

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103020\
 Data File : VW017031.D
 Acq On : 30 Oct 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 31 05:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 09:49:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	476043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430737	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219371	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120728	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
7) Chloroethane-d5	2.90	69	101959	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	4.03	63	263116	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.48%
20) 2-Butanone-d5	7.09	46	51652	49.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.82%
24) Chloroform-d	7.65	84	277986	25.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	8.31	65	126074	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.60%
29) Benzene-d6	8.28	84	544021	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.27	67	149930	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	10.33	98	509196	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	10.58	79	61558	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	44088	52.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116612	25.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	184042	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	123567	22.757	ug/L 96
3) Chloromethane	2.22	50	119472	25.492	ug/L 99
5) Vinyl chloride	2.37	62	187961	27.382	ug/L 97
6) Bromomethane	2.79	94	124954	26.802	ug/L 100
8) Chloroethane	2.93	64	109131	27.625	ug/L 94
9) Trichlorofluoromethane	3.27	101	159496	29.295	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	186584	28.434	ug/L # 70
12) 1,1-Dichloroethene	4.04	96	176338	28.297	ug/L 96
13) Acetone	4.13	43	36989	53.114	ug/L 98
14) Carbon disulfide	4.39	76	493765	26.136	ug/L 98
15) Methyl Acetate	4.68	43	47920	26.356	ug/L 98
16) Methylene chloride	4.92	84	165551	26.303	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	175569	25.846	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	177469	27.230	ug/L 99
19) 1,1-Dichloroethane	6.22	63	272403	27.292	ug/L 98
21) 2-Butanone	7.18	43	58787	50.441	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	178285	27.058	ug/L 98

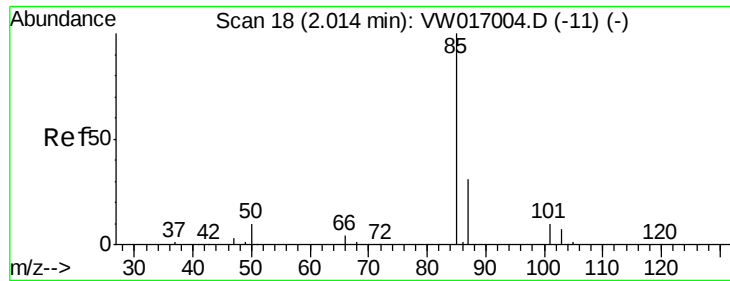
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103020\
 Data File : VW017031.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 09:49:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	83394	27.417	ug/L	97
25) Chloroform	7.68	83	294463	27.713	ug/L	99
27) 1,2-Dichloroethane	8.40	62	161238	26.647	ug/L	97
30) Cyclohexane	7.96	56	248670	27.598	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	261210	28.011	ug/L	100
32) Carbon tetrachloride	8.07	117	253599	28.332	ug/L	99
34) Benzene	8.33	78	654980	27.525	ug/L	100
35) Trichloroethene	9.09	95	180878	27.446	ug/L	99
36) Methylcyclohexane	9.34	83	307668	27.799	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148270	27.901	ug/L	99
41) Bromodichloromethane	9.65	83	201494	27.936	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	227084	27.327	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	129801	51.529	ug/L	100
44) Toluene	10.39	91	726812	28.192	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	189398	27.514	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114111	26.827	ug/L	97
47) Tetrachloroethene	10.87	164	163685	27.001	ug/L	96
49) 2-Hexanone	10.97	43	84660	52.735	ug/L	100
50) Dibromochloromethane	11.13	129	143517	27.696	ug/L	99
51) 1,2-Dibromoethane	11.24	107	109103	26.904	ug/L	99
52) Chlorobenzene	11.66	112	468385	27.177	ug/L	100
53) Ethylbenzene	11.73	91	809259	27.951	ug/L	99
54) m,p-Xylene	11.84	106	311953	27.387	ug/L	98
55) o-xylene	12.17	106	298022	28.244	ug/L	91
56) Styrene	12.18	104	500488	28.353	ug/L	99
57) Isopropylbenzene	12.47	105	817987	28.027	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	123324	27.012	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	85930	26.300	ug/L	98
62) Bromoform	12.35	173	82012	26.605	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	382578	27.028	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	378703	26.839	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	333095	26.676	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17649	25.983	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	286734	27.677	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	222338	27.687	ug/L	99
69) Naphthalene	15.37	128	355135	27.265	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	196679	28.106	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 22.757 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

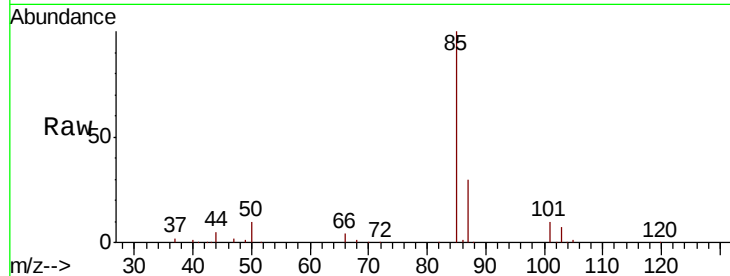
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 123567

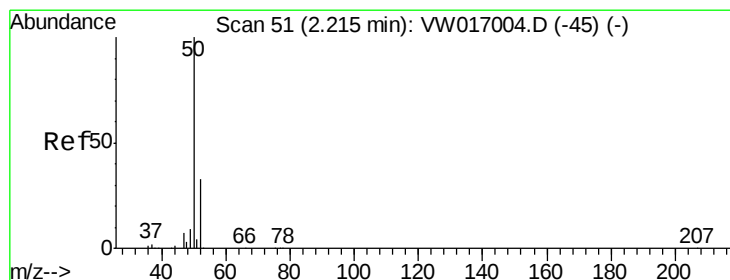
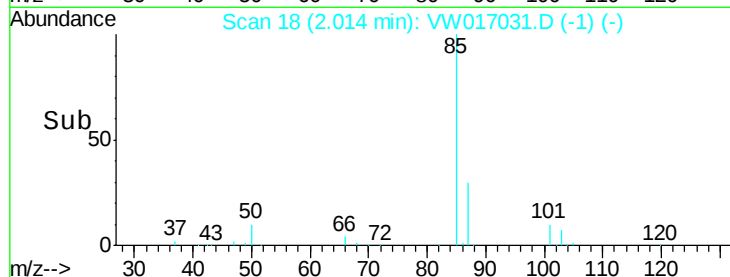
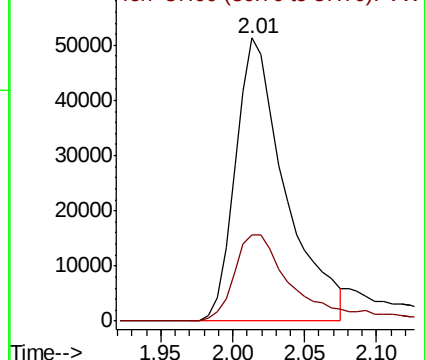
Ion Ratio Lower Upper

85 100

87 34.1 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.492 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017031.D

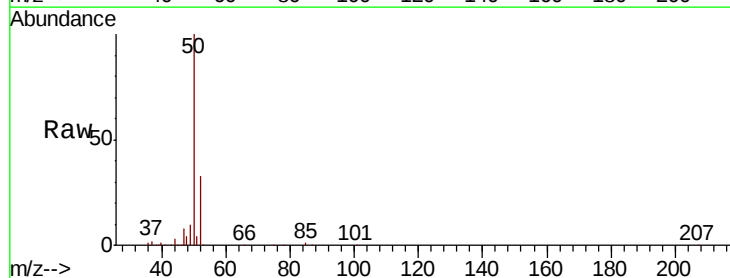
Acq: 30 Oct 2020 09:44

Tgt Ion: 50 Resp: 119472

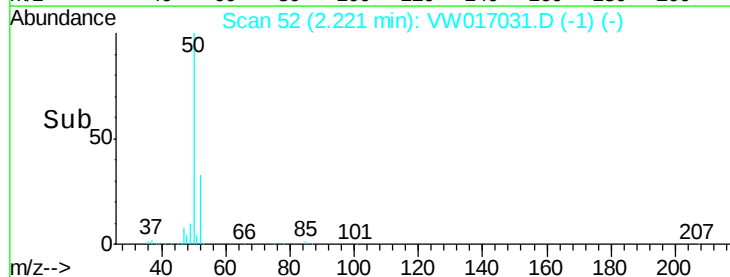
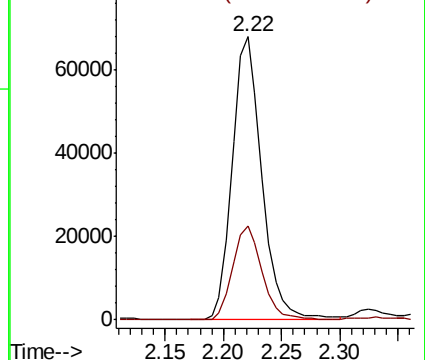
Ion Ratio Lower Upper

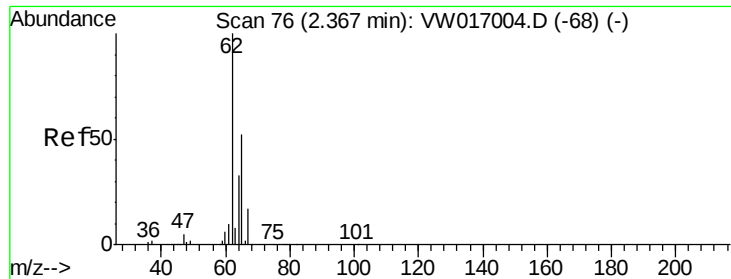
50 100

52 33.0 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.382 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

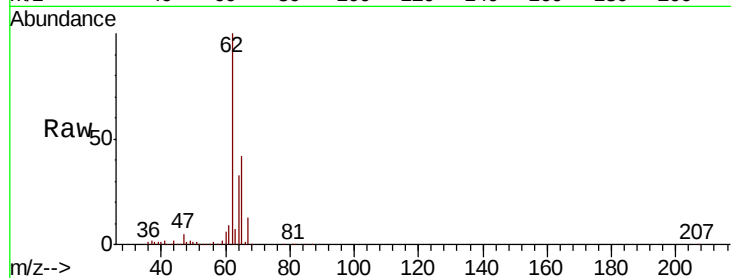
ClientSampled :

Tot Ion: 62 Resp: 187961

Ion Ratio Lower Upper

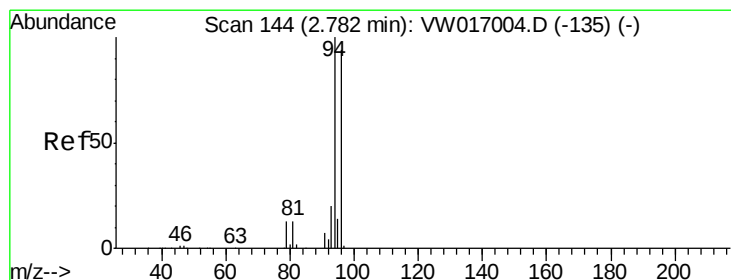
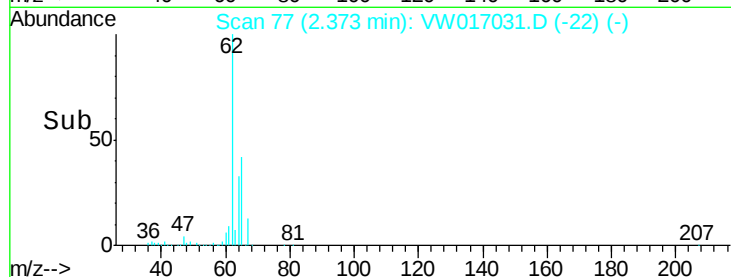
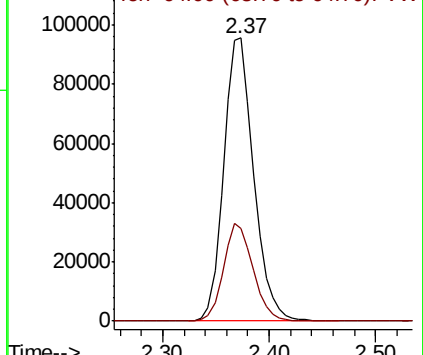
62 100

64 32.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.802 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017031.D

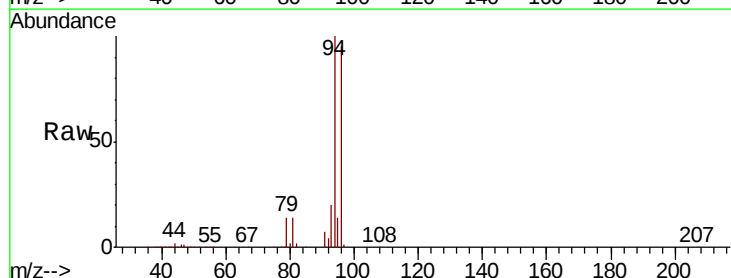
Acq: 30 Oct 2020 09:44

Tgt Ion: 94 Resp: 124954

Ion Ratio Lower Upper

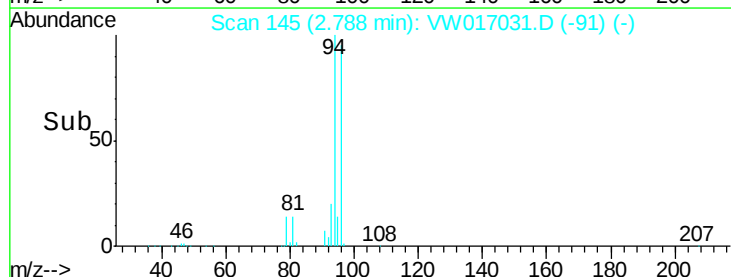
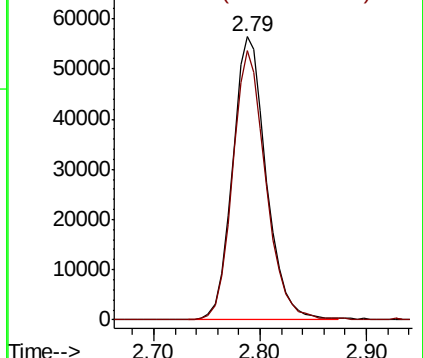
94 100

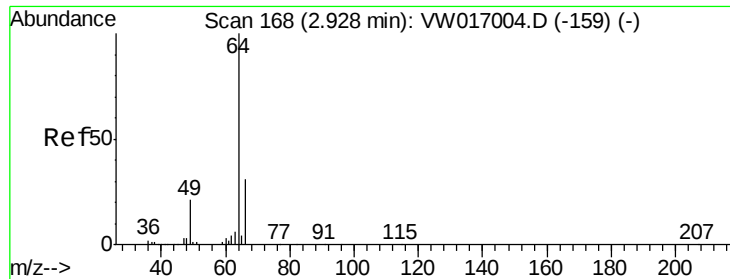
96 93.7 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 27.625 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

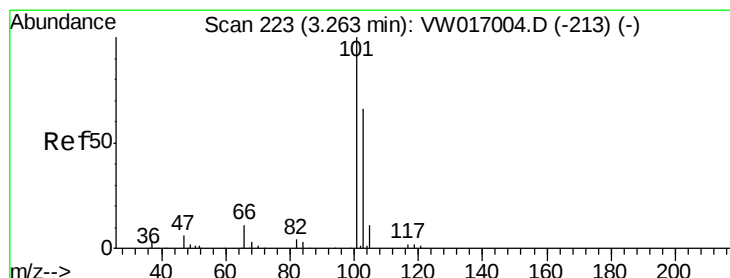
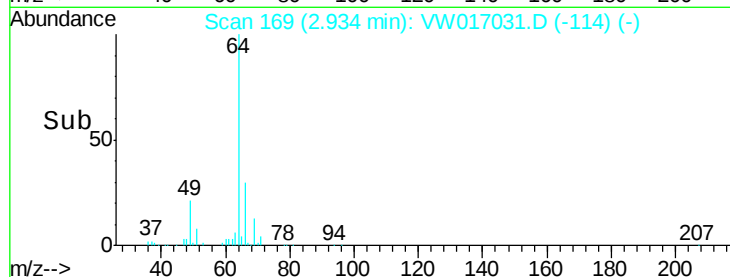
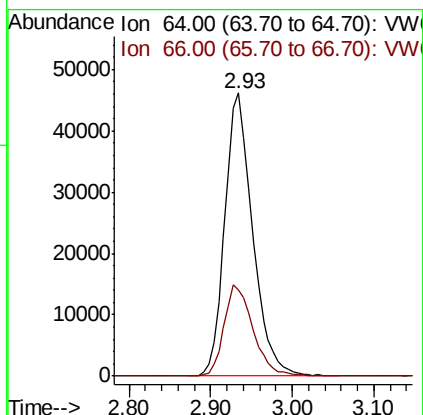
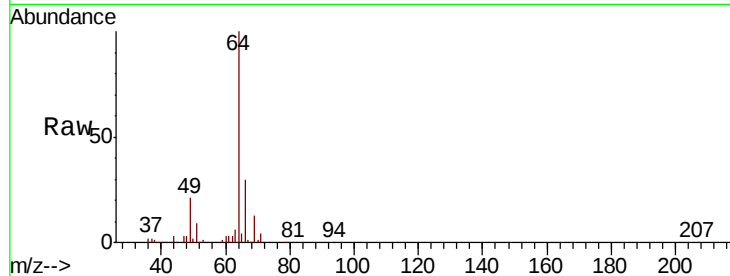
ClientSampled :

Tot Ion: 64 Resp: 109131

Ion Ratio Lower Upper

64 100

66 30.3 23.4 43.6



#9

Trichlorofluoromethane

Concen: 29.295 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017031.D

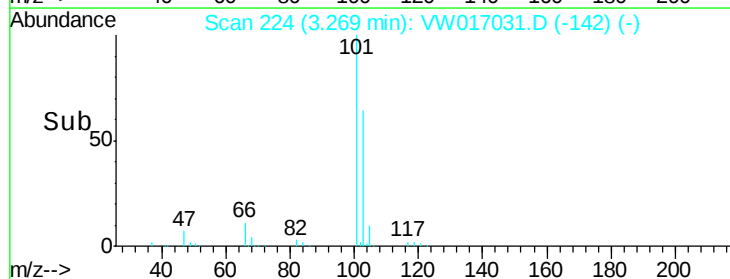
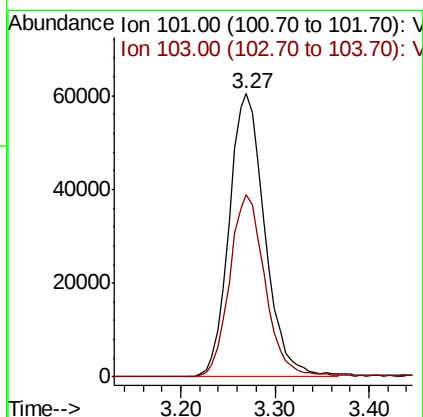
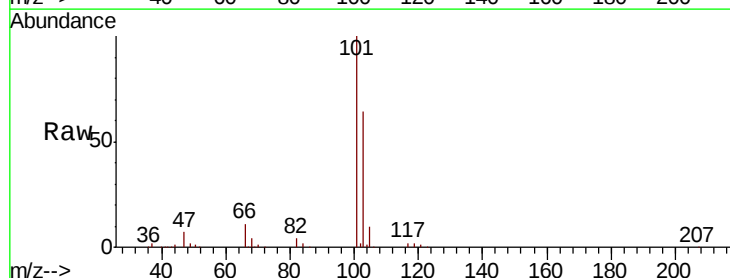
Acq: 30 Oct 2020 09:44

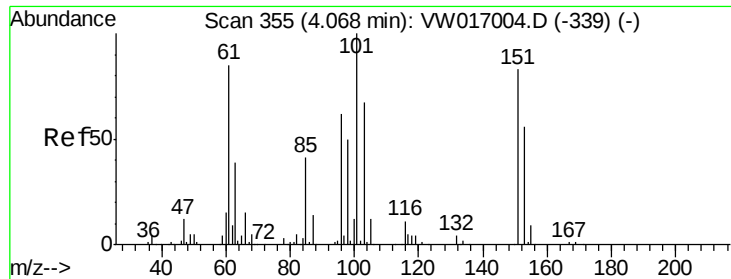
Tgt Ion: 101 Resp: 159496

Ion Ratio Lower Upper

101 100

103 64.1 44.9 83.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 28.434 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

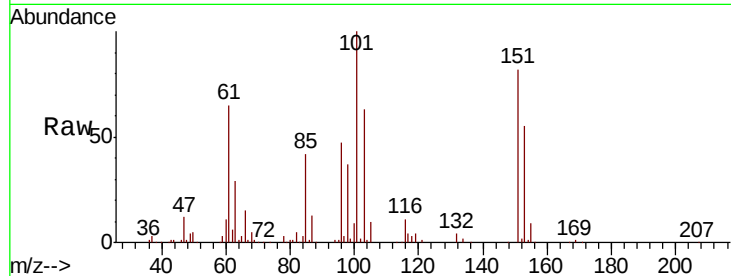
Tot Ion:101 Resp: 186584

Ion Ratio Lower Upper

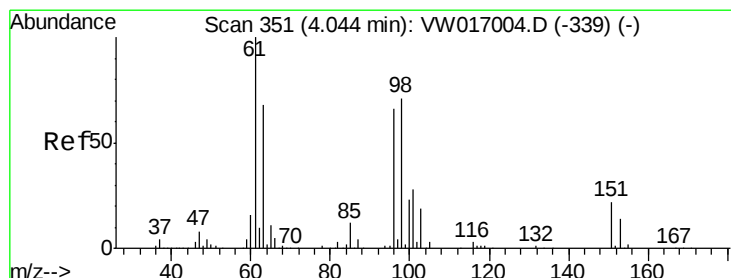
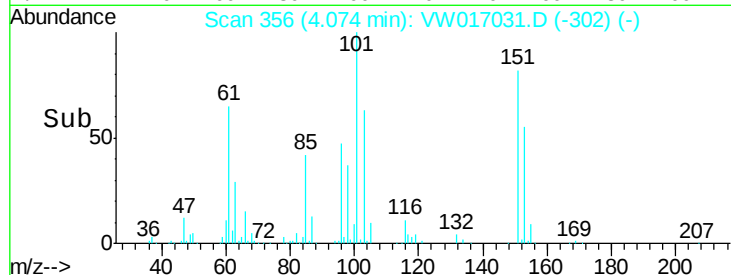
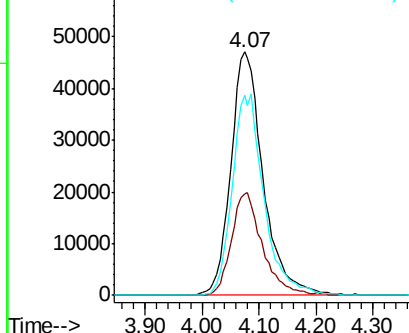
101 100

85 40.2 32.5 48.7

151 42.2 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 28.297 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

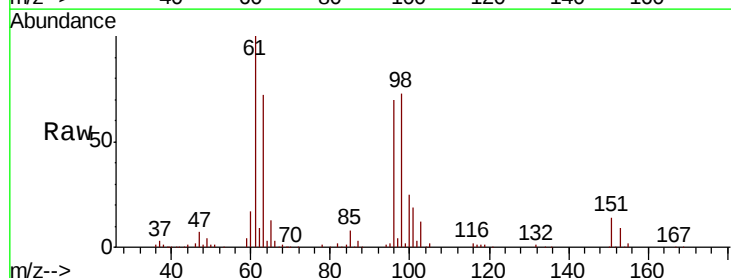
Tgt Ion: 96 Resp: 176338

Ion Ratio Lower Upper

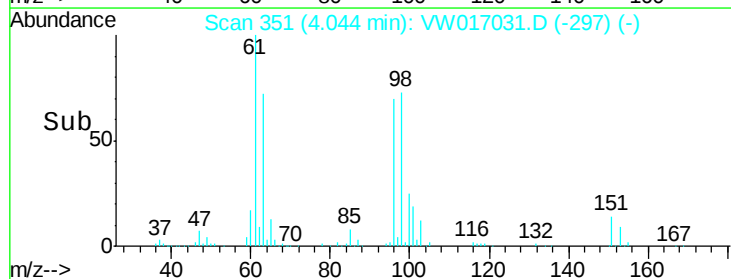
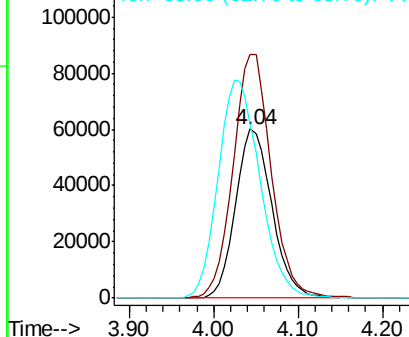
96 100

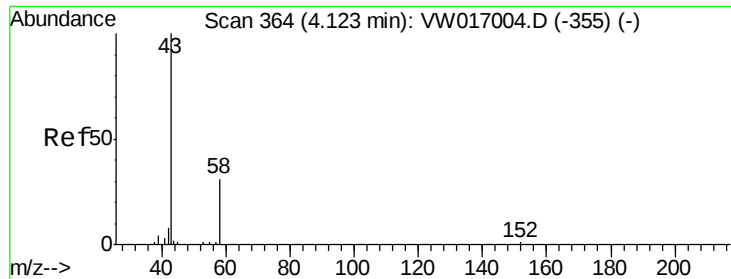
61 143.9 101.4 188.4

63 103.4 78.5 145.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.114 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

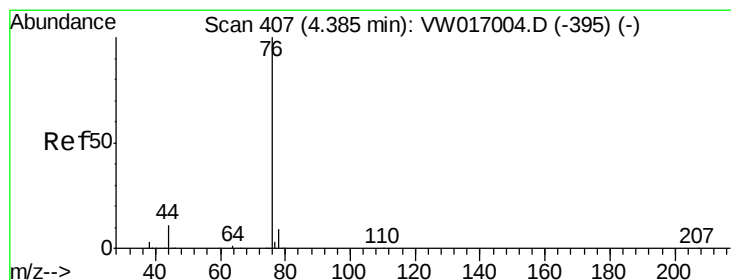
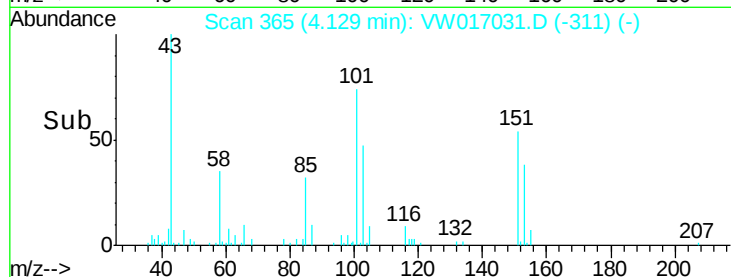
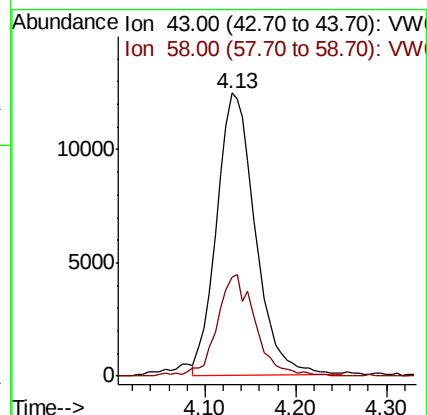
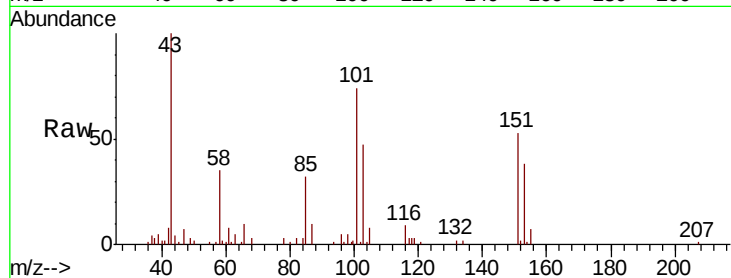
ClientSampled :

Tot Ion: 43 Resp: 36989

Ion Ratio Lower Upper

43 100

58 33.8 0.0 69.8



#14

Carbon disulfide

Concen: 26.136 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017031.D

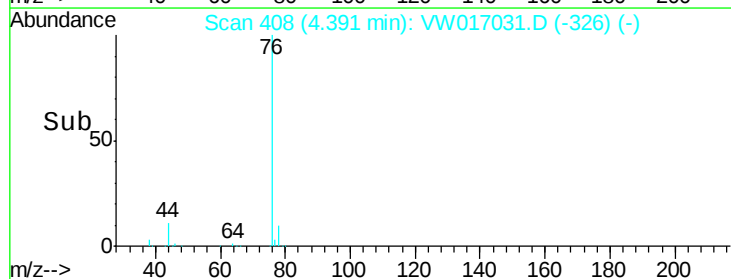
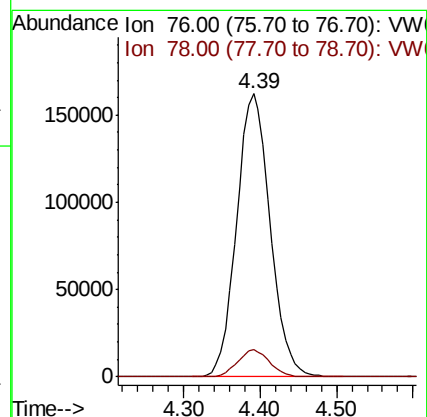
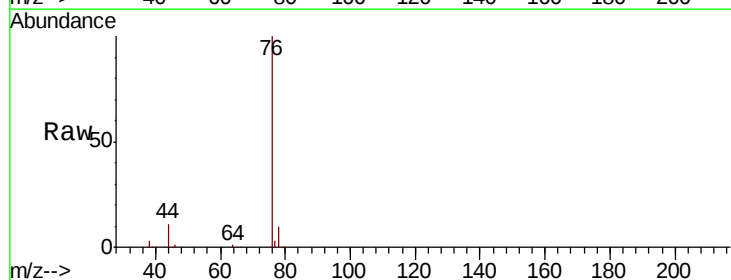
Acq: 30 Oct 2020 09:44

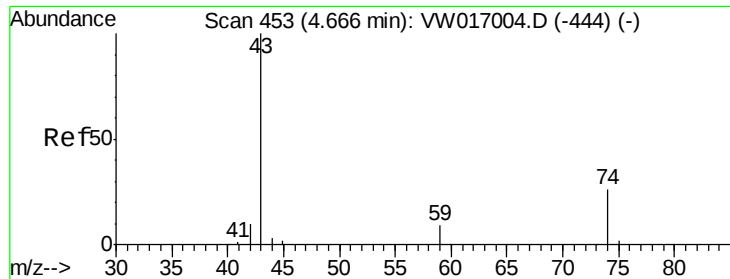
Tgt Ion: 76 Resp: 493765

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

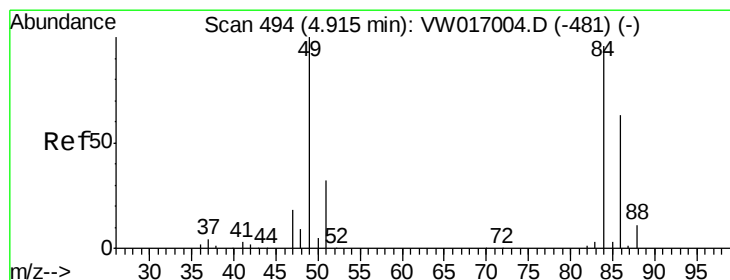
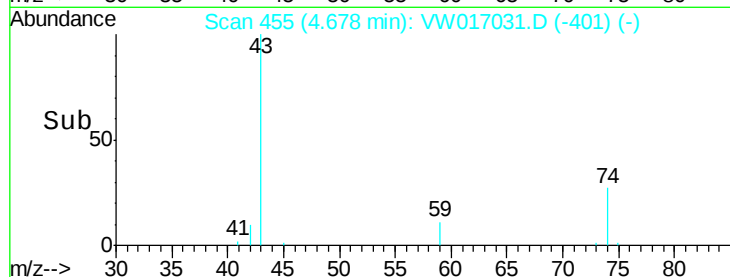
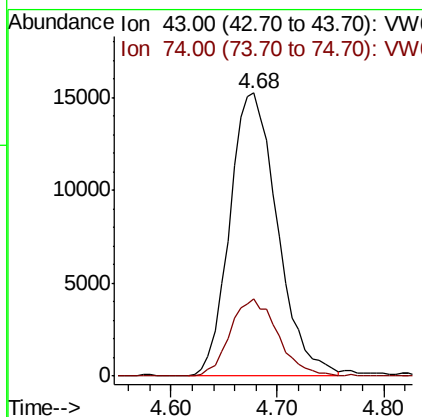
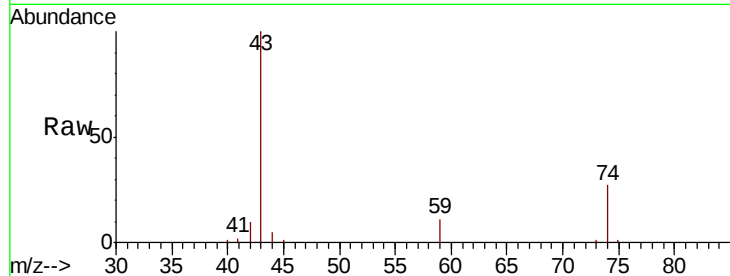




#15
Methvl Acetate
Concen: 26.356 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

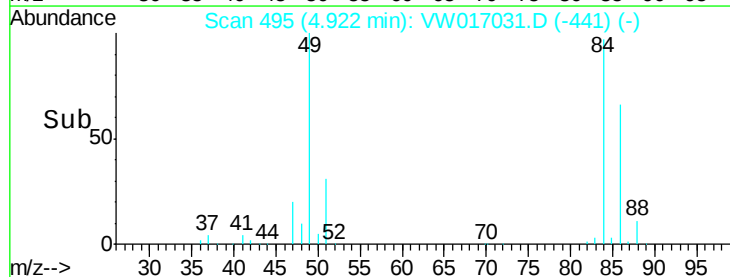
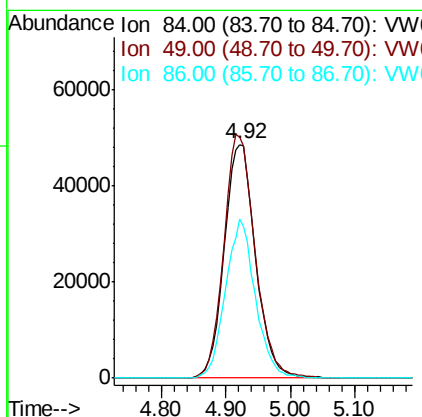
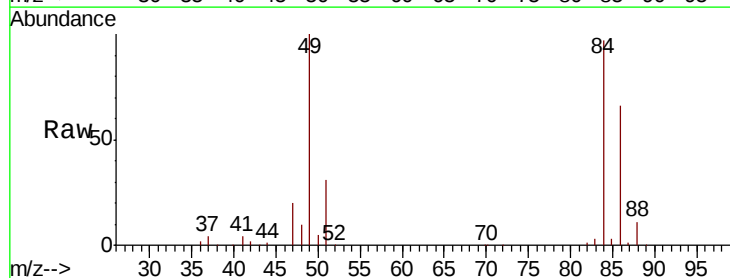
Instrument :
MSVOA_W
ClientSampleId :

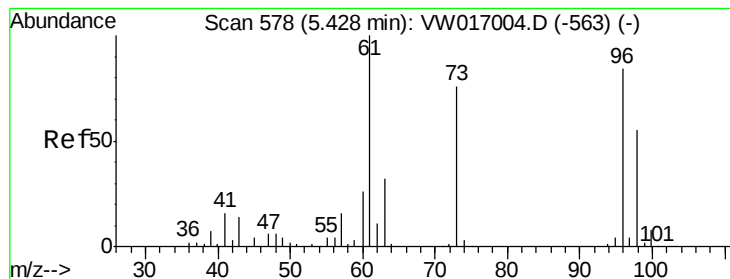
Tot Ion: 43 Resp: 47920
Ion Ratio Lower Upper
43 100
74 27.2 22.8 34.2



#16
Methylene chloride
Concen: 26.303 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Tgt Ion: 84 Resp: 165551
Ion Ratio Lower Upper
84 100
49 103.2 73.8 137.0
86 68.2 47.4 88.0





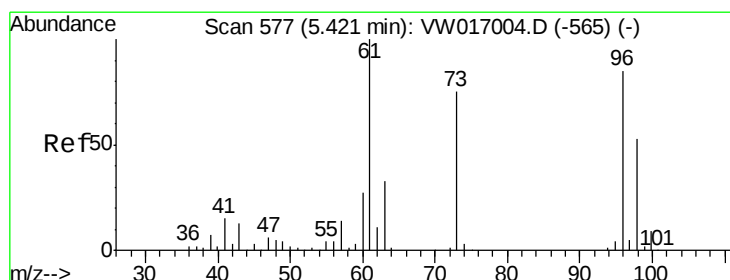
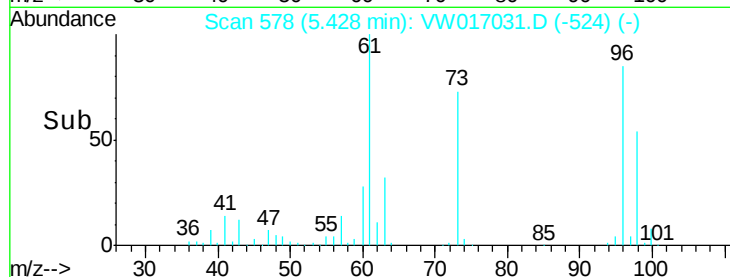
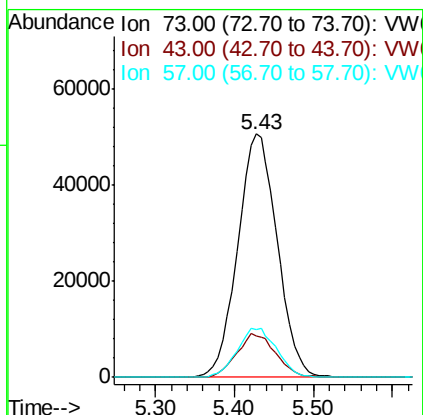
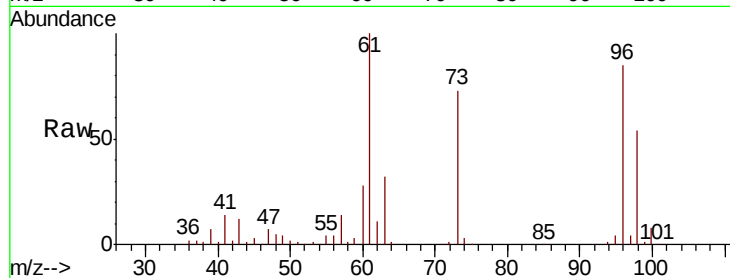
#17

Methvl tert-butvl Ether
 Concen: 25.846 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 175569

Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.4	21.6
57	20.3	16.6	25.0

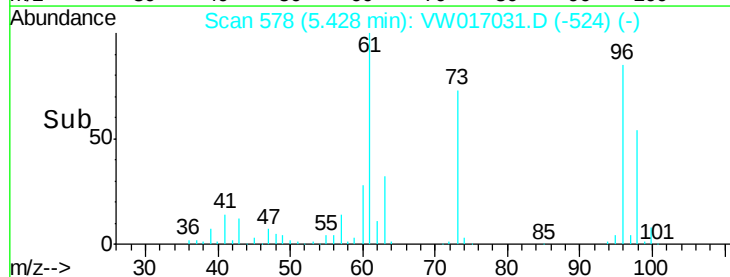
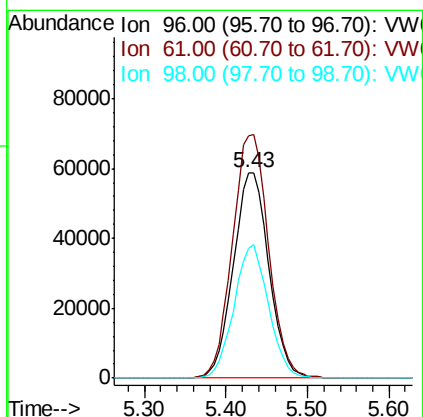
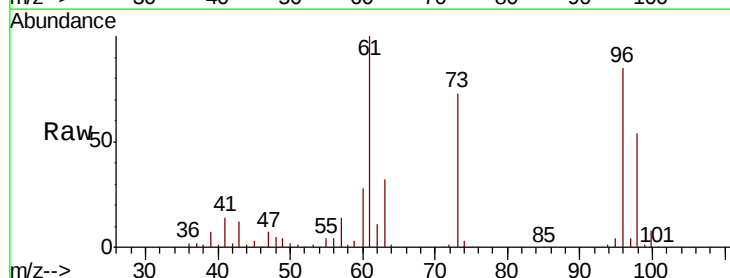


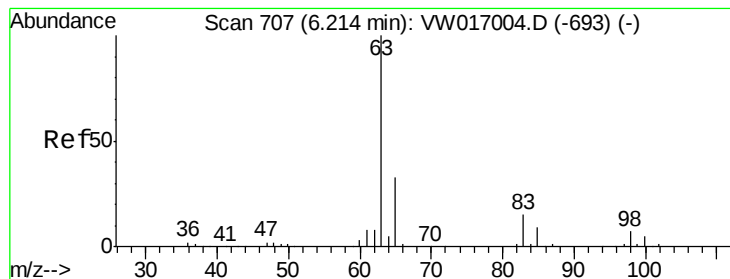
#18

trans-1,2-Dichloroethene
 Concen: 27.230 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion: 96 Resp: 177469

Ion	Ratio	Lower	Upper
96	100		
61	118.1	82.7	153.7
98	63.2	42.6	79.0





#19

1,1-Dichloroethane

Concen: 27.292 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

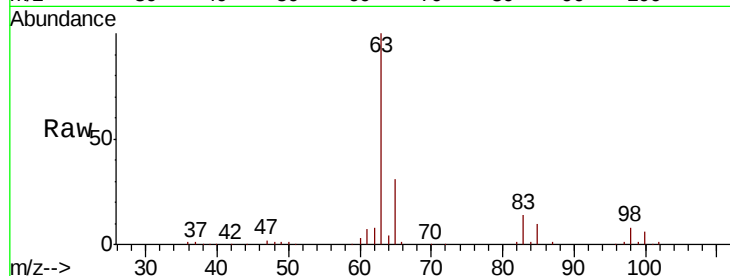
Tot Ion: 63 Resp: 272403

Ion Ratio Lower Upper

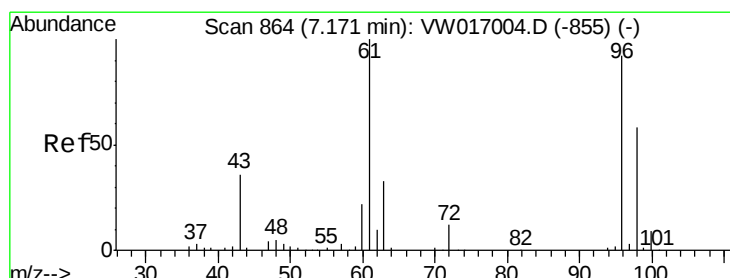
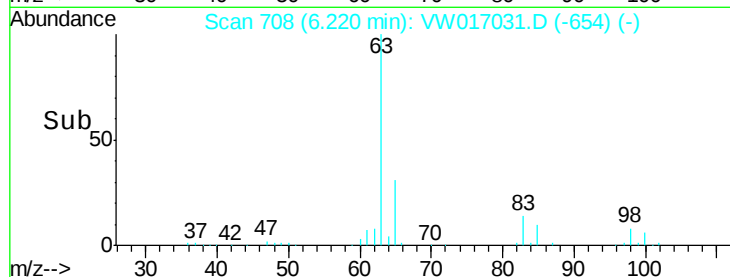
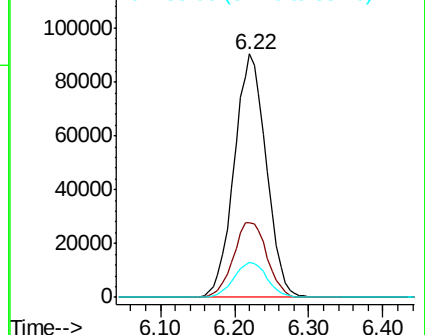
63 100

65 30.6 22.5 41.9

83 14.4 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 50.441 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017031.D

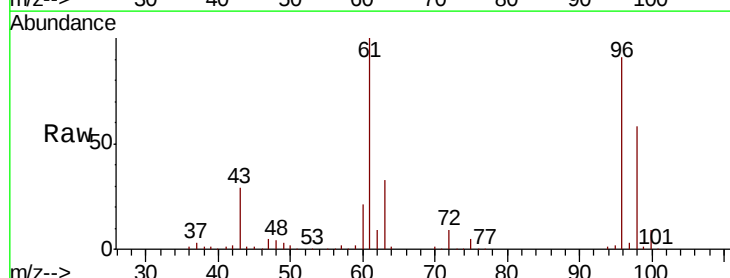
Acq: 30 Oct 2020 09:44

Tgt Ion: 43 Resp: 58787

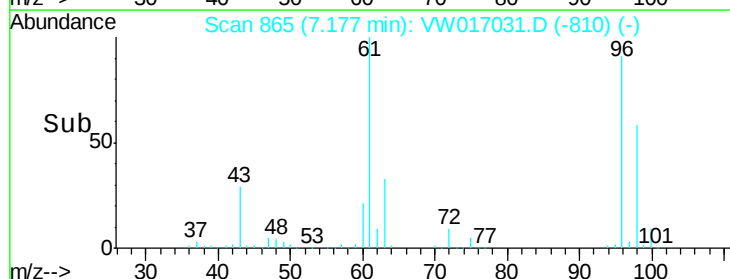
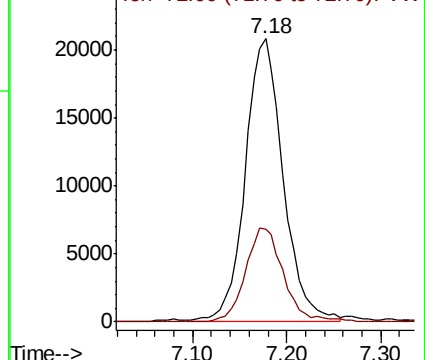
Ion Ratio Lower Upper

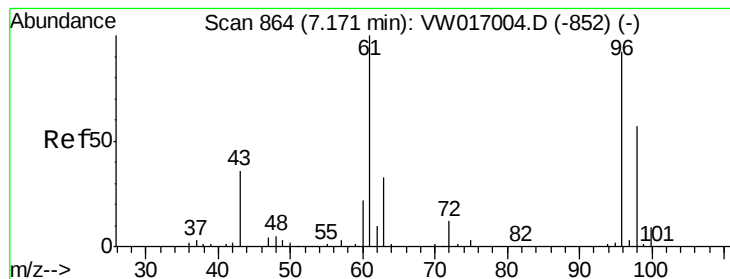
43 100

72 32.8 16.1 48.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



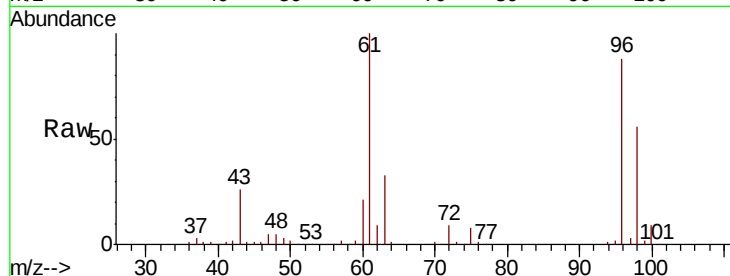


#22

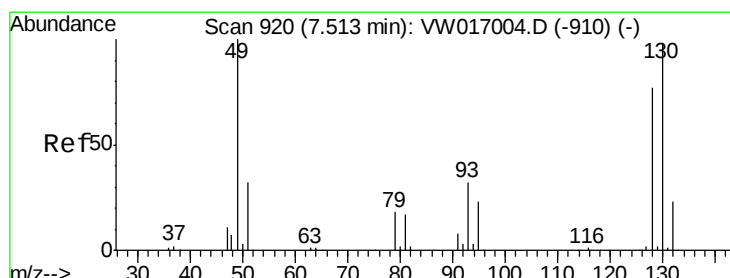
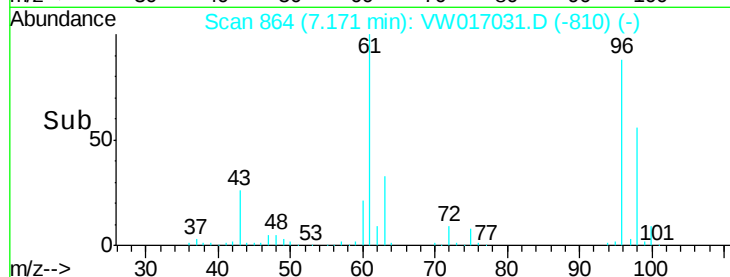
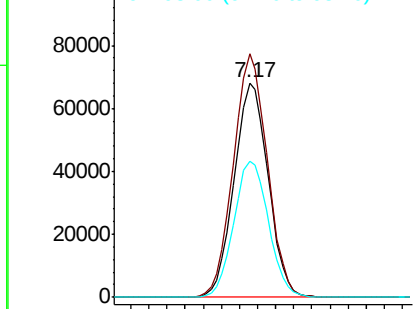
cis-1,2-Dichloroethene
Concen: 27.058 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 178285
Ion Ratio Lower Upper
96 100
61 113.3 77.4 143.8
98 63.2 44.4 82.5



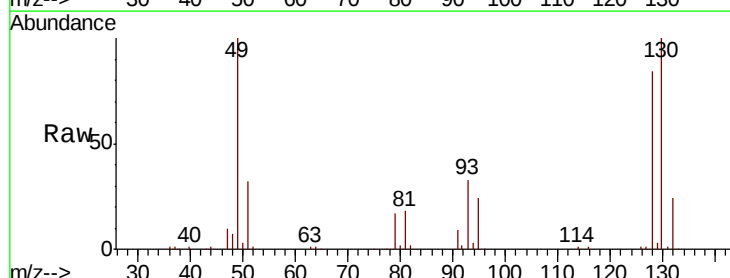
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



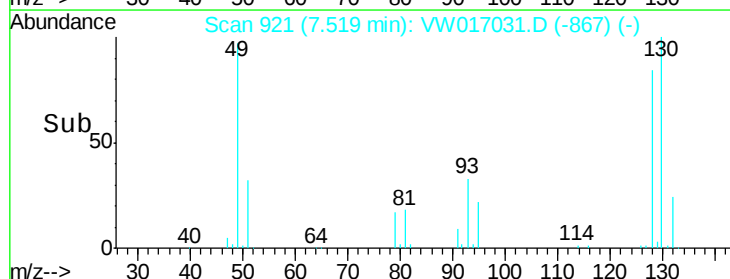
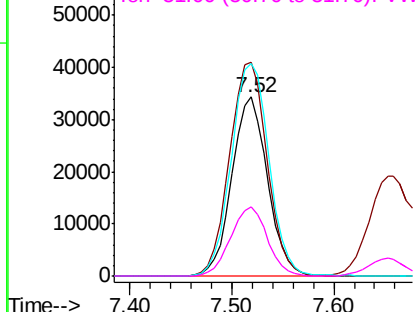
#23

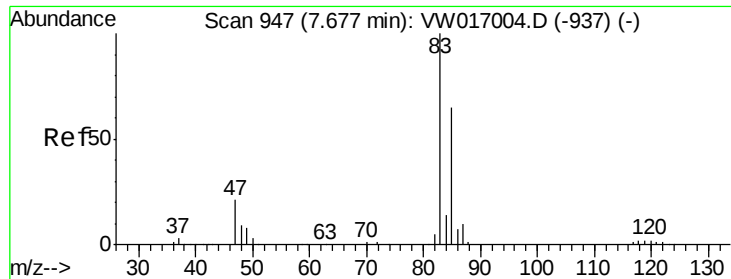
Bromochloromethane
Concen: 27.417 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Tgt Ion: 128 Resp: 83394
Ion Ratio Lower Upper
128 100
49 119.3 86.4 160.4
130 119.0 86.4 160.4
51 38.6 30.9 46.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

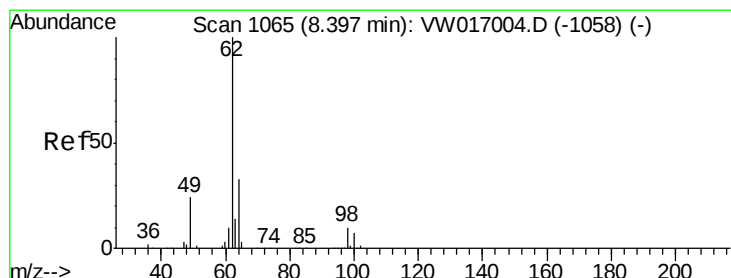
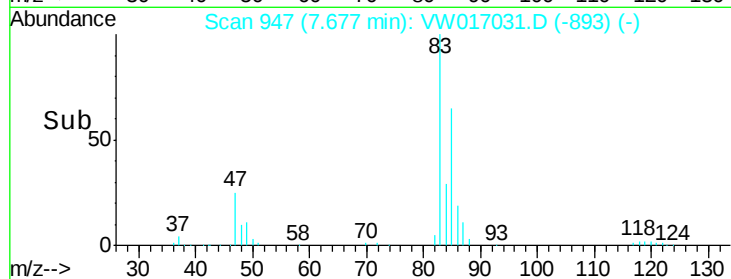
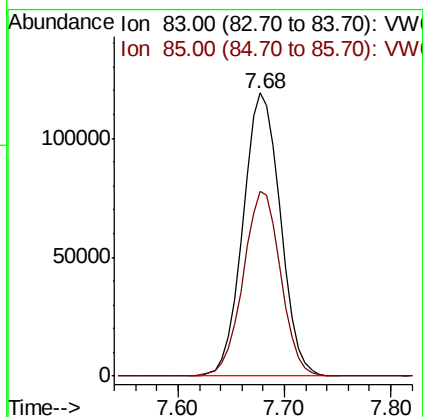
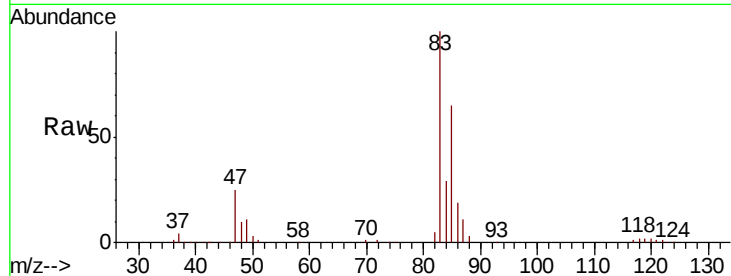




#25
Chloroform
Concen: 27.713 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

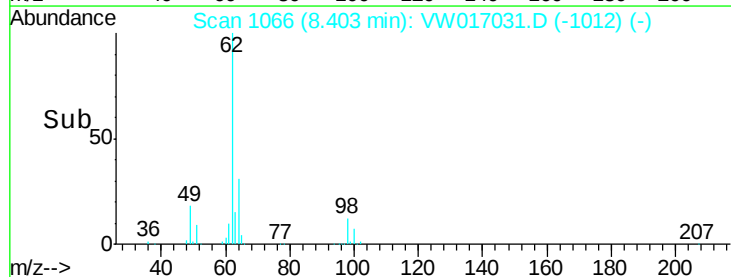
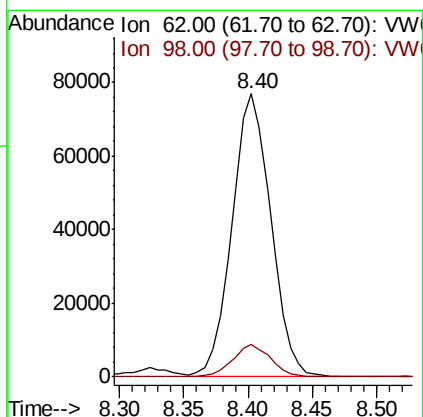
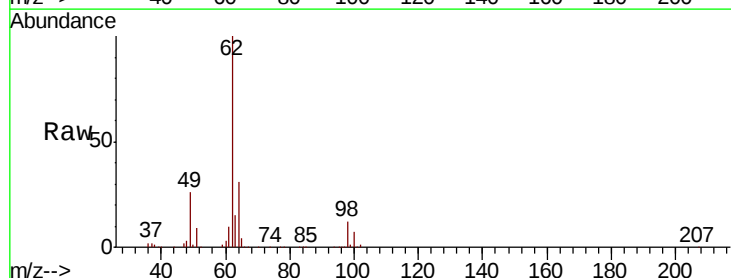
Instrument :
MSVOA_W
ClientSampleId :

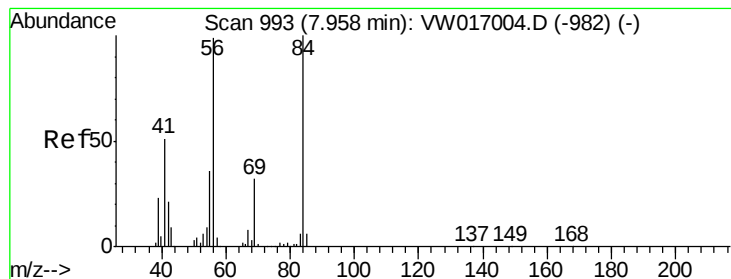
Tot Ion: 83 Resp: 294463
Ion Ratio Lower Upper
83 100
85 65.5 46.6 86.6



#27
1,2-Dichloroethane
Concen: 26.647 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Tgt Ion: 62 Resp: 161238
Ion Ratio Lower Upper
62 100
98 11.7 8.5 12.7





#30

Cyclohexane

Concen: 27.598 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

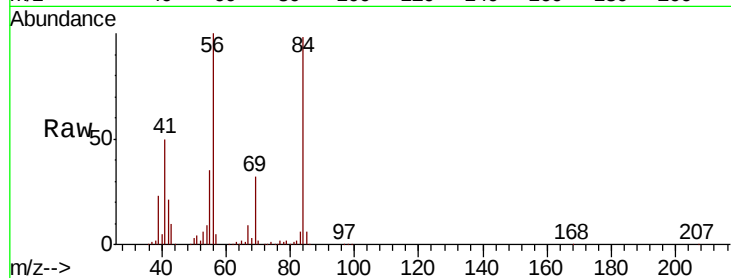
Tot Ion: 56 Resp: 248670

Ion Ratio Lower Upper

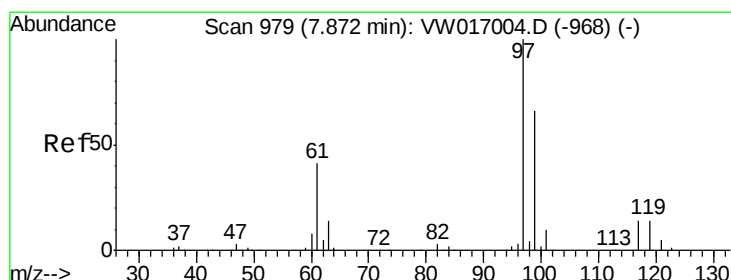
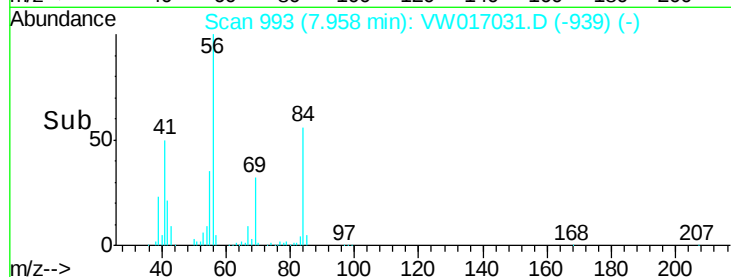
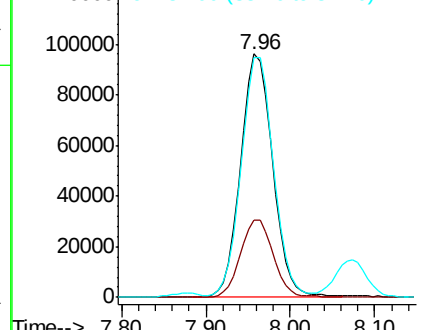
56 100

69 32.2 26.0 39.0

84 98.9 78.6 118.0



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



#31

1,1,1-Trichloroethane

Concen: 28.011 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

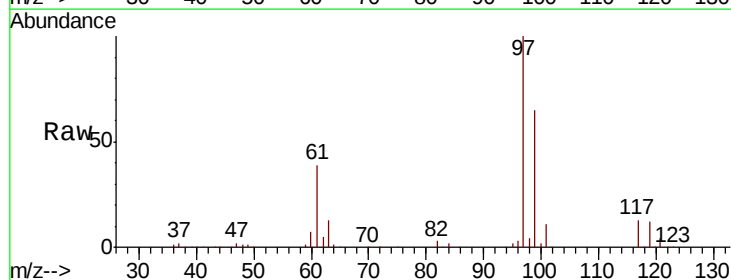
Tgt Ion: 97 Resp: 261210

Ion Ratio Lower Upper

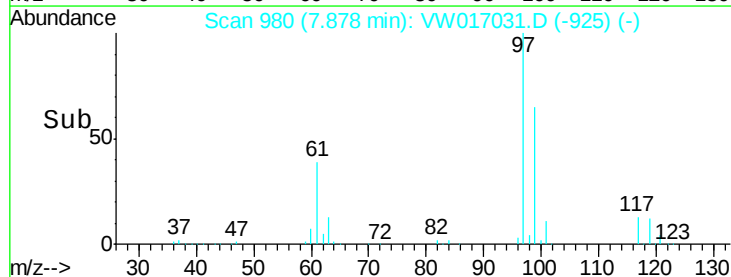
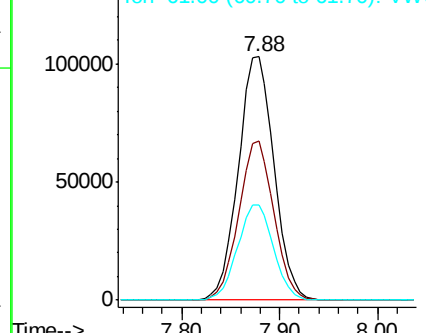
97 100

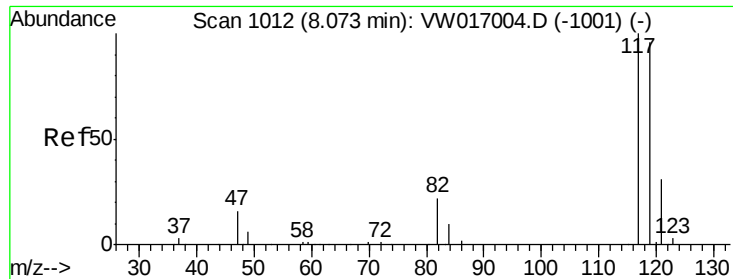
99 64.1 51.3 76.9

61 39.2 31.8 47.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 28.332 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

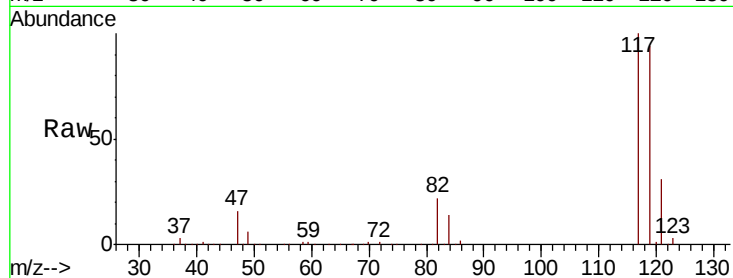
ClientSampled :

Tot Ion:117 Resp: 253599

Ion Ratio Lower Upper

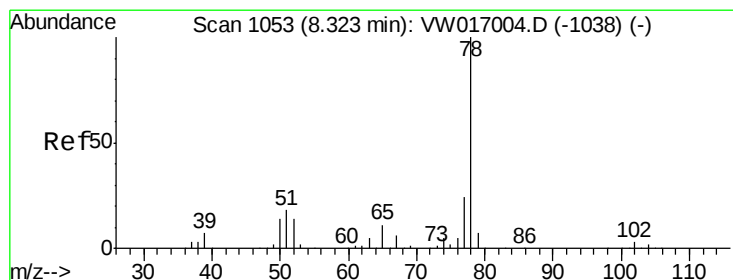
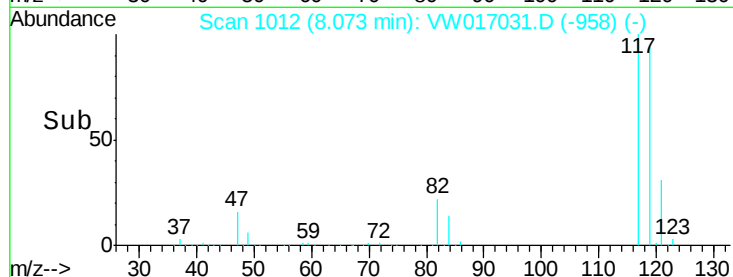
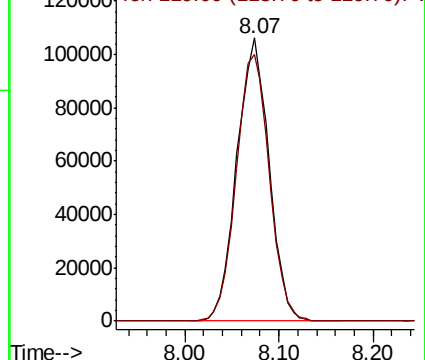
117 100

119 96.7 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.525 ug/L

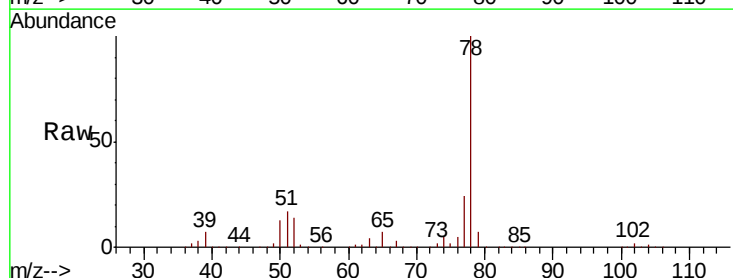
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

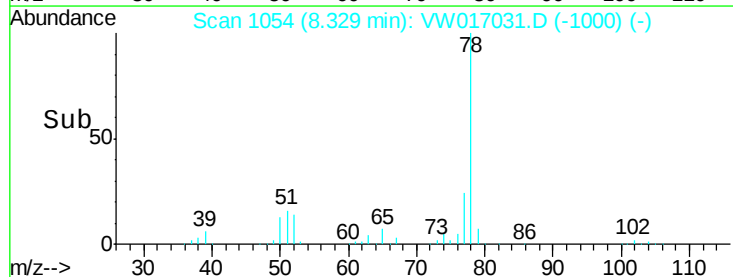
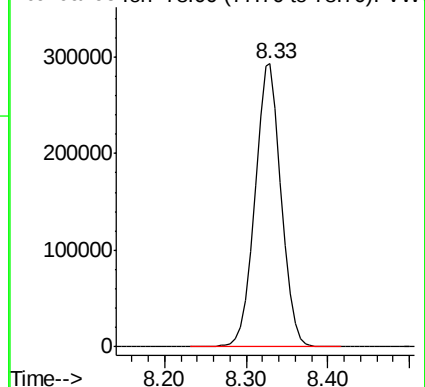
Lab File: VW017031.D

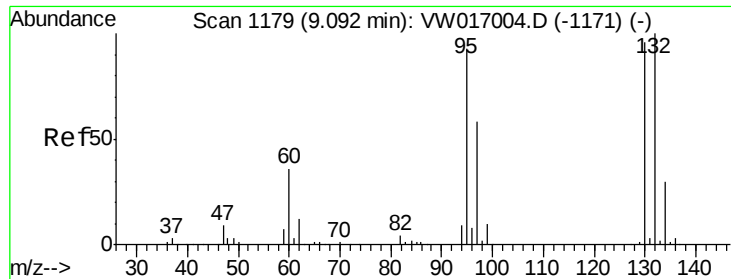
Acq: 30 Oct 2020 09:44

Tgt Ion: 78 Resp: 654980



Abundance Ion 78.00 (77.70 to 78.70): VW

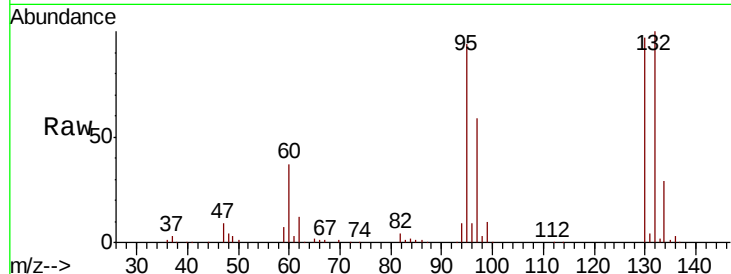




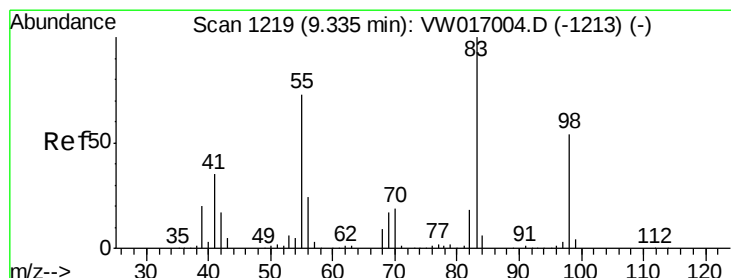
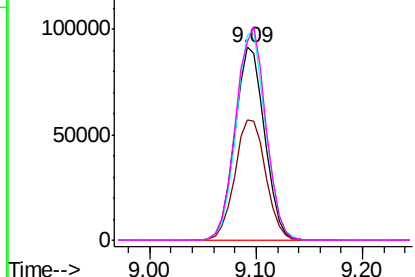
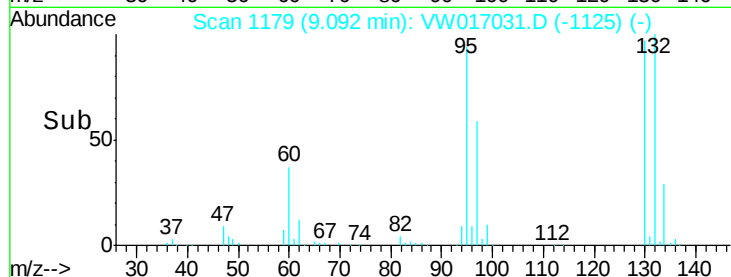
#35
 Trichloroethene
 Concen: 27.446 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 180878
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.0 85.4
 132 107.0 73.9 137.3
 130 111.2 77.6 144.2

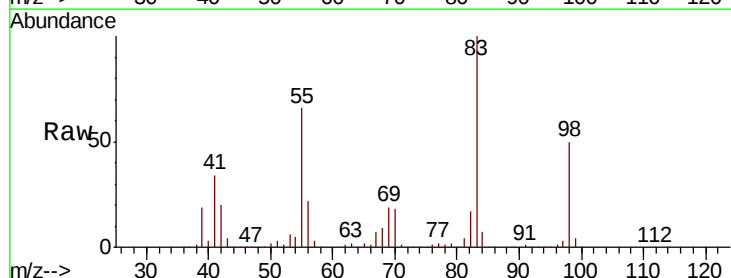


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

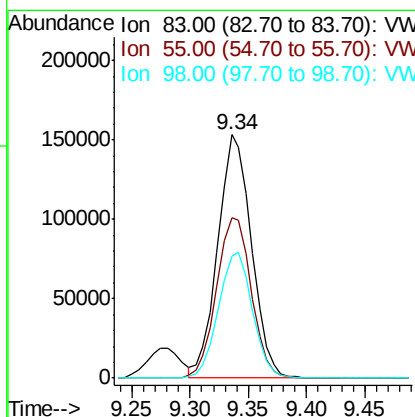
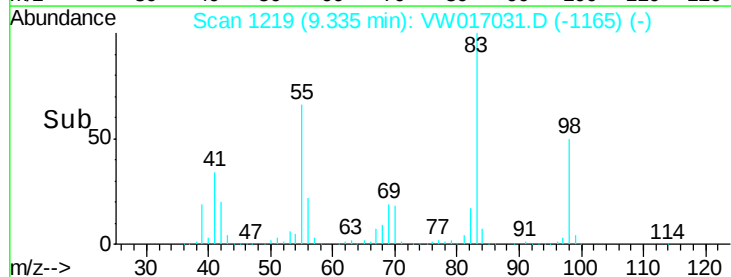


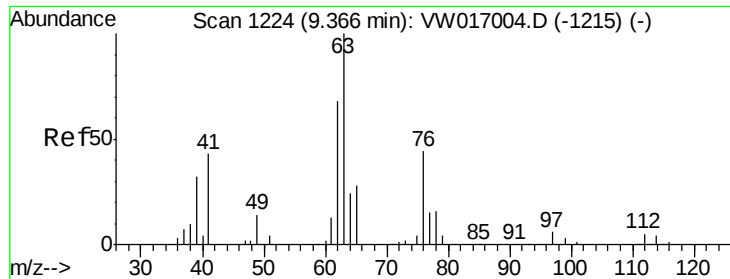
#36
 Methylcyclohexane
 Concen: 27.799 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion: 83 Resp: 307668
 Ion Ratio Lower Upper
 83 100
 55 68.0 54.5 81.7
 98 52.1 40.8 61.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

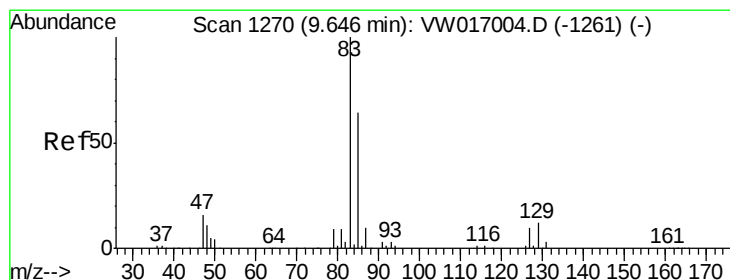
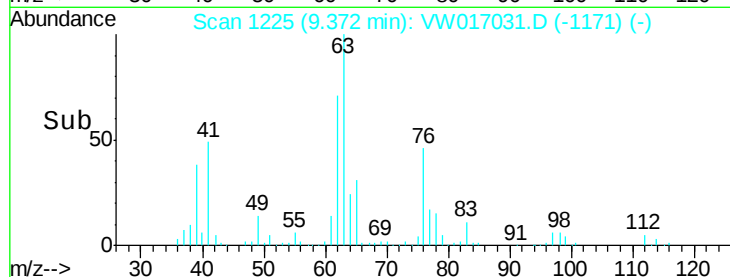
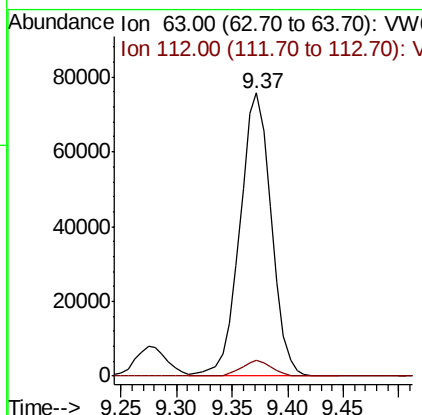
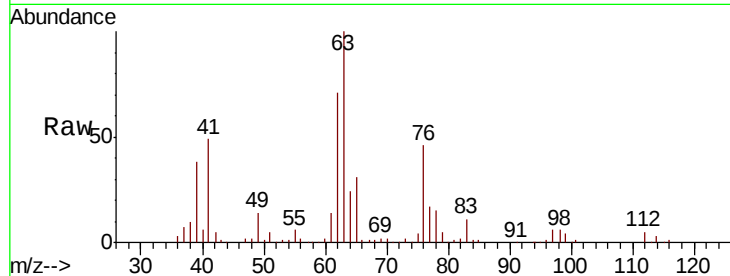




#40
 1,2-Dichloropropane
 Concen: 27.901 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

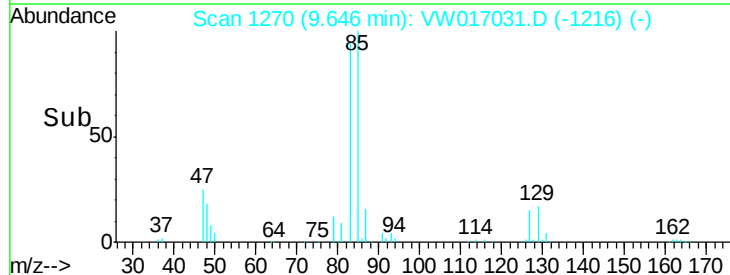
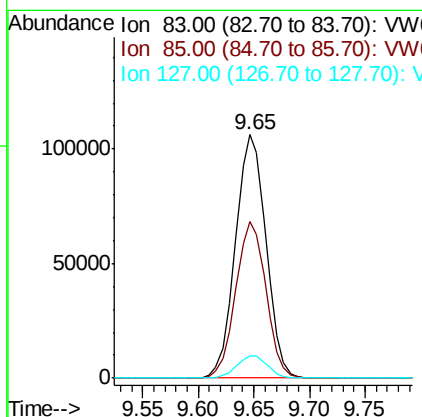
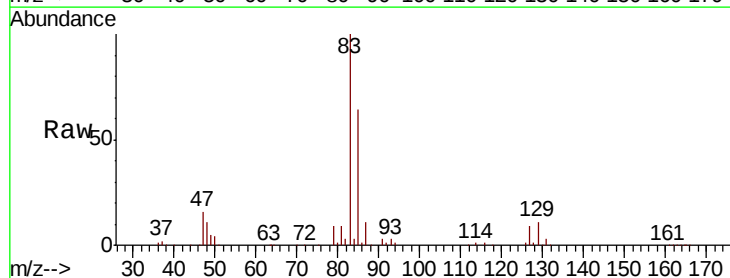
Instrument :
 MSVOA_W
 ClientSampled :

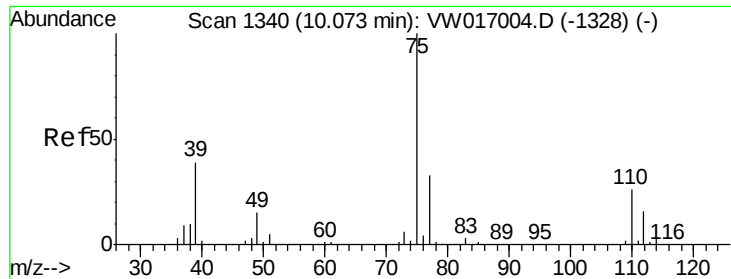
Tot Ion: 63 Resp: 148270
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.936 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion: 83 Resp: 201494
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.9
 127 9.3 7.8 11.6





#42

cis-1,3-Dichloropropene

Concen: 27.327 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

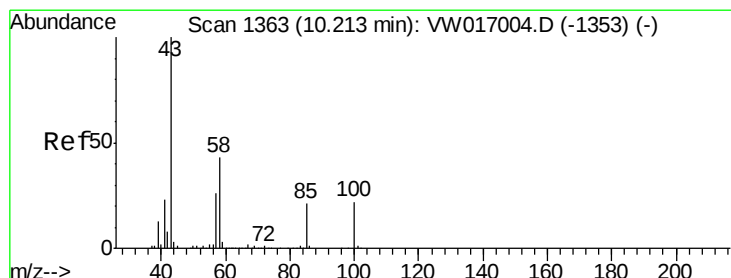
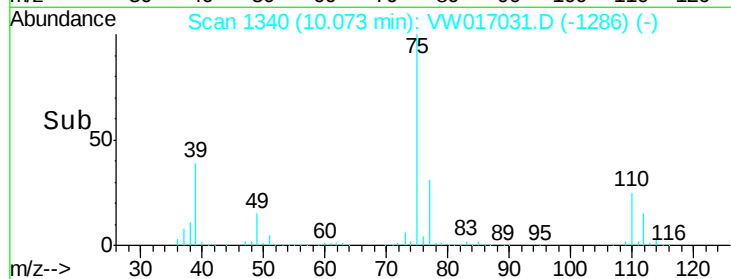
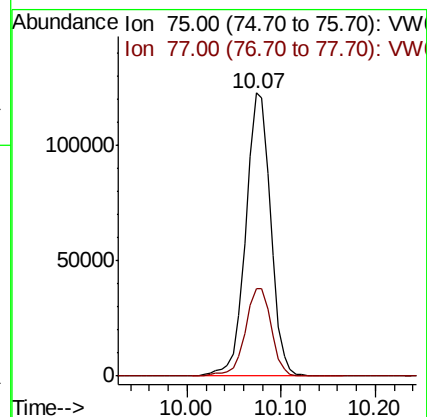
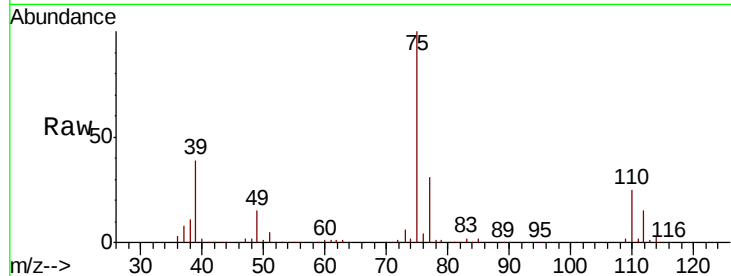
ClientSampled :

Tot Ion: 75 Resp: 227084

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 51.529 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

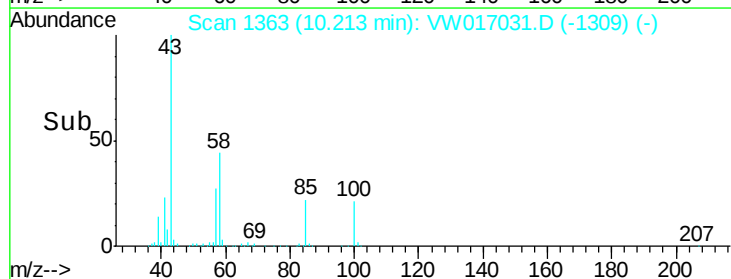
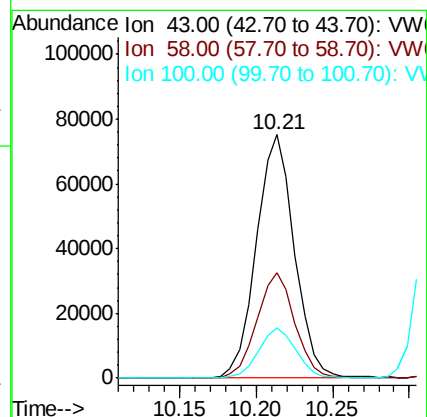
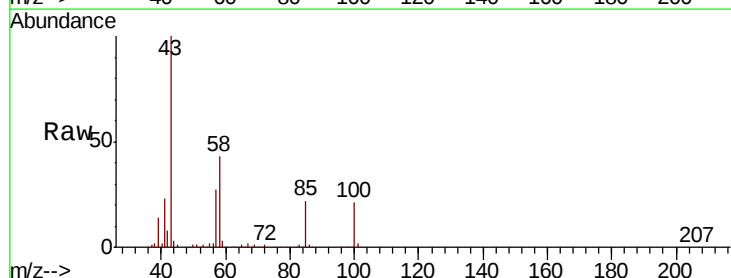
Tgt Ion: 43 Resp: 129801

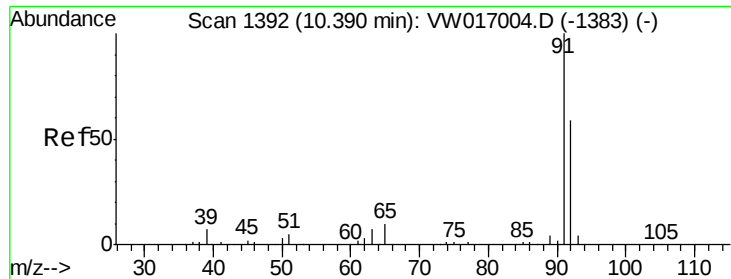
Ion Ratio Lower Upper

43 100

58 43.3 34.4 51.6

100 20.4 16.2 24.2





#44

Toluene

Concen: 28.192 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

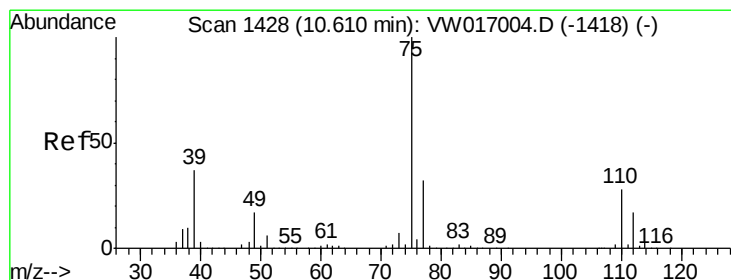
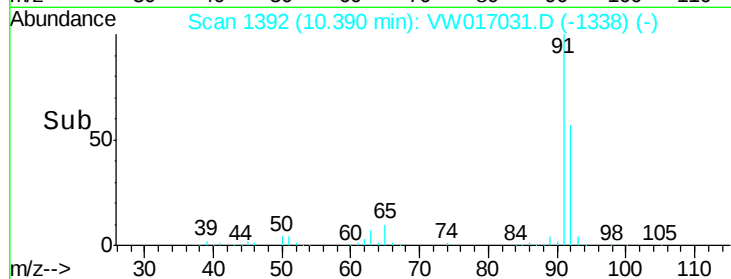
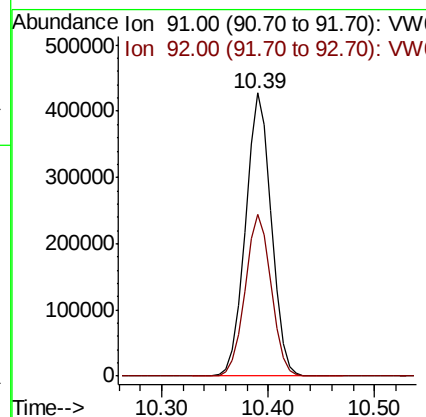
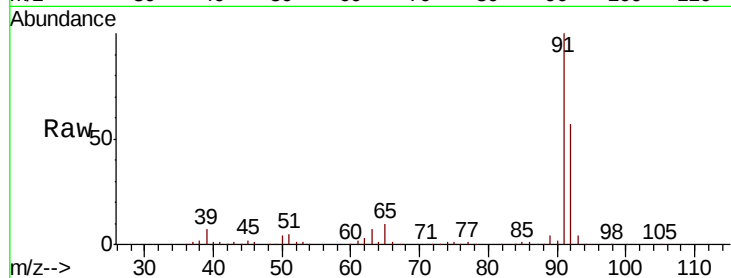
ClientSampleId :

Tot Ion: 91 Resp: 726812

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 27.514 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017031.D

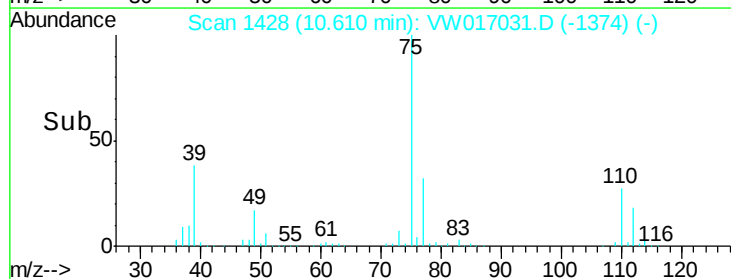
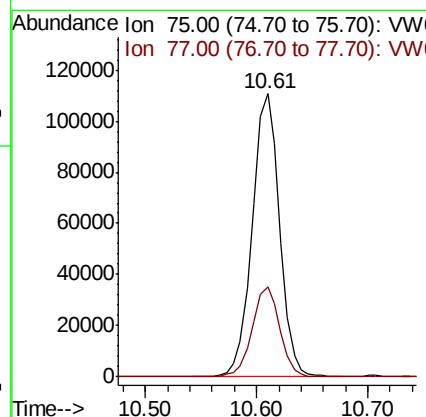
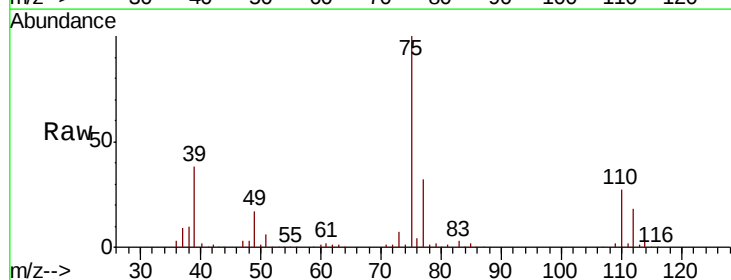
Acq: 30 Oct 2020 09:44

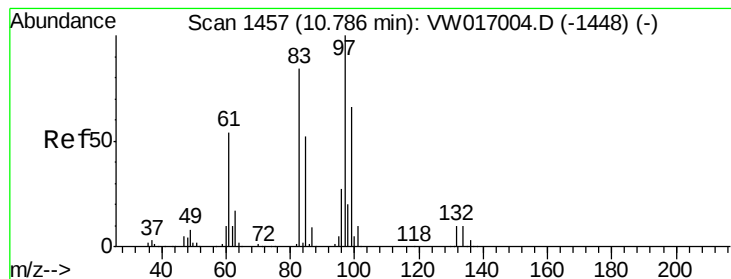
Tgt Ion: 75 Resp: 189398

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3





#46

1,1,2-Trichloroethane

Concen: 26.827 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 114111

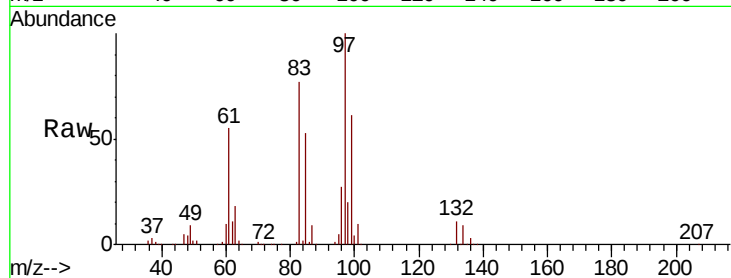
Ion Ratio Lower Upper

97 100

83 77.3 56.6 105.0

85 52.9 34.6 64.3

99 61.4 43.5 80.9



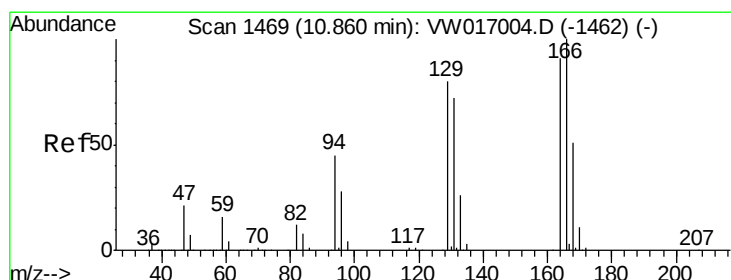
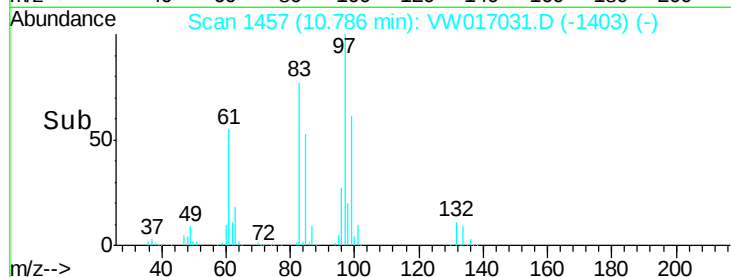
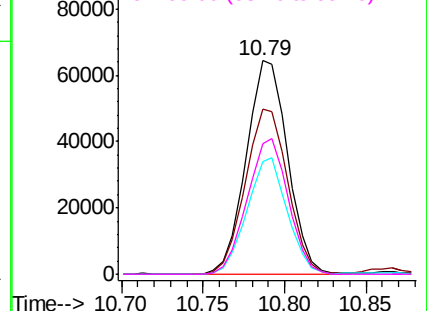
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.001 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Tgt Ion: 164 Resp: 163685

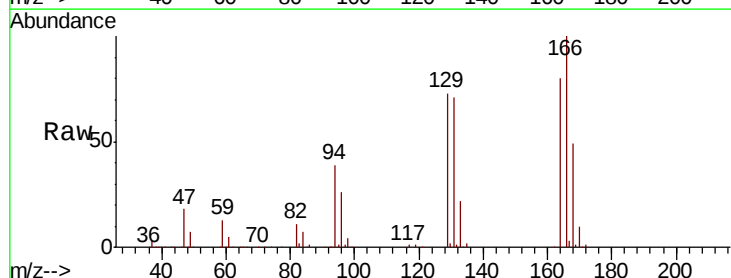
Ion Ratio Lower Upper

164 100

129 91.1 64.0 119.0

131 89.7 61.7 114.5

166 125.6 94.6 175.8



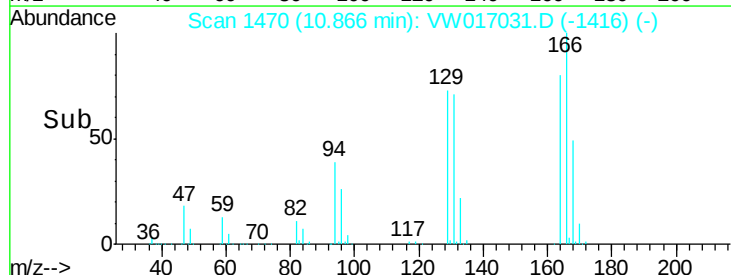
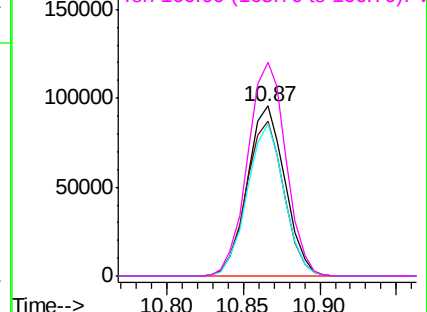
Abundance

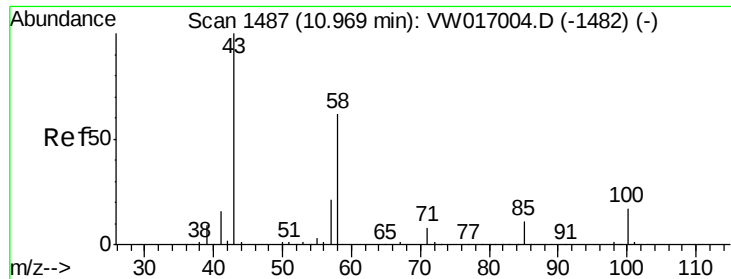
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 52.735 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 84660

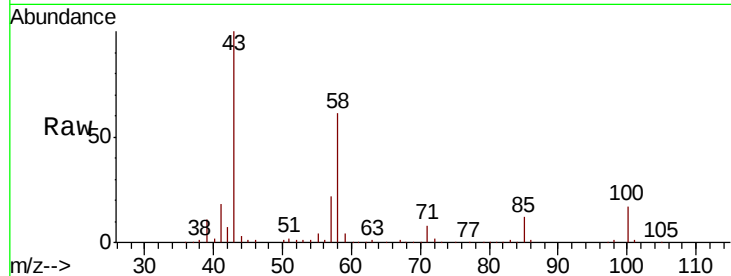
Ion Ratio Lower Upper

43 100

58 61.2 49.2 73.8

57 20.9 17.0 25.4

100 16.3 13.2 19.8

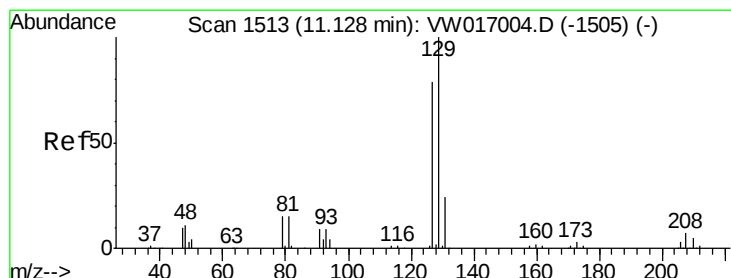
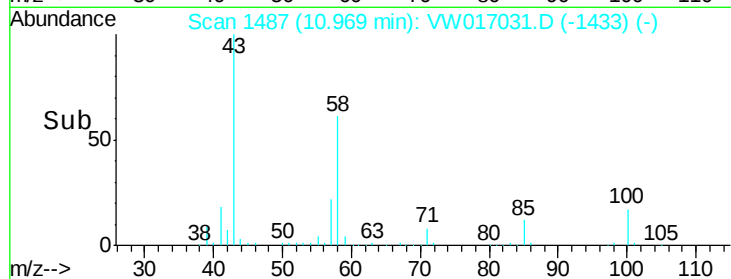
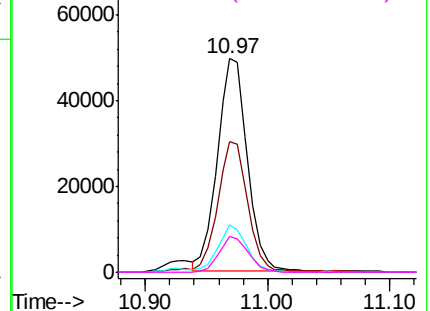


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.696 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017031.D

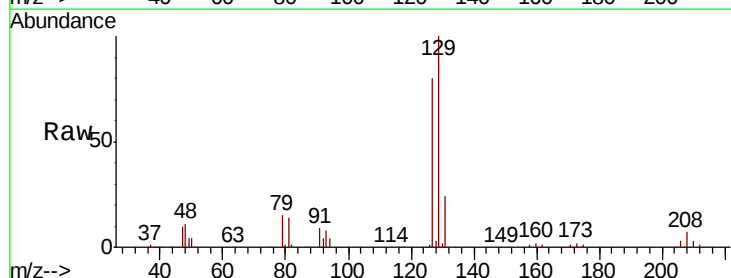
Acq: 30 Oct 2020 09:44

Tgt Ion: 129 Resp: 143517

Ion Ratio Lower Upper

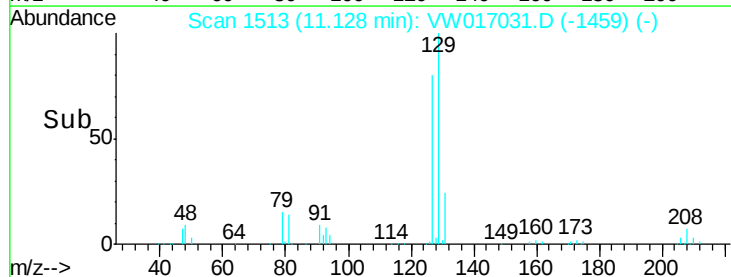
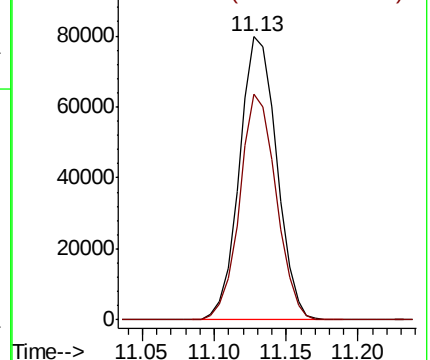
129 100

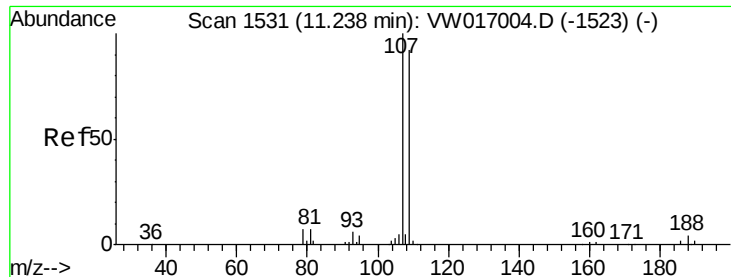
127 79.6 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

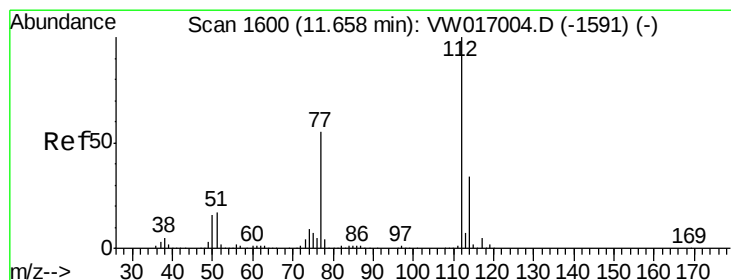
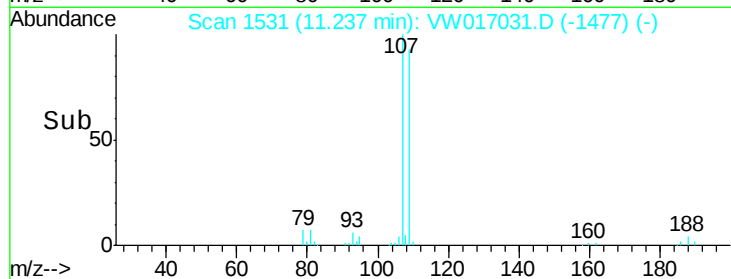
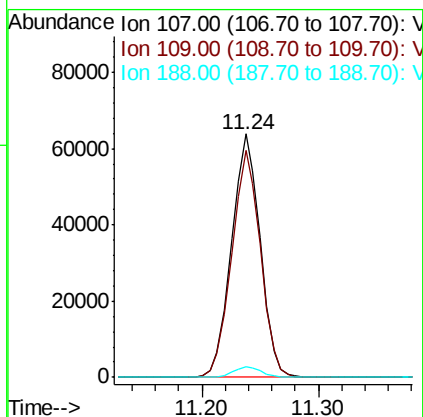
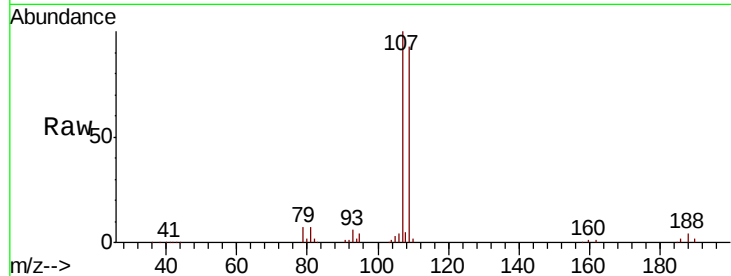




#51
 1,2-Dibromoethane
 Concen: 26.904 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

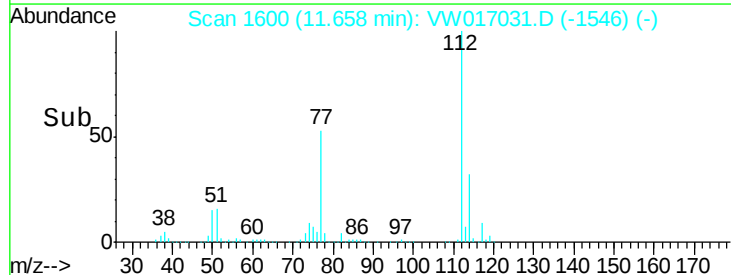
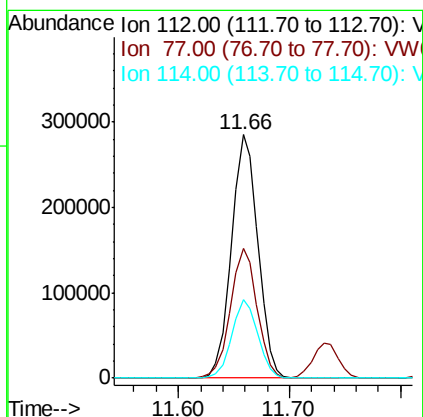
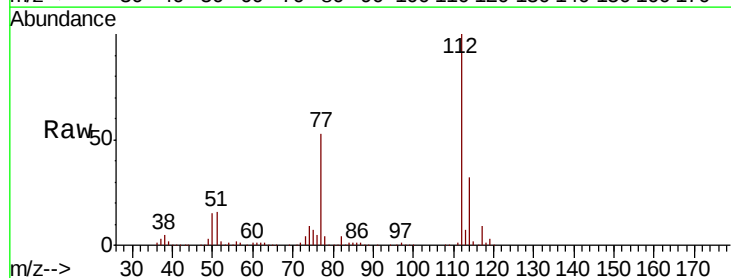
Instrument :
 MSVOA_W
 ClientSampleId :

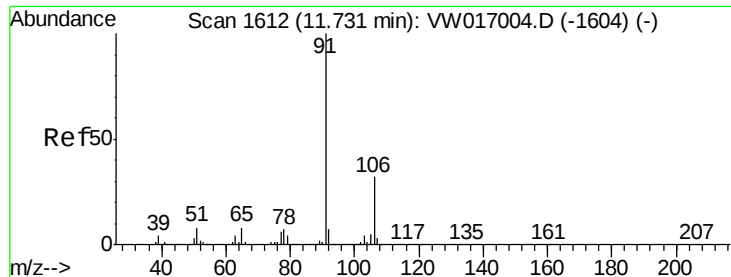
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.7	121.9
188	4.3	3.1	4.7



#52
 Chlorobenzene
 Concen: 27.177 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.2	42.5	63.7
114	32.1	22.3	41.3

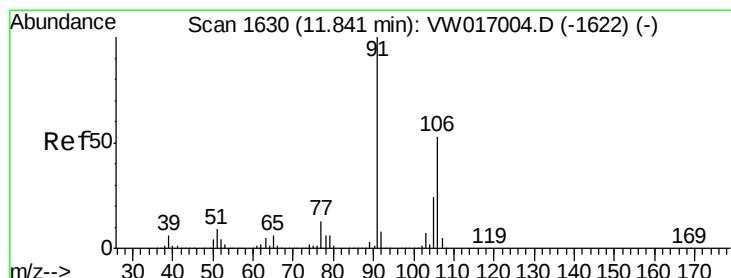
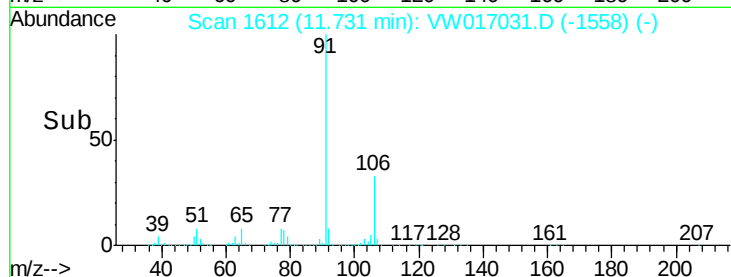
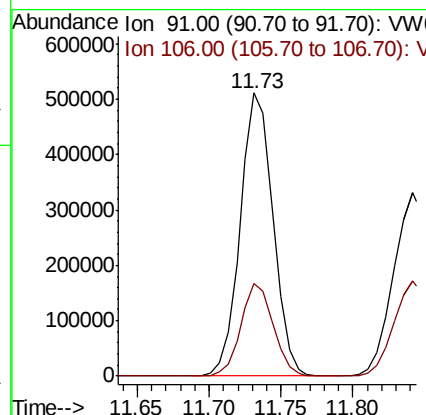
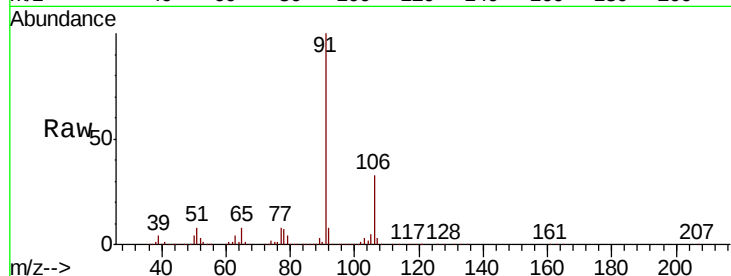




#53
Ethylbenzene
Concen: 27.951 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

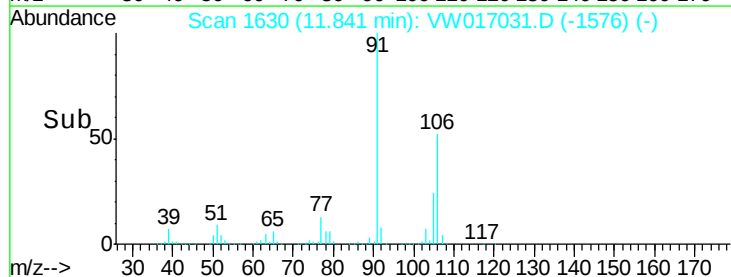
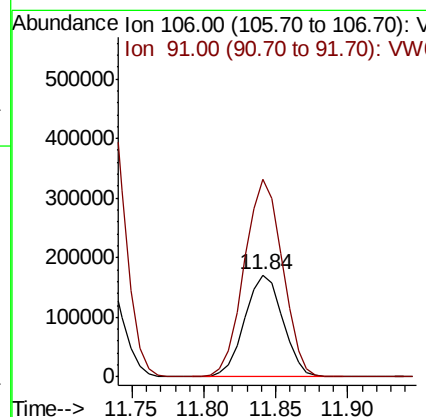
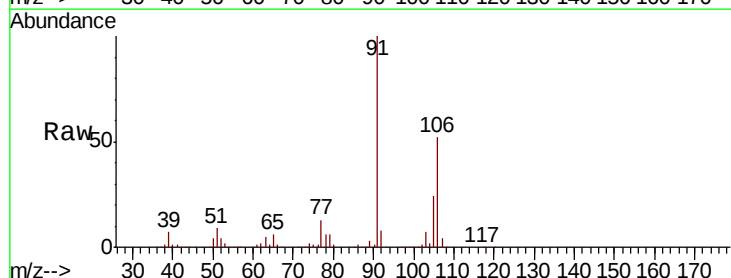
Instrument :
MSVOA_W
ClientSampled :

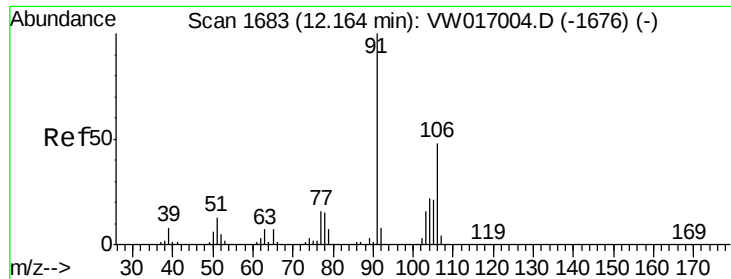
Tot Ion: 91 Resp: 809259
Ion Ratio Lower Upper
91 100
106 32.6 22.5 41.7



#54
m,p-Xylene
Concen: 27.387 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Tgt Ion: 106 Resp: 311953
Ion Ratio Lower Upper
106 100
91 194.1 134.2 249.2

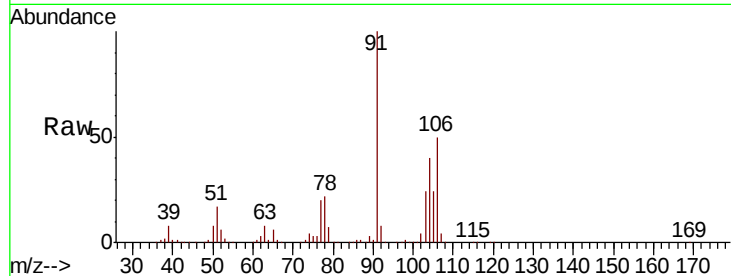




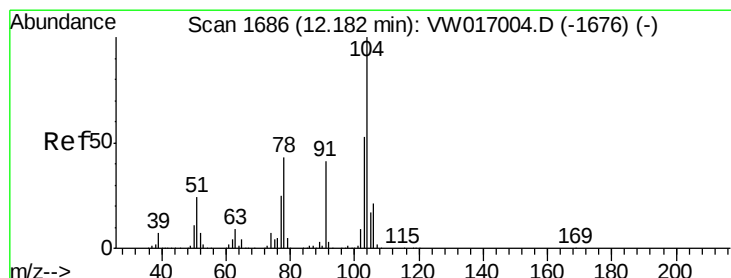
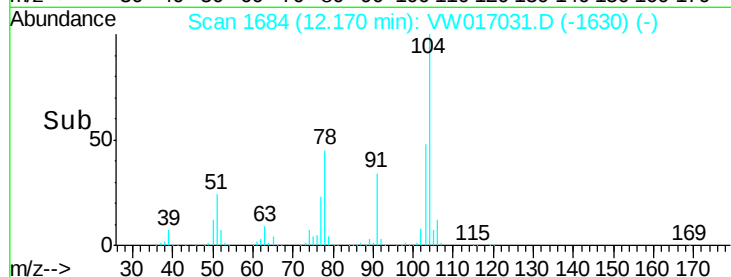
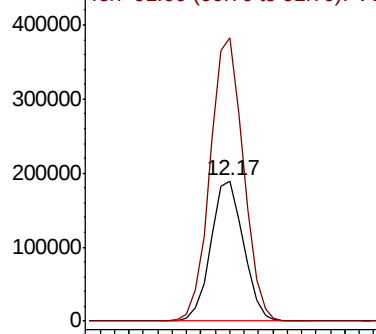
#55
o-xylene
Concen: 28.244 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 298022
Ion Ratio Lower Upper
106 100
91 202.0 150.9 280.3

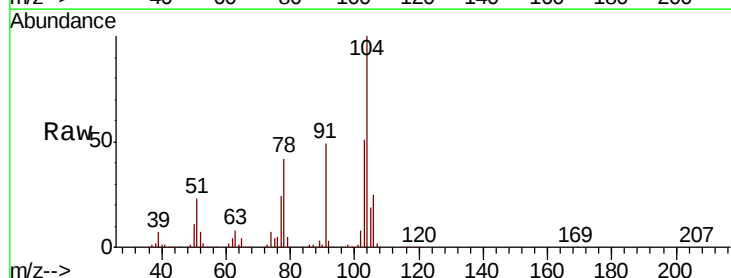


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

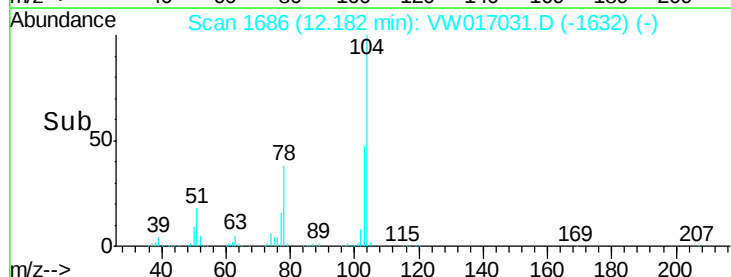
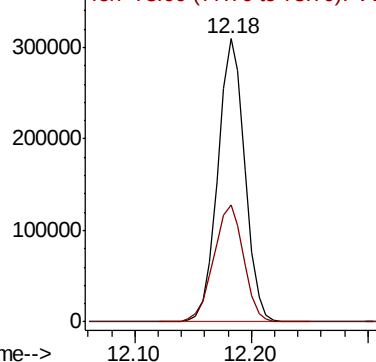


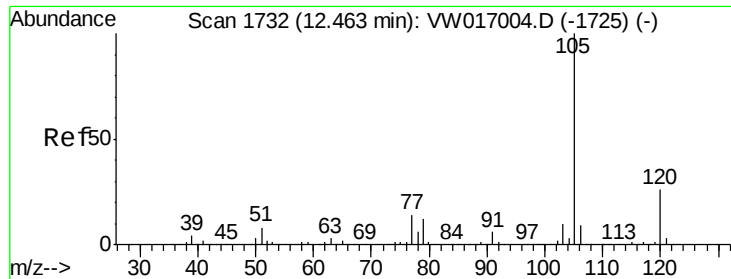
#56
Styrene
Concen: 28.353 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017031.D
Acq: 30 Oct 2020 09:44

Tgt Ion:104 Resp: 500488
Ion Ratio Lower Upper
104 100
78 41.5 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.027 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

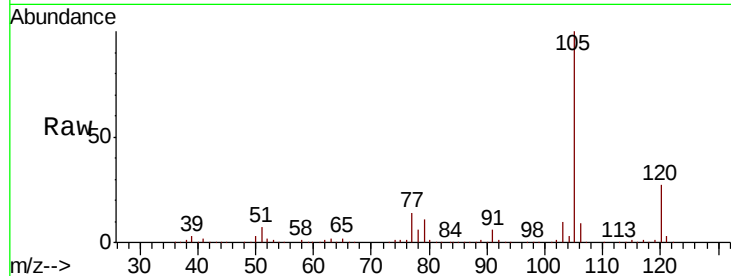
Tot Ion:105 Resp: 817987

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.2

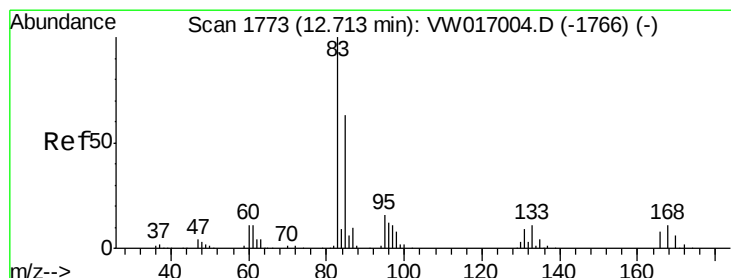
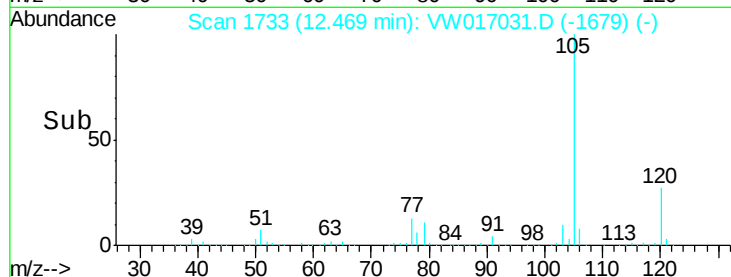
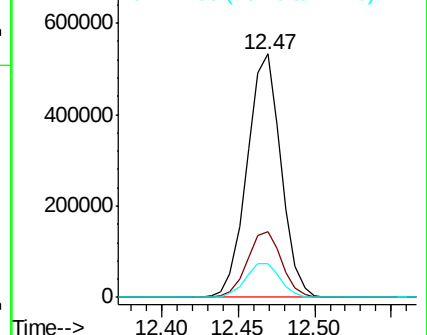
77 14.4 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.012 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

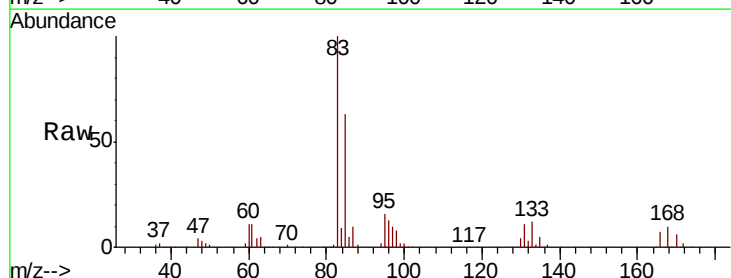
Tgt Ion: 83 Resp: 123324

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

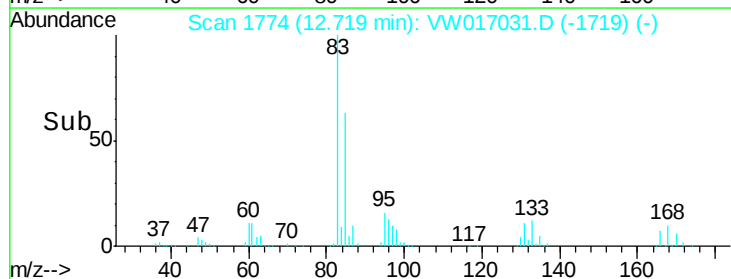
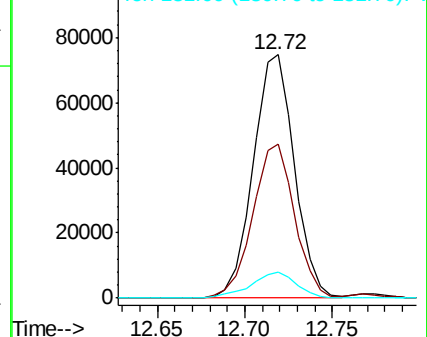
131 10.9 9.1 13.7

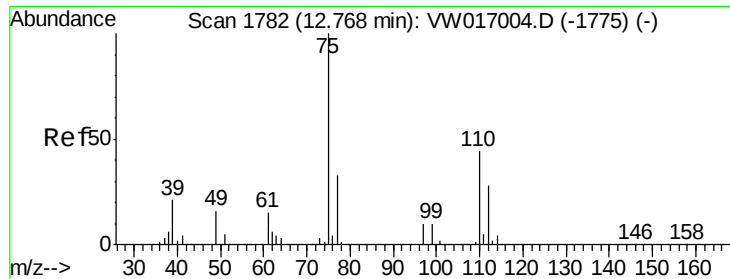


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.300 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

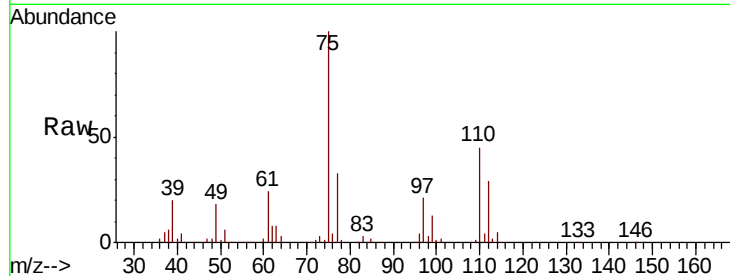
ClientSampleId :

Tot Ion: 75 Resp: 85930

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

60000

50000

40000

30000

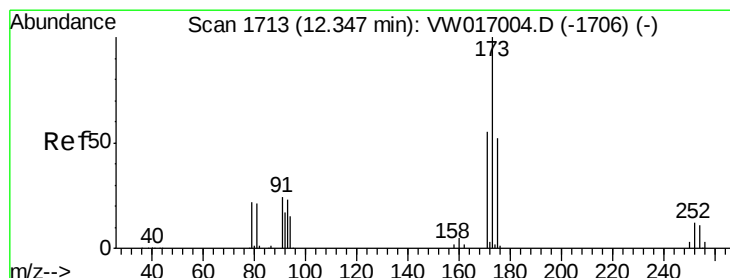
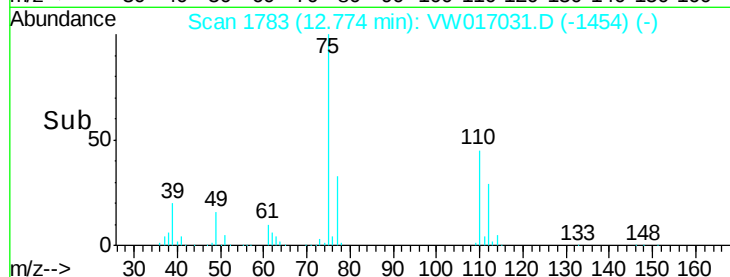
20000

10000

0

12.70 12.75 12.80

Time-->



#62

Bromoform

Concen: 26.605 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

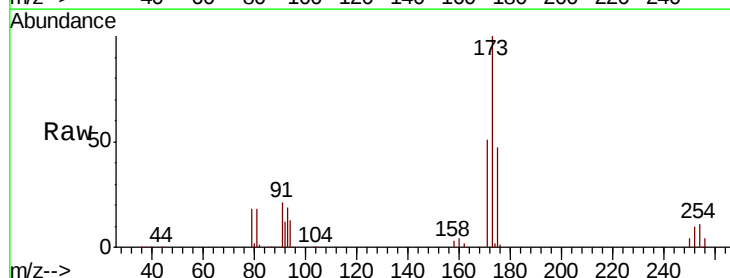
Tgt Ion: 173 Resp: 82012

Ion Ratio Lower Upper

173 100

175 48.3 38.3 57.5

254 10.4 7.8 11.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

60000

50000

40000

30000

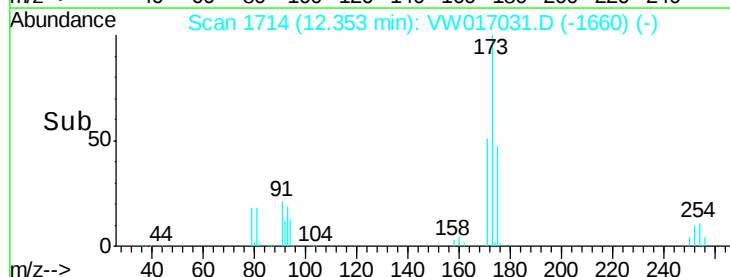
20000

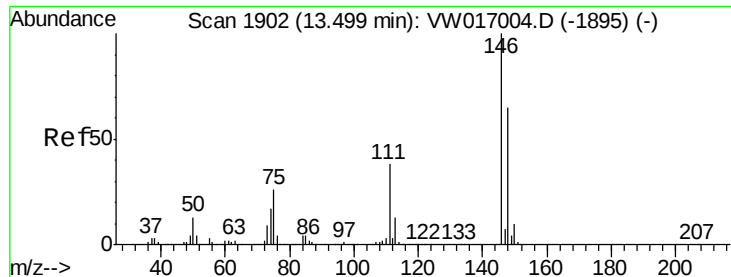
10000

0

12.30 12.35 12.40

Time-->

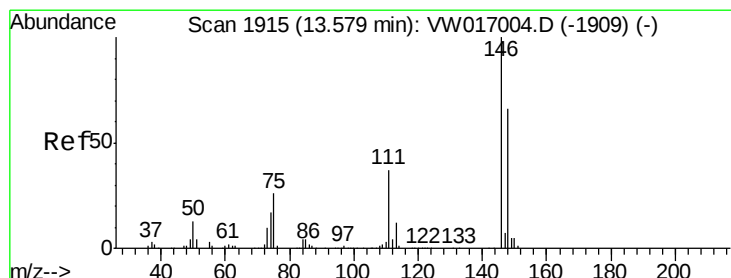
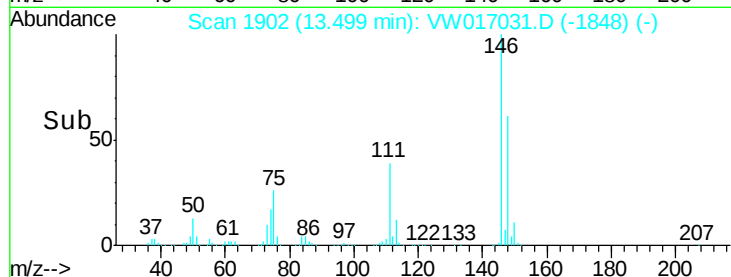
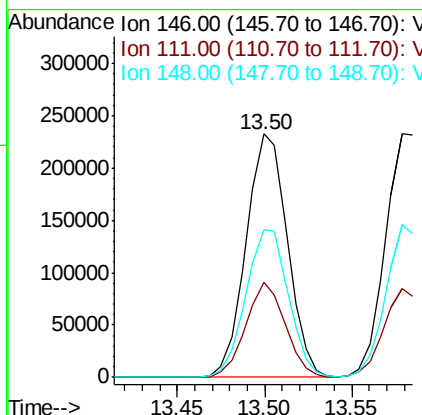
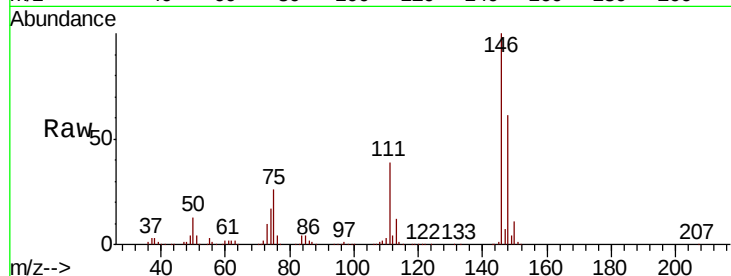




#63
 1,3-Dichlorobenzene
 Concen: 27.028 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

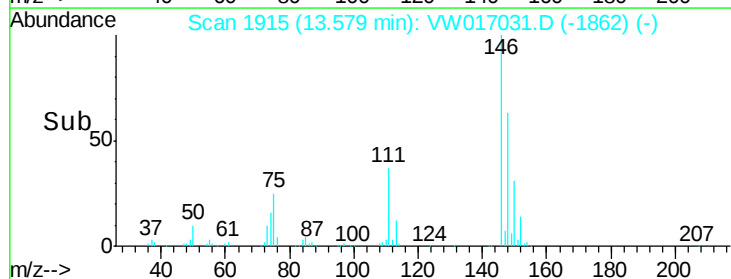
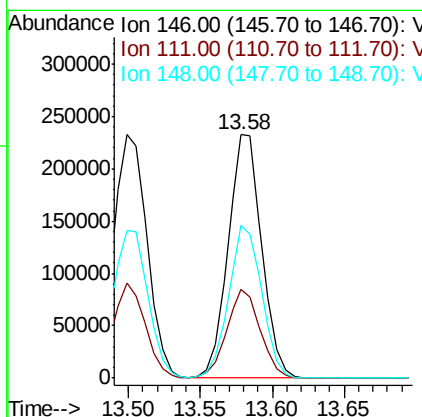
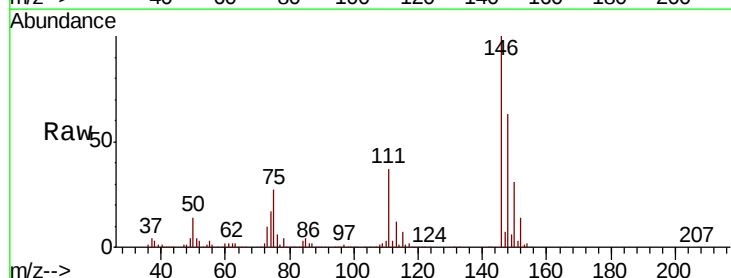
Instrument :
 MSVOA_W
 ClientSampleId :

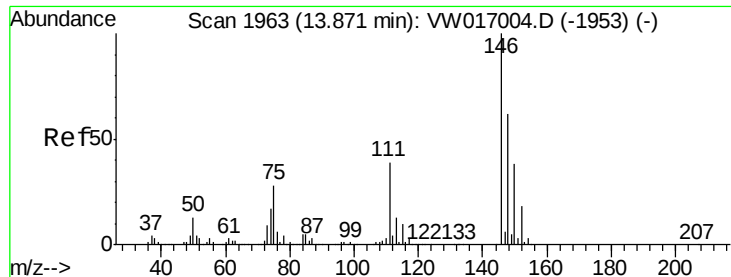
Tot Ion:146 Resp: 382578
 Ion Ratio Lower Upper
 146 100
 111 38.9 25.5 47.3
 148 60.6 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 26.839 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion:146 Resp: 378703
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.7 47.7
 148 62.6 44.3 82.3

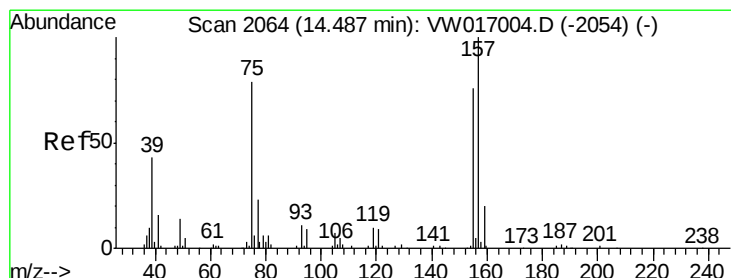
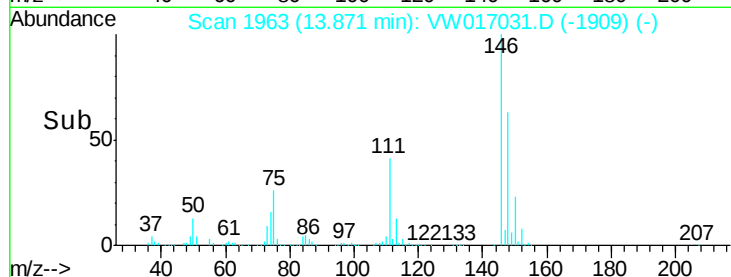
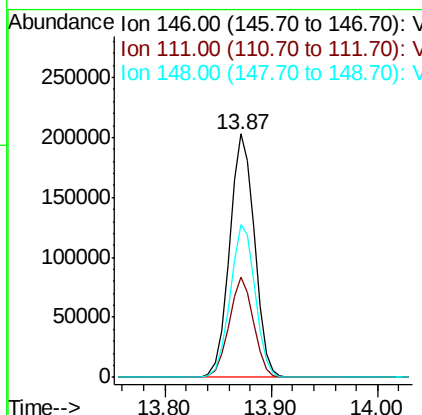
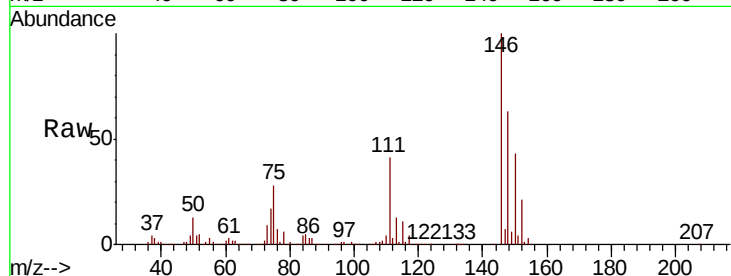




#65
 1,2-Dichlorobenzene
 Concen: 26.676 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

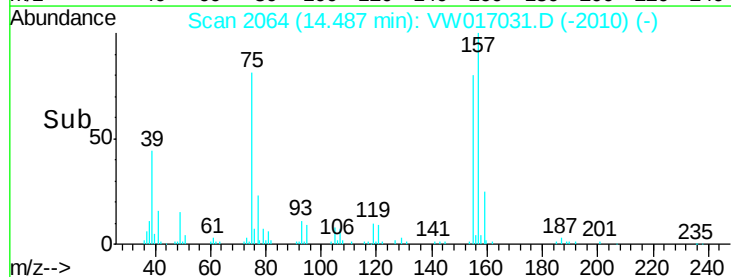
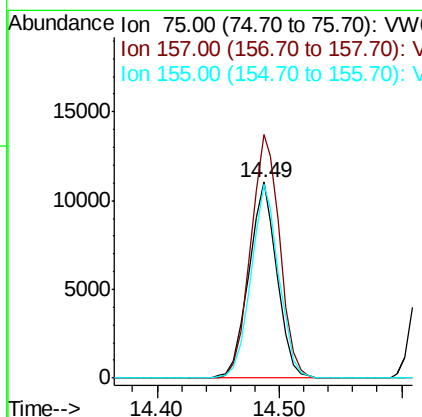
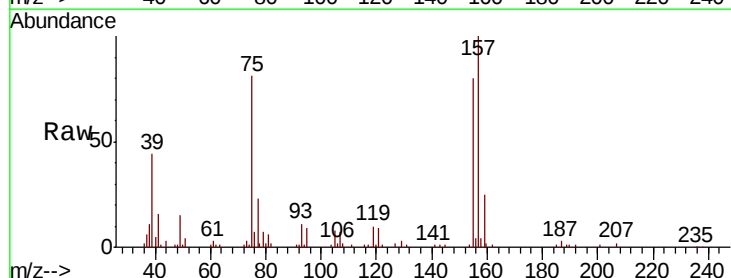
Instrument :
 MSVOA_W
 ClientSampleId :

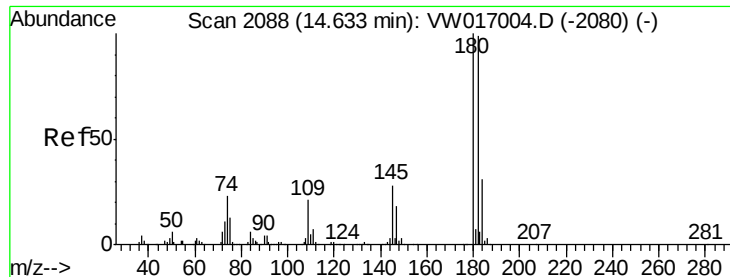
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	31.4	47.0
148	62.9	47.7	71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.983 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	124.2	102.5	153.7
155	98.7	80.3	120.5

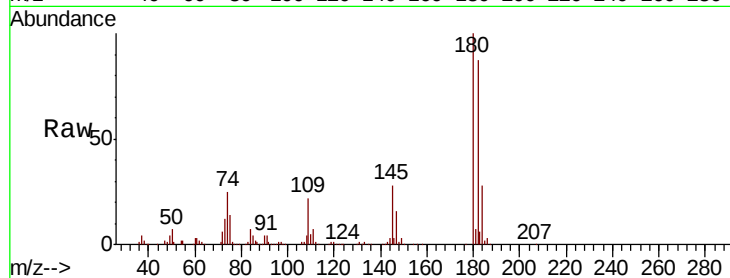




#67
 1,3,5-Trichlorobenzene
 Concen: 27.677 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	286734
Ion Ratio	100	Lower	Upper
180	100		
182	94.1	77.4	116.0
184	30.1	24.8	37.2
145	28.3	23.4	35.2



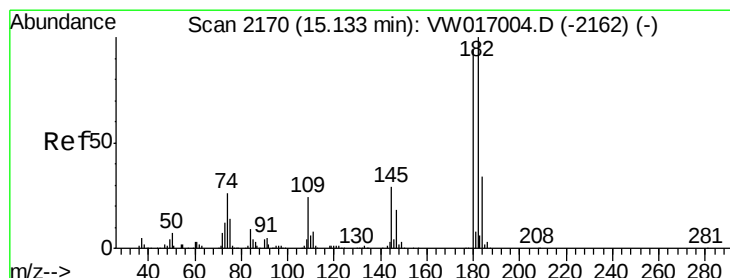
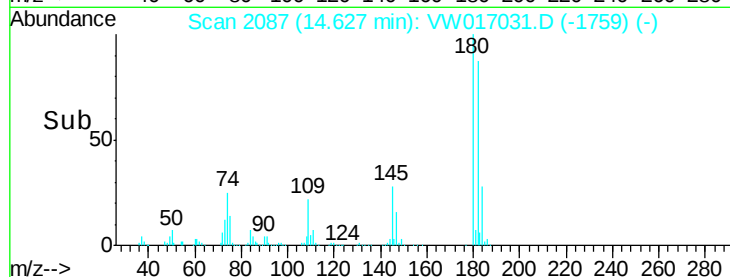
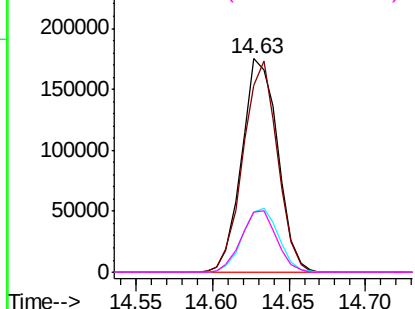
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

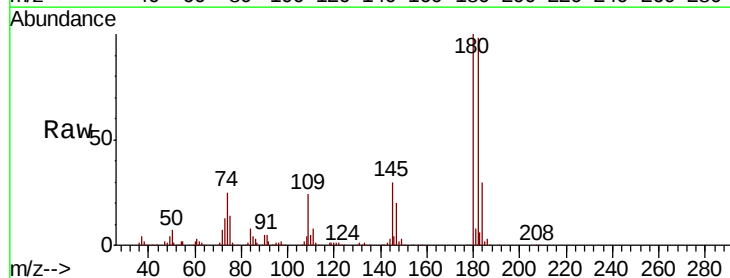
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.687 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017031.D
 Acq: 30 Oct 2020 09:44

Tgt Ion	180	Resp	222338
Ion Ratio	100	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	29.5	23.4	35.0

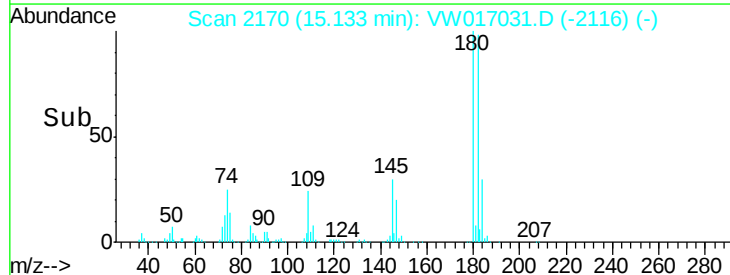
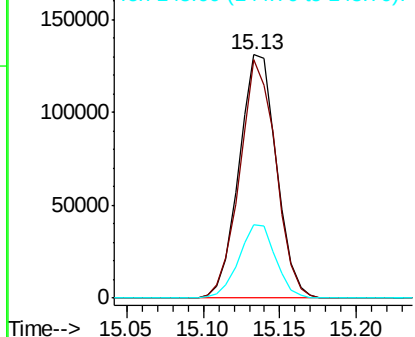


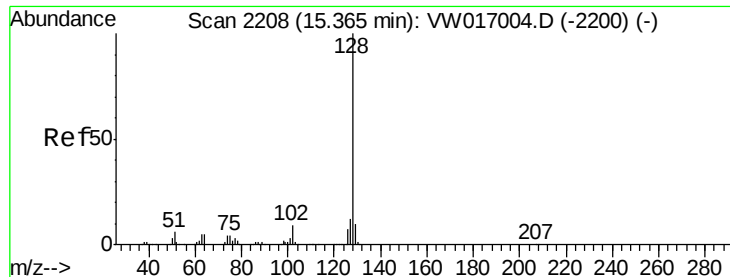
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.265 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampled :

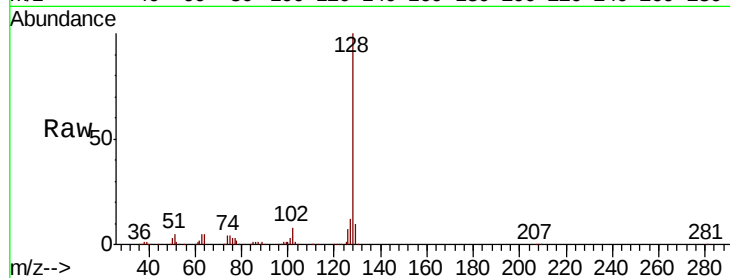
Tot Ion:128 Resp: 355135

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

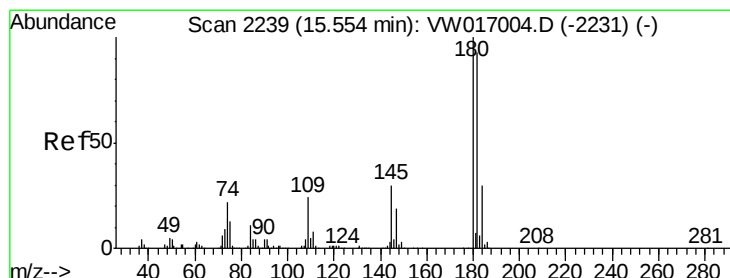
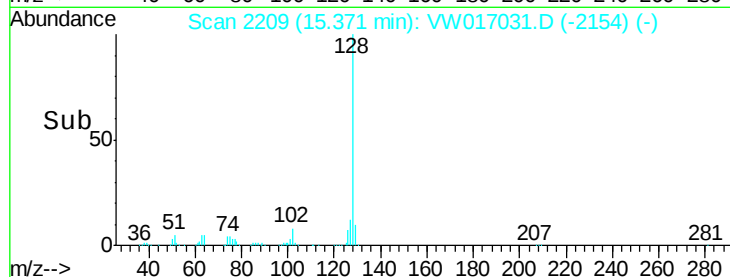
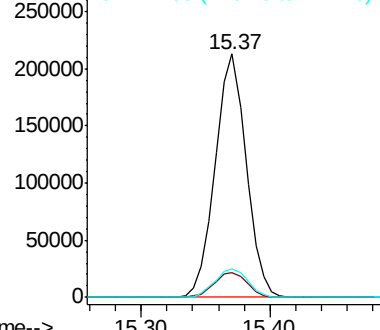
127 12.6 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.106 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017031.D

Acq: 30 Oct 2020 09:44

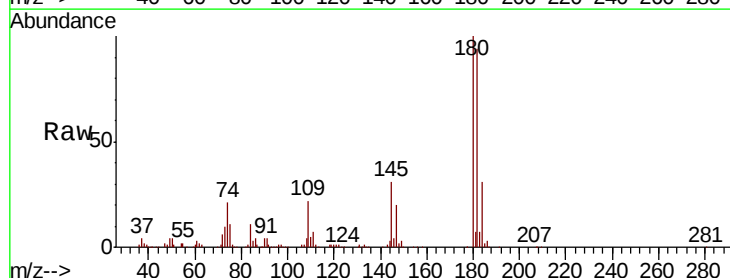
Tgt Ion:180 Resp: 196679

Ion Ratio Lower Upper

180 100

182 91.2 76.8 115.2

145 30.5 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

