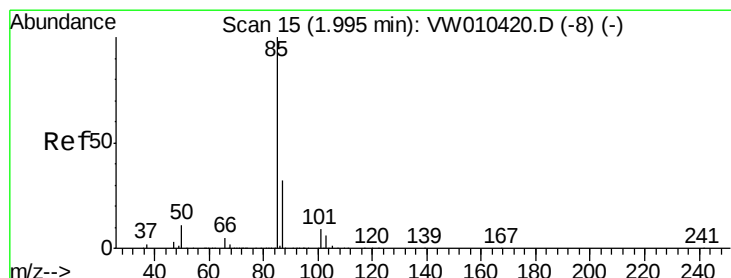
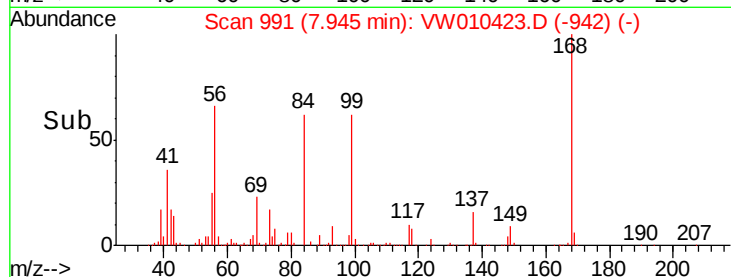
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100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.719 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010423.D

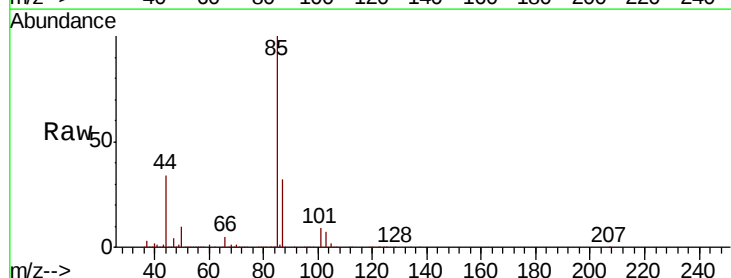
Acq: 17 May 2019 20:08

Tgt Ion: 85 Resp: 256720

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

150000

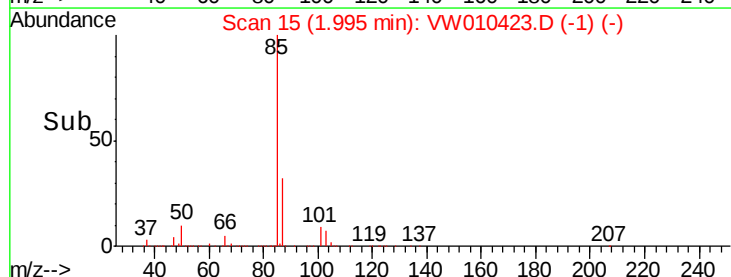
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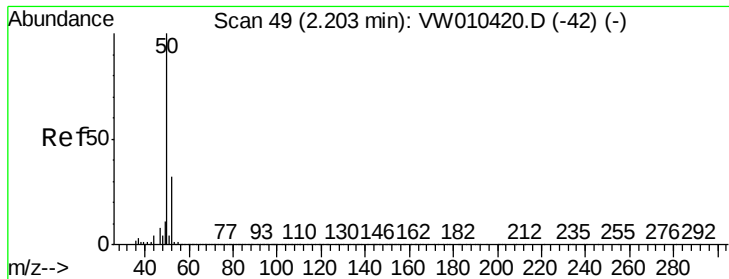
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1.90 2.00 2.10

Time-->

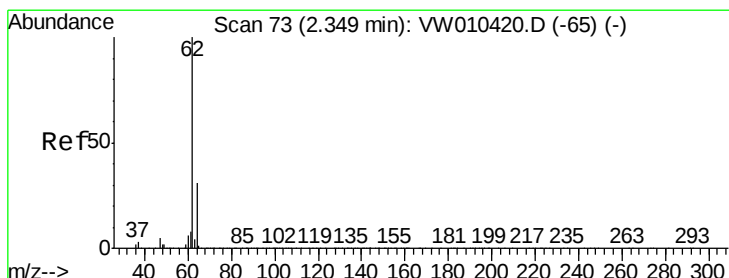
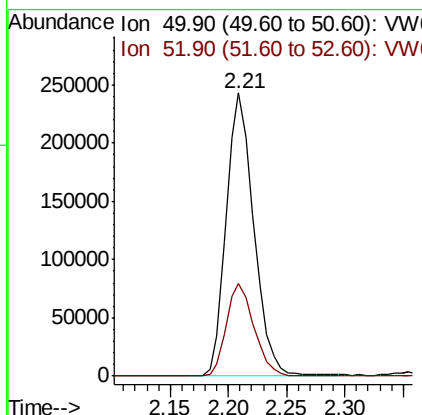
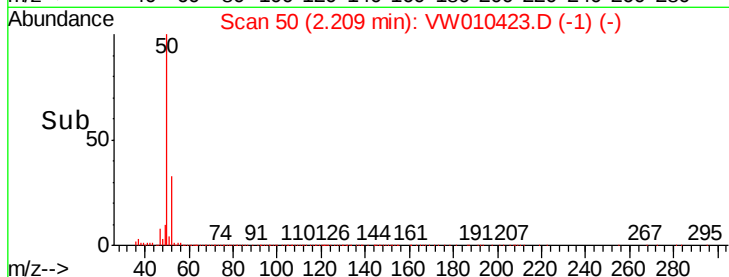
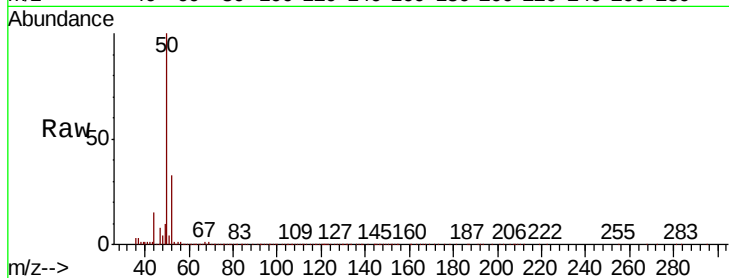




#3
Chloromethane
Concen: 51.267 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

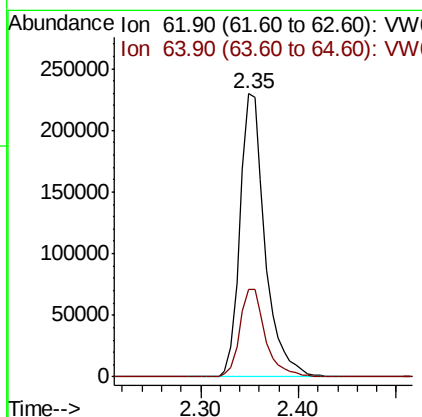
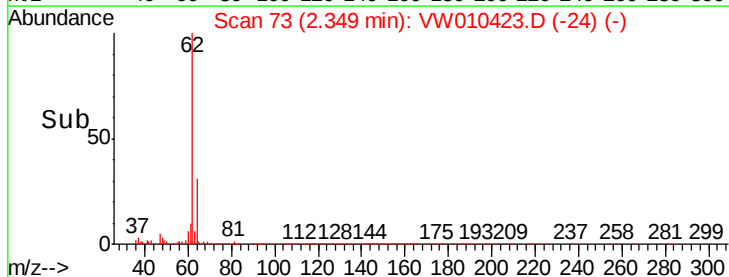
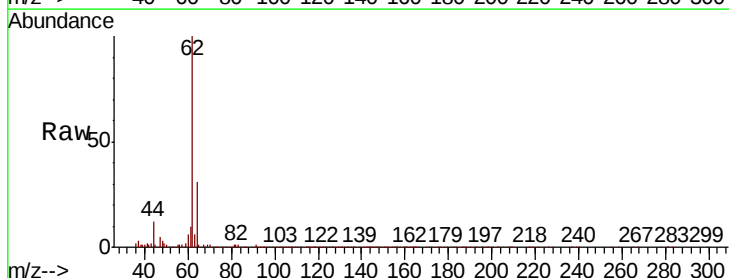
Instrument :
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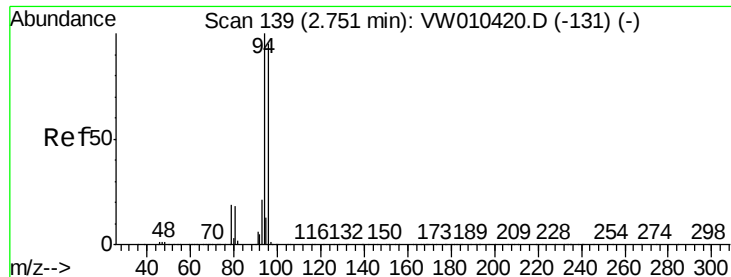
Tgt Ion: 50 Resp: 399749
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0



#4
Vinyl Chloride
Concen: 44.672 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 62 Resp: 408557
Ion Ratio Lower Upper
62 100
64 31.0 24.4 36.6





#5

Bromomethane

Concen: 58.007 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

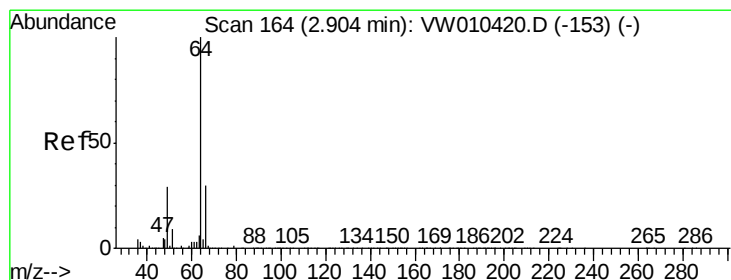
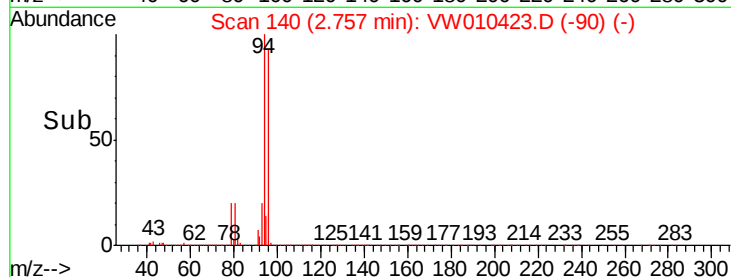
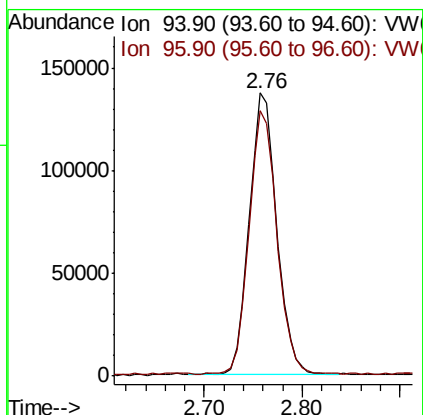
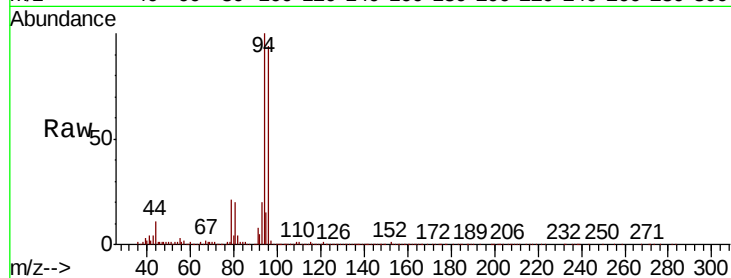
ICVW051719

Tgt Ion: 94 Resp: 266239

Ion Ratio Lower Upper

94 100

96 93.4 75.8 113.6



#6

Chloroethane

Concen: 46.343 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.01 min

Lab File: VW010423.D

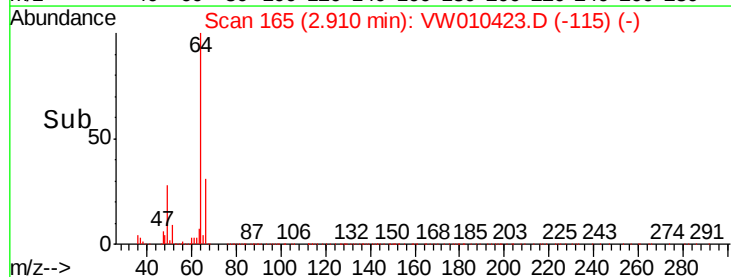
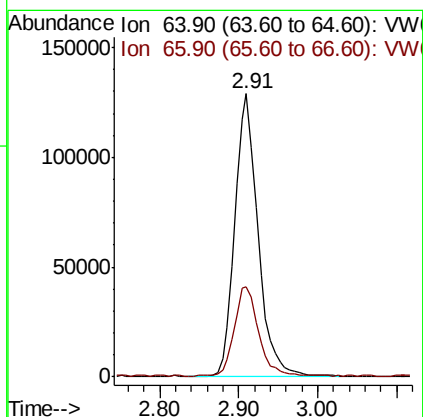
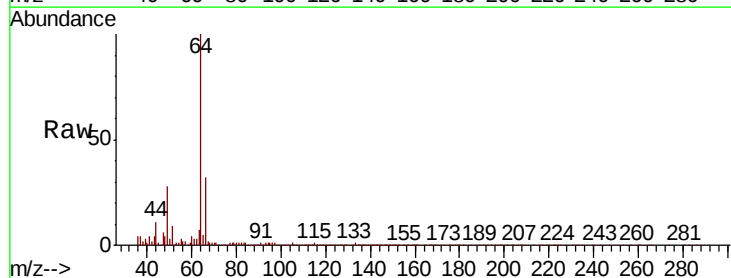
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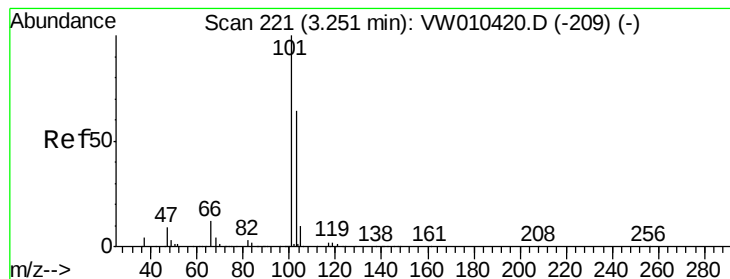
Tgt Ion: 64 Resp: 264189

Ion Ratio Lower Upper

64 100

66 31.4 23.6 35.4



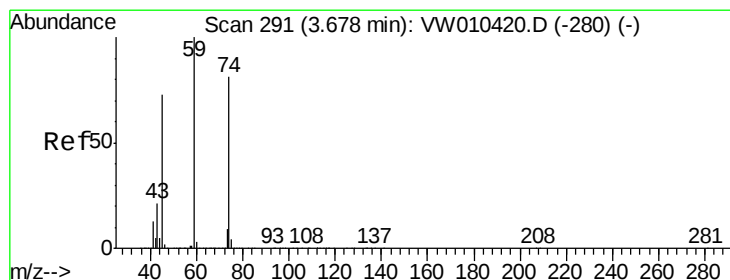
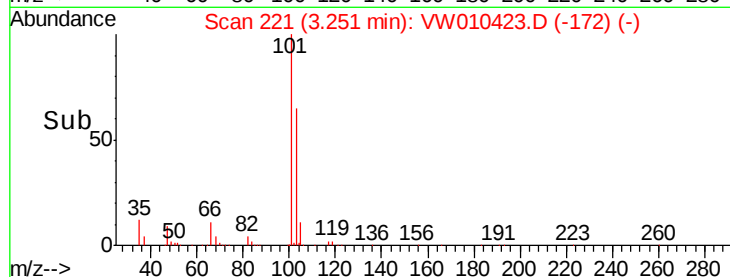
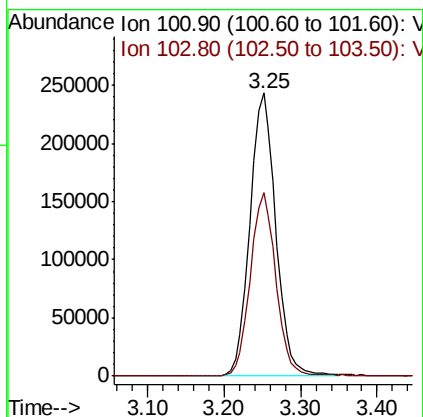
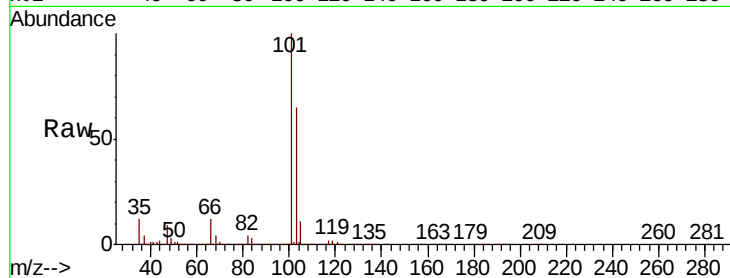


#7

Trichlorofluoromethane
Concen: 45.347 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
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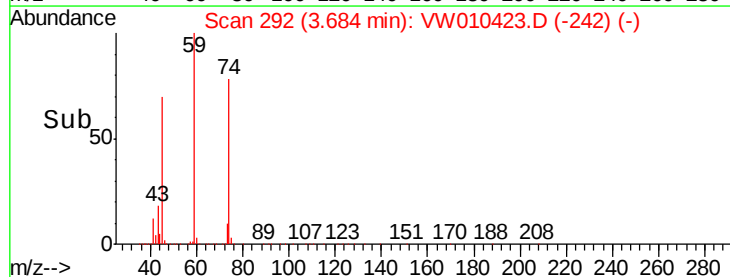
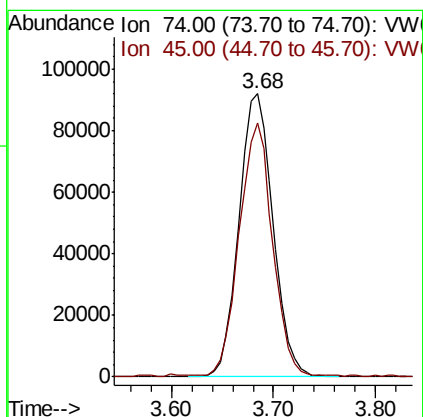
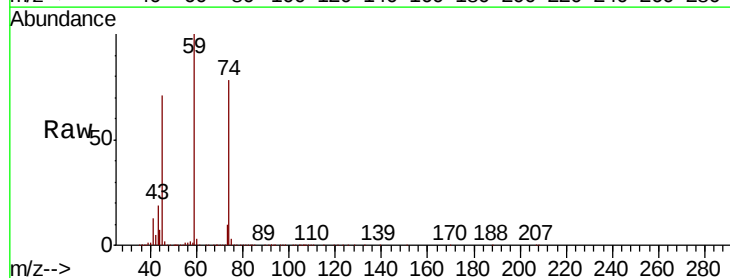
Tgt Ion: 101 Resp: 575170
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.0

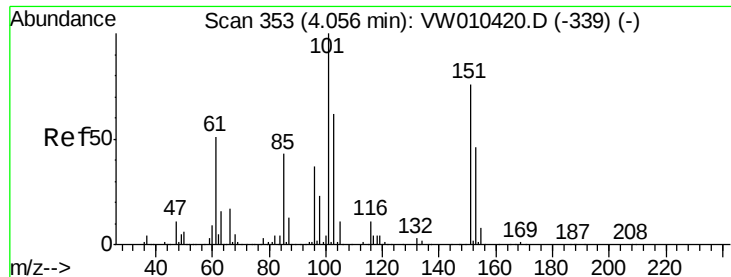


#8

Diethyl Ether
Concen: 47.261 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 74 Resp: 213218
Ion Ratio Lower Upper
74 100
45 88.2 43.4 130.2

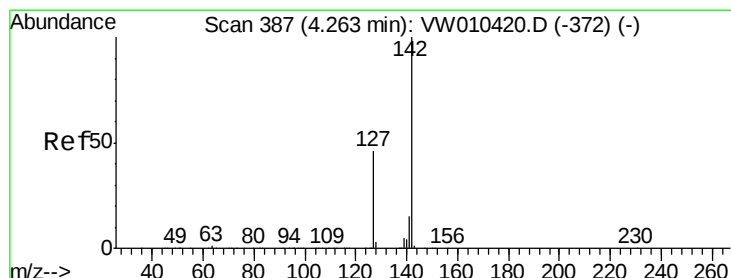
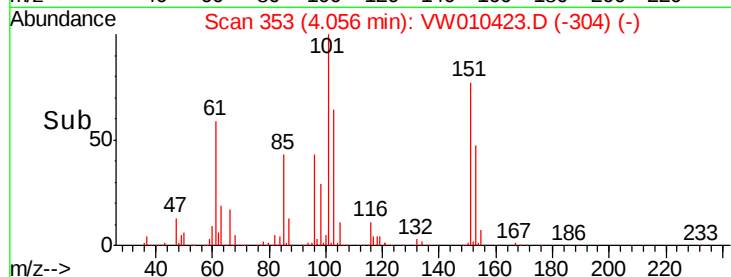
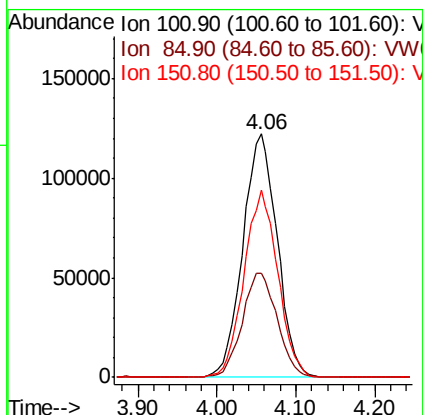
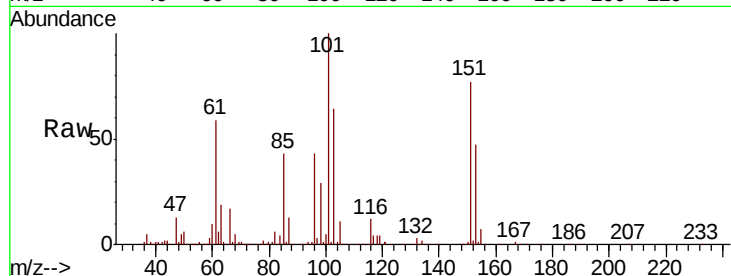




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.812 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

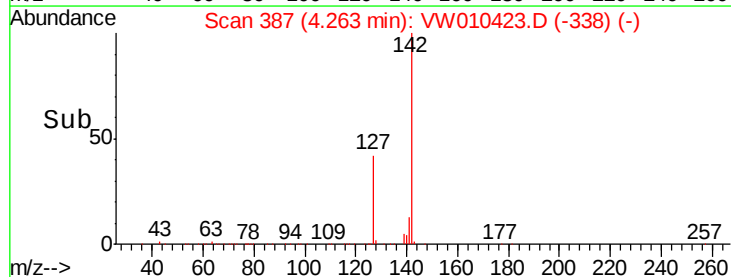
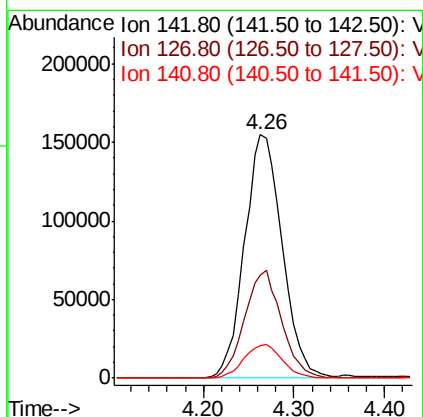
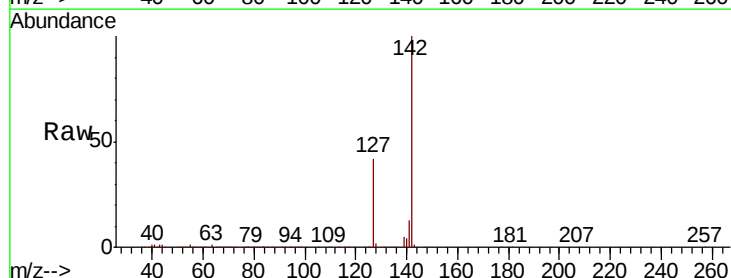
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

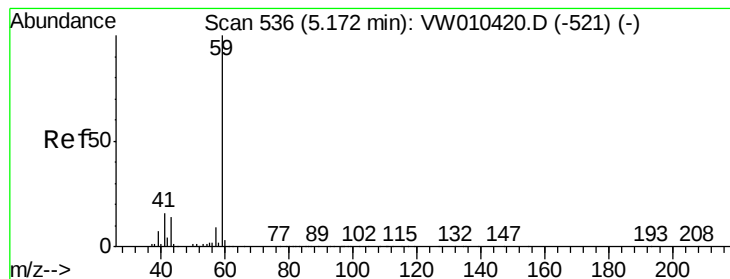
Tgt Ion:101 Resp: 369830
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.3 51.5
 151 75.7 59.4 89.2



#10
 Methyl Iodide
 Concen: 49.359 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion:142 Resp: 445610
 Ion Ratio Lower Upper
 142 100
 127 43.3 35.4 53.2
 141 13.9 11.4 17.2



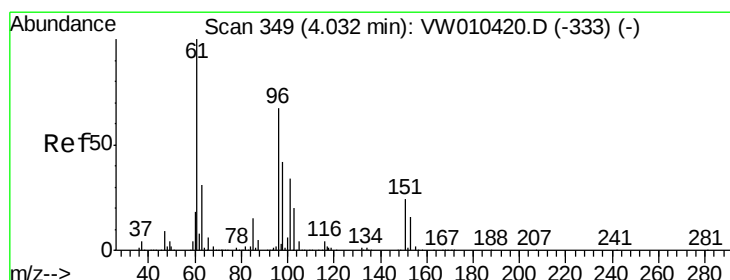
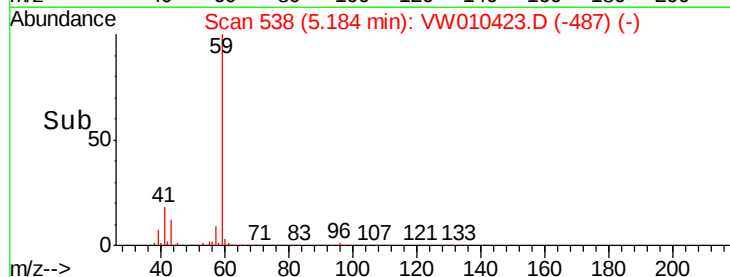
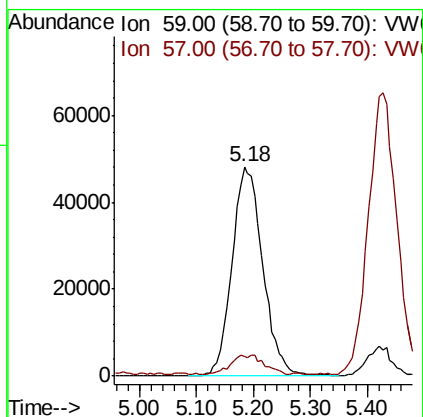
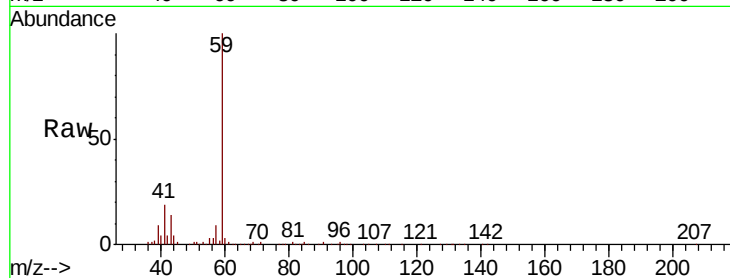


#11

Tert butyl alcohol
Concen: 239.951 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

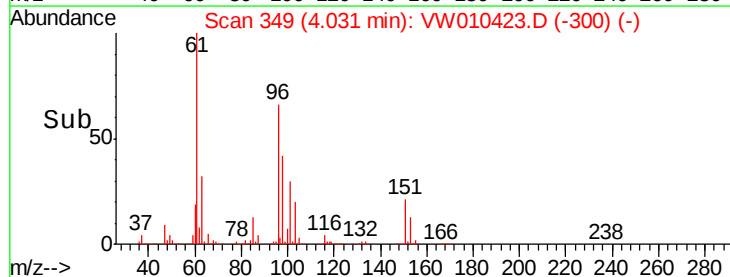
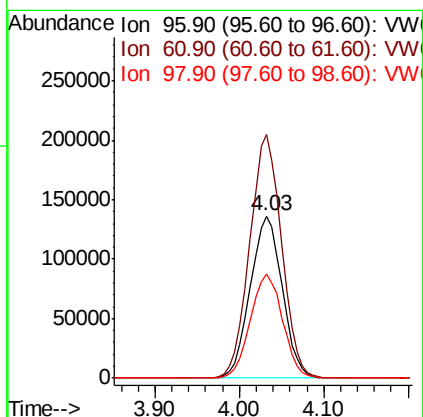
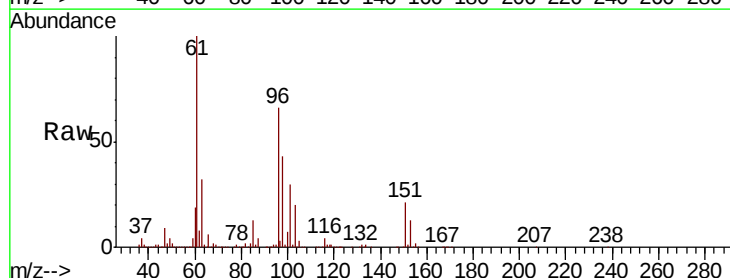
Tgt Ion: 59 Resp: 182223
Ion Ratio Lower Upper
59 100
57 5.6 8.4 12.6#

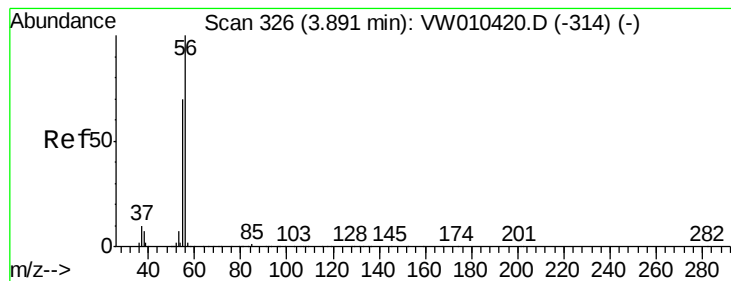


#12

1,1-Dichloroethene
Concen: 46.166 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 96 Resp: 351458
Ion Ratio Lower Upper
96 100
61 150.6 120.3 180.5
98 64.1 50.7 76.1





#13

Acrolein

Concen: 233.905 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

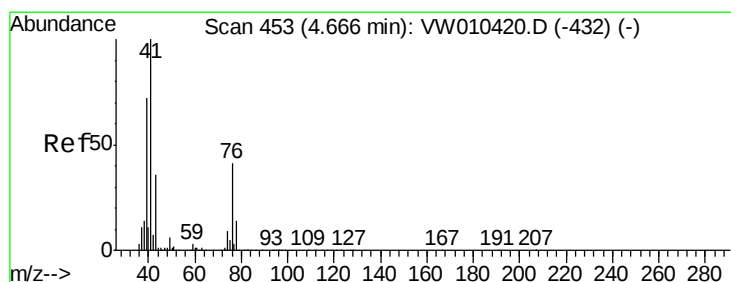
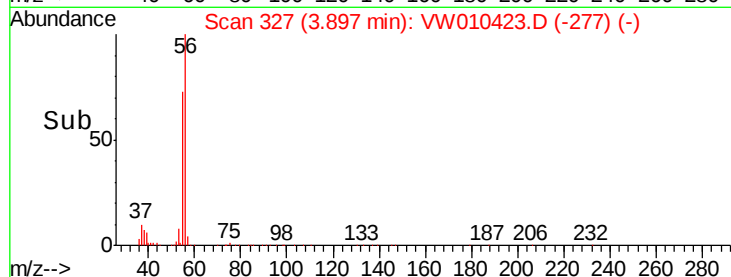
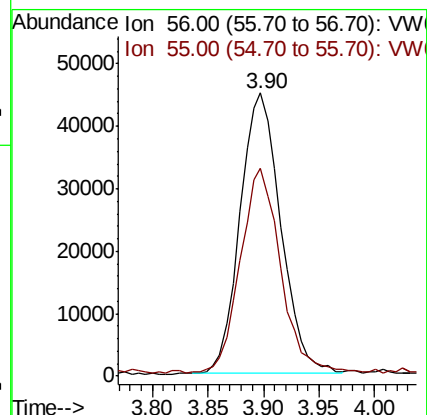
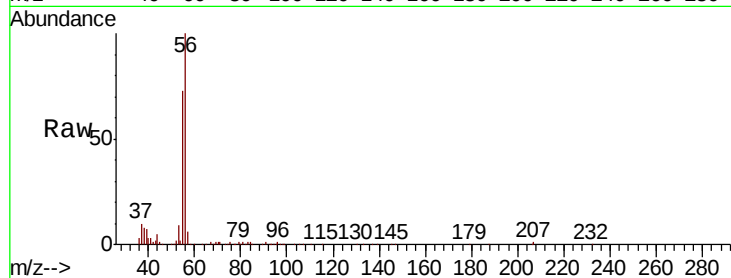
ICVW051719

Tgt Ion: 56 Resp: 114142

Ion Ratio Lower Upper

56 100

55 72.0 57.6 86.4



#14

Allyl chloride

Concen: 46.753 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

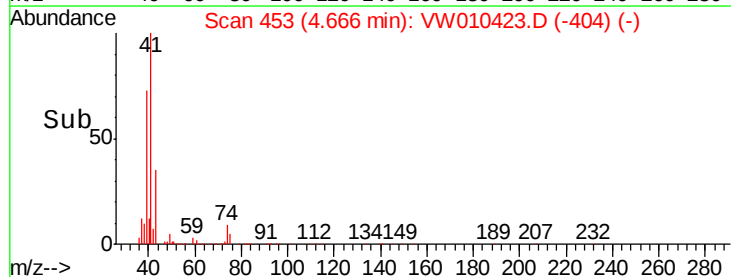
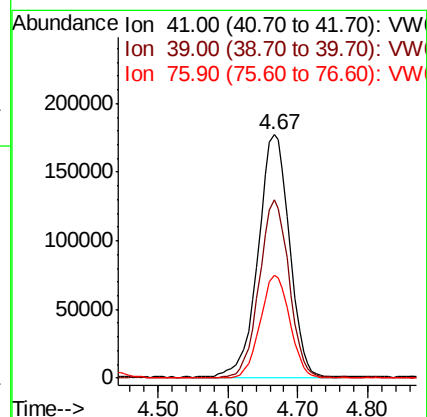
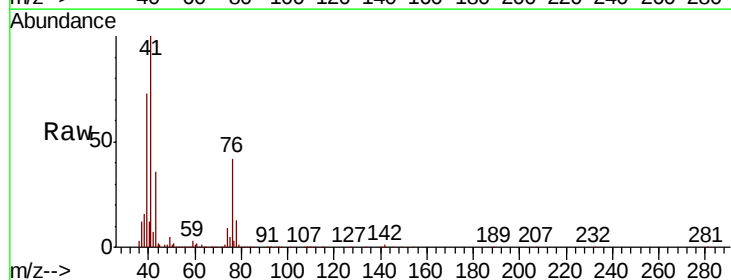
Tgt Ion: 41 Resp: 552124

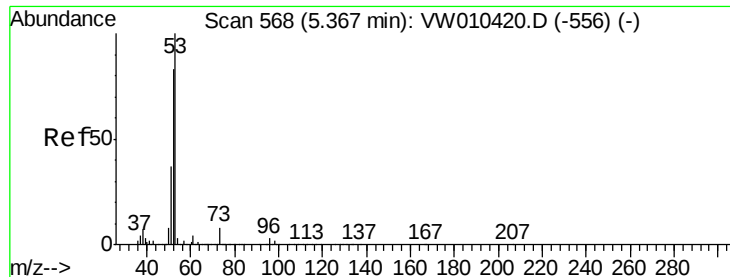
Ion Ratio Lower Upper

41 100

39 69.1 54.9 82.3

76 40.0 31.8 47.6





#15

Acrylonitrile

Concen: 240.312 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

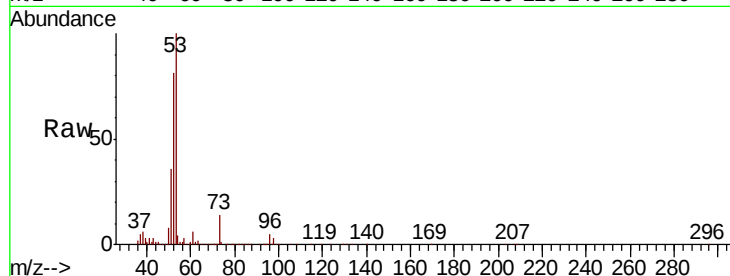
Tgt Ion: 53 Resp: 463545

Ion Ratio Lower Upper

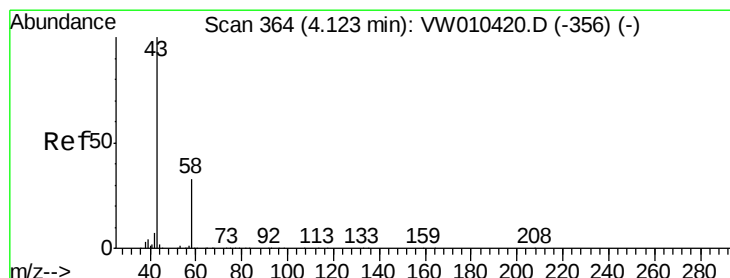
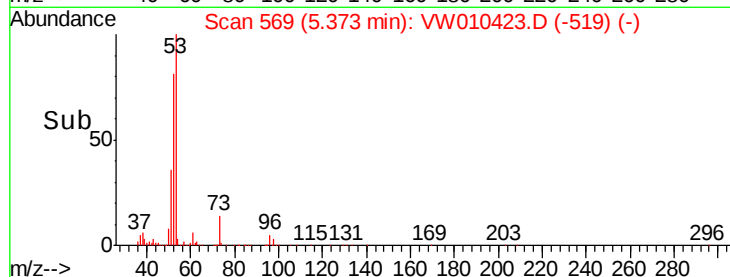
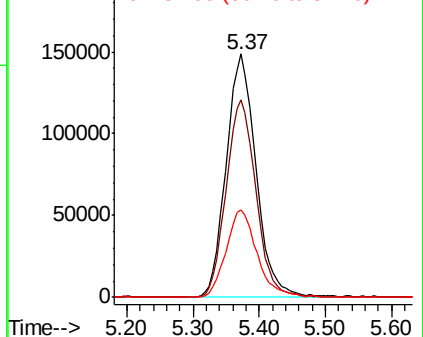
53 100

52 81.5 63.9 95.9

51 37.5 29.5 44.3



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



#16

Acetone

Concen: 229.804 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010423.D

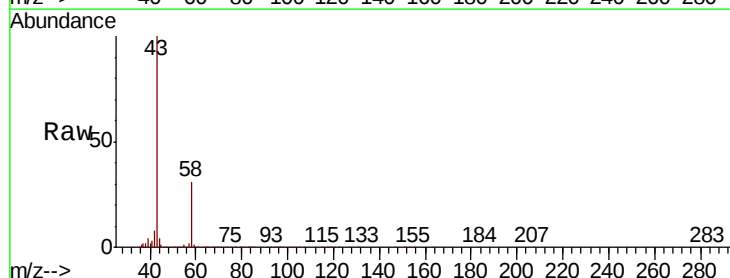
Acq: 17 May 2019 20:08

Tgt Ion: 43 Resp: 338904

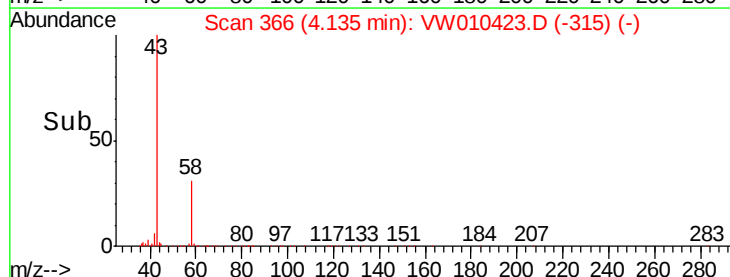
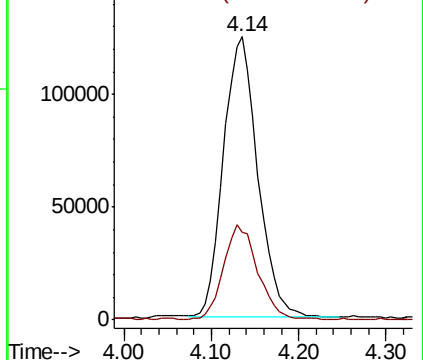
Ion Ratio Lower Upper

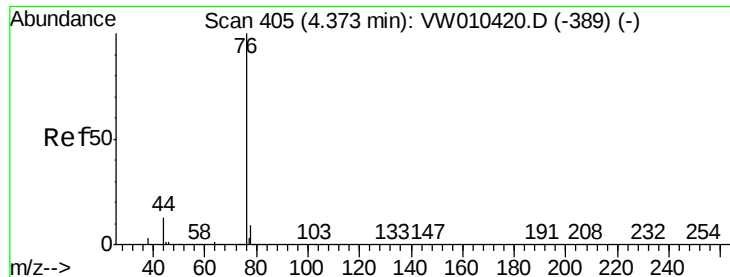
43 100

58 31.2 26.0 39.0



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





#17

Carbon Disulfide

Concen: 45.702 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

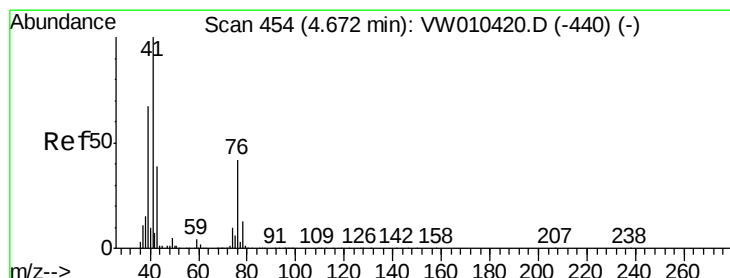
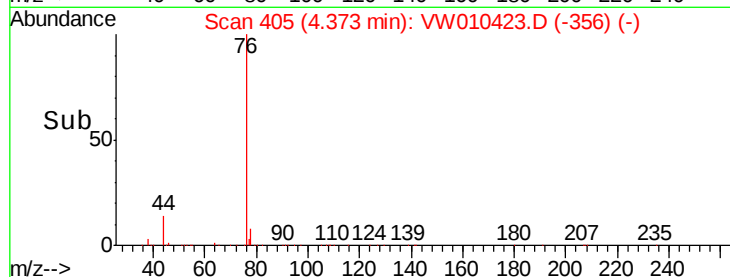
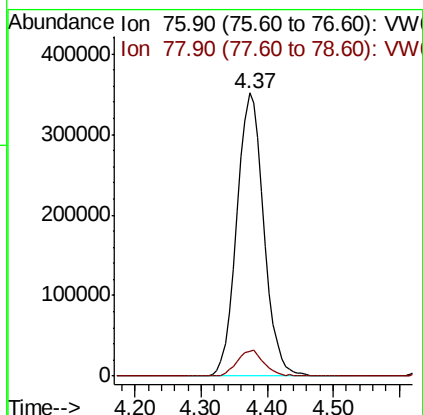
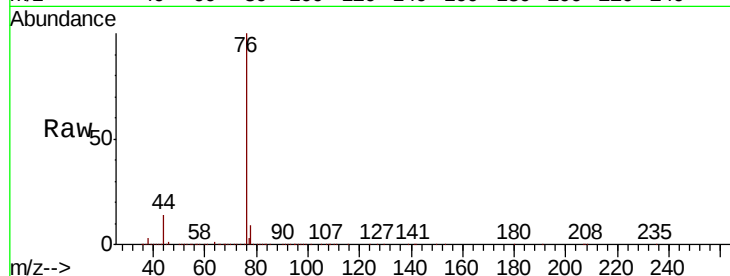
ICVW051719

Tgt Ion: 76 Resp: 993514

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 45.584 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010423.D

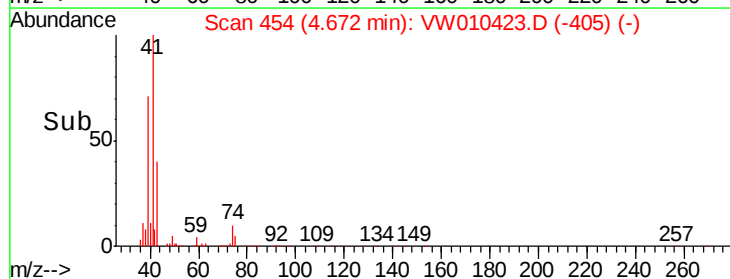
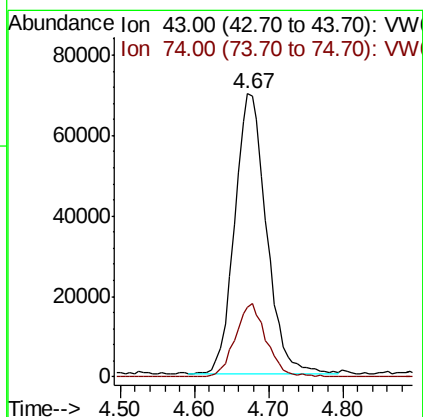
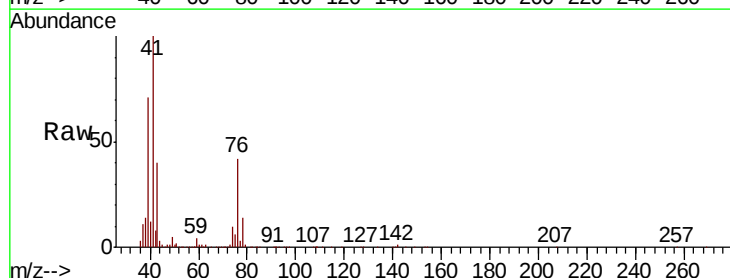
Acq: 17 May 2019 20:08

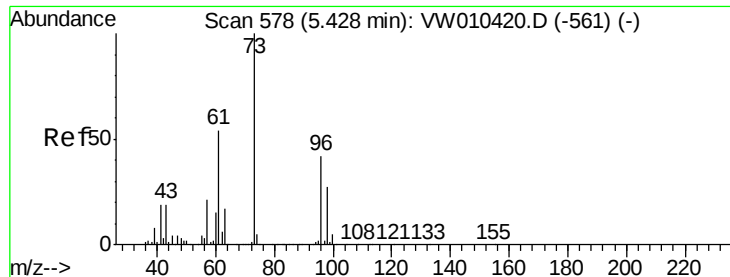
Tgt Ion: 43 Resp: 210082

Ion Ratio Lower Upper

43 100

74 25.4 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 48.350 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

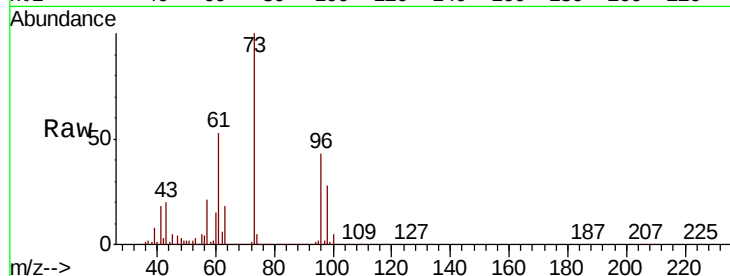
ICVW051719

Tgt Ion: 73 Resp: 1055783

Ion Ratio Lower Upper

73 100

57 21.3 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

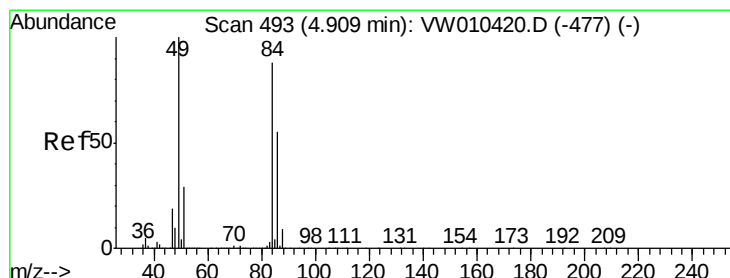
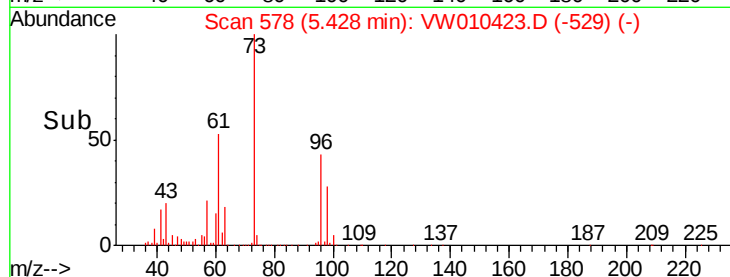
300000

200000

100000

0

Time--> 5.20 5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 51.634 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 84 Resp: 398547

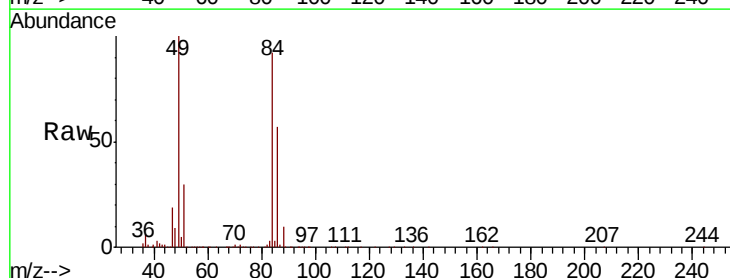
Ion Ratio Lower Upper

84 100

49 109.1 90.6 135.8

51 32.4 26.6 40.0

86 62.3 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

200000

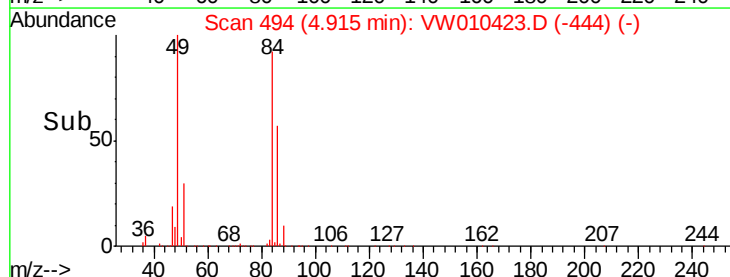
150000

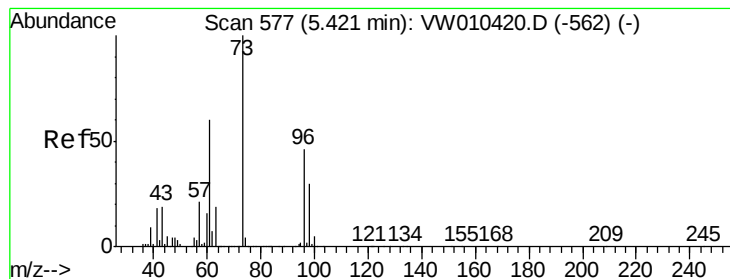
100000

50000

0

Time--> 4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 46.521 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

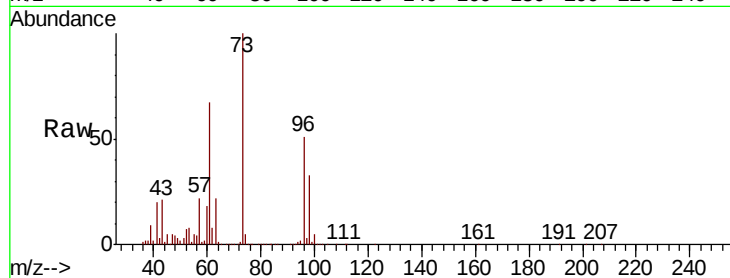
Tgt Ion: 96 Resp: 413067

Ion Ratio Lower Upper

96 100

61 129.9 103.9 155.9

98 63.8 51.5 77.3

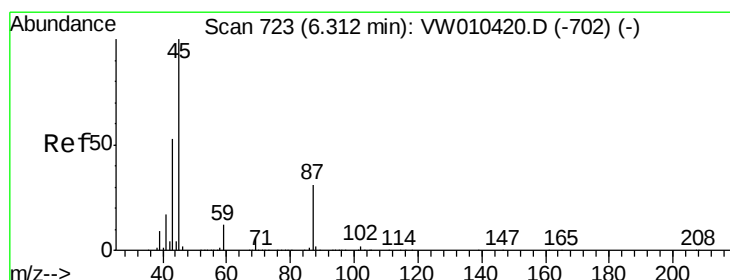
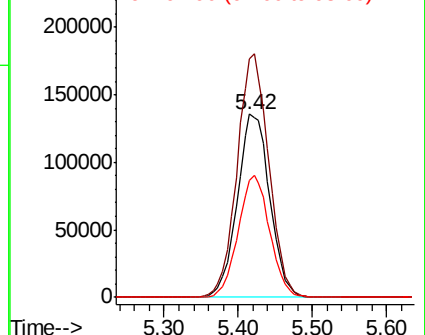
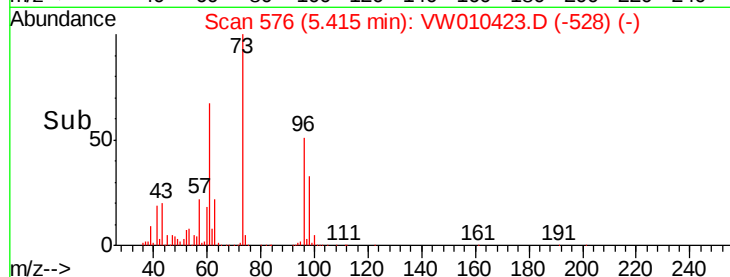


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 47.805 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 45 Resp: 1204859

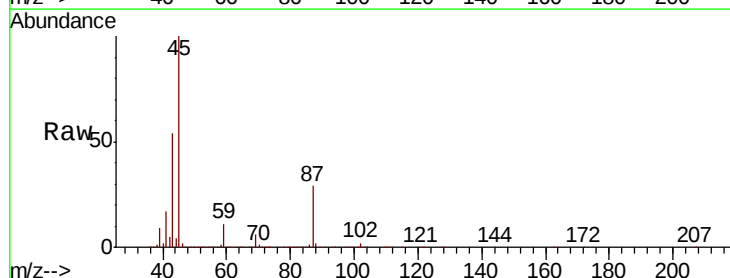
Ion Ratio Lower Upper

45 100

43 53.6 42.0 63.0

87 29.4 25.0 37.6

59 11.3 9.7 14.5



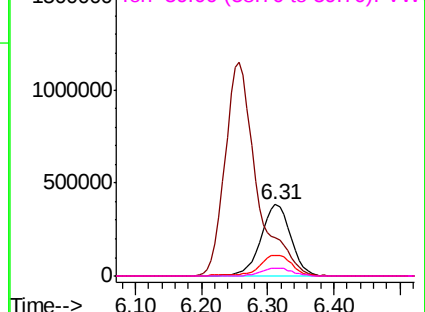
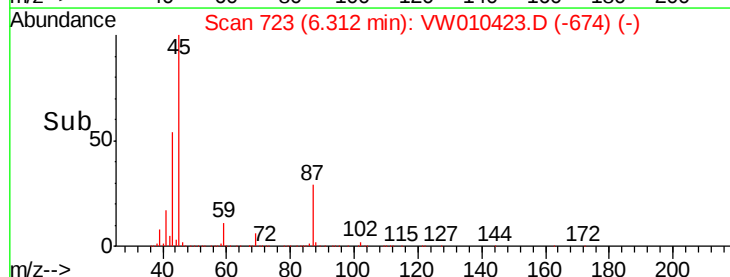
Abundance

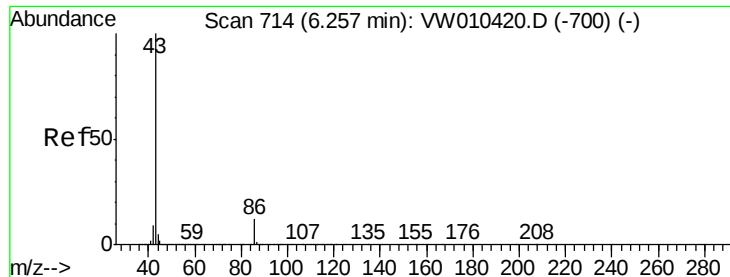
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 241.843 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

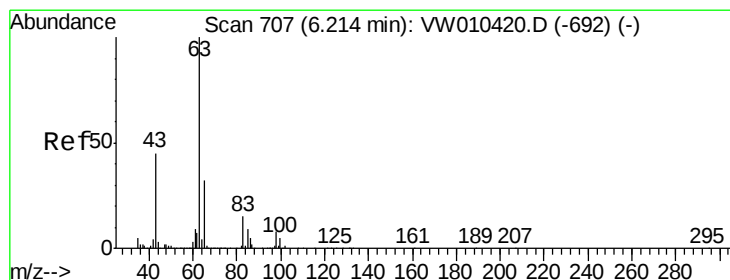
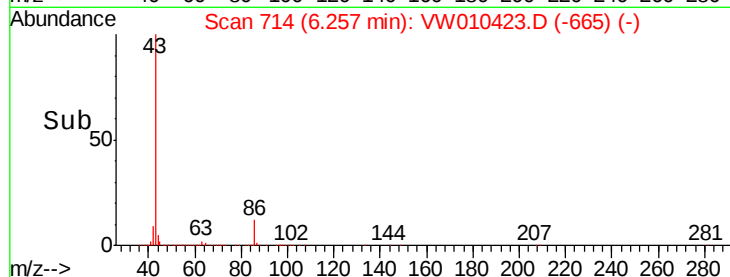
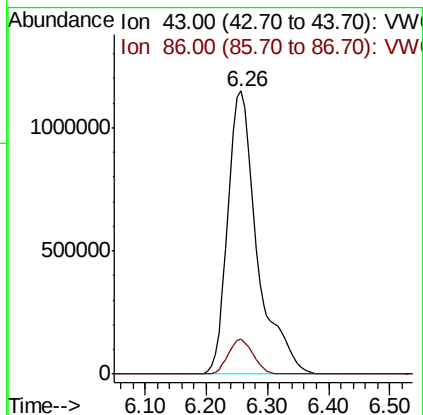
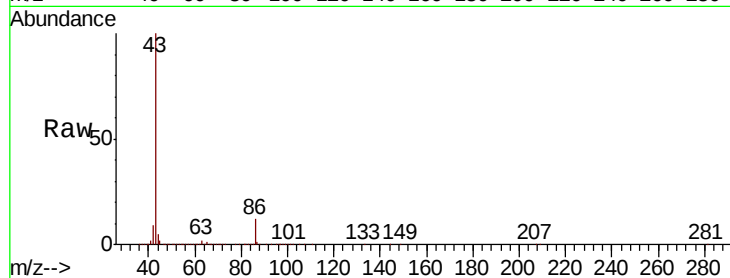
ICVW051719

Tgt Ion: 43 Resp: 3802372

Ion Ratio Lower Upper

43 100

86 12.2 9.7 14.5



#24

1,1-Dichloroethane

Concen: 47.542 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

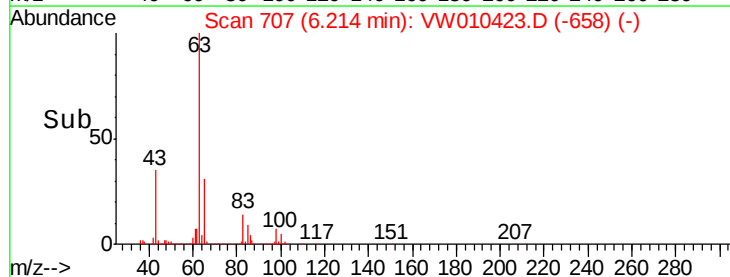
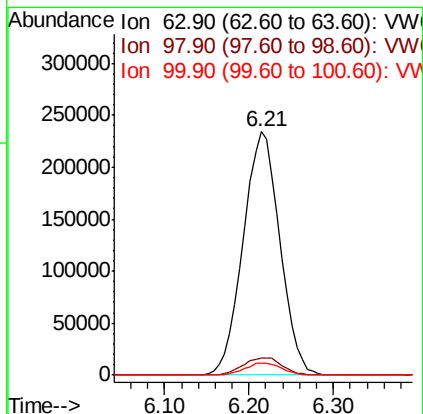
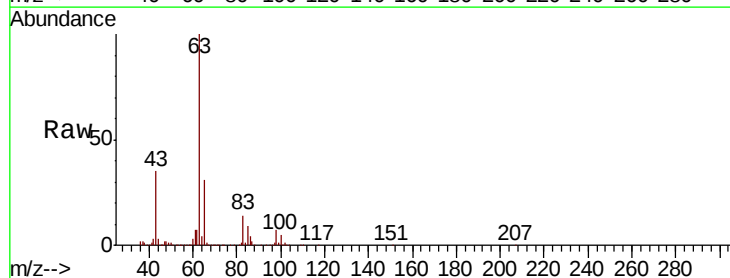
Tgt Ion: 63 Resp: 693716

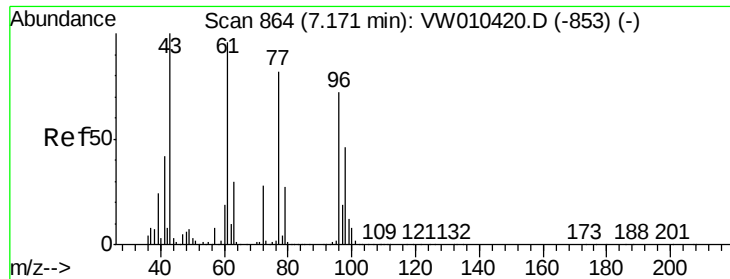
Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.0

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 241.804 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

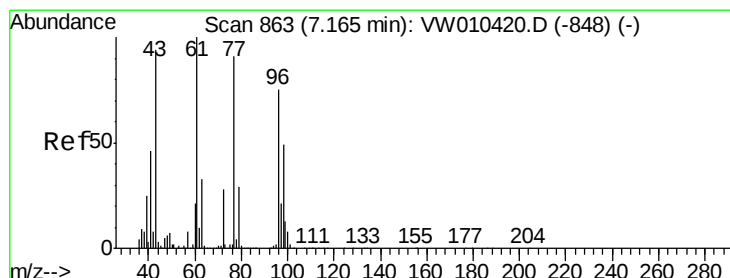
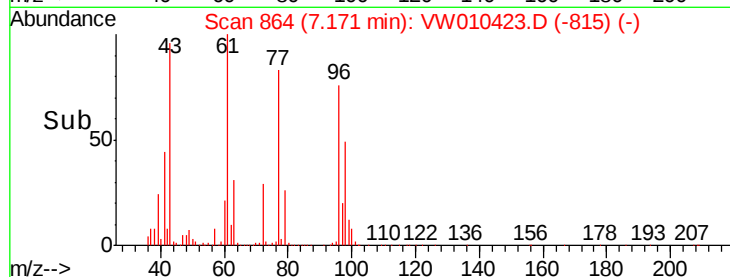
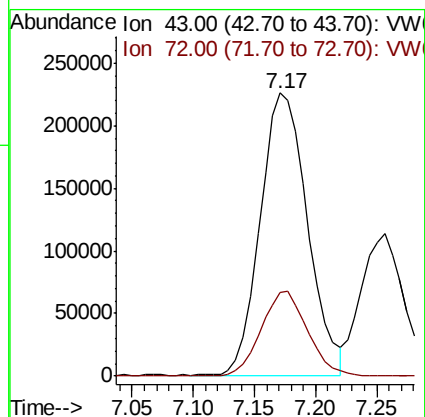
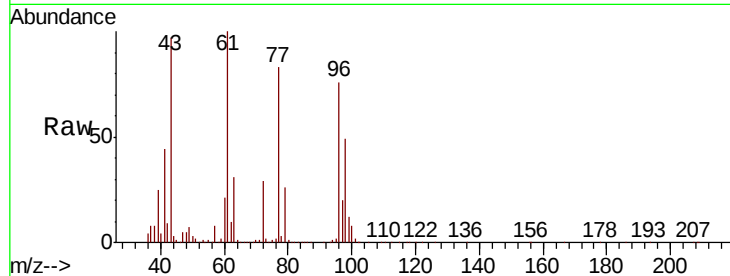
ICVW051719

Tgt Ion: 43 Resp: 607879

Ion Ratio Lower Upper

43 100

72 29.7 22.6 33.8



#26

2,2-Dichloropropane

Concen: 44.374 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010423.D

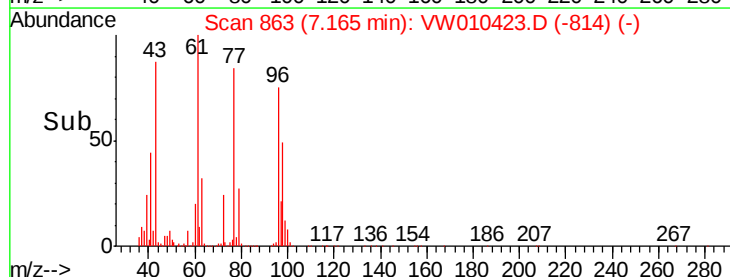
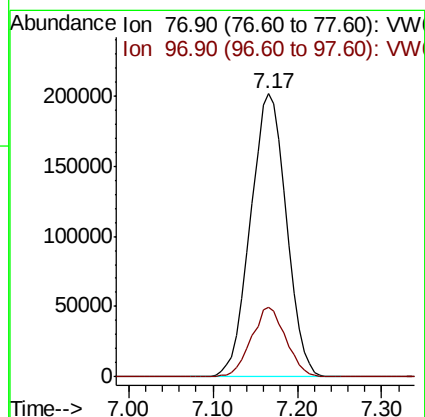
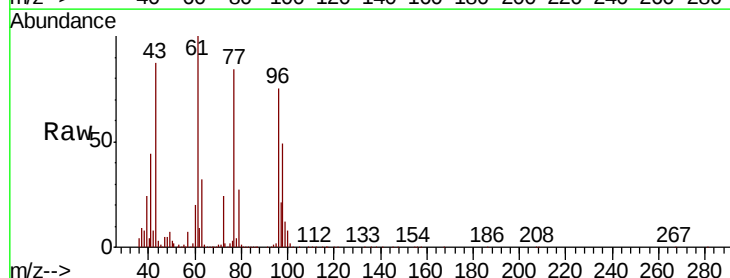
Acq: 17 May 2019 20:08

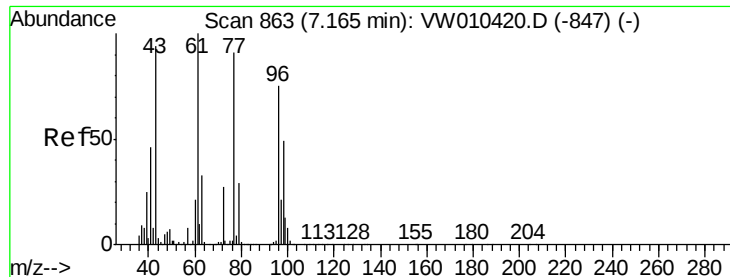
Tgt Ion: 77 Resp: 584311

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1



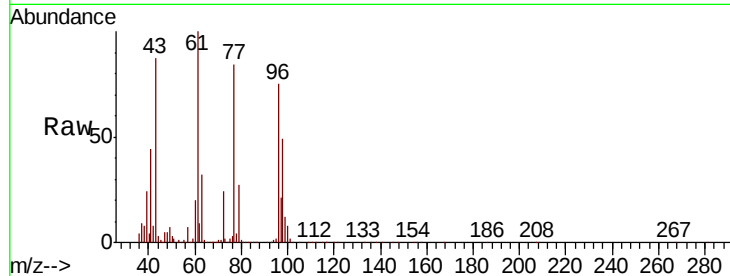


#27

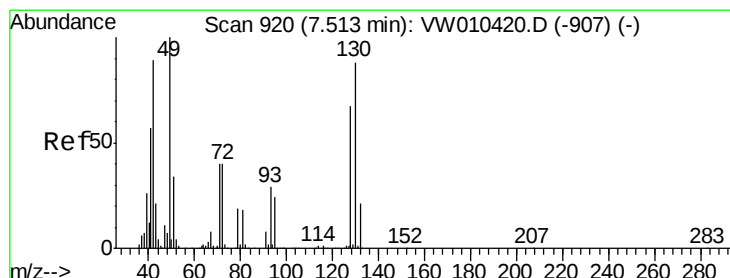
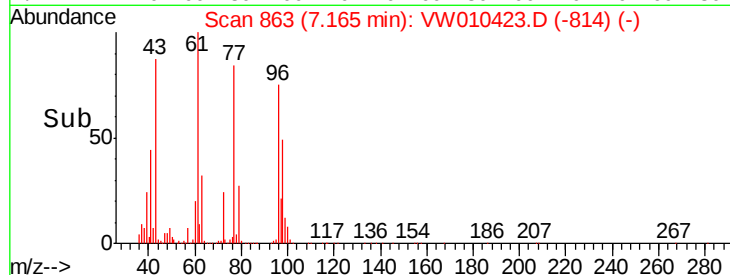
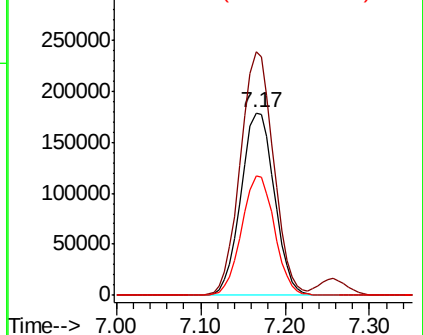
cis-1,2-Dichloroethene
Concen: 48.339 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tgt Ion: 96 Resp: 481341
Ion Ratio Lower Upper
96 100
61 132.0 0.0 266.4
98 63.9 0.0 129.6



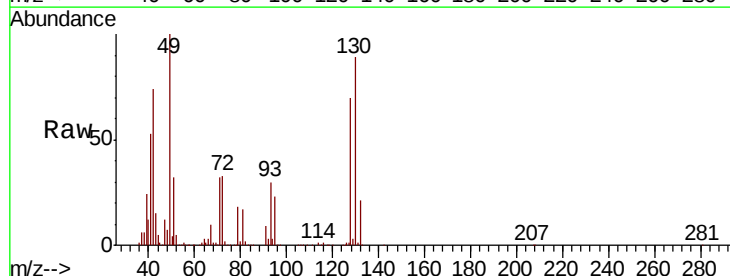
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



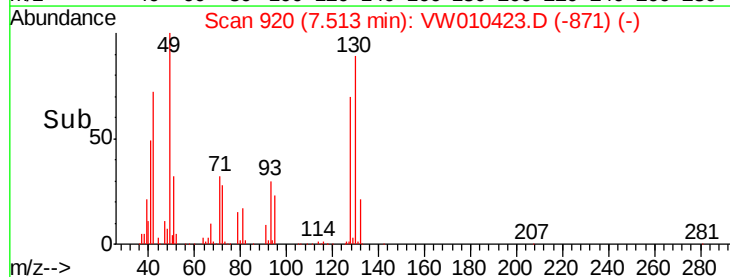
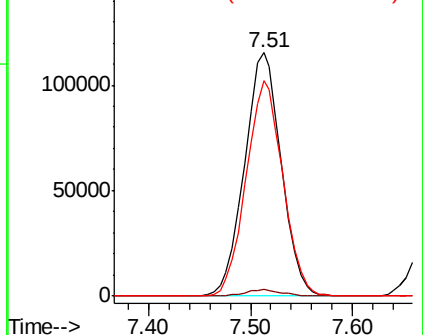
#28

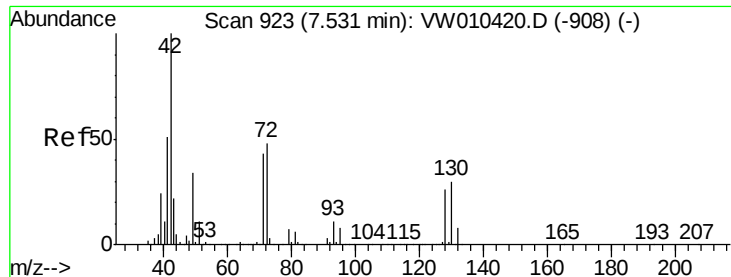
Bromochloromethane
Concen: 52.783 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 49 Resp: 289367
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.6
130 88.1 68.2 102.4



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

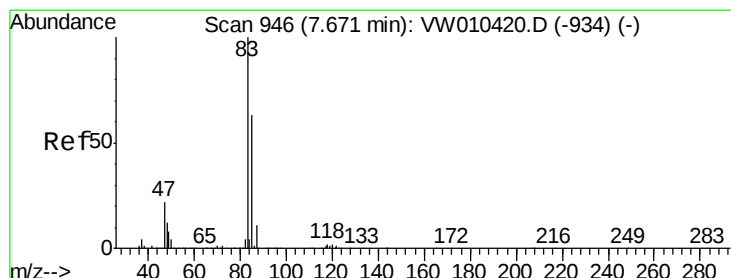
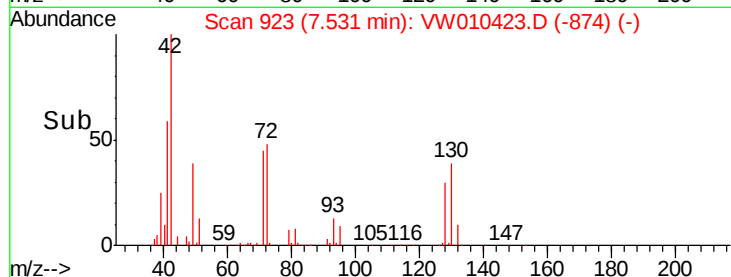
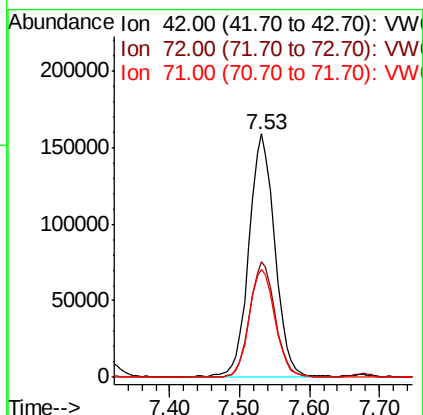
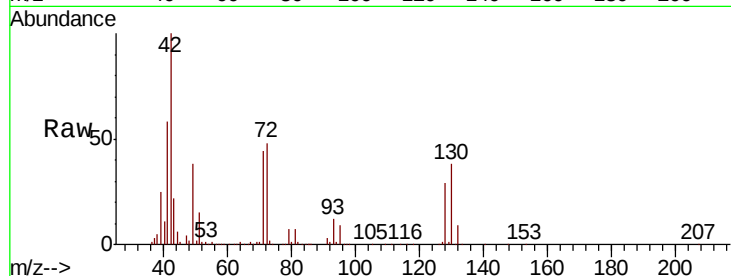




#29
Tetrahydrofuran
Concen: 239.787 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

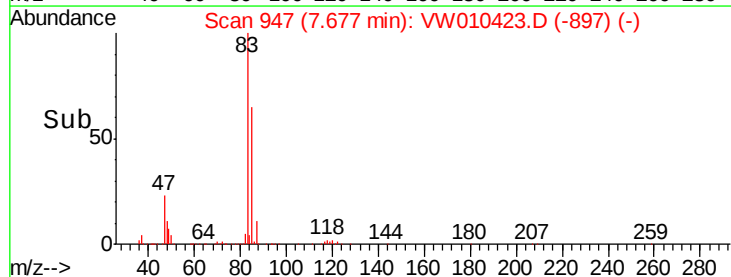
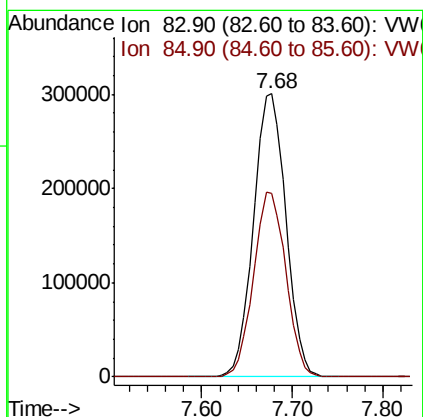
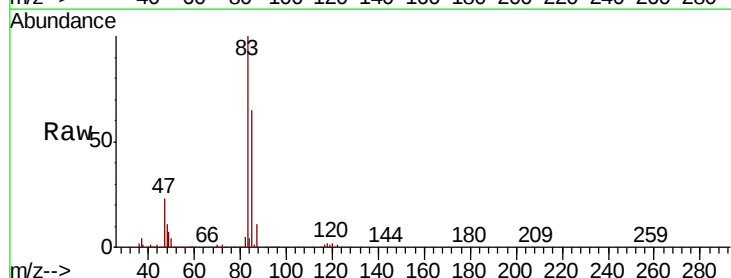
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

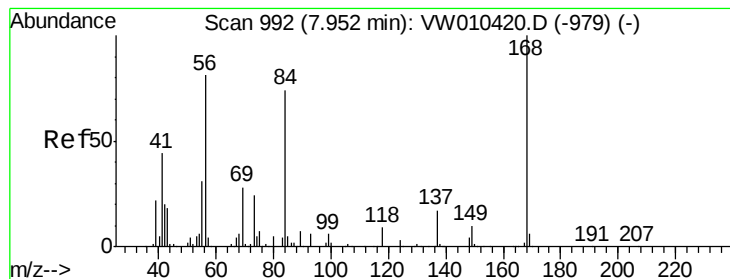
Tgt Ion: 42 Resp: 407934
Ion Ratio Lower Upper
42 100
72 46.8 38.2 57.2
71 44.2 36.0 54.0



#30
Chloroform
Concen: 48.384 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 83 Resp: 742537
Ion Ratio Lower Upper
83 100
85 64.6 50.8 76.2





#31

Cyclohexane

Concen: 48.236 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

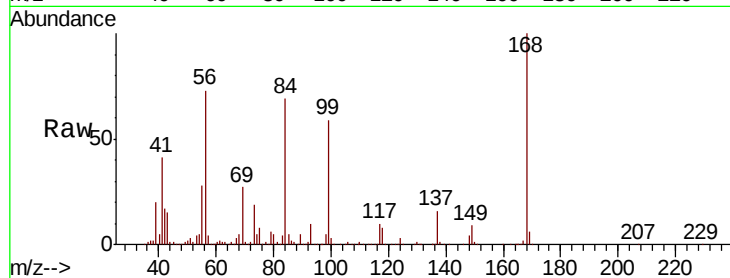
Tgt Ion: 56 Resp: 622966

Ion Ratio Lower Upper

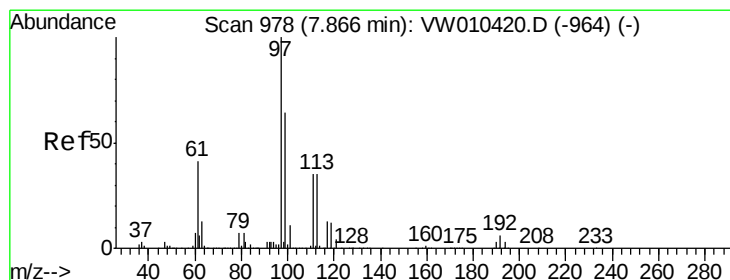
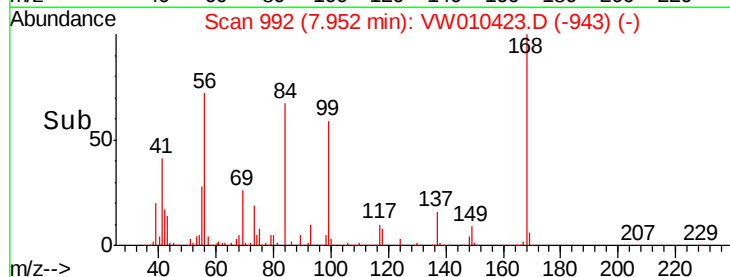
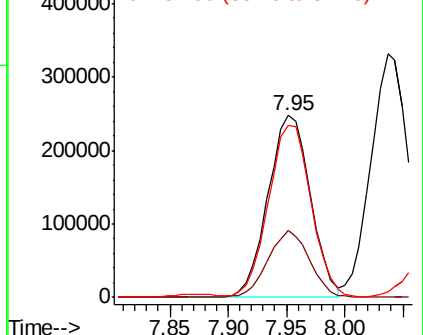
56 100

69 36.3 27.6 41.4

84 93.2 72.9 109.3



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: 46.721 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

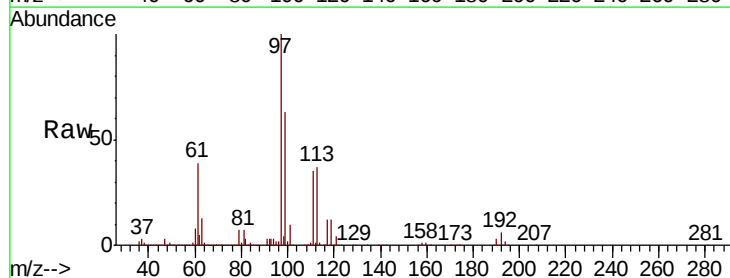
Tgt Ion: 97 Resp: 676109

Ion Ratio Lower Upper

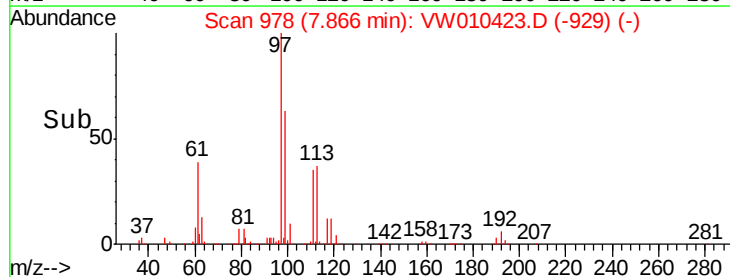
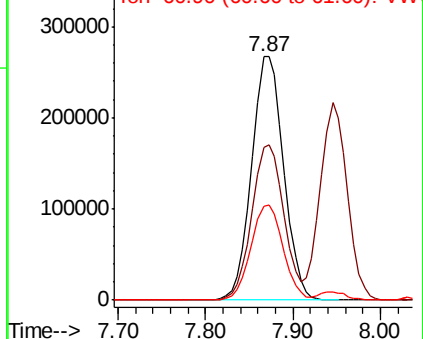
97 100

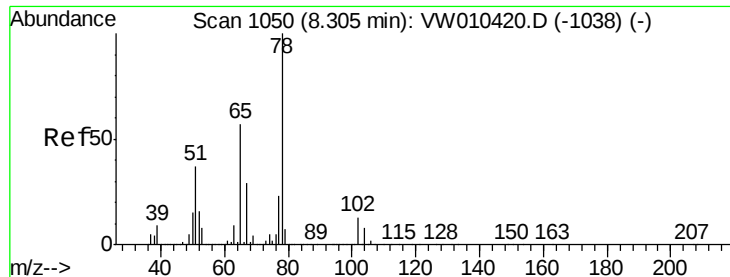
99 64.1 51.4 77.2

61 39.5 32.0 48.0



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





#33

1,2-Dichloroethane-d4

Concen: 52.015 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

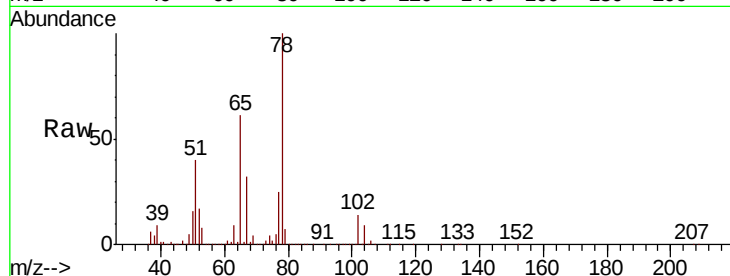
ICVW051719

Tgt Ion: 65 Resp: 435473

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

200000

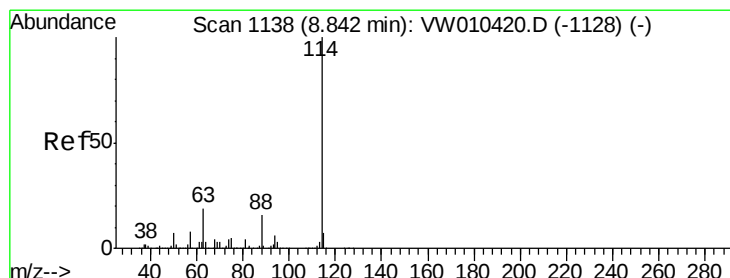
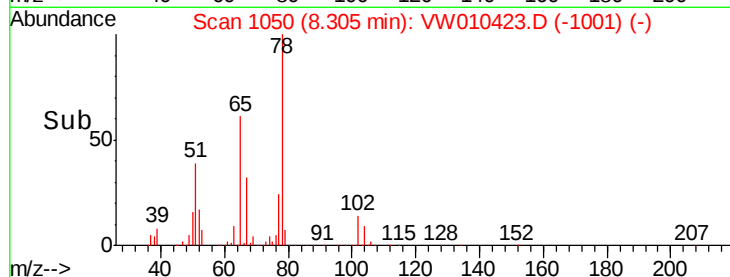
150000

100000

50000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

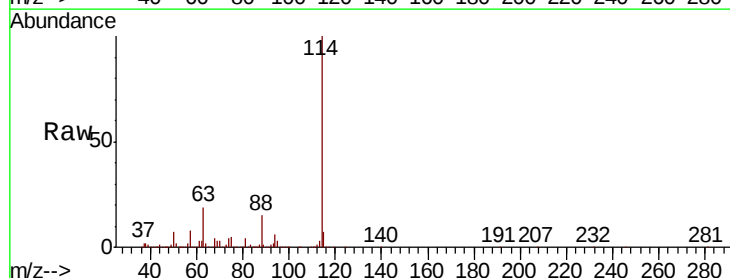
Tgt Ion: 114 Resp: 1372186

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

88 15.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

800000

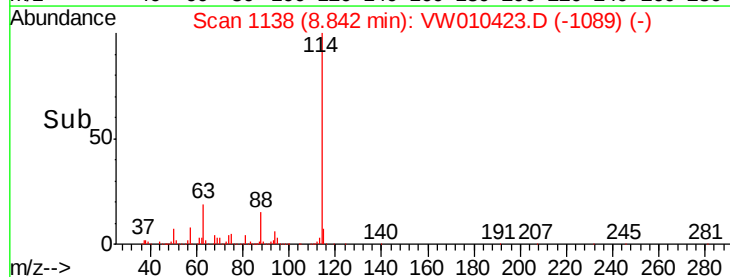
600000

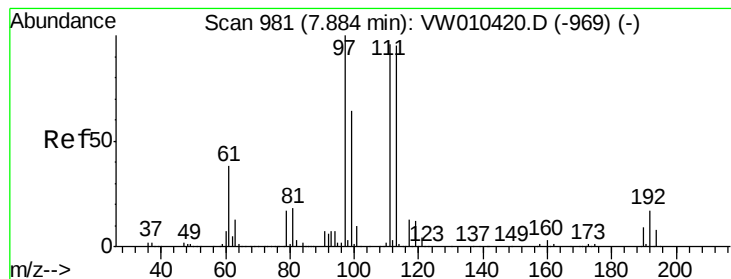
400000

200000

0

Time--> 8.70 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 51.200 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

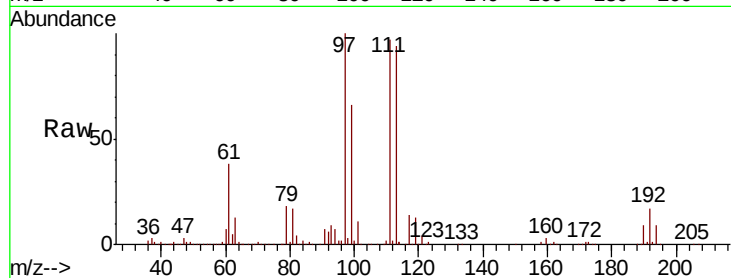
Tgt Ion:113 Resp: 433923

Ion Ratio Lower Upper

113 100

111 103.3 82.5 123.7

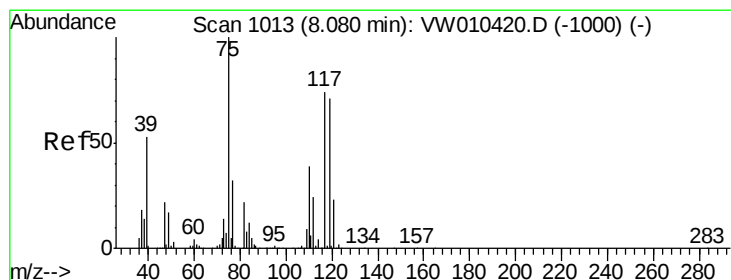
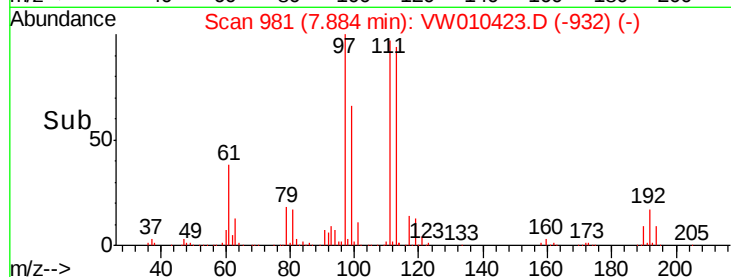
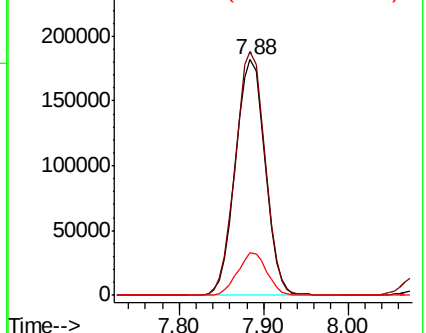
192 17.7 14.2 21.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.516 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

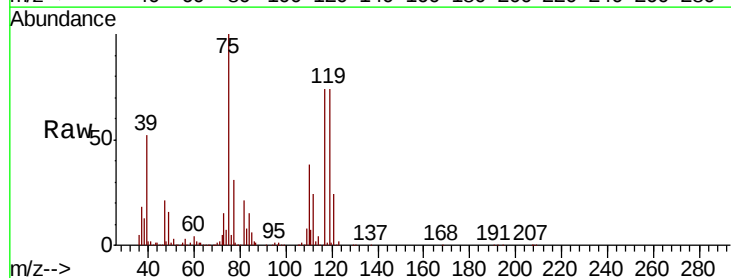
Tgt Ion: 75 Resp: 552920

Ion Ratio Lower Upper

75 100

110 38.0 19.4 58.1

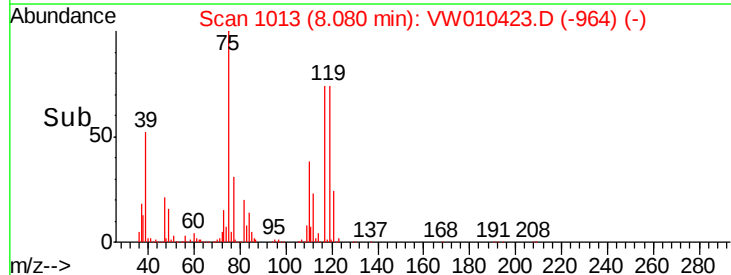
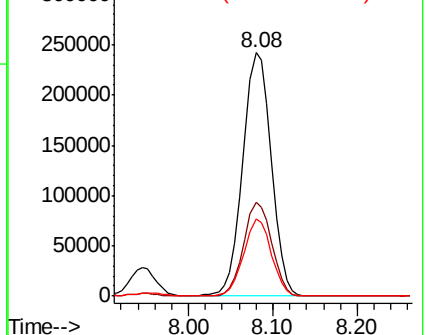
77 30.8 24.7 37.1

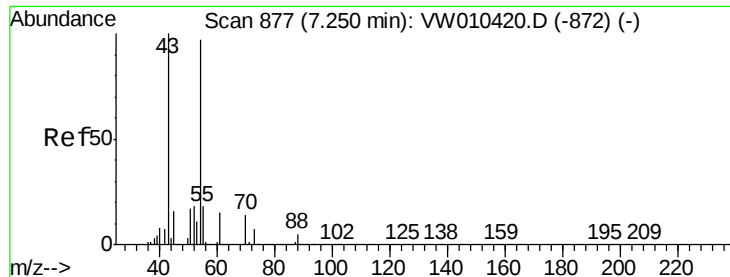


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

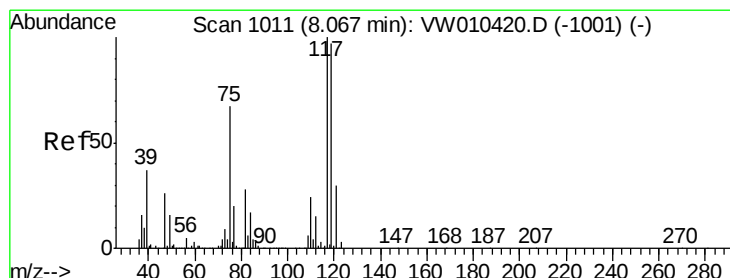
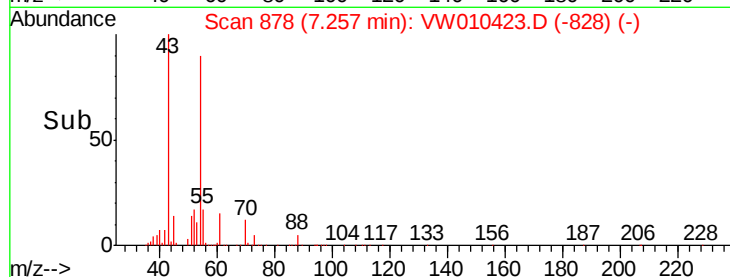
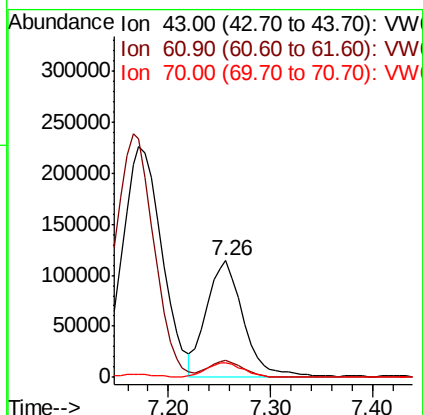
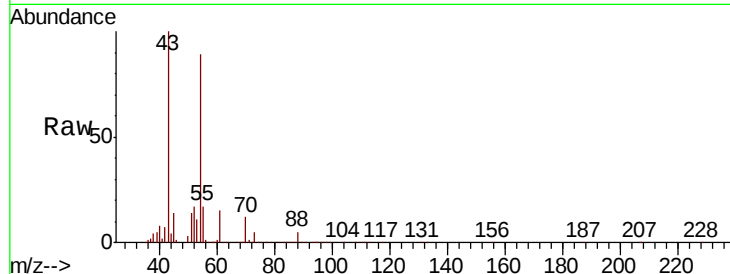




#37
Ethyl Acetate
Concen: 48.662 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

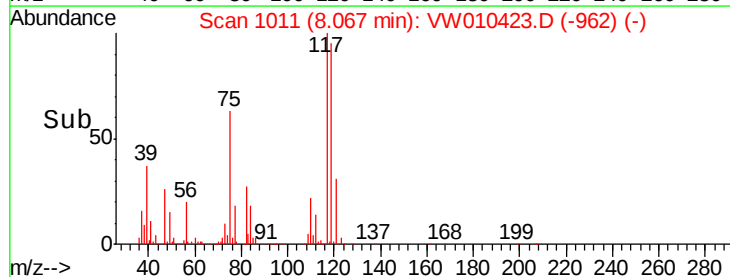
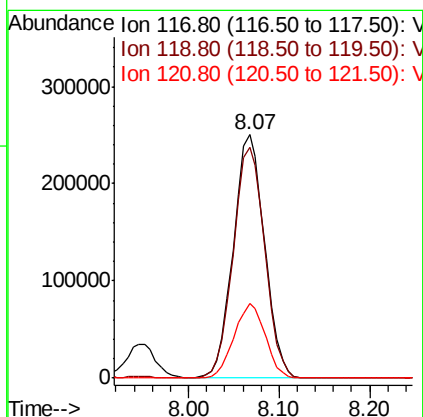
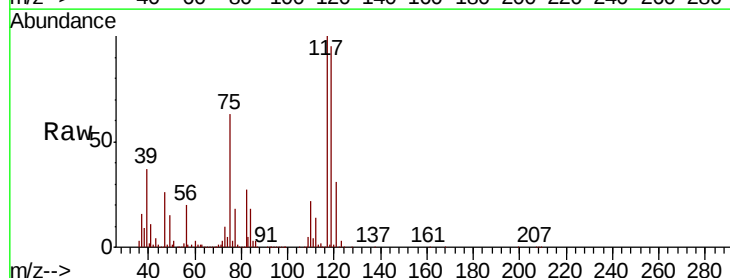
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

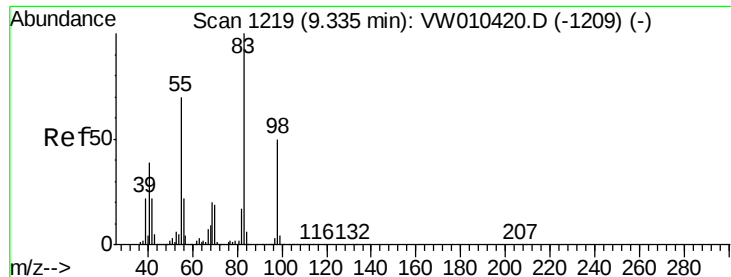
Tgt Ion: 43 Resp: 283628
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 12.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 45.470 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 117 Resp: 596112
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.6
121 30.6 24.2 36.2

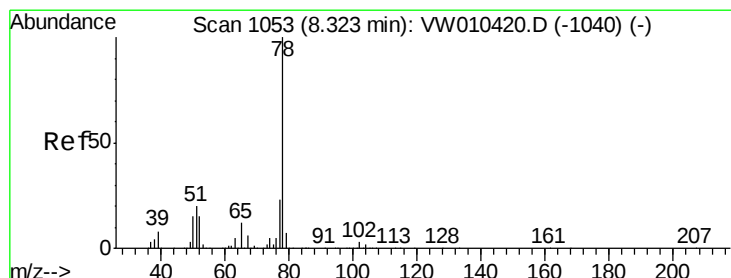
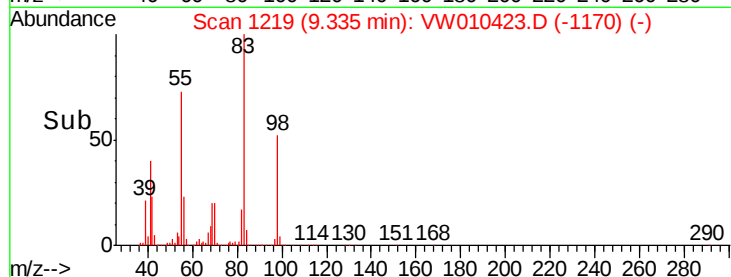
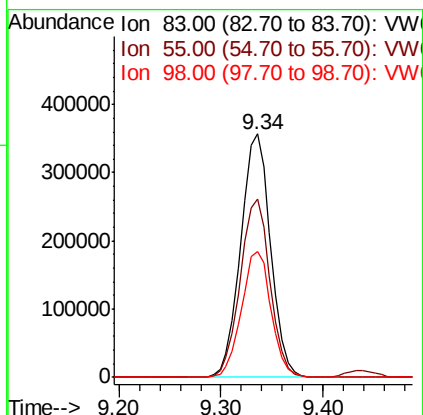
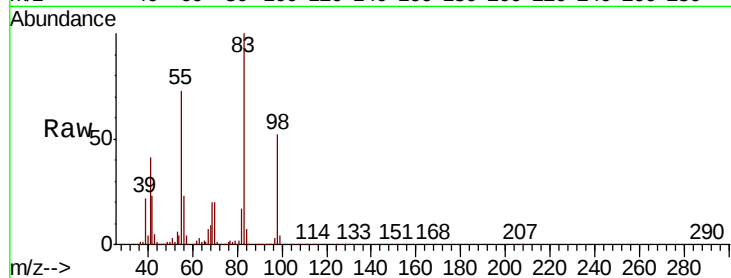




#39
Methylcyclohexane
Concen: 44.670 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

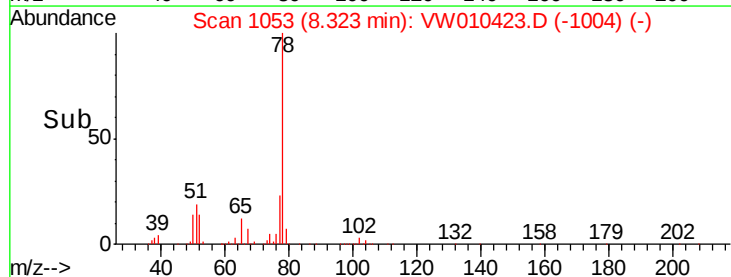
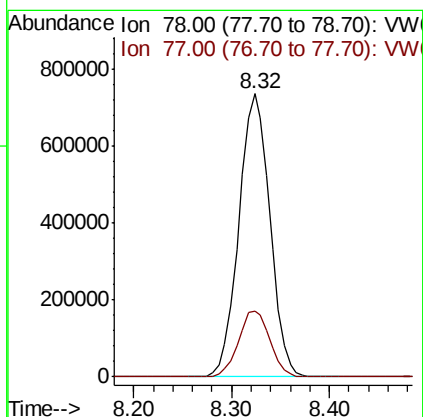
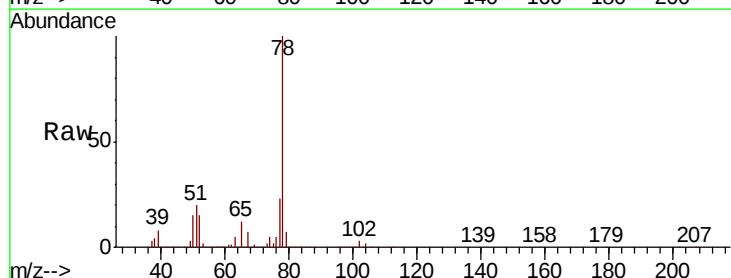
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

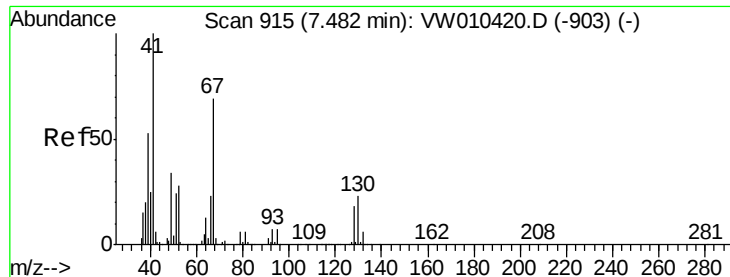
Tgt Ion: 83 Resp: 724661
Ion Ratio Lower Upper
83 100
55 73.3 55.7 83.5
98 51.7 40.2 60.4



#40
Benzene
Concen: 46.588 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 78 Resp: 1615173
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

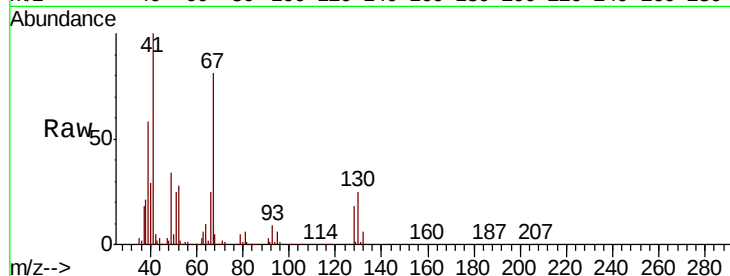




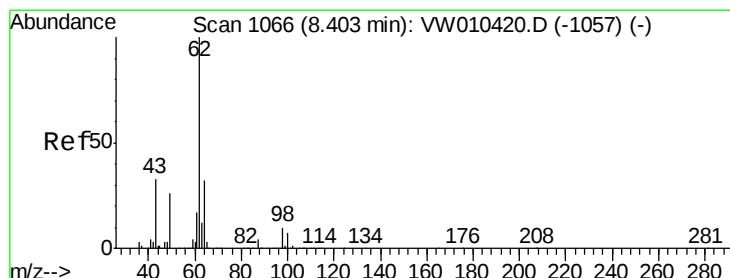
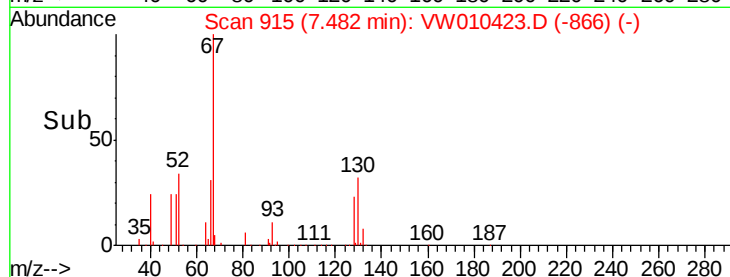
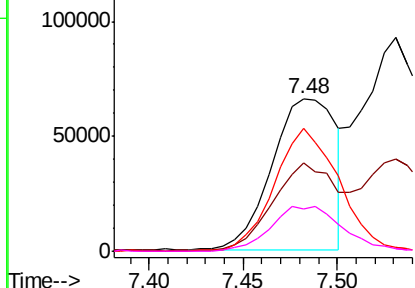
#41
Methacrylonitrile
Concen: 44.468 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tgt Ion:	41	Resp:	155205
Ion	Ratio	Lower	Upper
41	100		
39	60.2	38.1	57.1#
67	81.5	55.5	83.3
52	32.8	22.1	33.1

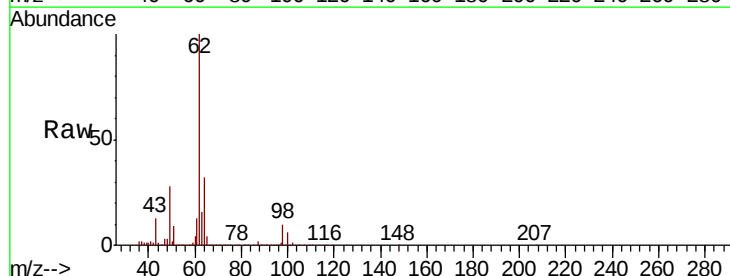


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

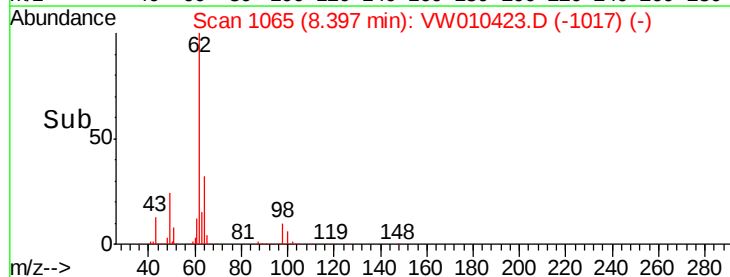
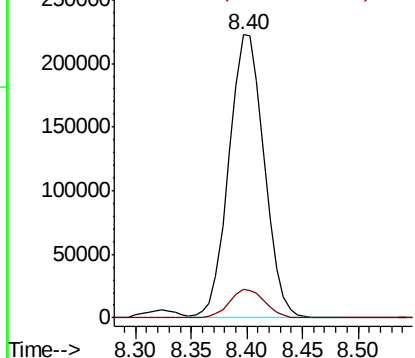


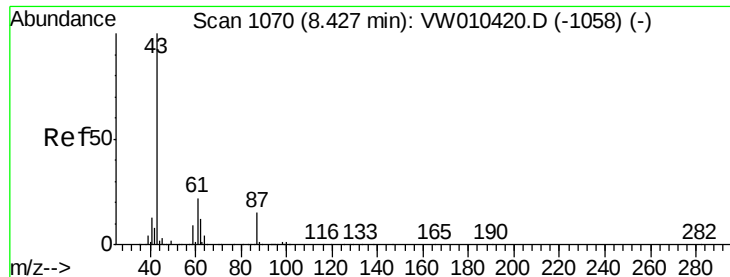
#42
1,2-Dichloroethane
Concen: 47.235 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:	62	Resp:	487935
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 48.002 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

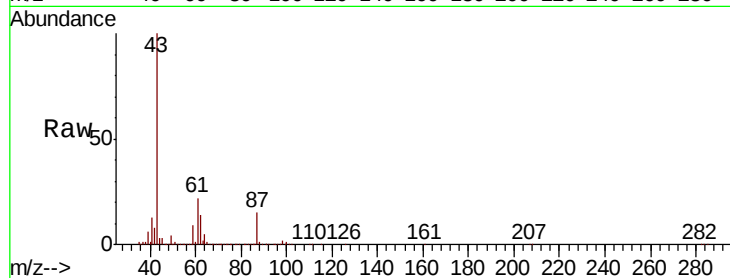
Tgt Ion: 43 Resp: 569765

Ion Ratio Lower Upper

43 100

61 30.1 24.4 36.6

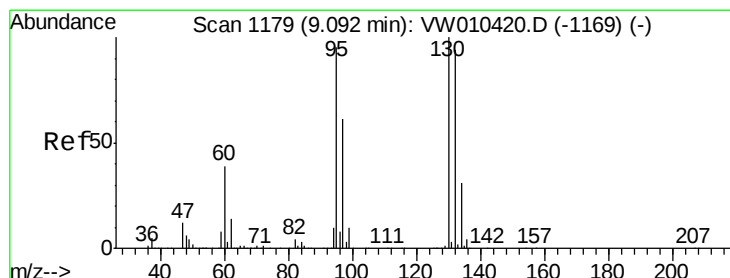
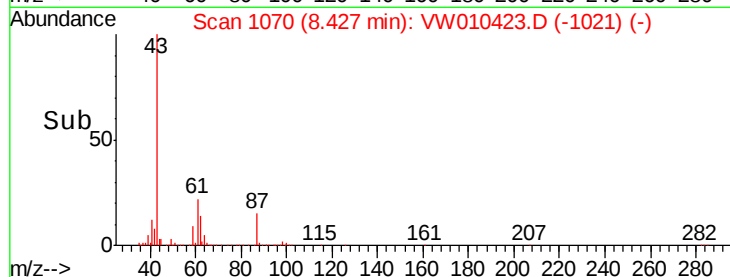
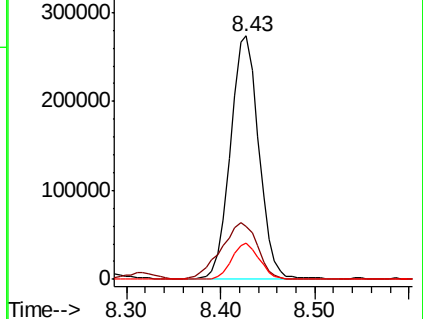
87 14.7 11.8 17.8



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: 47.377 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010423.D

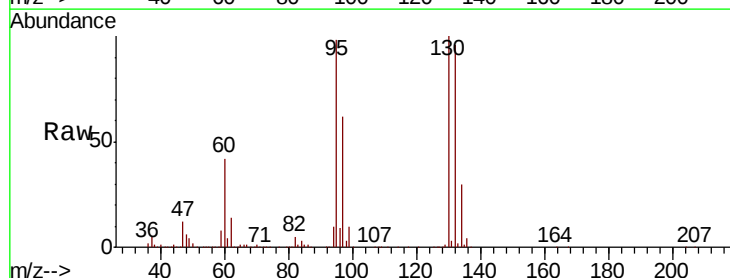
Acq: 17 May 2019 20:08

Tgt Ion: 130 Resp: 470593

Ion Ratio Lower Upper

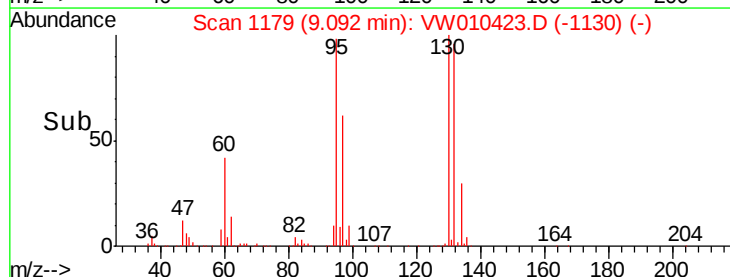
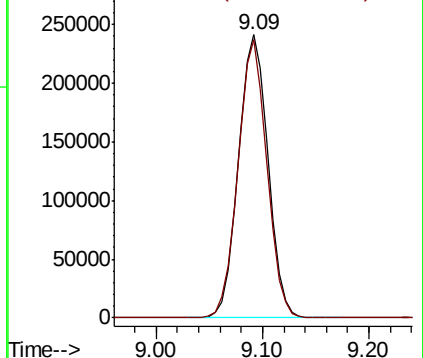
130 100

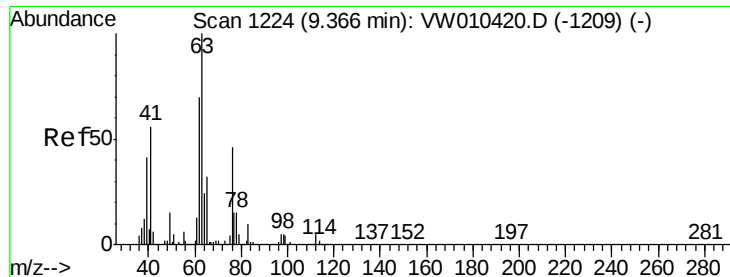
95 98.4 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

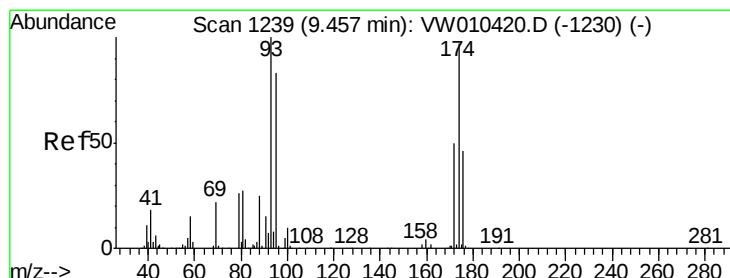
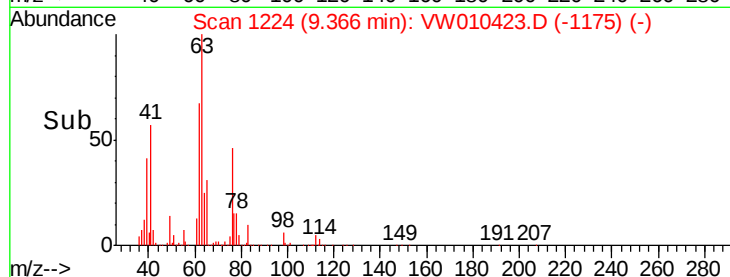
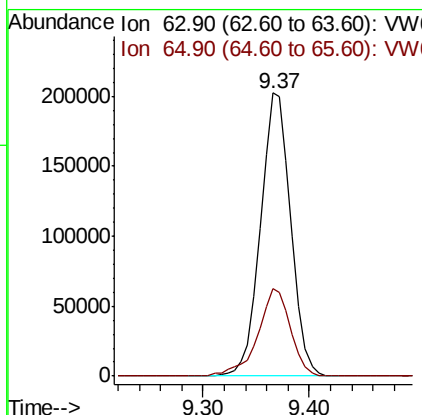
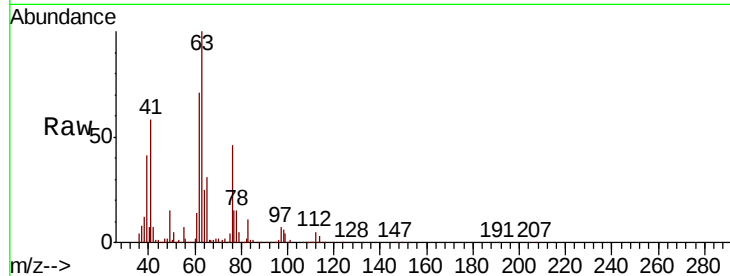




#45
 1,2-Dichloropropane
 Concen: 47.377 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

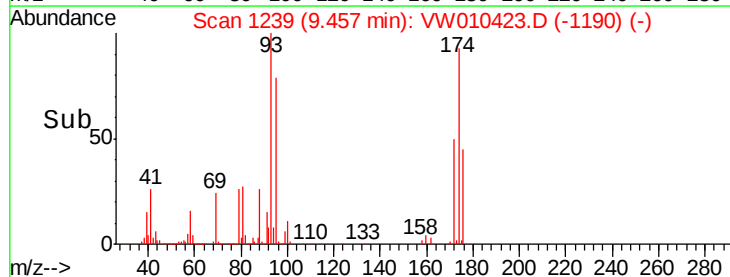
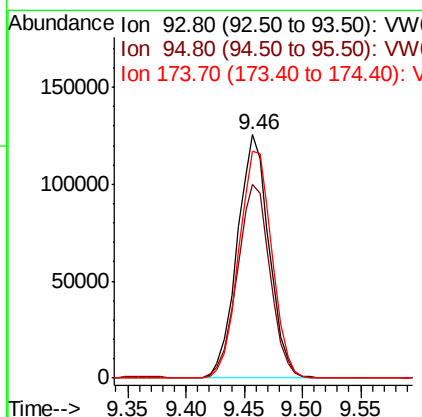
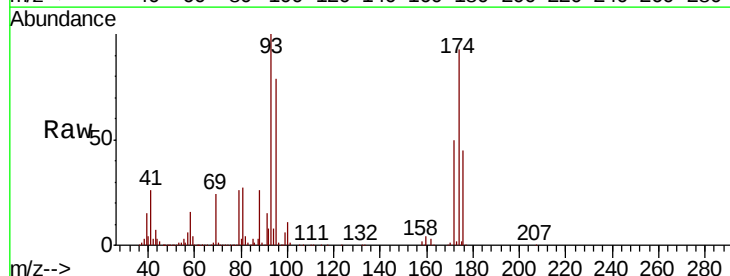
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

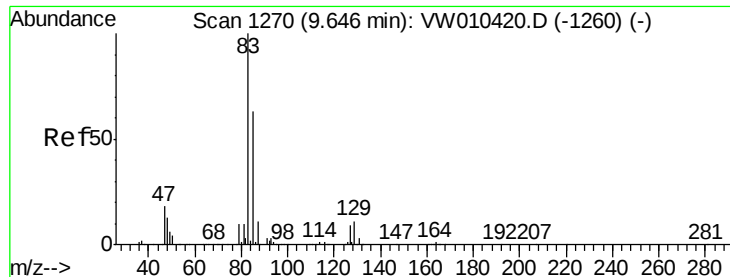
Tgt Ion: 63 Resp: 402079
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.2



#46
 Dibromomethane
 Concen: 47.574 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion: 93 Resp: 238506
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.6 100.0
 174 97.5 76.4 114.6





#47

Bromodichloromethane

Concen: 47.743 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

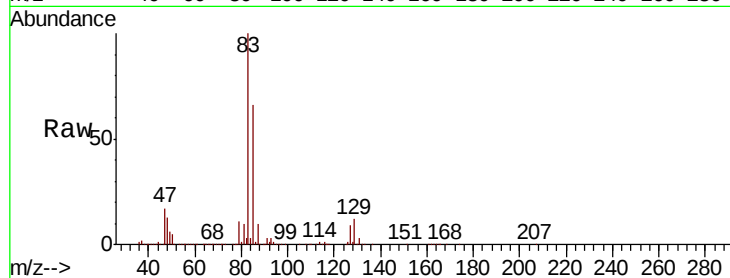
Tgt Ion: 83 Resp: 594785

Ion Ratio Lower Upper

83 100

85 65.5 50.0 75.0

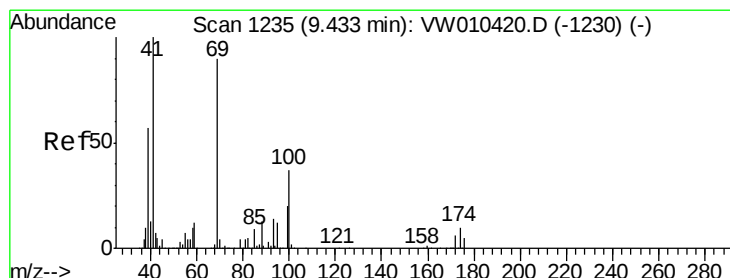
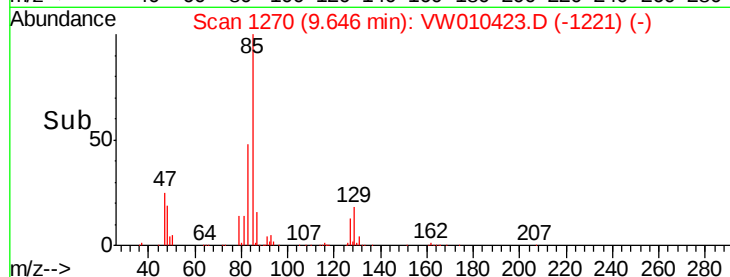
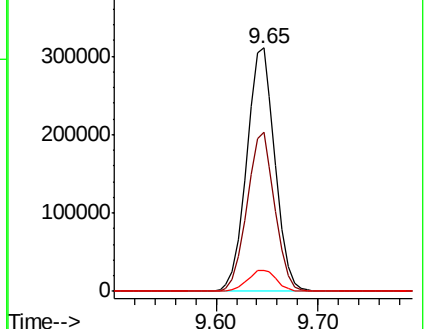
127 8.7 7.3 10.9



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: 46.903 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

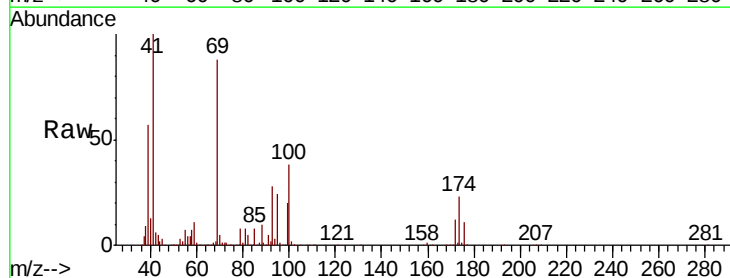
Tgt Ion: 41 Resp: 256531

Ion Ratio Lower Upper

41 100

69 95.2 75.2 112.8

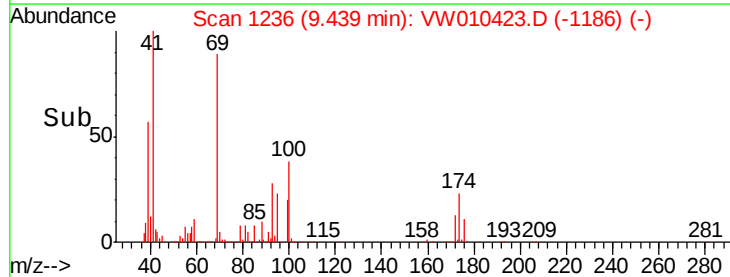
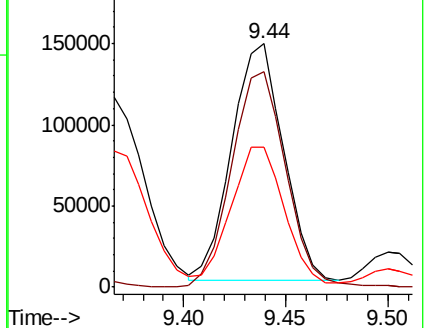
39 58.1 46.8 70.2

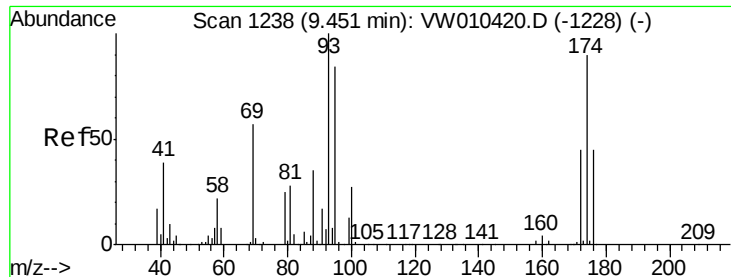


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

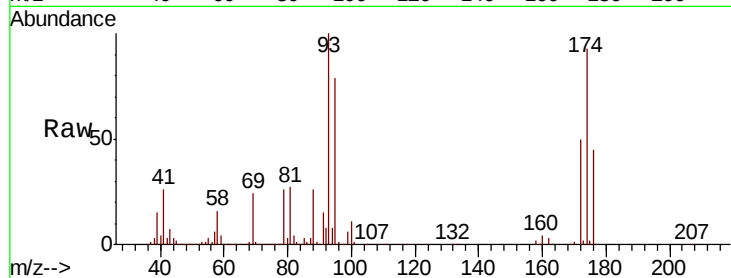




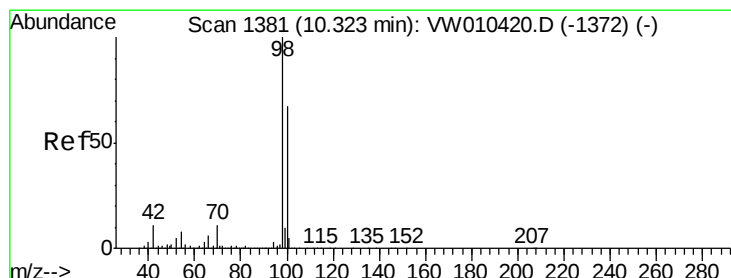
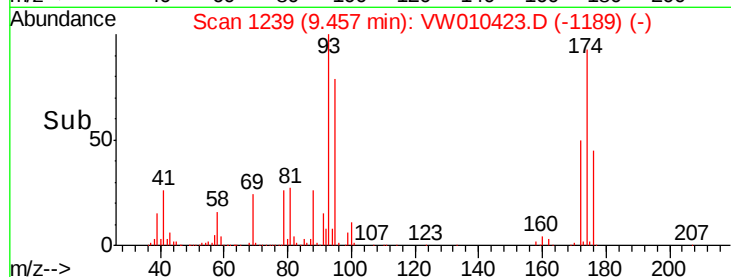
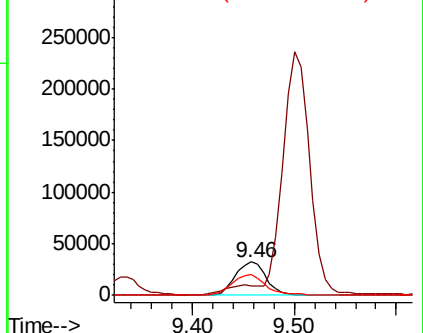
#49
 1,4-Dioxane
 Concen: 924.094 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Tgt Ion: 88 Resp: 68564
 Ion Ratio Lower Upper
 88 100
 43 29.2 24.9 37.3
 58 68.8 55.0 82.6

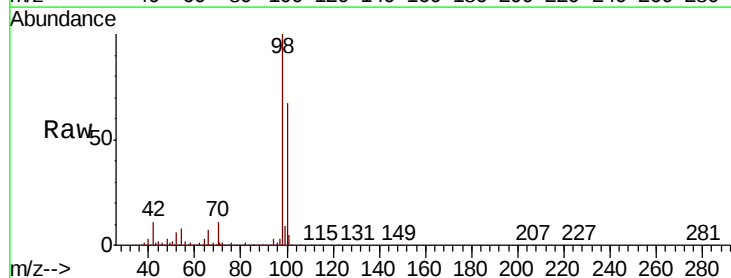


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

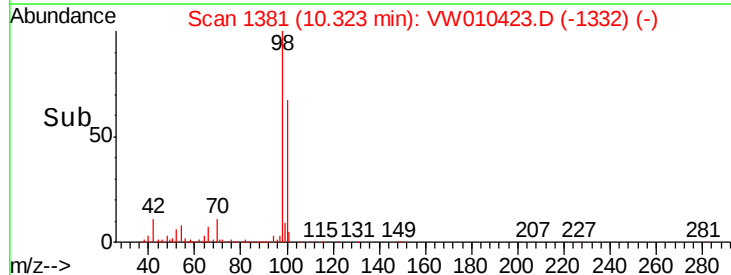
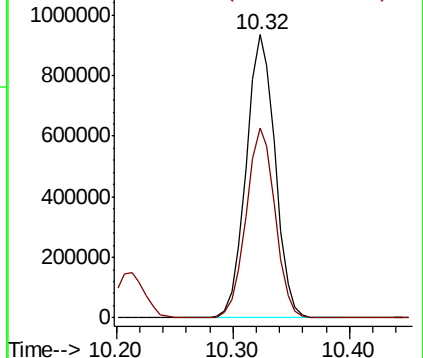


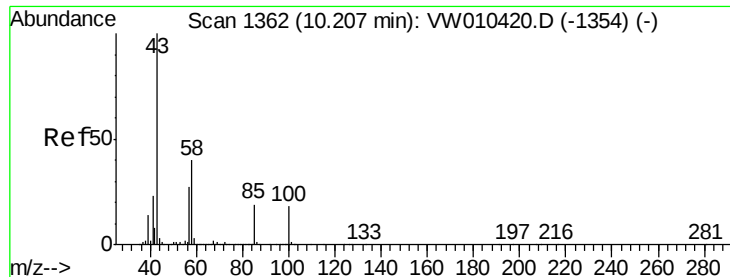
#50
 Toluene-d8
 Concen: 51.284 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion: 98 Resp: 1620799
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 237.867 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

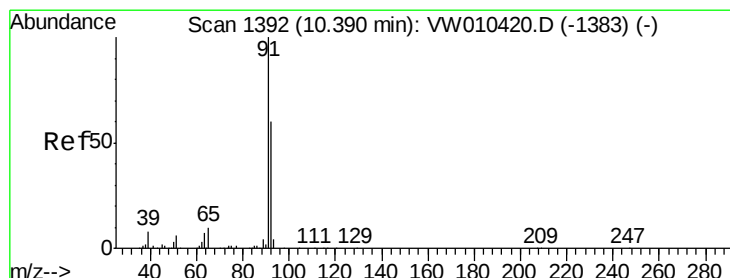
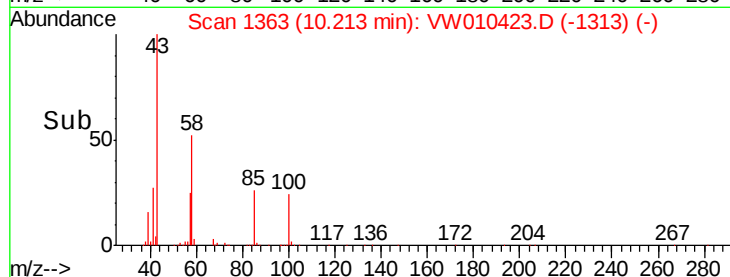
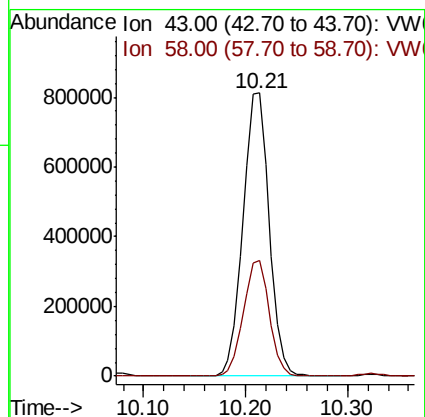
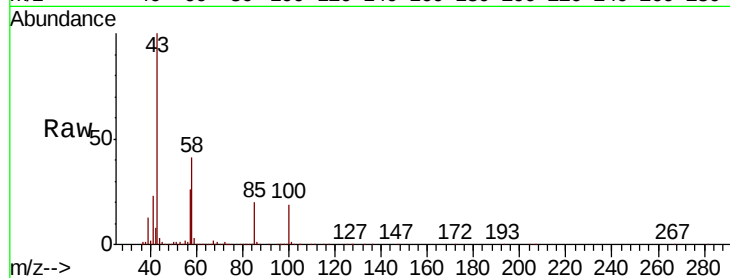
ICVW051719

Tgt Ion: 43 Resp: 1444200

Ion Ratio Lower Upper

43 100

58 40.6 32.7 49.1



#52

Toluene

Concen: 46.304 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010423.D

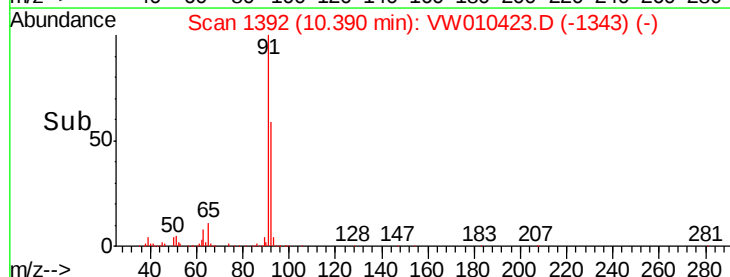
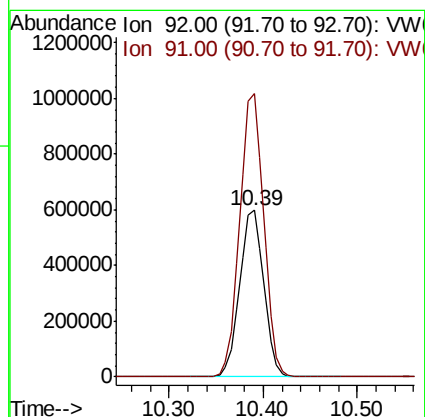
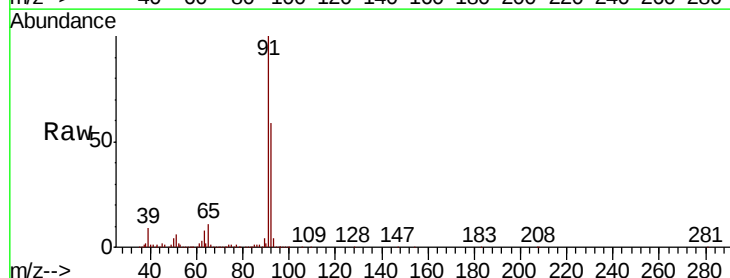
Acq: 17 May 2019 20:08

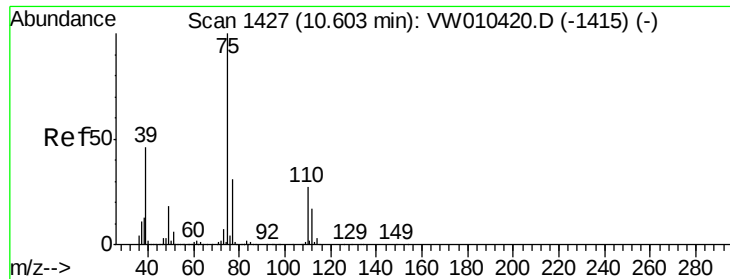
Tgt Ion: 92 Resp: 1066203

Ion Ratio Lower Upper

92 100

91 169.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 47.217 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

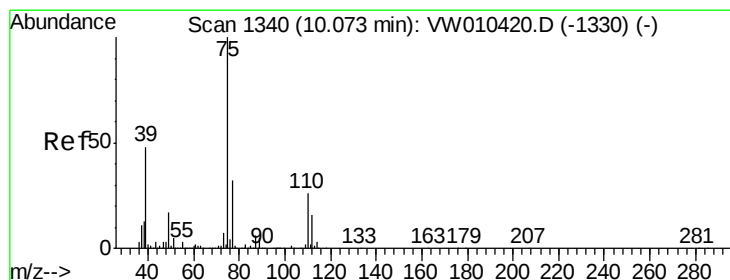
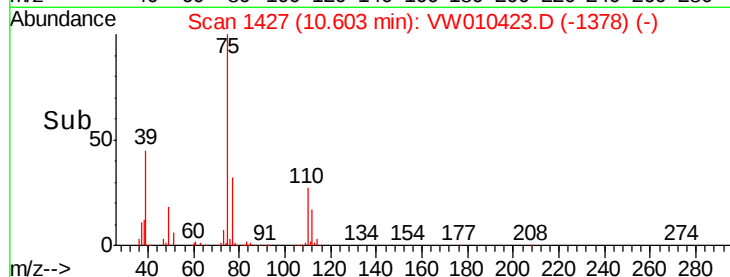
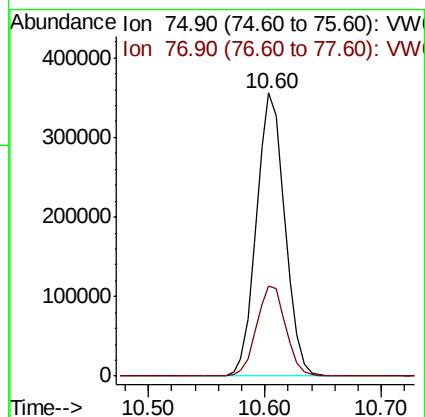
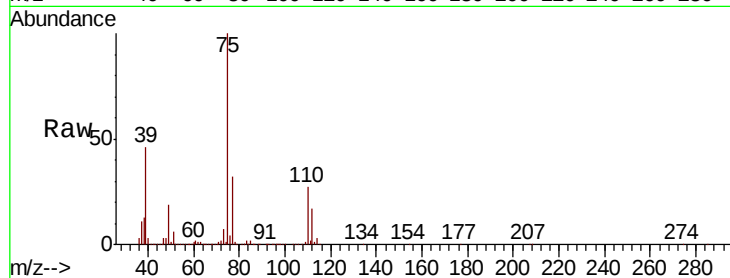
ICVW051719

Tgt Ion: 75 Resp: 606663

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 46.516 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

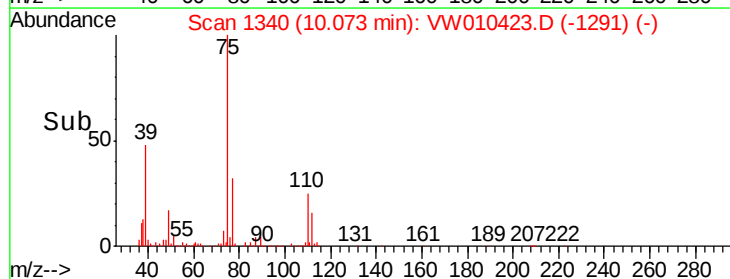
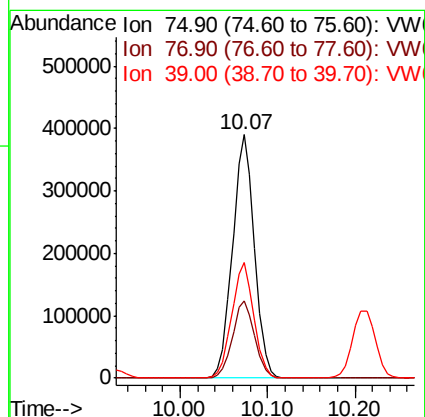
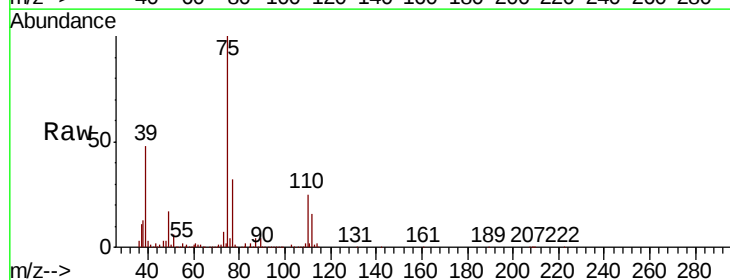
Tgt Ion: 75 Resp: 677561

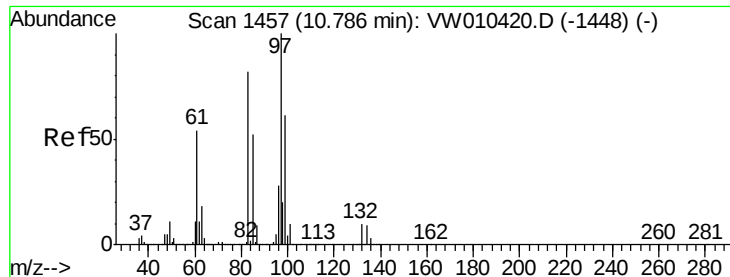
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 47.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 47.756 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tgt Ion: 97 Resp: 345435

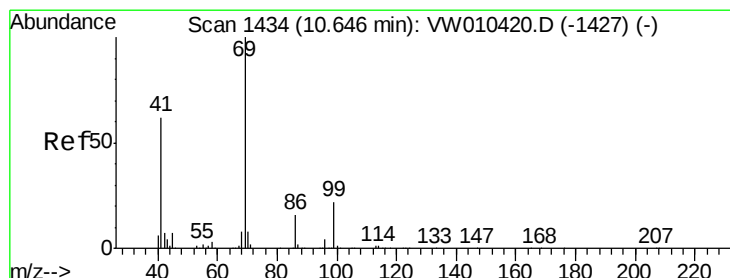
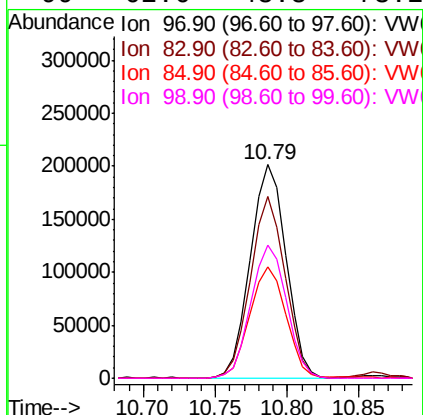
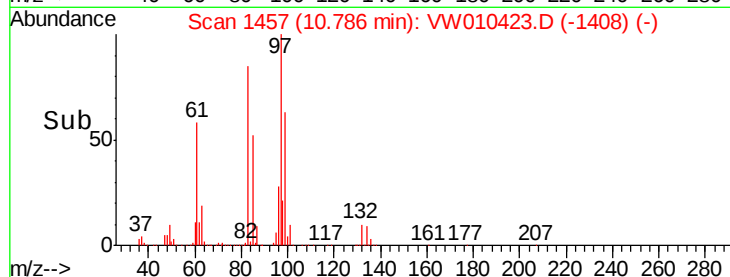
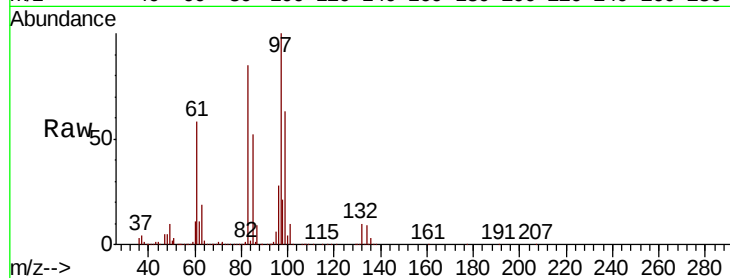
Ion Ratio Lower Upper

97 100

83 85.1 65.6 98.4

85 52.4 41.6 62.4

99 62.6 48.8 73.2



#56

Ethyl methacrylate

Concen: 48.779 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

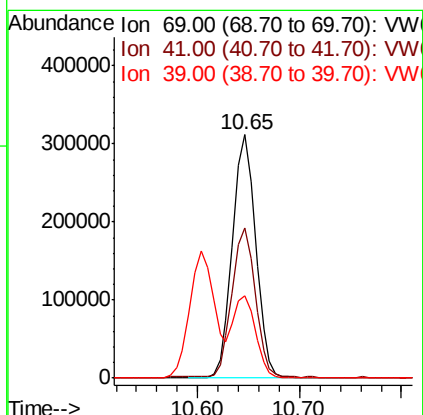
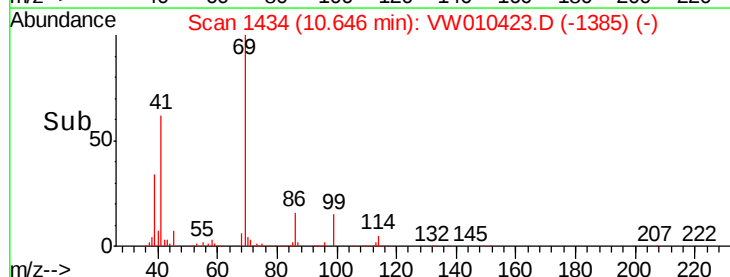
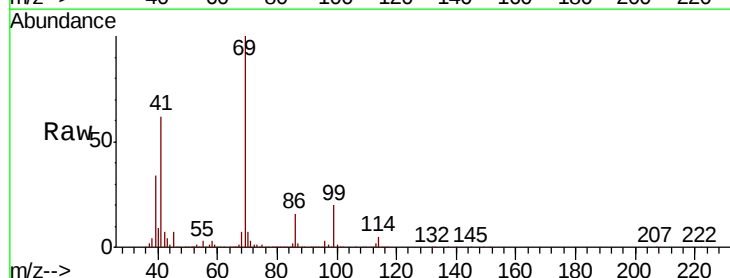
Tgt Ion: 69 Resp: 492339

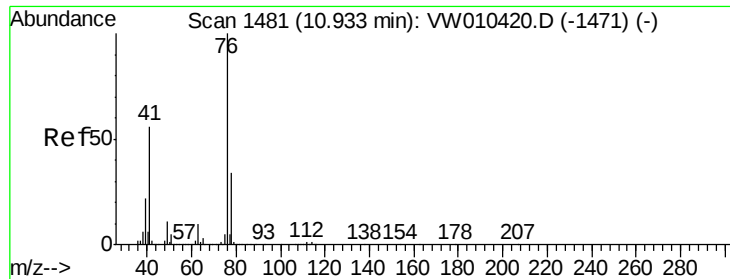
Ion Ratio Lower Upper

69 100

41 61.5 50.0 75.0

39 32.2 26.5 39.7

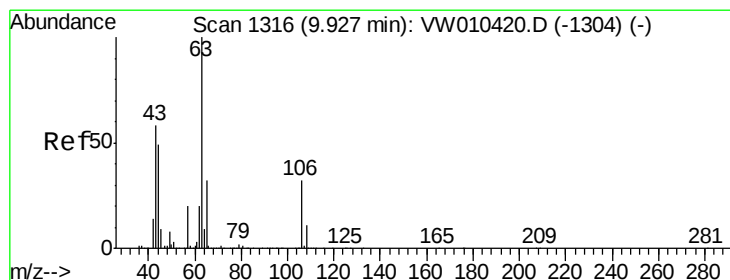
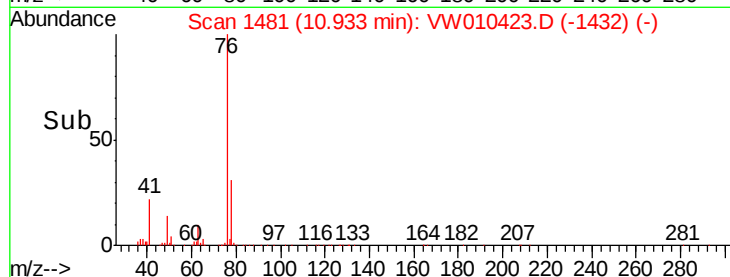
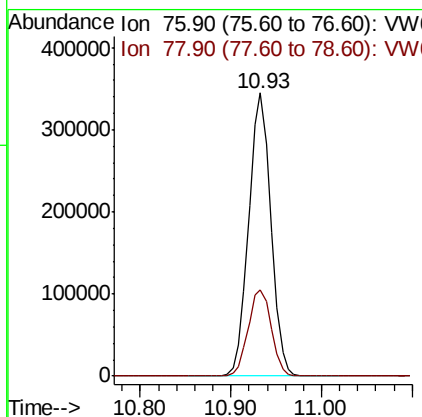
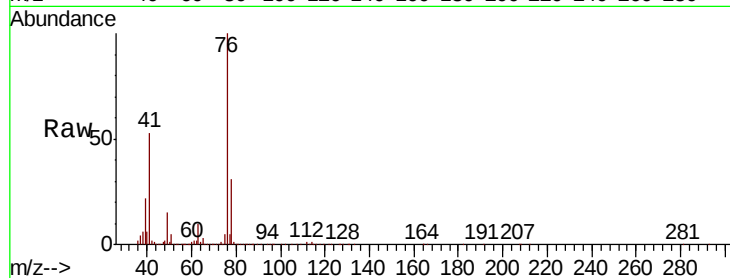




#57
 1,3-Dichloropropane
 Concen: 48.125 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

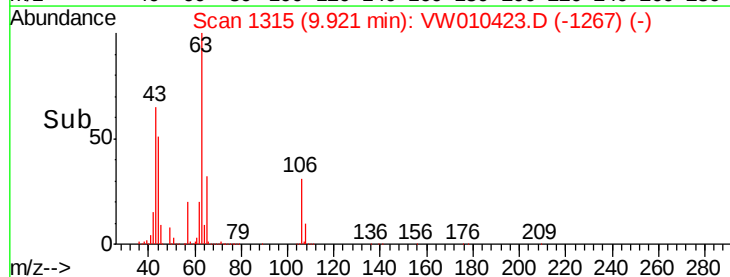
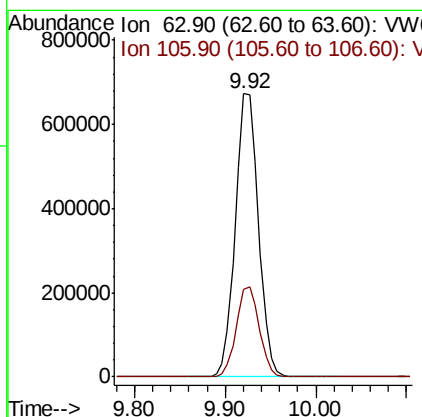
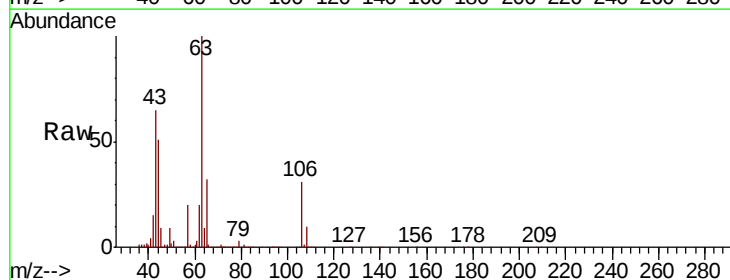
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

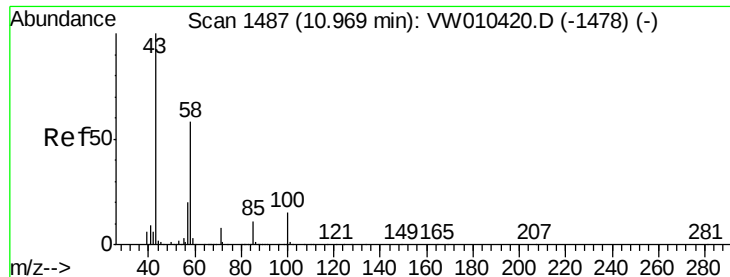
Tgt Ion: 76 Resp: 583553
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.250 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion: 63 Resp: 1189405
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.2 37.8

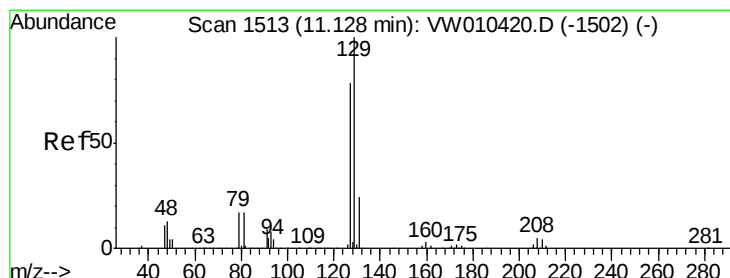
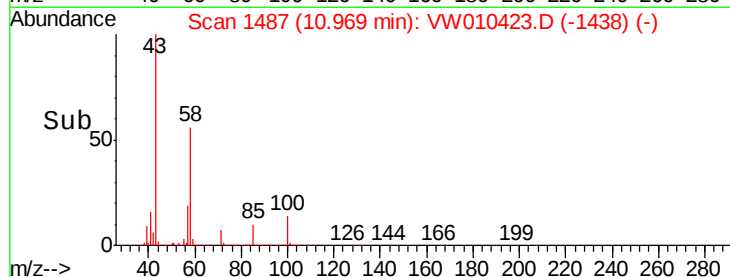
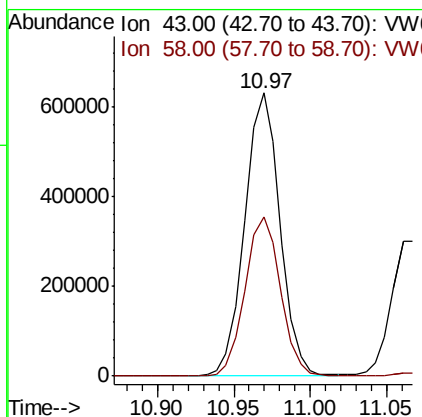
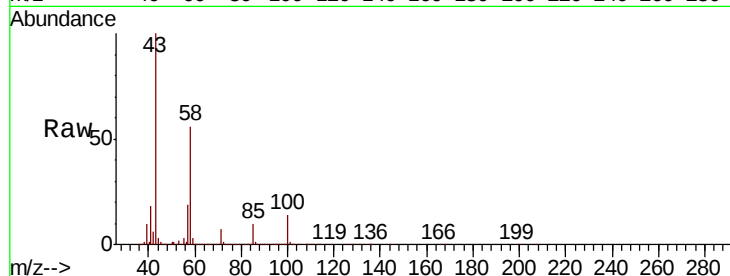




#59
2-Hexanone
Concen: 237.988 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

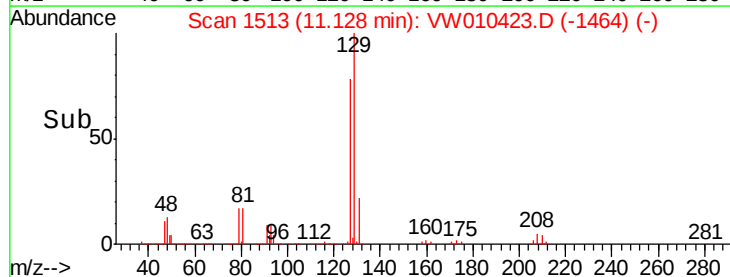
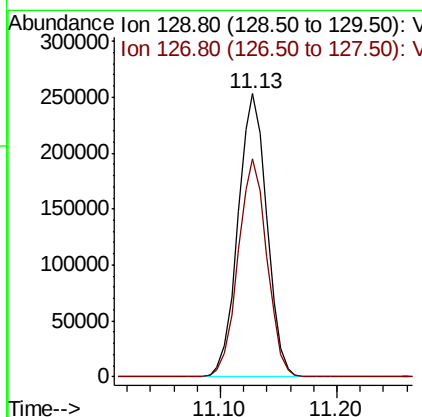
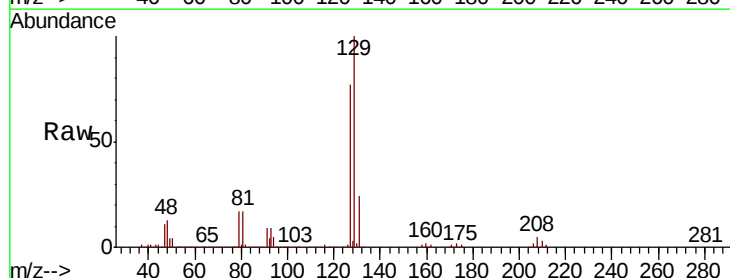
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

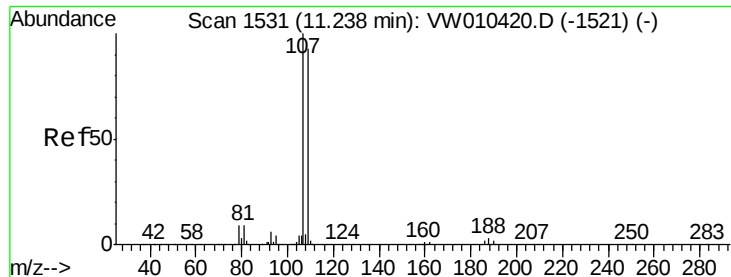
Tgt Ion: 43 Resp: 1006163
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.6



#60
Dibromochloromethane
Concen: 48.745 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 129 Resp: 437536
Ion Ratio Lower Upper
129 100
127 76.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.047 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

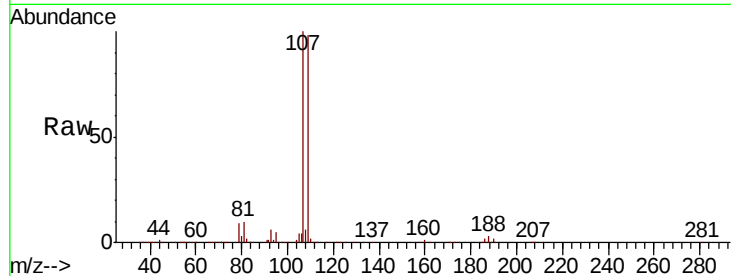
ICVW051719

Tgt Ion: 107 Resp: 344897

Ion Ratio Lower Upper

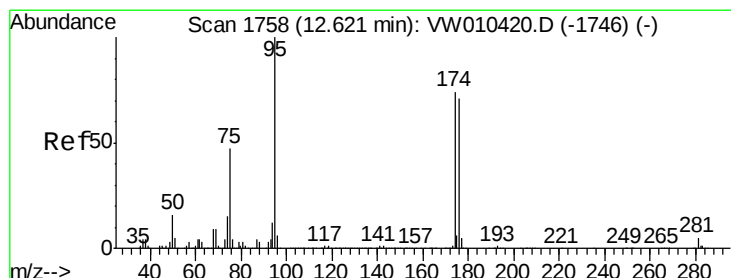
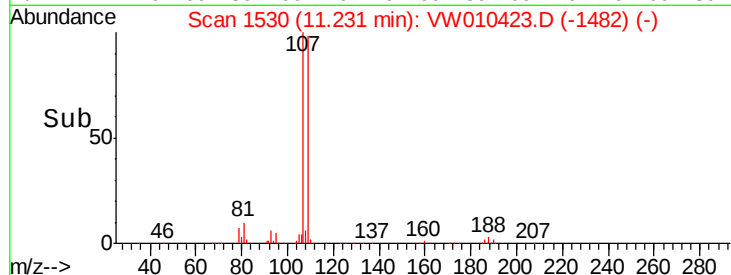
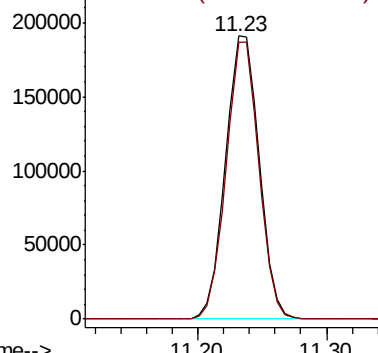
107 100

109 95.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.910 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

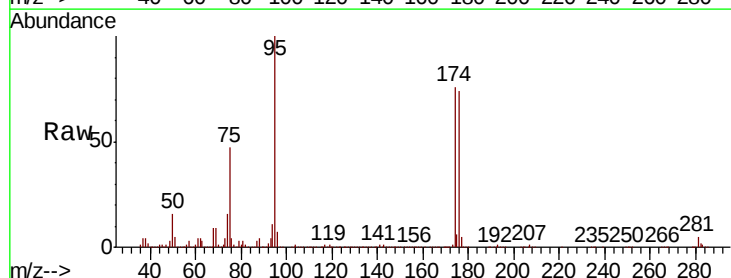
Tgt Ion: 95 Resp: 631698

Ion Ratio Lower Upper

95 100

174 73.2 0.0 146.6

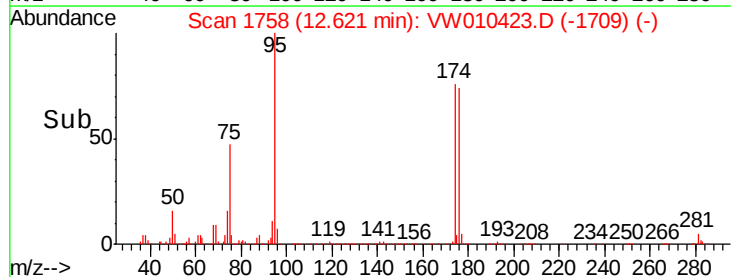
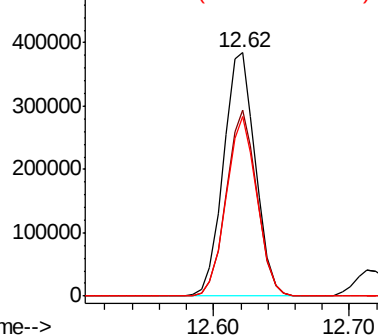
176 71.2 0.0 141.4

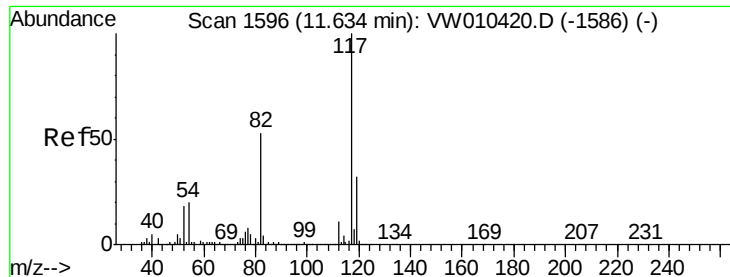


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

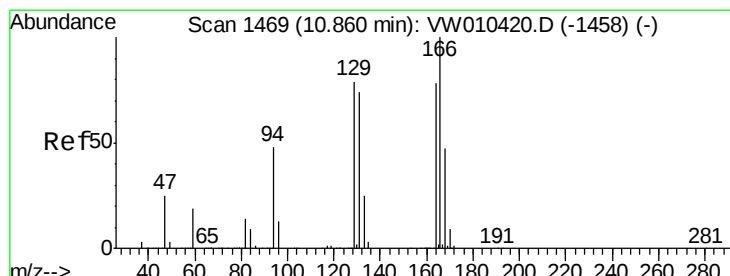
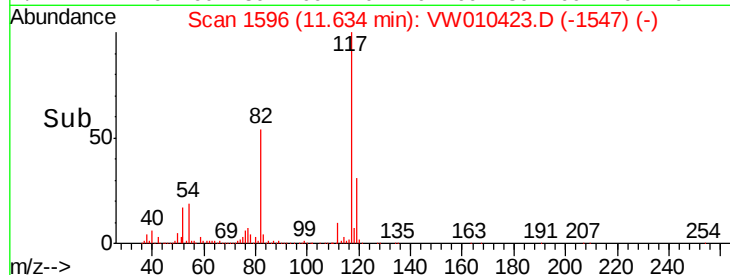
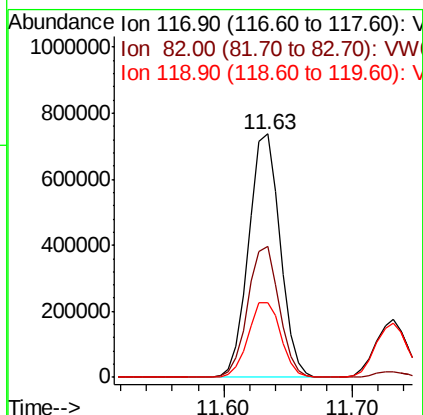
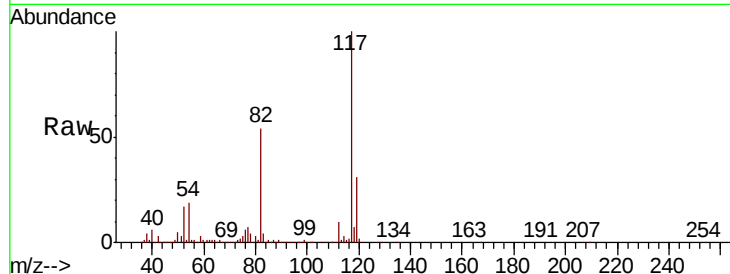




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

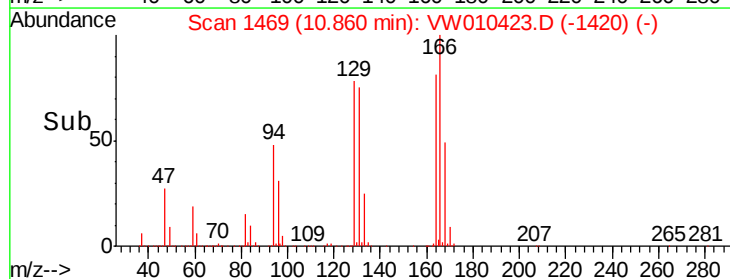
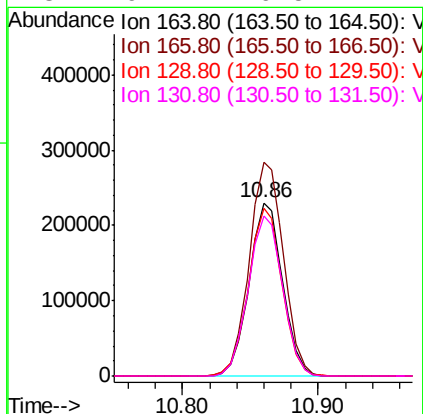
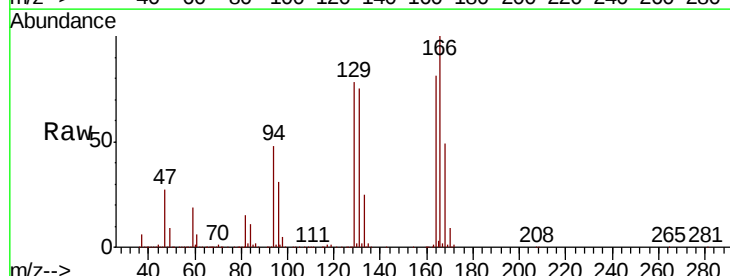
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

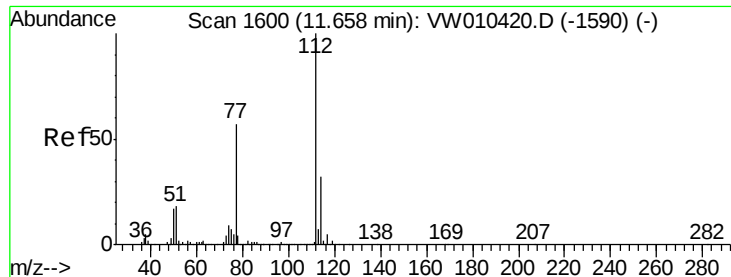
Tgt Ion:117 Resp: 1236605
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 30.8 25.6 38.4



#64
Tetrachloroethene
Concen: 48.630 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:164 Resp: 395547
Ion Ratio Lower Upper
164 100
166 123.2 103.2 154.8
129 96.5 81.6 122.4
131 92.7 76.5 114.7

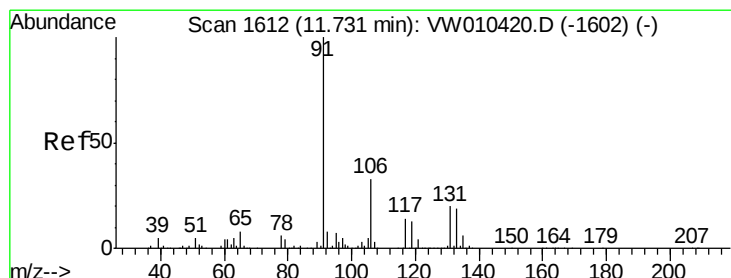
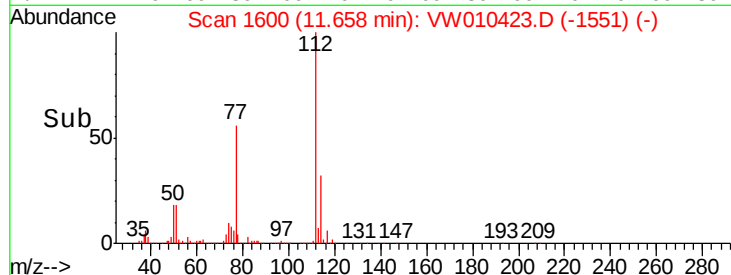
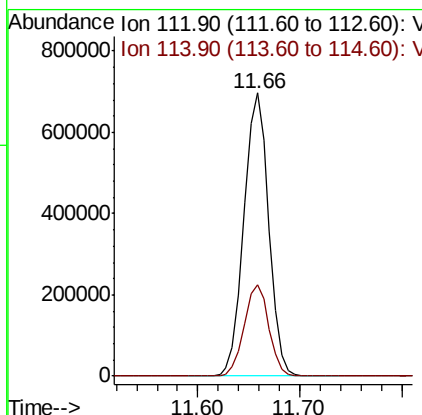
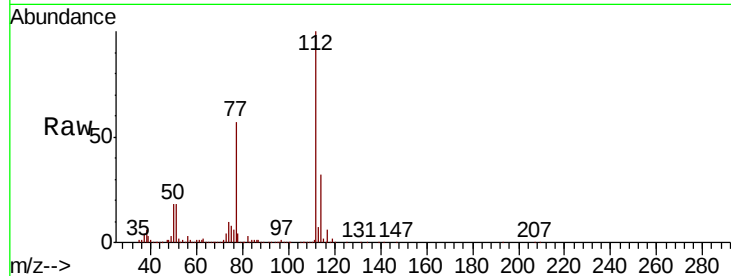




#65
Chlorobenzene
Concen: 46.807 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

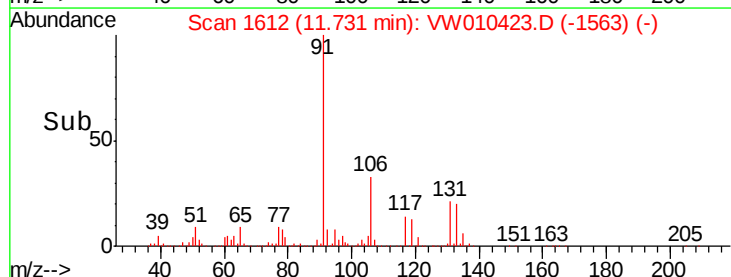
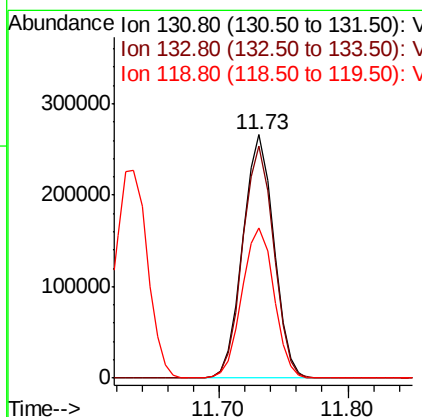
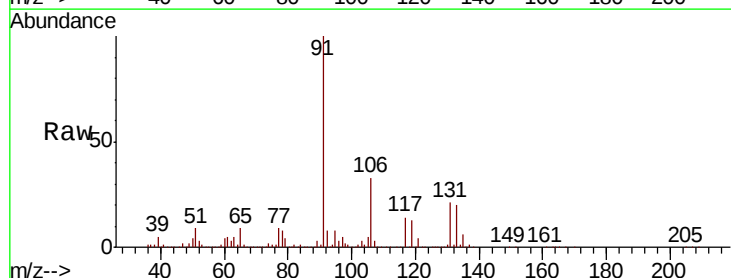
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

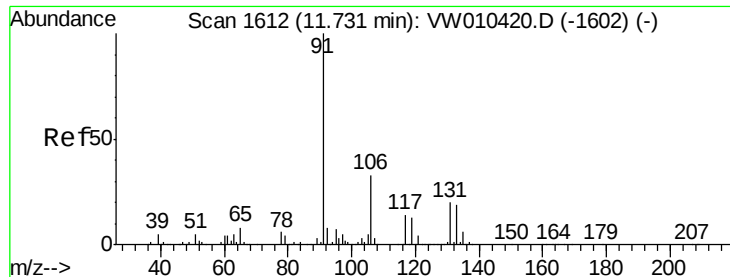
Tgt Ion:112 Resp: 1175372
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.737 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:131 Resp: 442667
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.8
119 63.6 32.4 97.0

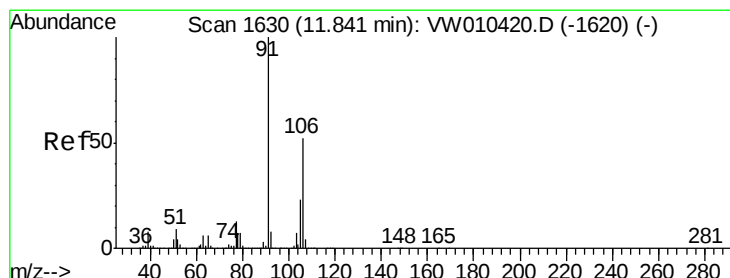
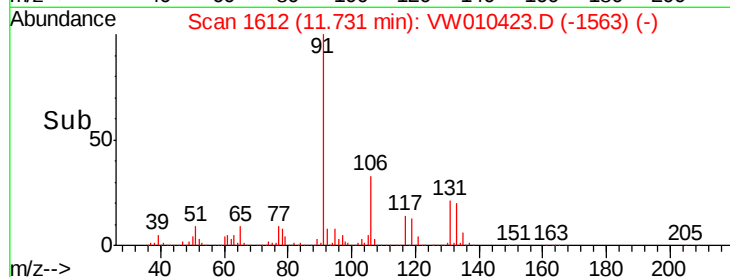
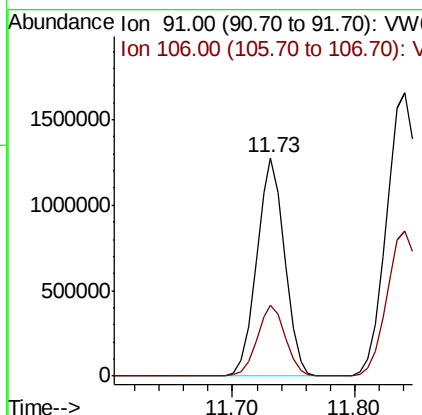
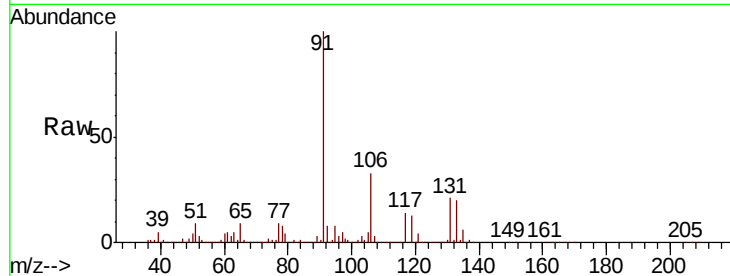




#67
Ethyl Benzene
Concen: 45.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

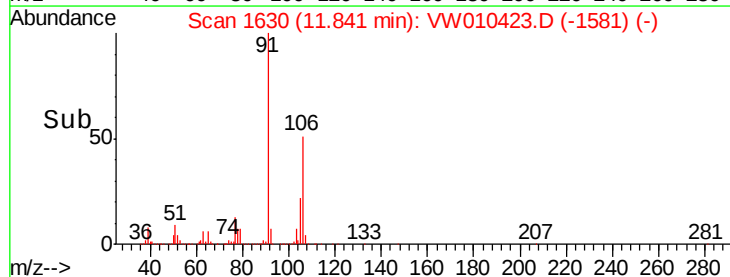
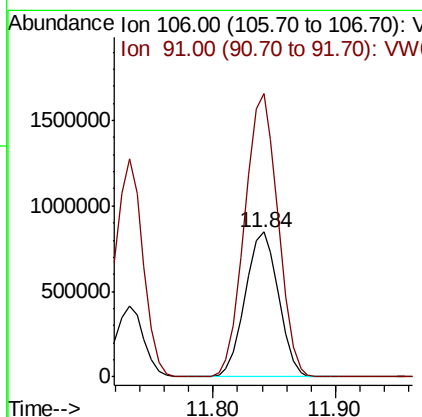
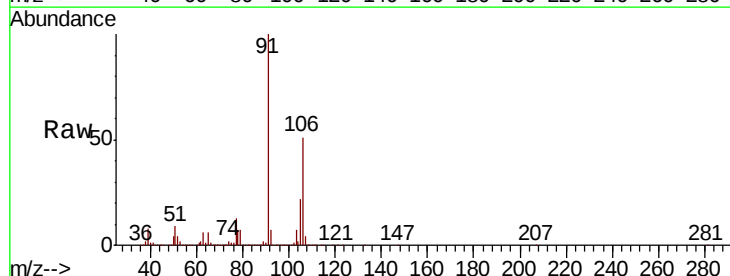
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

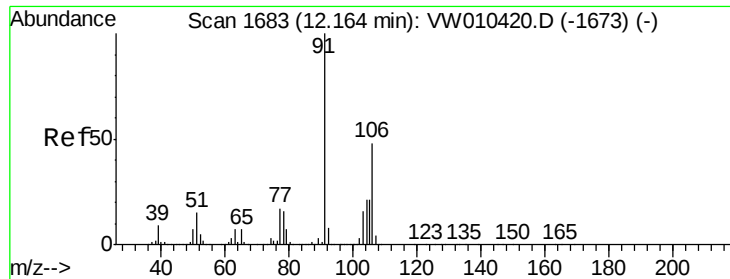
Tgt Ion: 91 Resp: 202597
Ion Ratio Lower Upper
91 100
106 32.6 26.5 39.7



#68
m/p-Xylenes
Concen: 92.587 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 106 Resp: 1602925
Ion Ratio Lower Upper
106 100
91 195.7 156.2 234.2

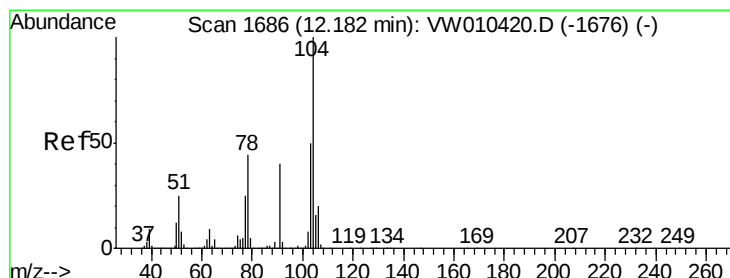
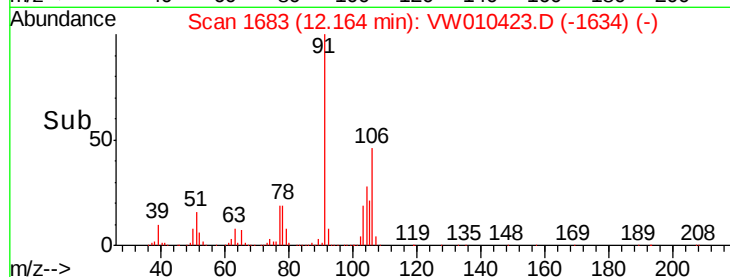
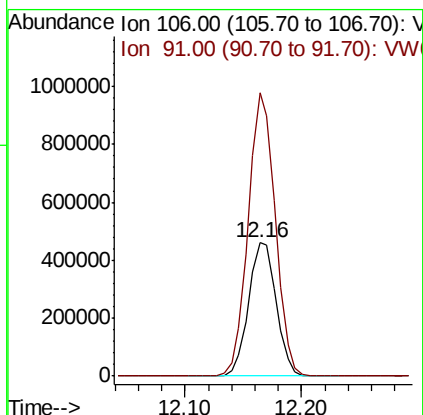
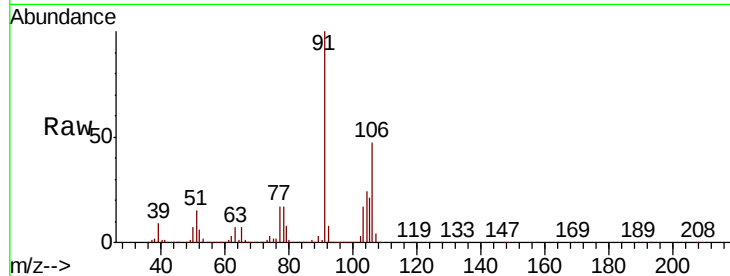




#69
o-Xylene
Concen: 46.418 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

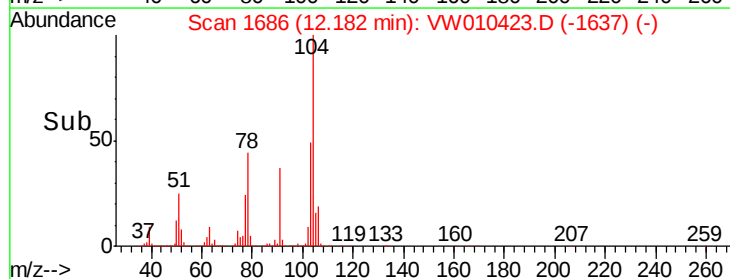
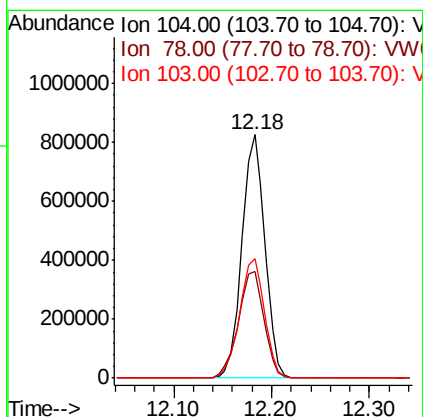
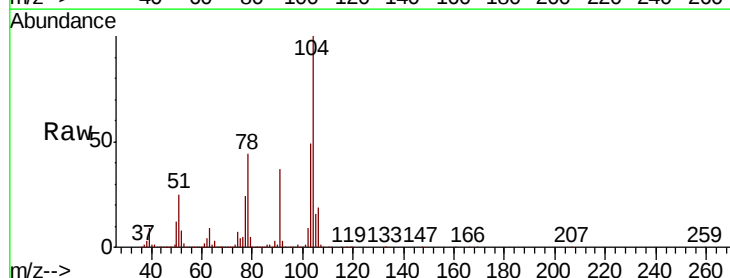
Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

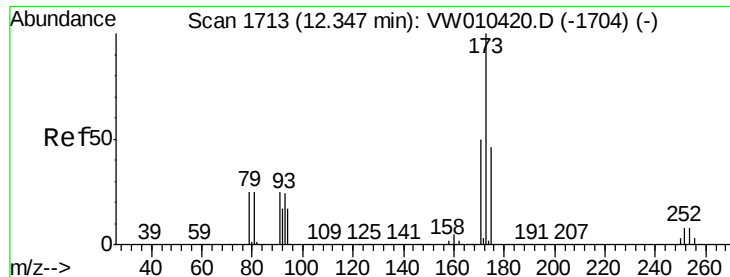
Tgt Ion:106 Resp: 766053
Ion Ratio Lower Upper
106 100
91 207.3 102.5 307.5



#70
Styrene
Concen: 47.373 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:104 Resp: 1346155
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.0
103 53.2 43.4 65.0





#71

Bromoform

Concen: 48.913 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

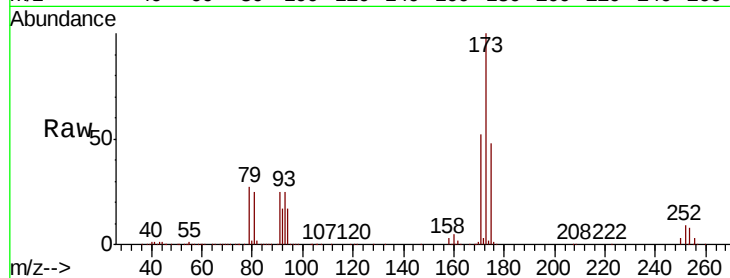
Tgt Ion:173 Resp: 255561

Ion Ratio Lower Upper

173 100

175 46.9 23.8 71.2

254 0.1 0.2 0.2#

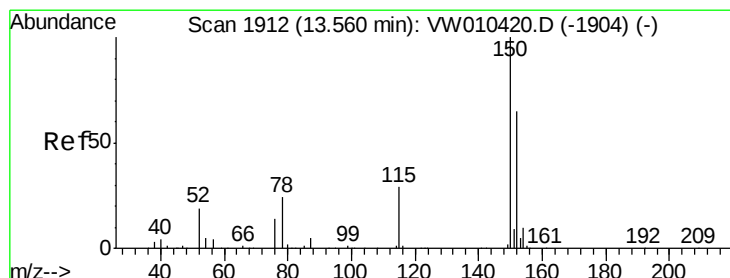
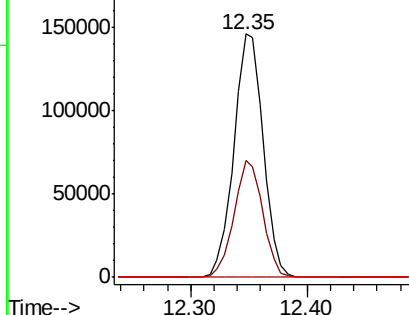
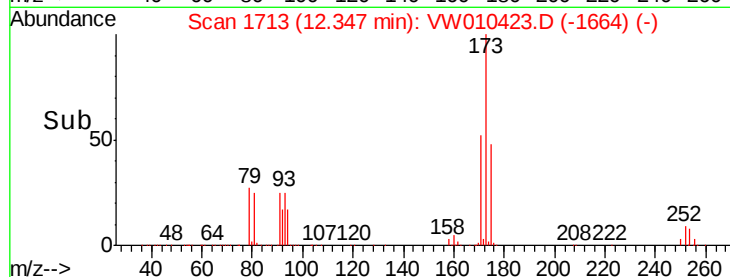


Abundance

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

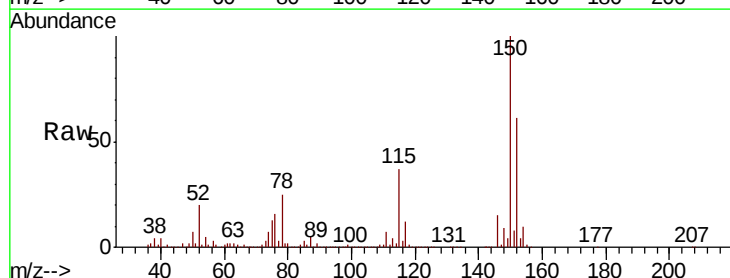
Tgt Ion:152 Resp: 597345

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.1

150 174.1 0.0 350.2

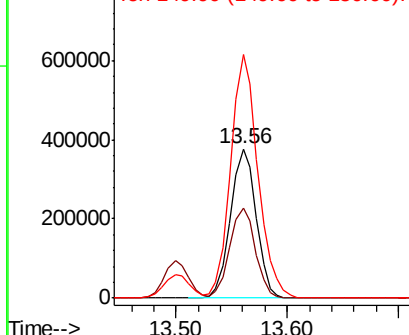
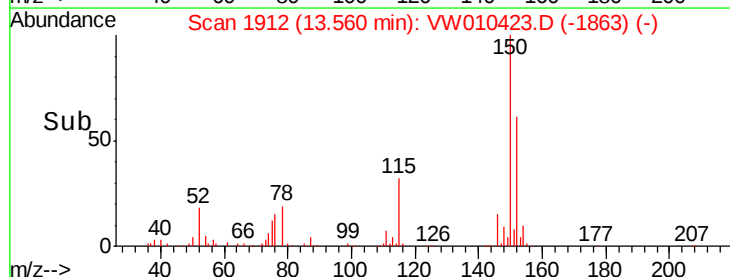


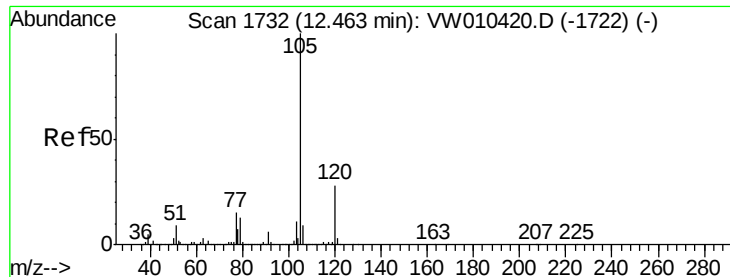
Abundance

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: 44.572 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampled :

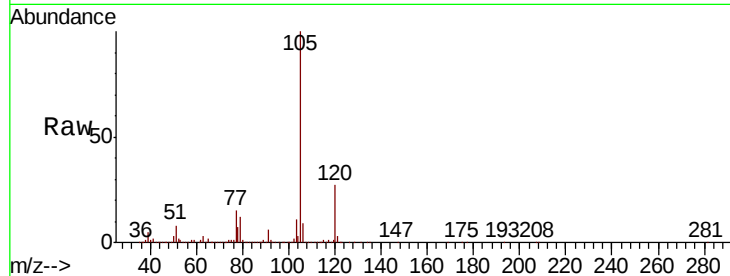
ICVW051719

Tgt Ion:105 Resp: 2058787

Ion Ratio Lower Upper

105 100

120 27.4 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

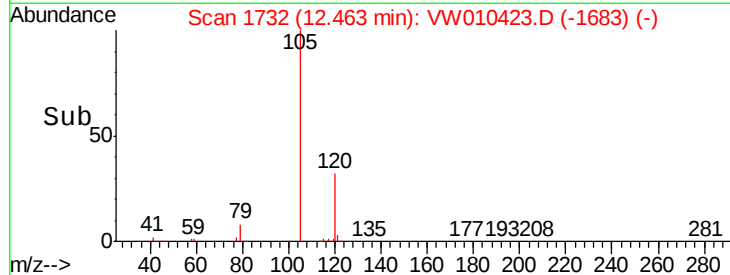
1000000

500000

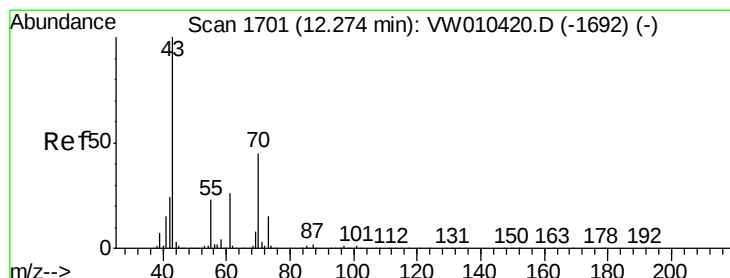
0

12.46

12.40 12.50



Time-->



#74

N-ethyl acetate

Concen: 45.784 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 43 Resp: 541942

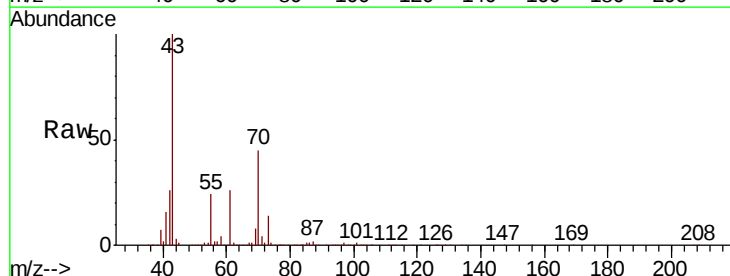
Ion Ratio Lower Upper

43 100

70 45.3 36.4 54.6

55 24.2 19.0 28.6

61 25.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

500000

400000

300000

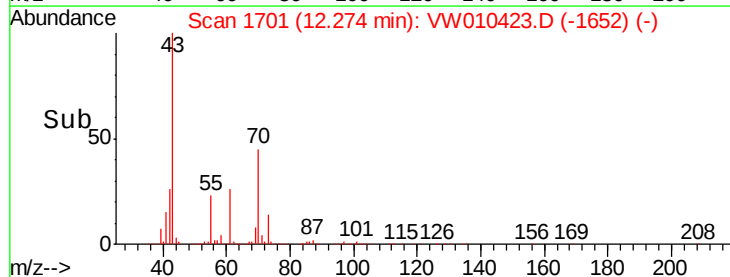
200000

100000

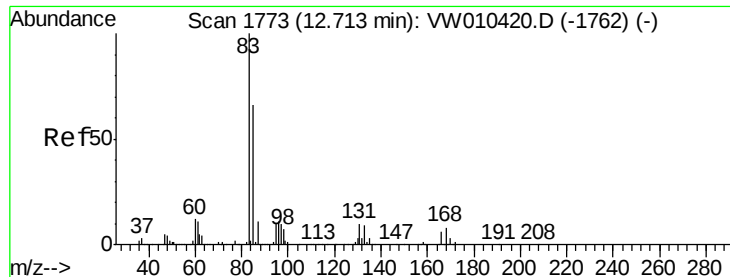
0

12.27

12.20 12.30



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 45.662 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

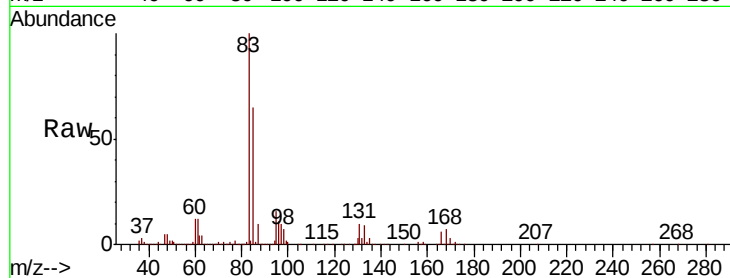
Tgt Ion: 83 Resp: 417714

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

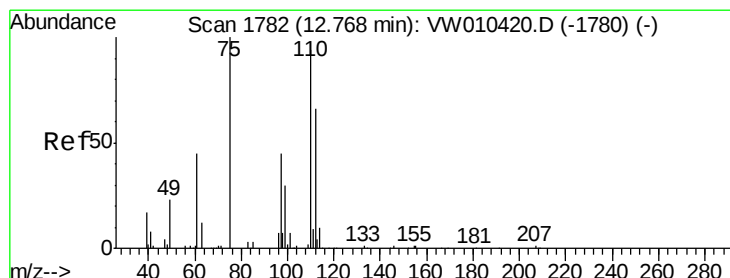
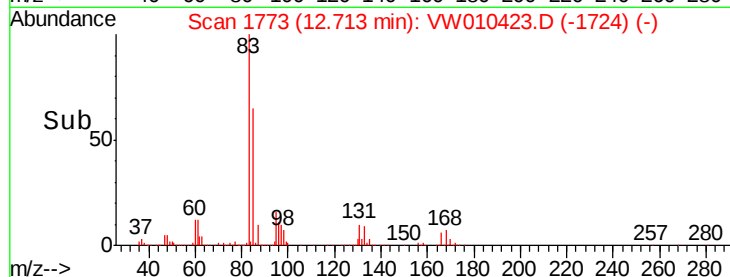
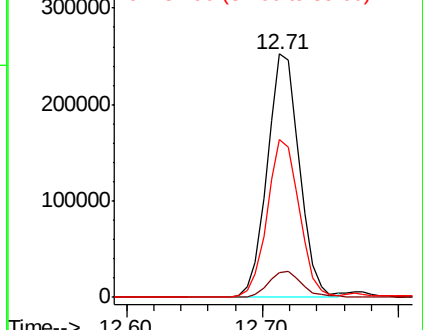
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 82.650 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010423.D

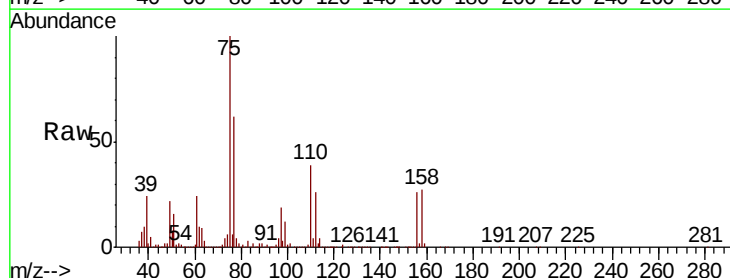
Acq: 17 May 2019 20:08

Tgt Ion: 75 Resp: 528670

Ion Ratio Lower Upper

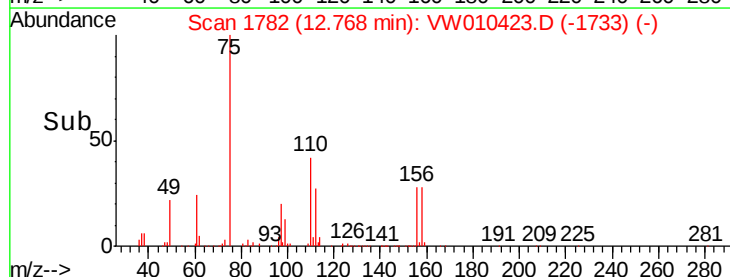
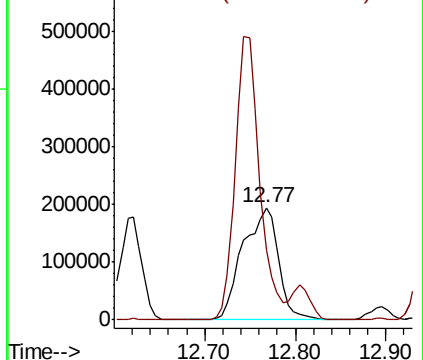
75 100

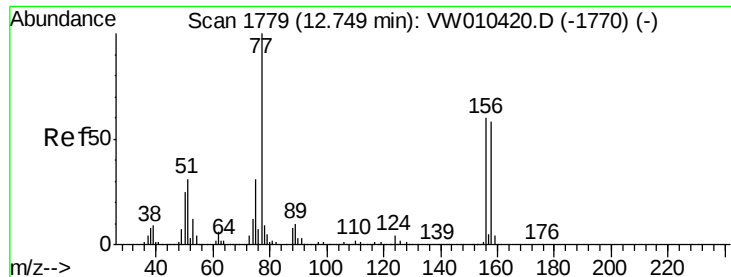
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.421 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

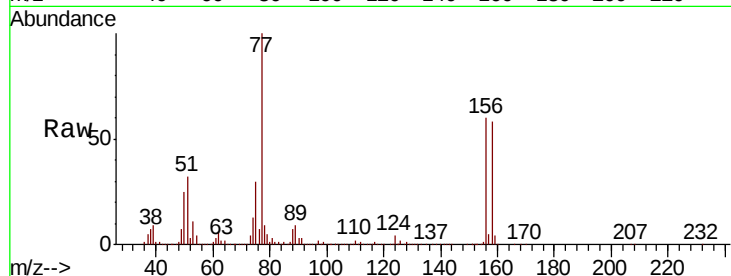
Tgt Ion:156 Resp: 484372

Ion Ratio Lower Upper

156 100

77 189.7 95.7 286.9

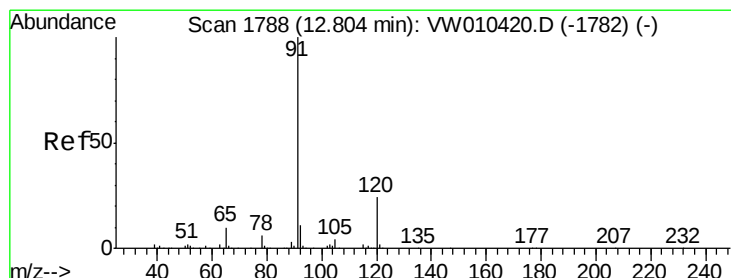
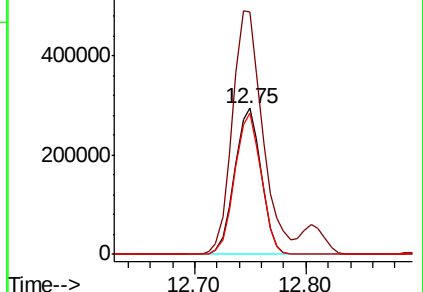
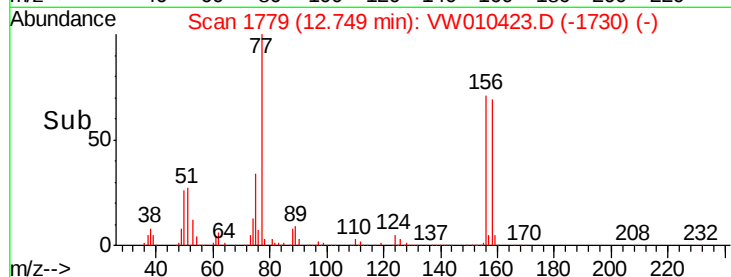
158 96.4 48.9 146.7



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: 44.485 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010423.D

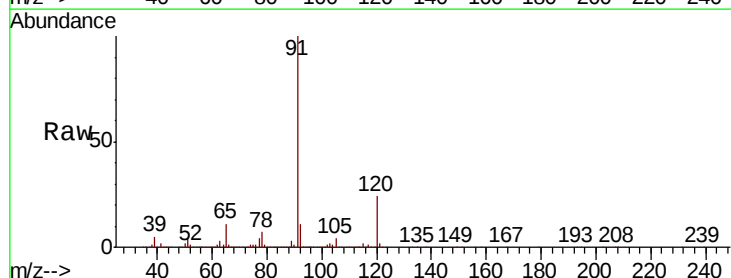
Acq: 17 May 2019 20:08

Tgt Ion: 91 Resp: 2383473

Ion Ratio Lower Upper

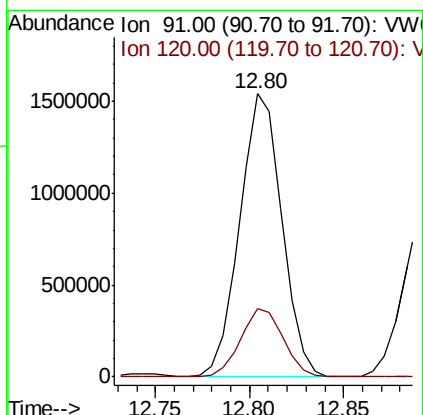
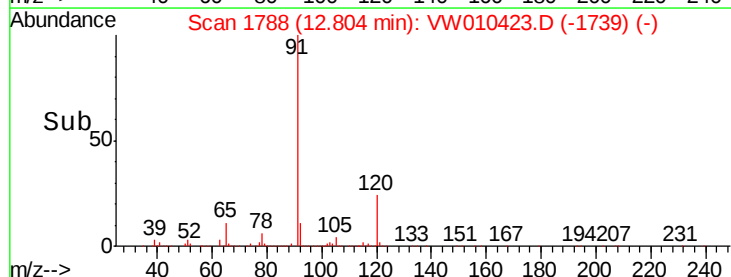
91 100

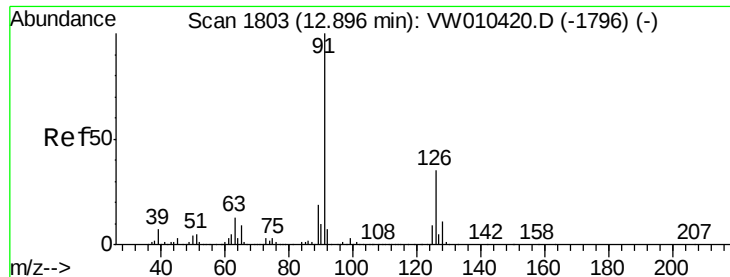
120 24.4 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

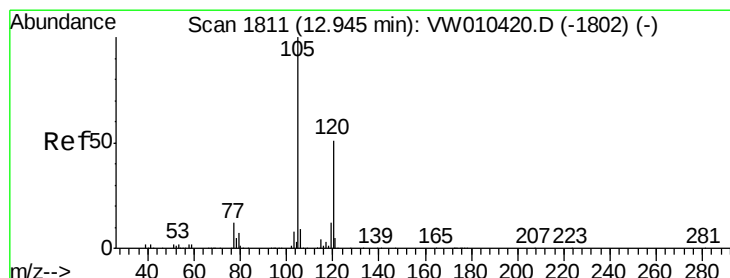
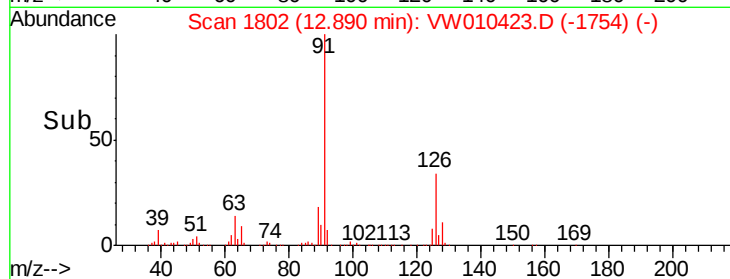
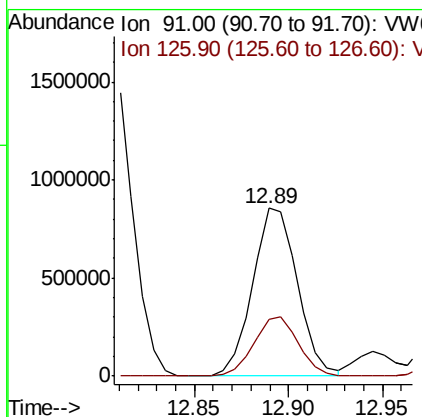
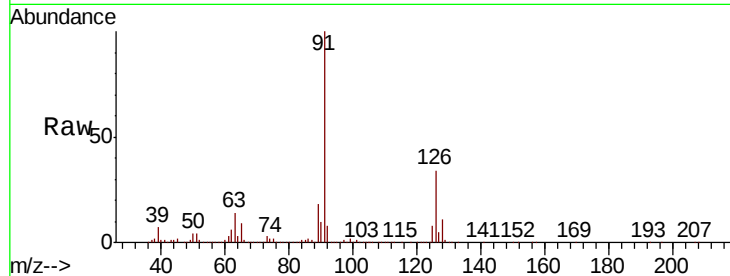




#79
 2-Chlorotoluene
 Concen: 45.284 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

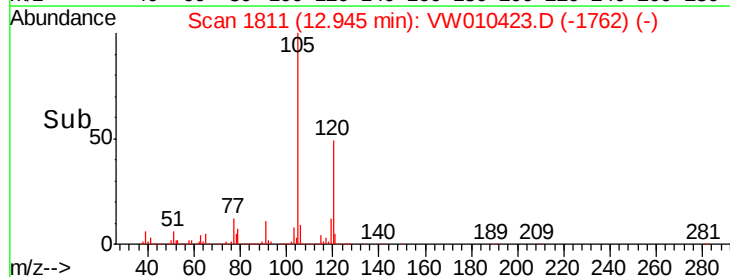
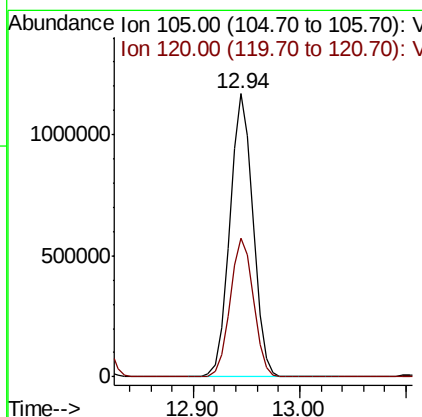
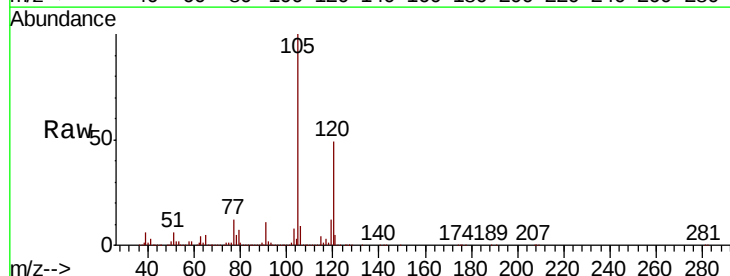
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

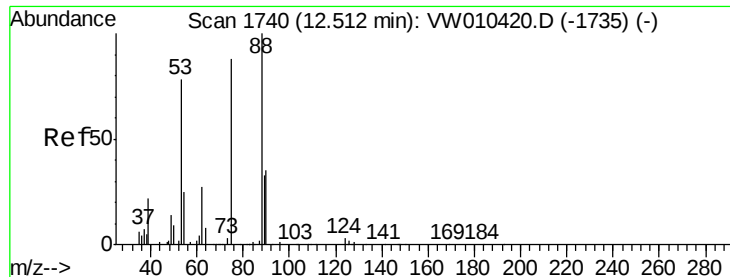
Tgt Ion: 91 Resp: 1416844
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 45.291 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion: 105 Resp: 1780645
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.970 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

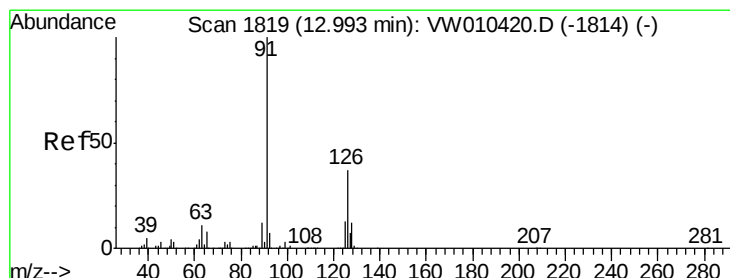
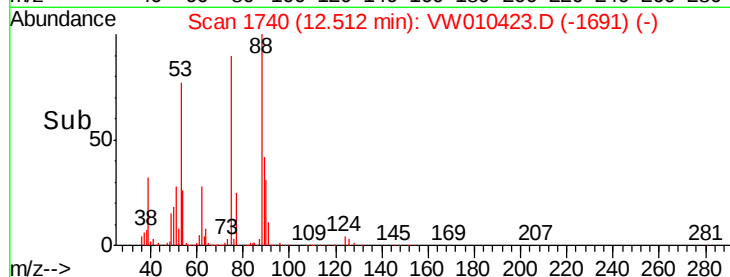
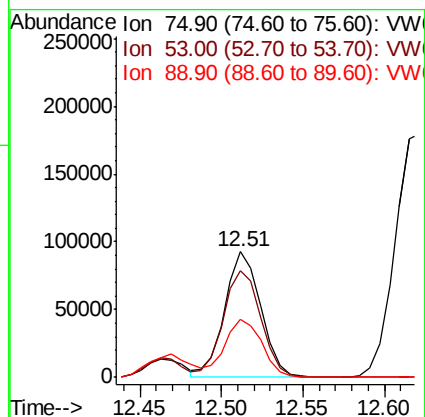
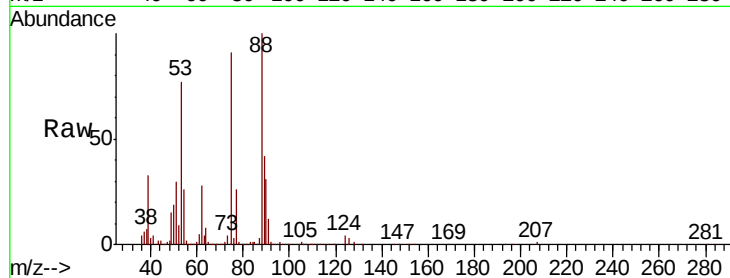
Tgt Ion: 75 Resp: 142529

Ion Ratio Lower Upper

75 100

53 88.7 70.7 106.1

89 47.6 38.6 58.0



#82

4-Chlorotoluene

Concen: 45.337 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010423.D

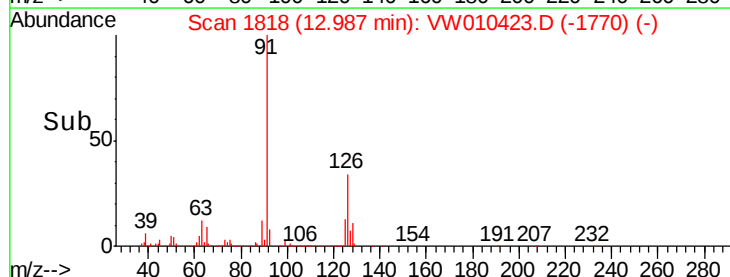
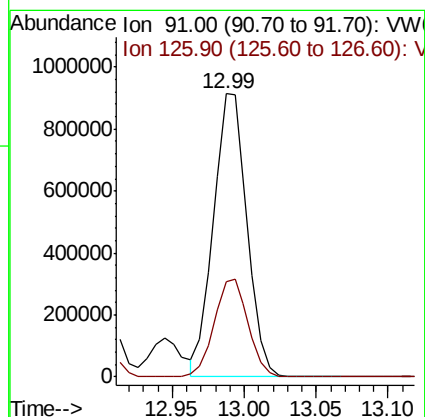
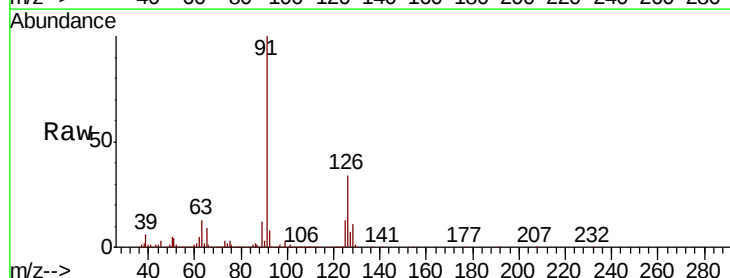
Acq: 17 May 2019 20:08

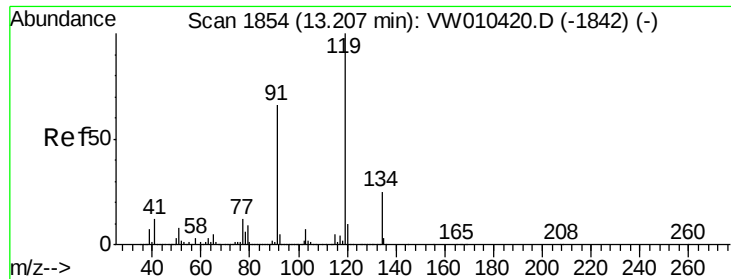
Tgt Ion: 91 Resp: 1481457

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2

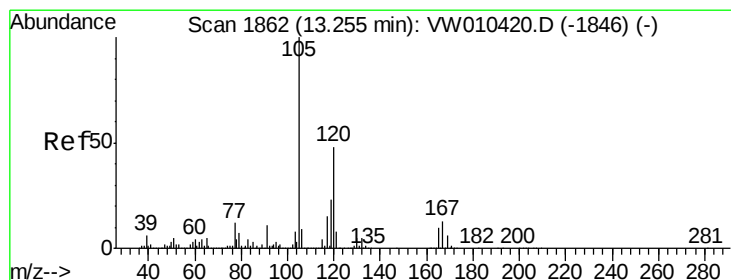
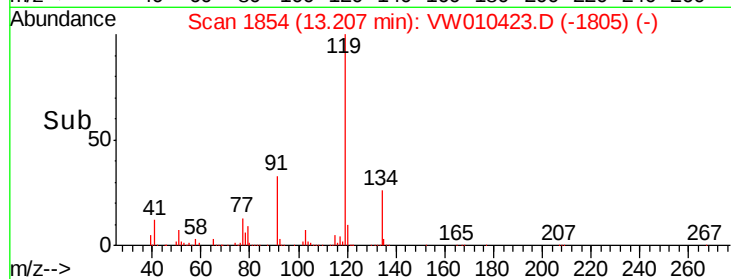
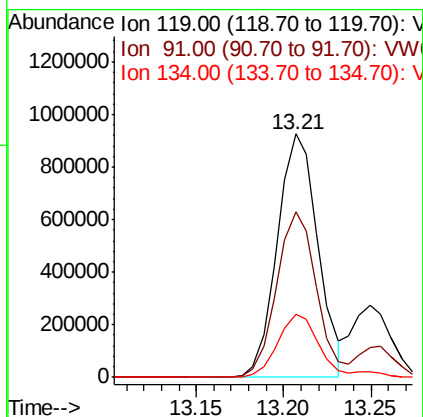
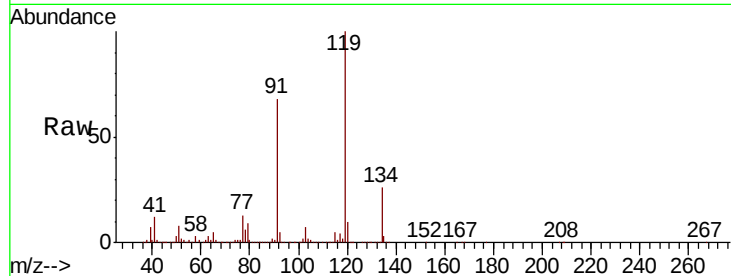




#83
 tert-Butylbenzene
 Concen: 45.225 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

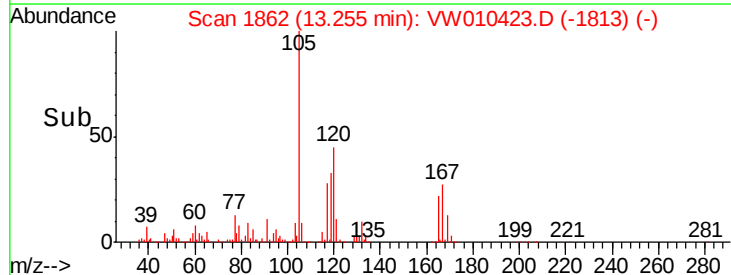
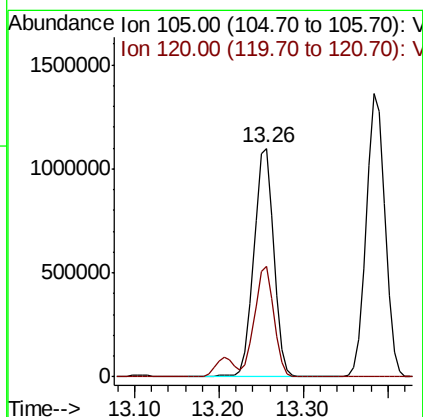
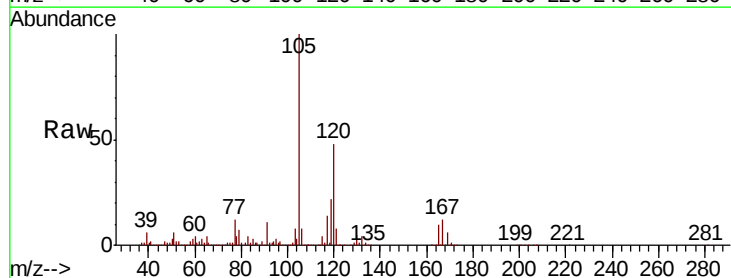
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

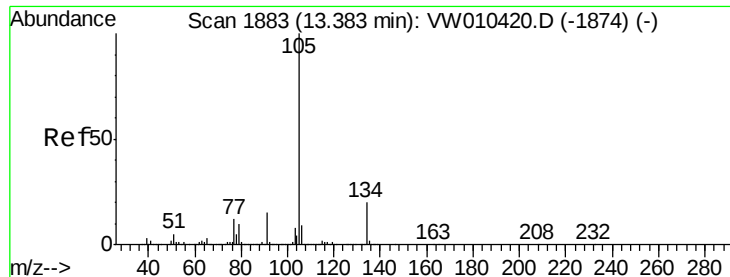
Tgt Ion:119 Resp: 1503703
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.5 100.5
 134 27.6 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 45.448 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion:105 Resp: 1757909
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0

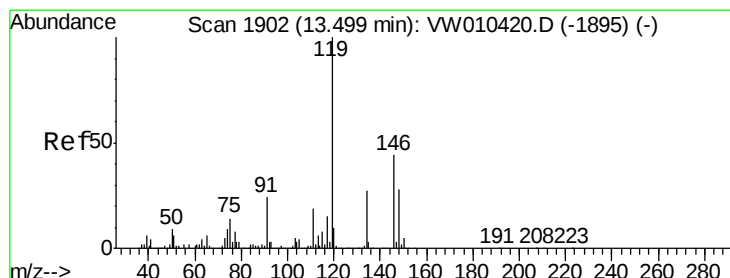
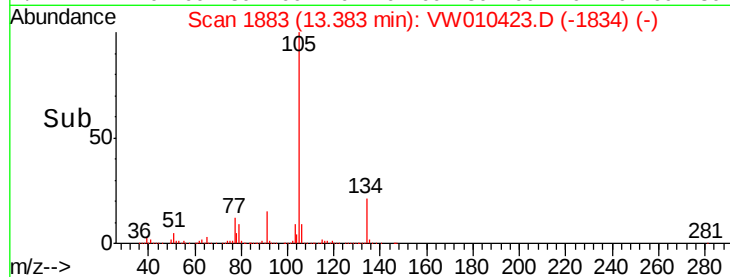
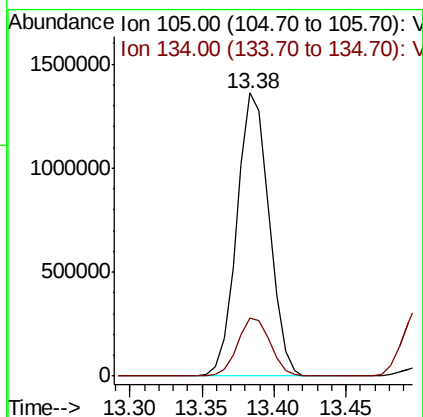
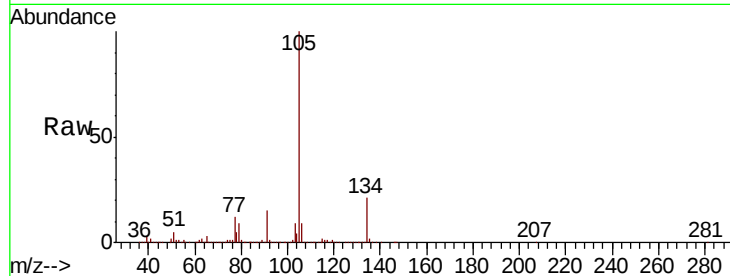




#85
 sec-Butylbenzene
 Concen: 45.195 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

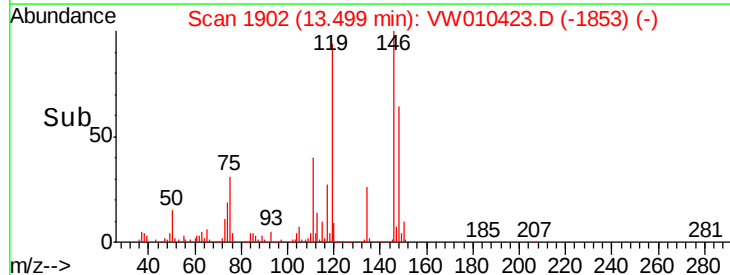
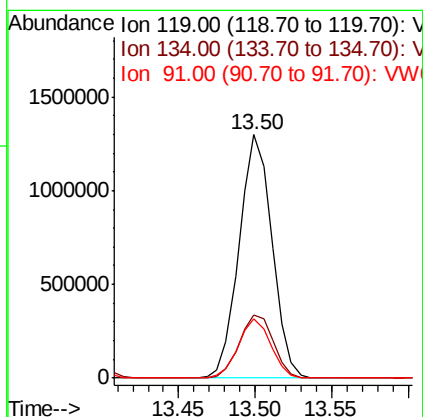
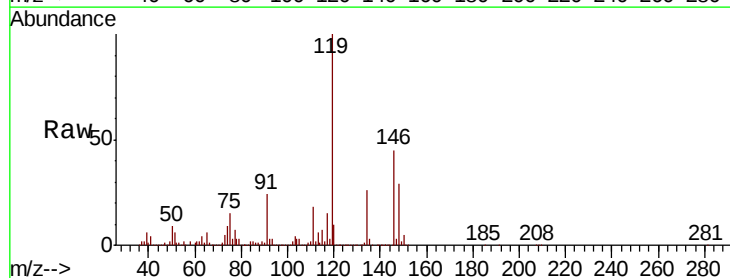
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

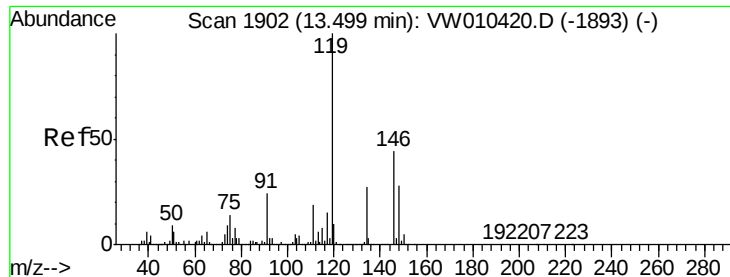
Tgt Ion:105 Resp: 2116018
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 45.847 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion:119 Resp: 1939171
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.7 41.0
 91 24.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 46.877 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

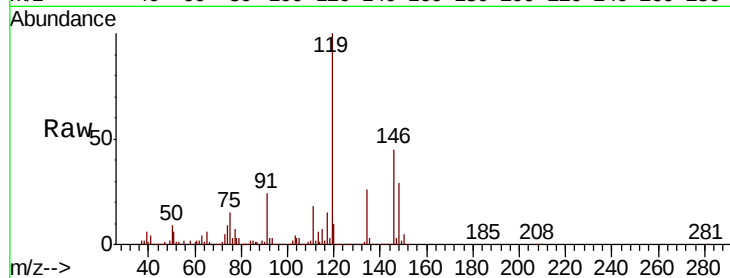
Tgt Ion:146 Resp: 942004

Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.4

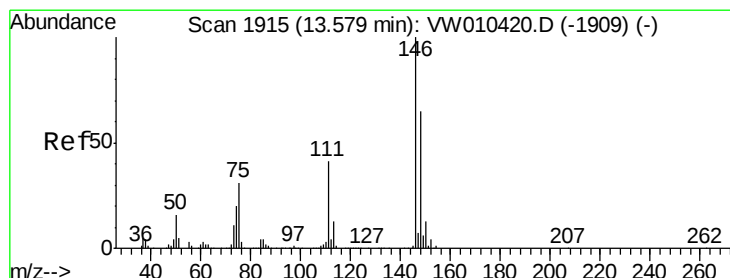
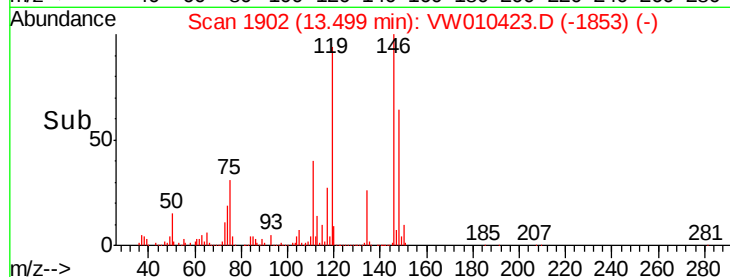
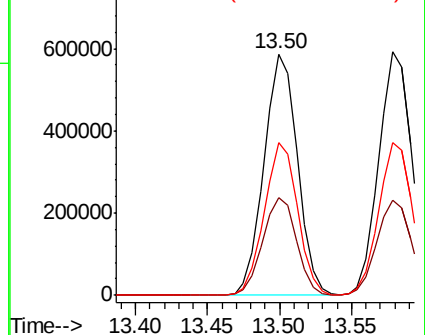
148 63.1 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 47.091 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

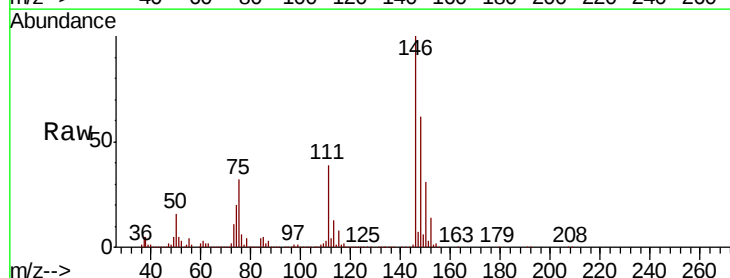
Tgt Ion:146 Resp: 941964

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

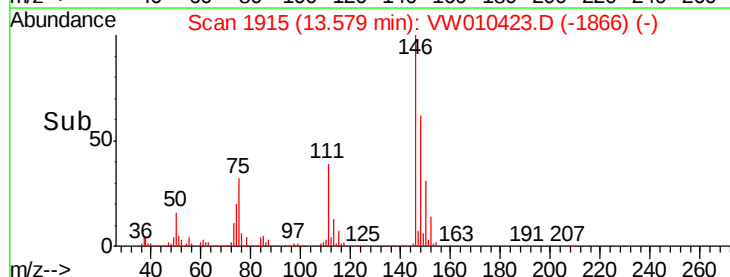
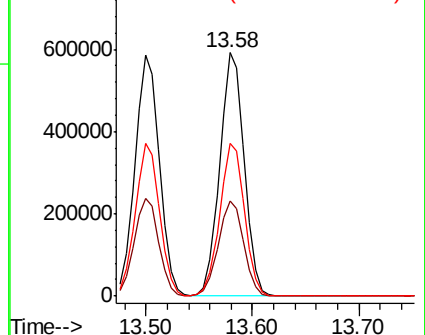
148 63.4 32.3 96.9

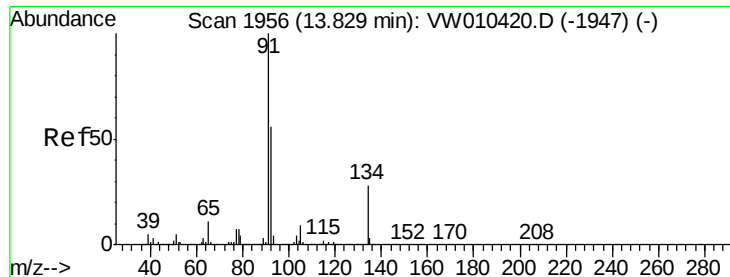


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 45.186 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

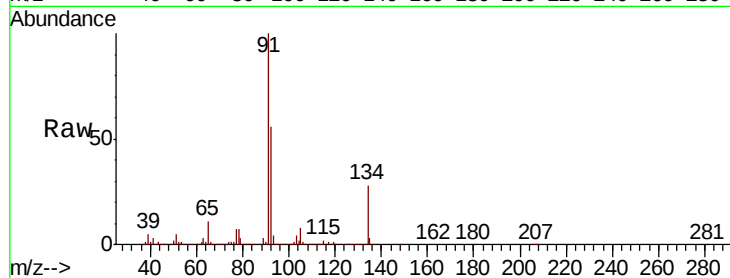
Tgt Ion: 91 Resp: 1823527

Ion Ratio Lower Upper

91 100

92 55.4 27.7 83.0

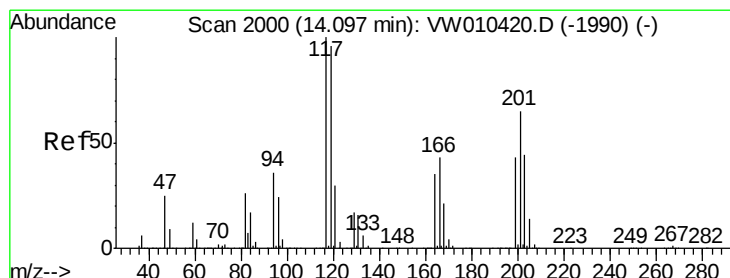
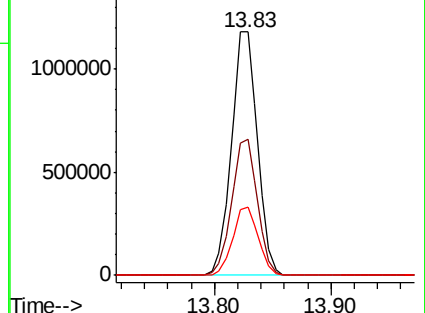
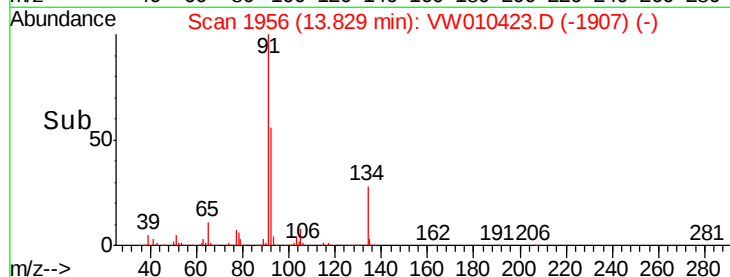
134 27.6 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.709 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010423.D

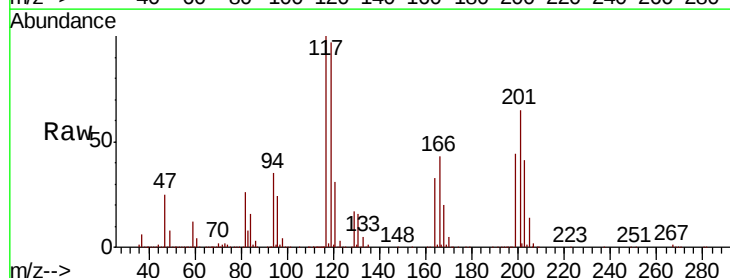
Acq: 17 May 2019 20:08

Tgt Ion: 117 Resp: 388907

Ion Ratio Lower Upper

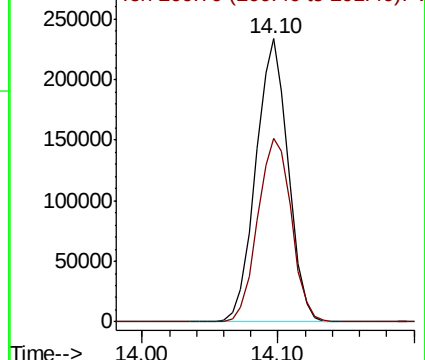
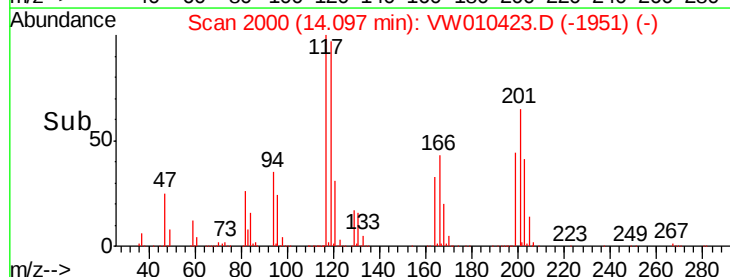
117 100

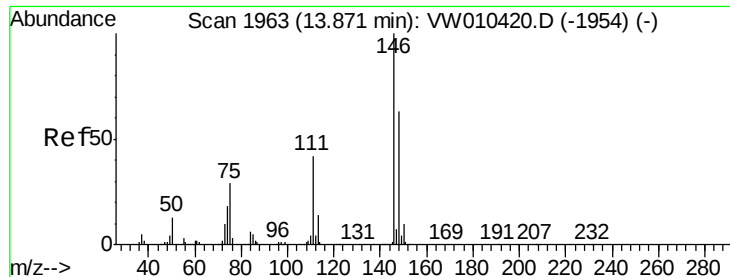
201 67.6 33.8 101.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 47.382 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

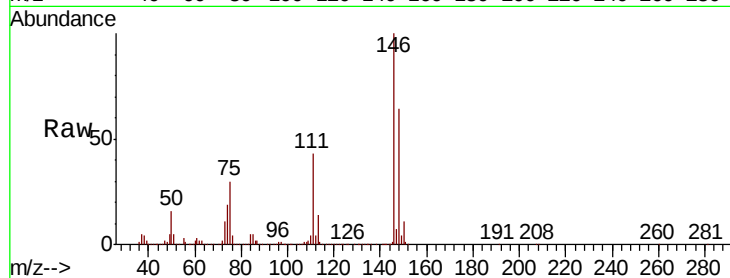
Tgt Ion:146 Resp: 865718

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

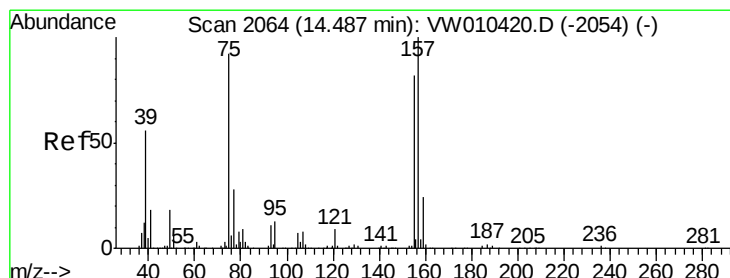
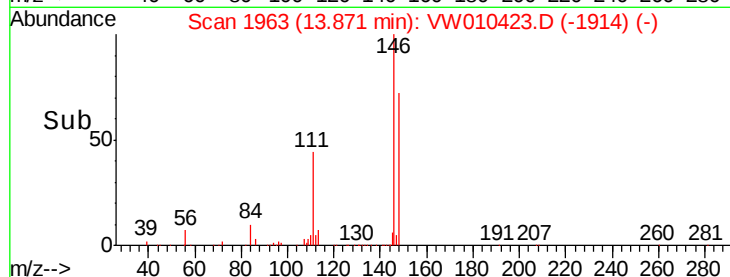
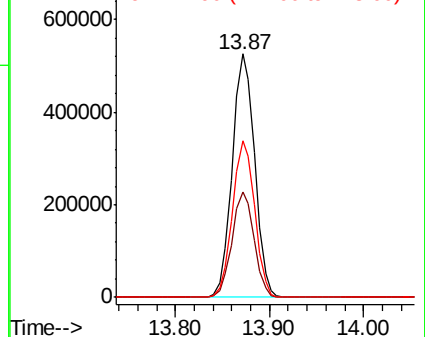
148 63.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.533 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

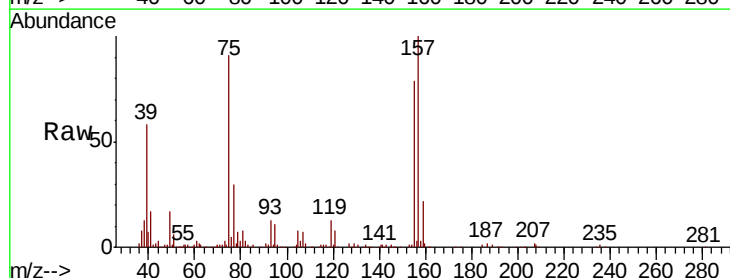
Tgt Ion: 75 Resp: 77512

Ion Ratio Lower Upper

75 100

155 86.4 43.5 130.7

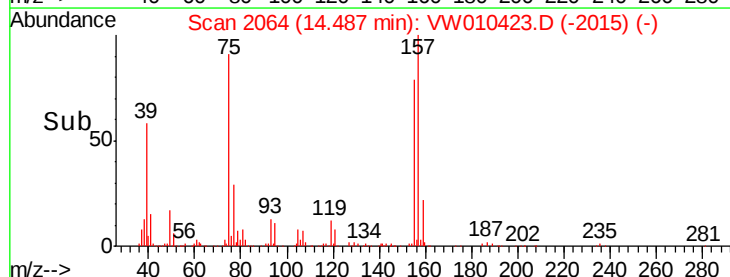
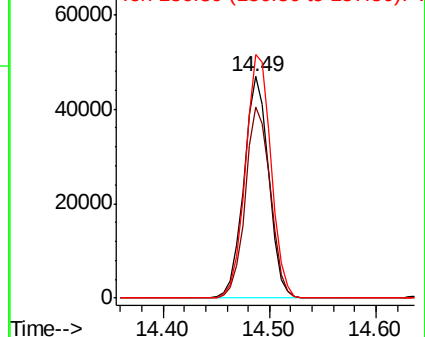
157 112.2 54.8 164.4

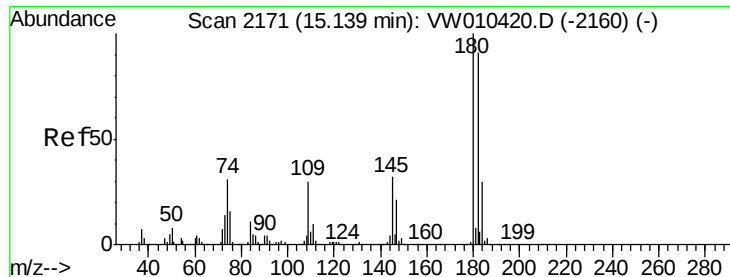


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

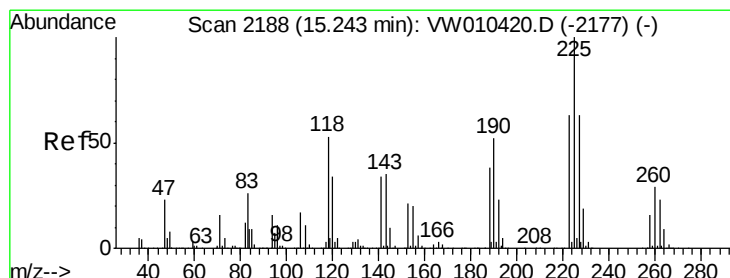
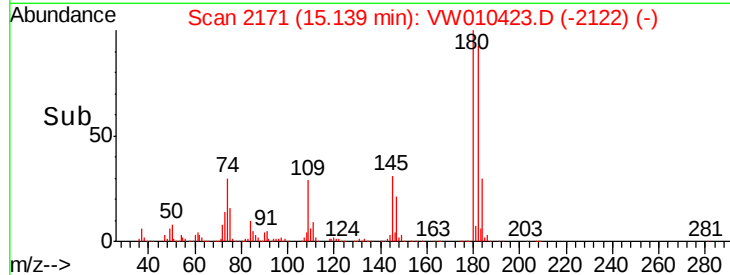
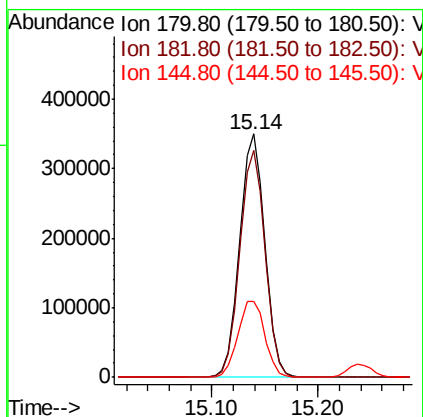
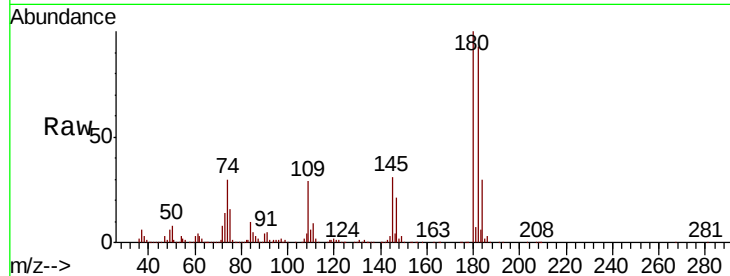




#93
 1,2,4-Trichlorobenzene
 Concen: 48.706 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

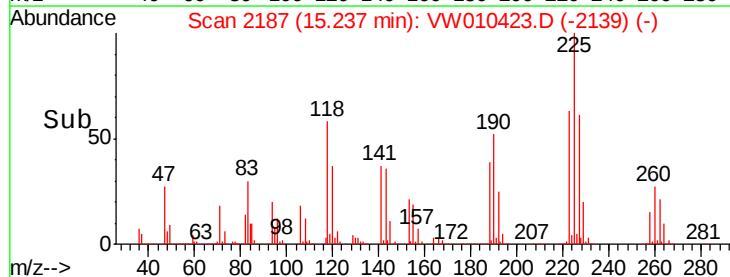
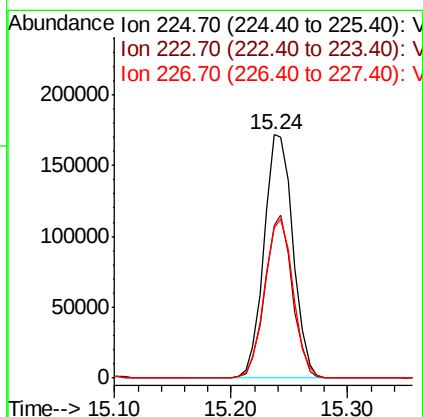
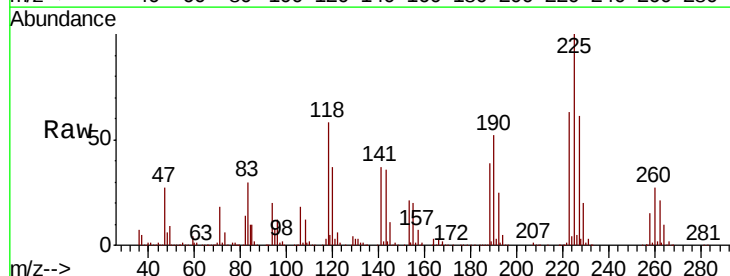
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

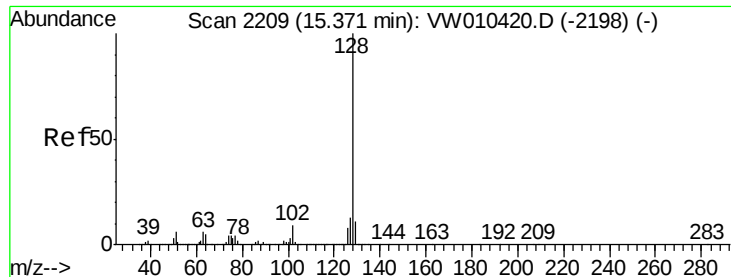
Tgt Ion:180 Resp: 580125
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.0 141.2
 145 33.7 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 46.832 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion:225 Resp: 297789
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.0 96.2
 227 64.5 31.4 94.0

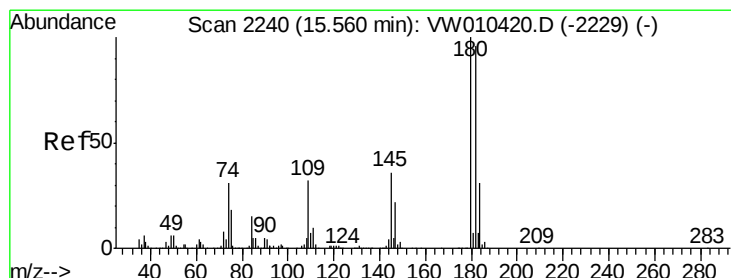
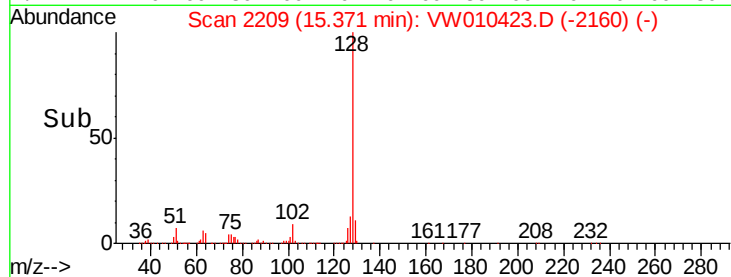
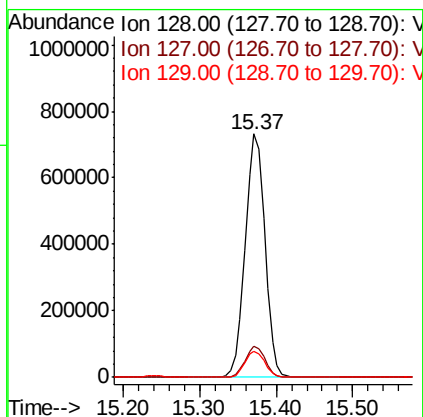
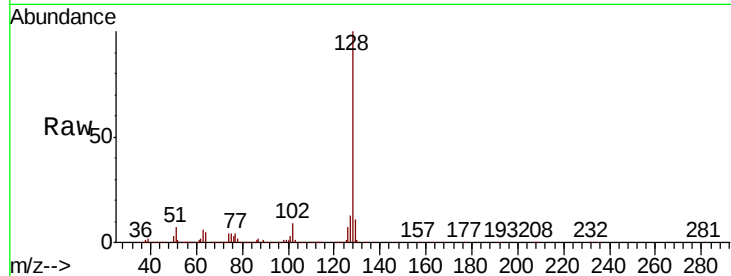




#95
Naphthalene
Concen: 48.654 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tgt Ion:128 Resp: 1309932
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.308 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:180 Resp: 507306
Ion Ratio Lower Upper
180 100
182 95.6 47.6 142.9
145 36.2 17.8 53.5

