

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110520\
 Data File : VW017086.D
 Acq On : 05 Nov 2020 09:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 06 04:13:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 16:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	498648	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	460207	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	223400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	164667	26.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.88%
7) Chloroethane-d5	2.90	69	123614	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.16%
10) 1,1-Dichloroethene-d2	4.03	63	284766	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.40%
20) 2-Butanone-d5	7.08	46	57688	41.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.14%
24) Chloroform-d	7.65	84	291271	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	8.31	65	135479	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.64%
29) Benzene-d6	8.27	84	576080	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	156867	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
37) Toluene-d8	10.32	98	542640	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.24%
38) trans-1,3-Dichloropropene-	10.58	79	68487	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.72%
39) 2-Hexanone-d5	10.93	63	46006	40.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123695	21.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	192318	24.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	129000	25.785	ug/L	99
3) Chloromethane	2.22	50	112590	24.796	ug/L	100
5) Vinyl chloride	2.37	62	172817	25.950	ug/L	100
6) Bromomethane	2.79	94	119511	25.949	ug/L	96
8) Chloroethane	2.93	64	104050	25.895	ug/L	98
9) Trichlorofluoromethane	3.26	101	147441	27.221	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	166137	25.812	ug/L	99
12) 1,1-Dichloroethene	4.04	96	154516	24.967	ug/L	94
13) Acetone	4.13	43	36402	38.707	ug/L	99
14) Carbon disulfide	4.39	76	415242	24.654	ug/L	99
15) Methyl Acetate	4.68	43	47936	20.565	ug/L	98
16) Methylene chloride	4.92	84	152996	22.758	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	184147	24.367	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	157773	24.627	ug/L	97
19) 1,1-Dichloroethane	6.23	63	254936	25.117	ug/L	100
21) 2-Butanone	7.17	43	59639	39.495	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	164730	24.319	ug/L	95

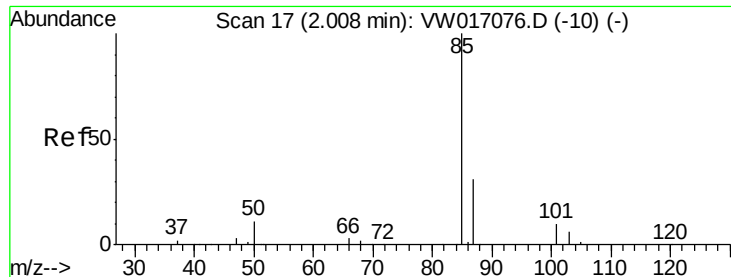
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110520\
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 16:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	78156	23.965	ug/L	98
25) Chloroform	7.68	83	277051	25.071	ug/L	100
27) 1,2-Dichloroethane	8.40	62	156450	23.625	ug/L	98
30) Cyclohexane	7.96	56	216677	25.006	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	245794	26.081	ug/L	99
32) Carbon tetrachloride	8.07	117	232275	25.542	ug/L	99
34) Benzene	8.33	78	598313	24.759	ug/L	100
35) Trichloroethene	9.09	95	166733	24.631	ug/L	100
36) Methylcyclohexane	9.34	83	272122	24.982	ug/L	100
40) 1,2-Dichloropropane	9.37	63	136077	24.089	ug/L	99
41) Bromodichloromethane	9.65	83	187994	24.062	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	220378	24.630	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	135018	38.741	ug/L	100
44) Toluene	10.39	91	663214	24.933	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	182754	23.784	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	109812	22.547	ug/L	99
47) Tetrachloroethene	10.87	164	151061	24.734	ug/L	97
49) 2-Hexanone	10.97	43	85160	40.531	ug/L	98
50) Dibromochloromethane	11.13	129	139344	23.484	ug/L	99
51) 1,2-Dibromoethane	11.24	107	104433	22.071	ug/L	99
52) Chlorobenzene	11.66	112	441567	24.544	ug/L	99
53) Ethylbenzene	11.73	91	736631	24.793	ug/L	100
54) m,p-Xylene	11.84	106	288392	24.814	ug/L	100
55) o-xylene	12.17	106	275582	24.982	ug/L	98
56) Styrene	12.18	104	468977	25.321	ug/L	98
57) Isopropylbenzene	12.46	105	768616	25.674	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	121362	21.570	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	85946	21.252	ug/L	100
62) Bromoform	12.35	173	77867	22.707	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	348443	25.073	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	348776	24.981	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	312263	24.917	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17722	21.388	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	259738	25.364	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	205673	25.167	ug/L	98
69) Naphthalene	15.37	128	340778	22.660	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	175429	23.494	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.785 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

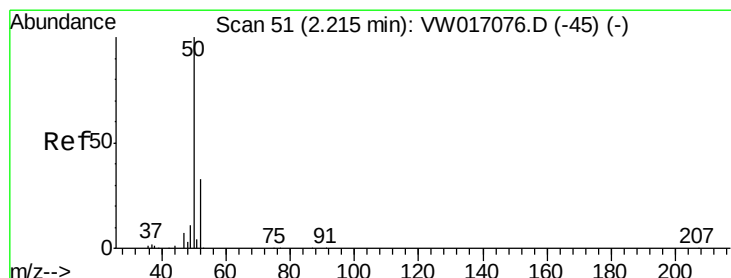
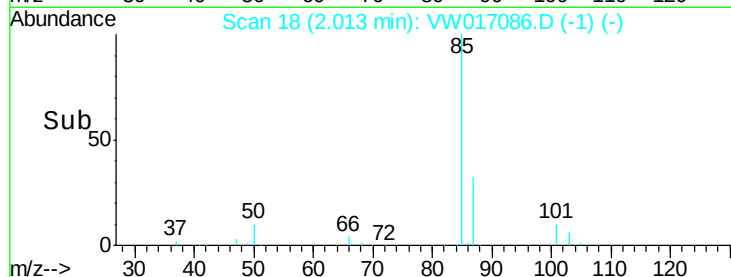
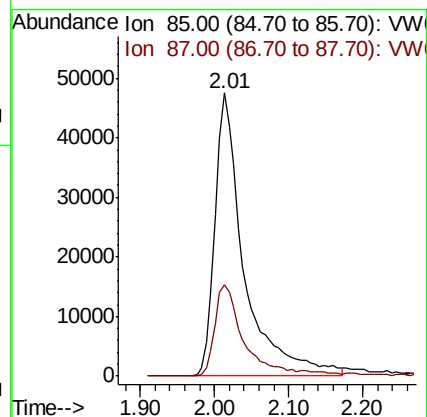
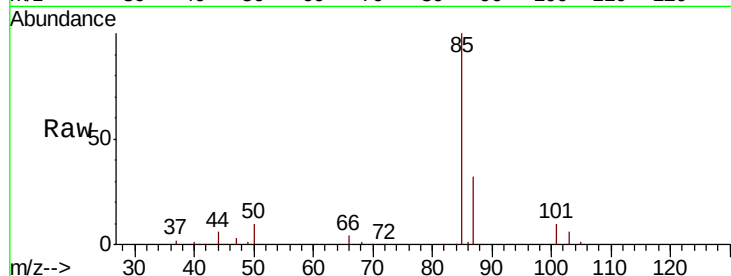
ClientSampled :

Tot Ion: 85 Resp: 129000

Ion Ratio Lower Upper

85 100

87 31.0 21.5 39.9



#3

Chloromethane

Concen: 24.796 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017086.D

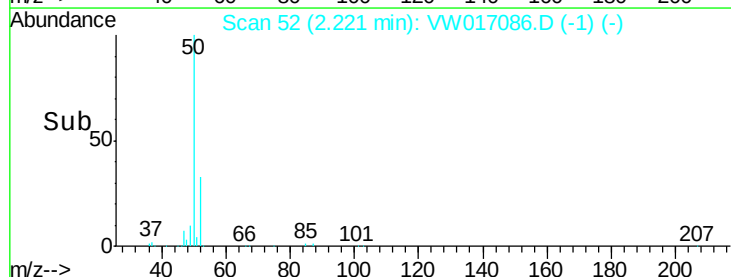
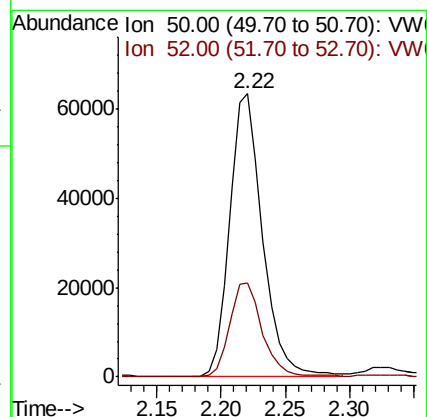
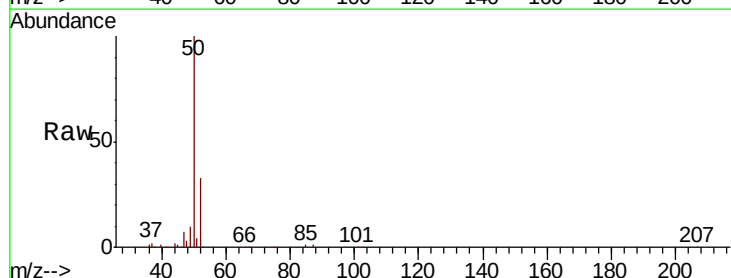
Acq: 05 Nov 2020 09:04

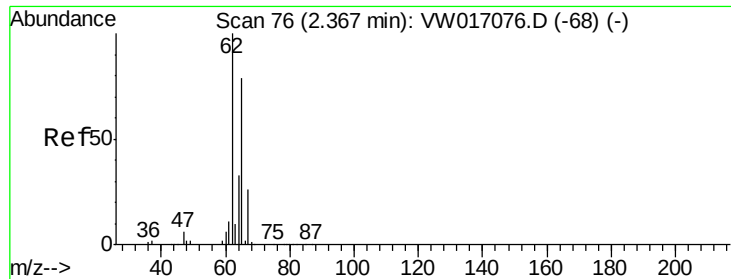
Tgt Ion: 50 Resp: 112590

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 25.950 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

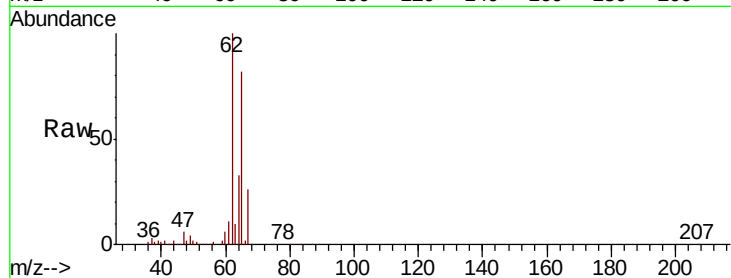
ClientSampleId :

Tot Ion: 62 Resp: 172817

Ion Ratio Lower Upper

62 100

64 33.1 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

100000

80000

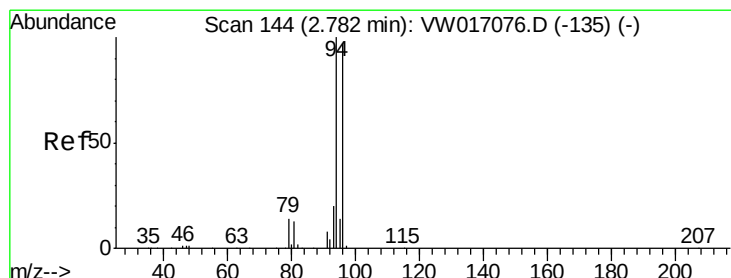
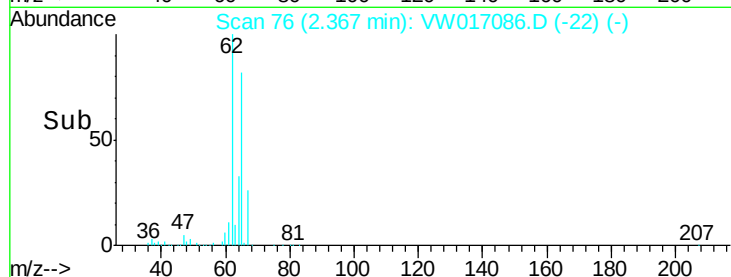
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 25.949 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017086.D

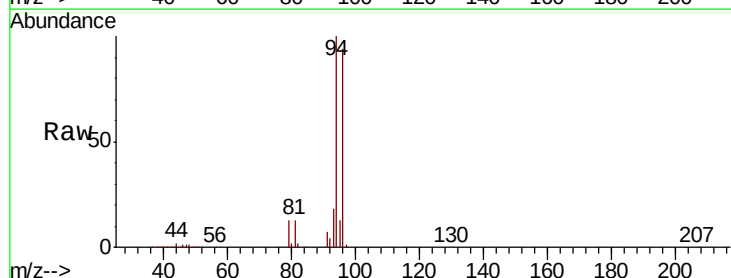
Acq: 05 Nov 2020 09:04

Tgt Ion: 94 Resp: 119511

Ion Ratio Lower Upper

94 100

96 92.2 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

60000

50000

40000

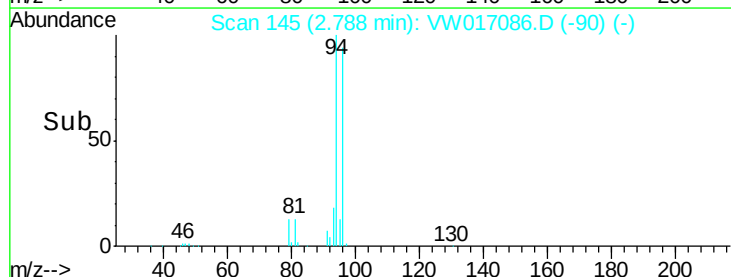
30000

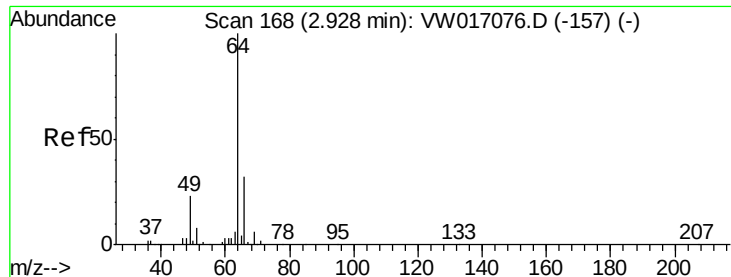
20000

10000

0

Time-->

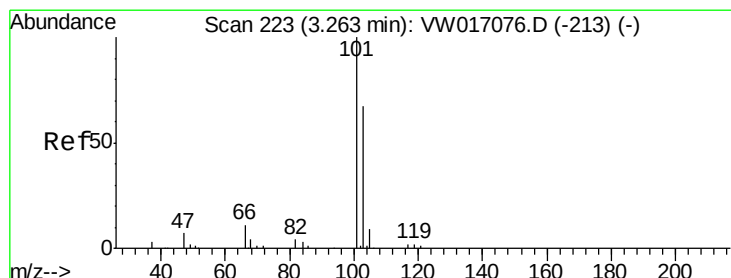
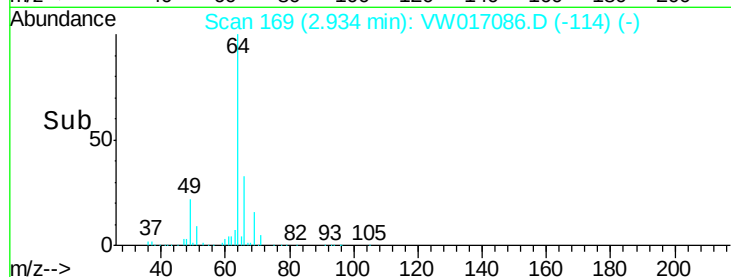
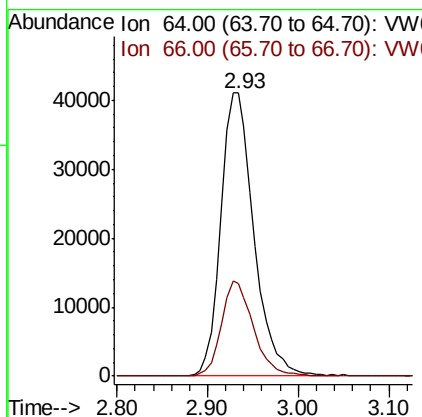
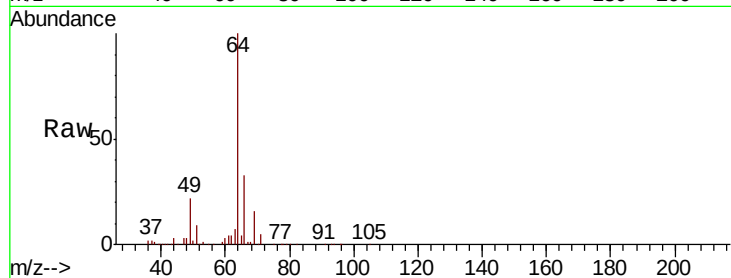




#8
Chloroethane
Concen: 25.895 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

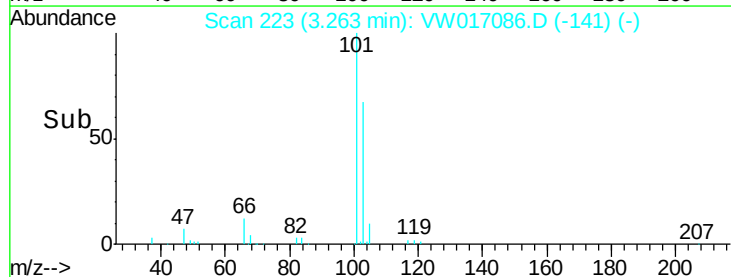
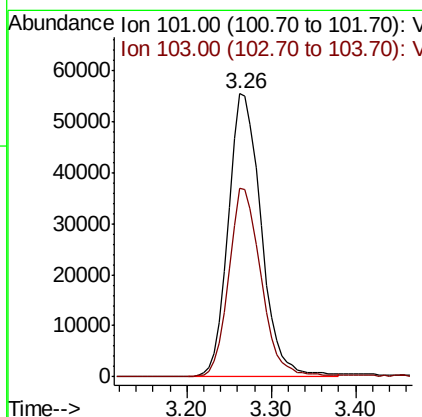
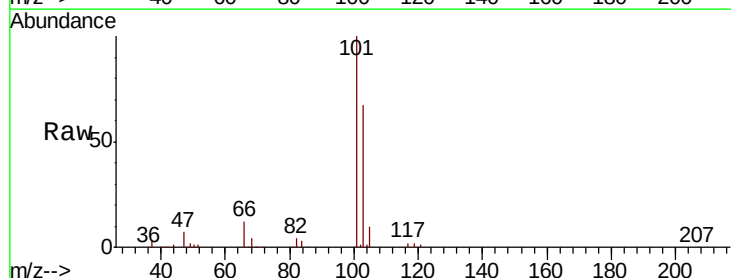
Instrument :
MSVOA_W
ClientSampleId :

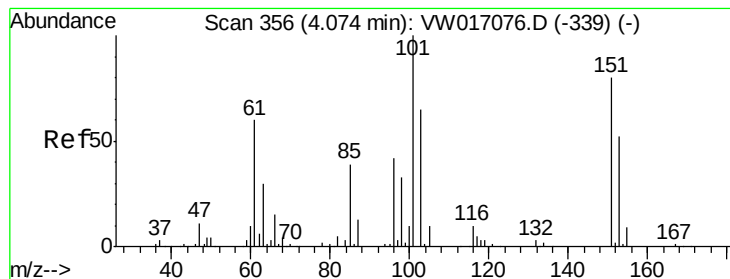
Tot Ion: 64 Resp: 104050
Ion Ratio Lower Upper
64 100
66 32.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 27.221 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion: 101 Resp: 147441
Ion Ratio Lower Upper
101 100
103 64.7 45.4 84.2





#11

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

Concen: 25.812 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampled :

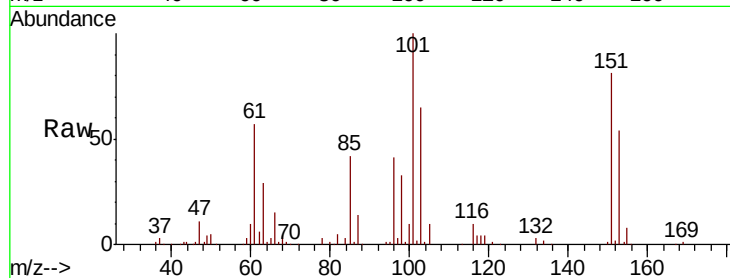
Tot Ion:101 Resp: 166137

Ion Ratio Lower Upper

101 100

85 40.8 32.8 49.2

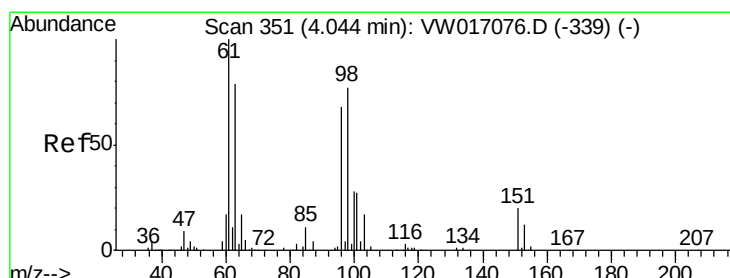
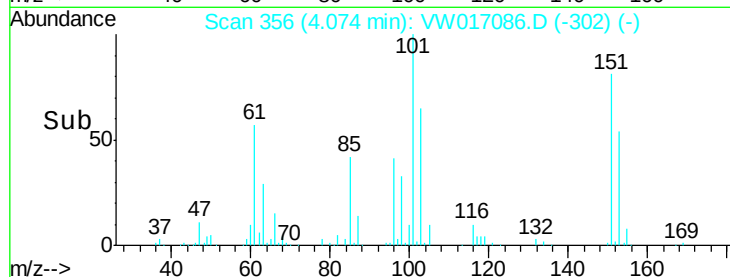
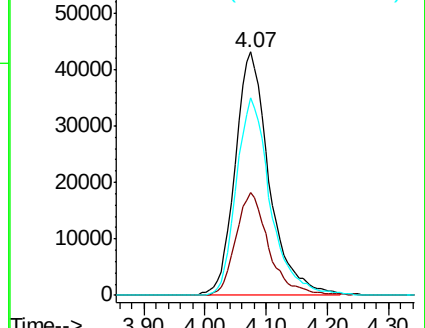
151 81.1 65.4 98.2



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: 24.967 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

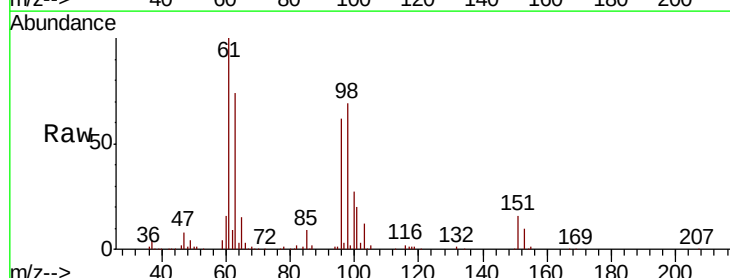
Tgt Ion: 96 Resp: 154516

Ion Ratio Lower Upper

96 100

61 160.3 103.8 192.8

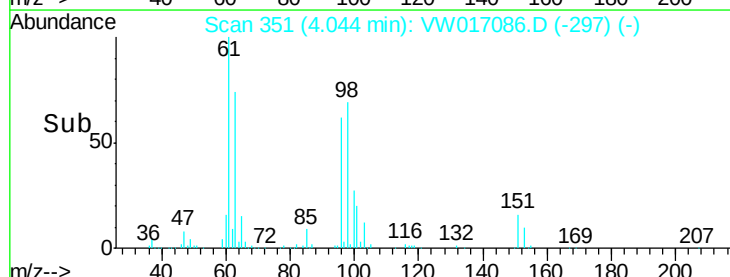
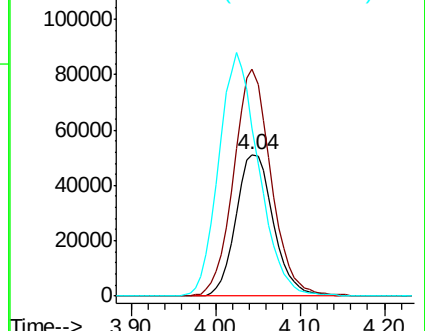
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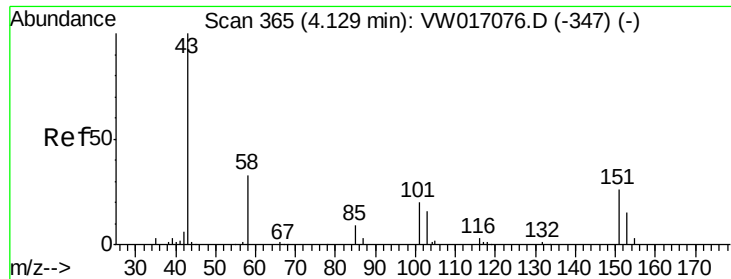


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.707 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

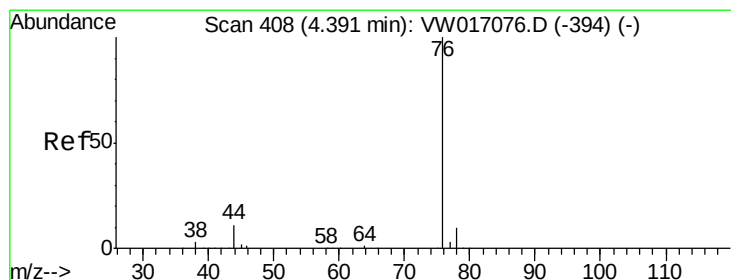
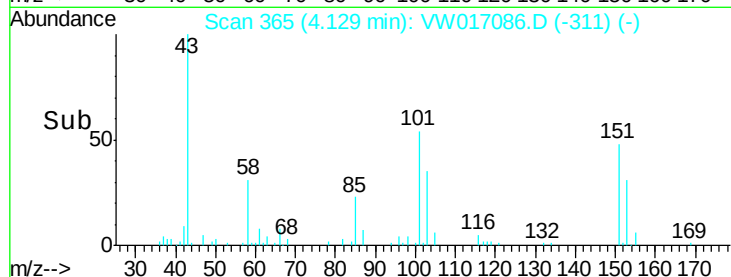
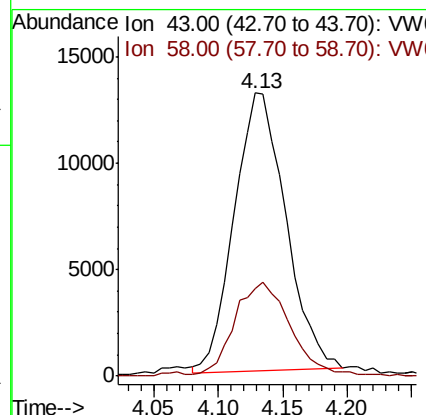
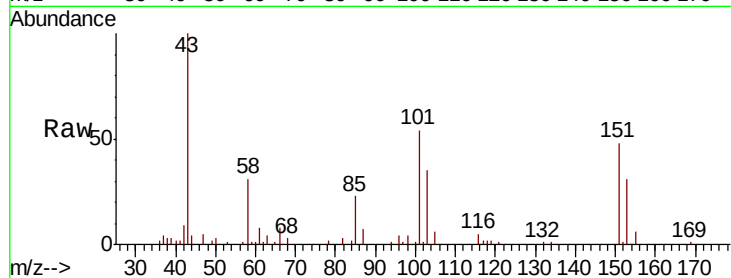
ClientSampled :

Tot Ion: 43 Resp: 36402

Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.2



#14

Carbon disulfide

Concen: 24.654 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017086.D

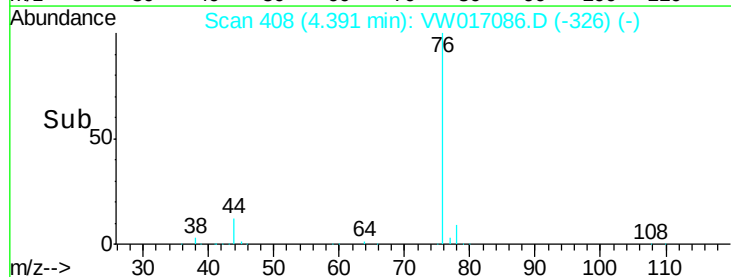
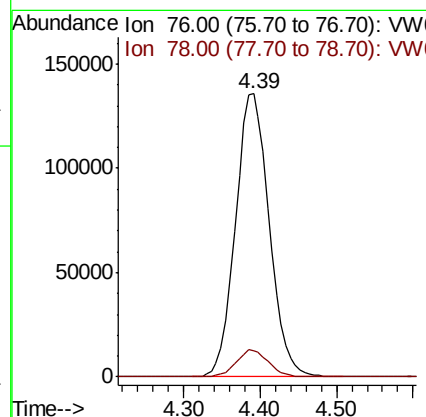
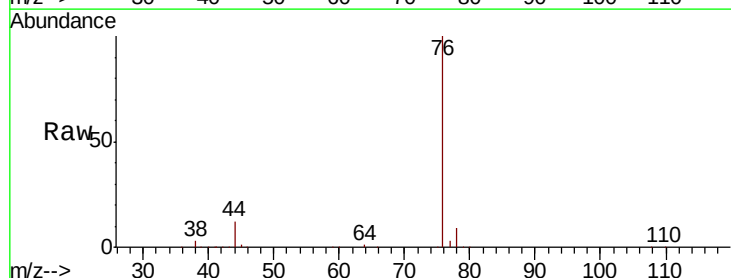
Acq: 05 Nov 2020 09:04

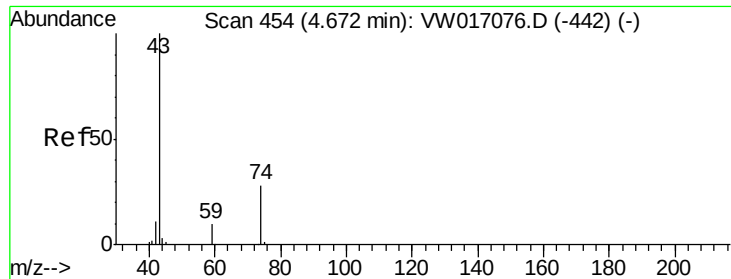
Tgt Ion: 76 Resp: 415242

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

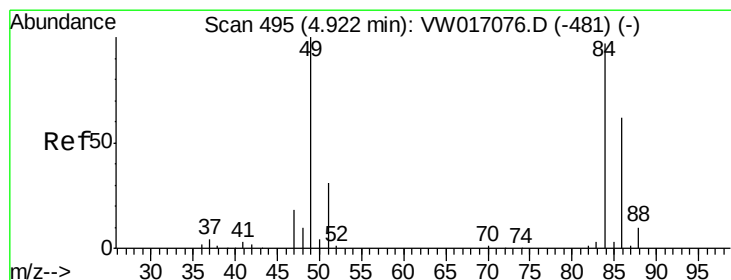
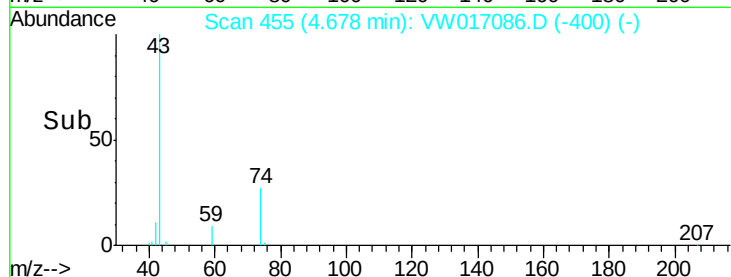
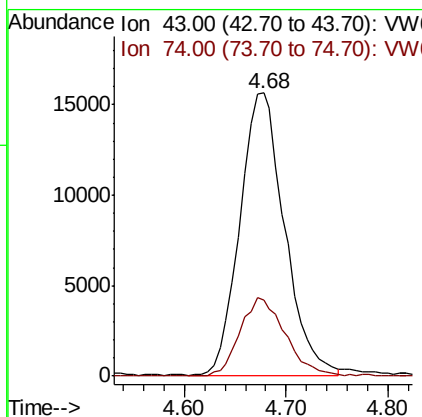
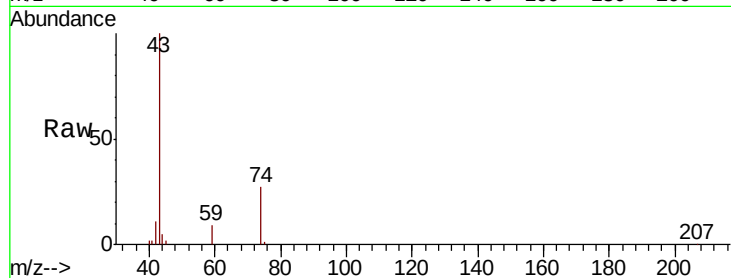




#15
Methyl Acetate
Concen: 20.565 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

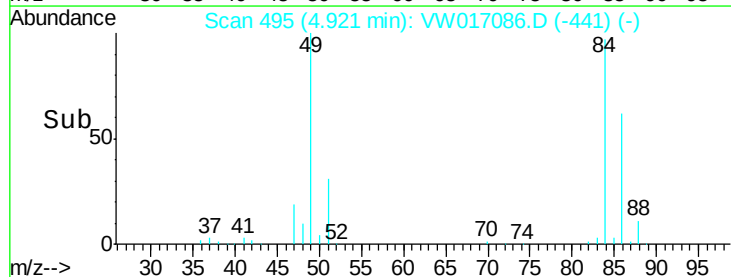
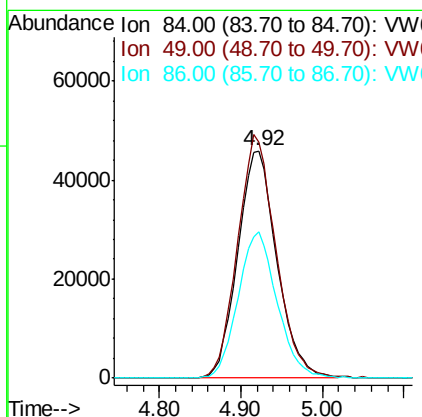
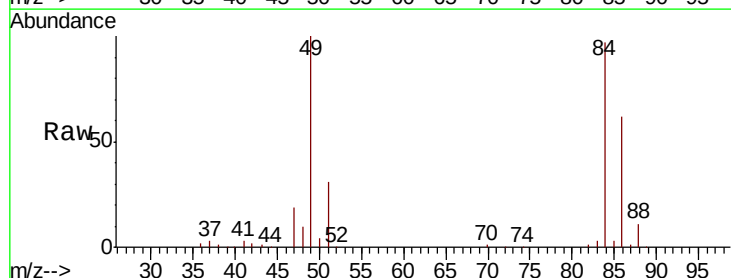
Instrument :
MSVOA_W
ClientSampleId :

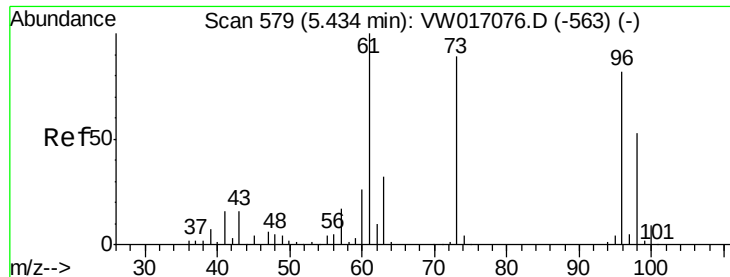
Tot Ion: 43 Resp: 47936
Ion Ratio Lower Upper
43 100
74 27.7 21.5 32.3



#16
Methylene chloride
Concen: 22.758 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion: 84 Resp: 152996
Ion Ratio Lower Upper
84 100
49 103.5 72.3 134.3
86 64.1 45.1 83.7



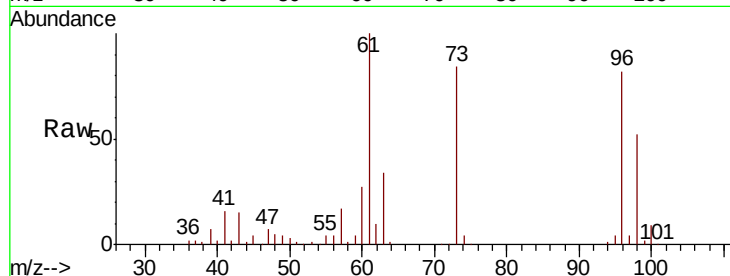


#17

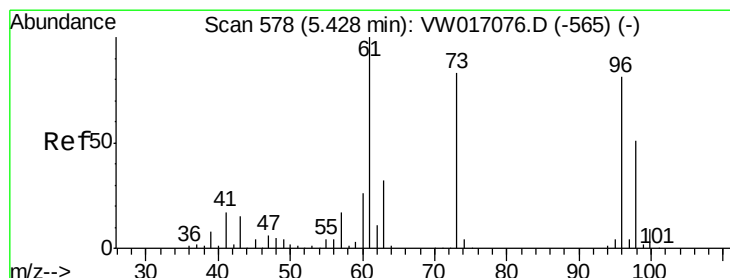
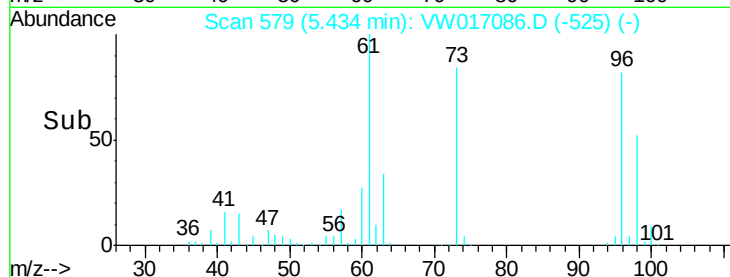
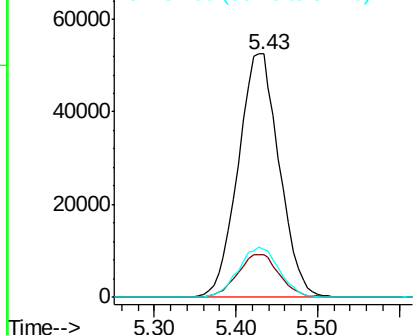
Methyl tert-butyl Ether
 Concen: 24.367 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 184147
 Ion Ratio Lower Upper
 73 100
 43 18.0 14.5 21.7
 57 20.7 16.3 24.5



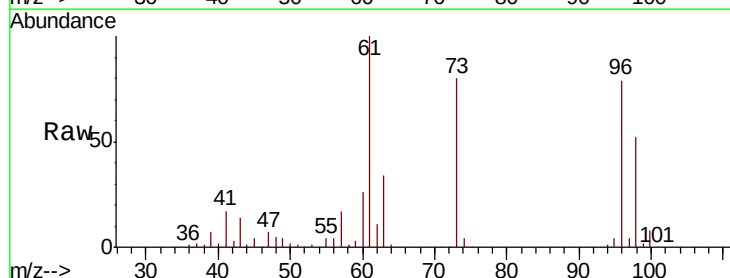
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



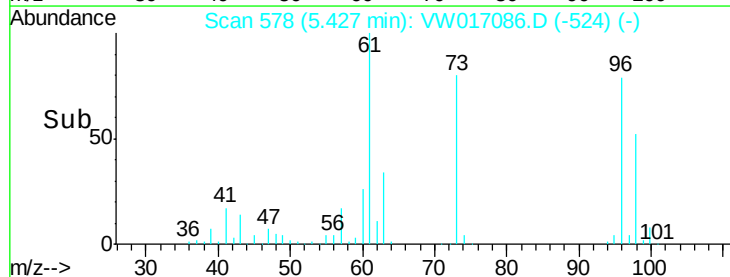
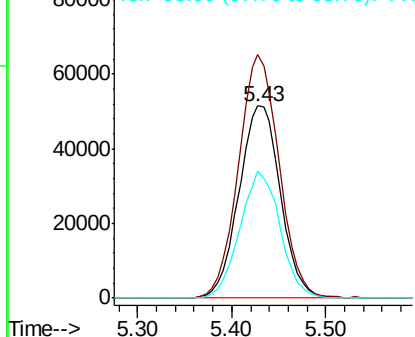
#18

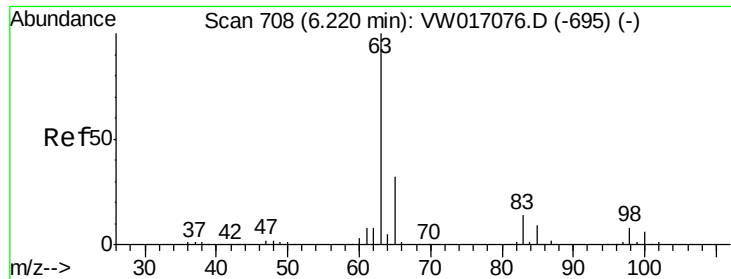
trans-1,2-Dichloroethene
 Concen: 24.627 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Tgt Ion: 96 Resp: 157773
 Ion Ratio Lower Upper
 96 100
 61 126.8 86.8 161.2
 98 66.1 44.4 82.4



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

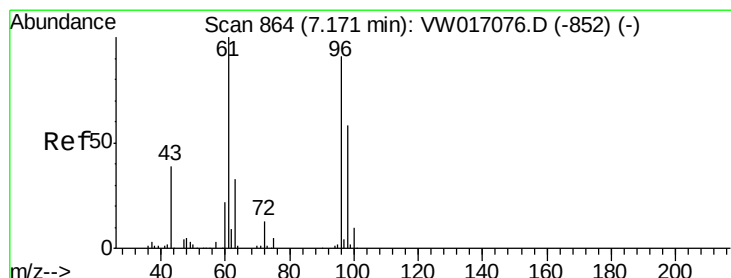
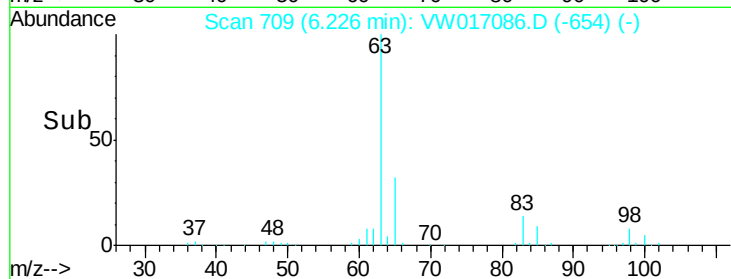
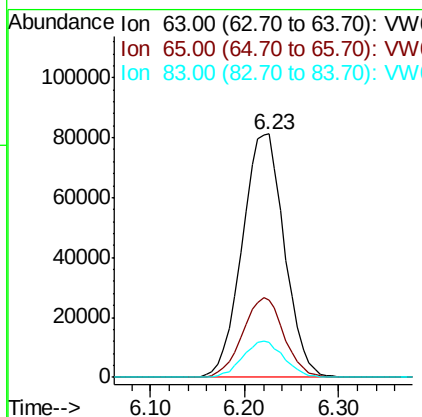
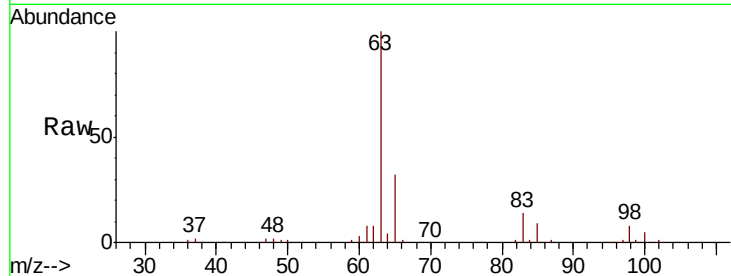




#19
 1,1-Dichloroethane
 Concen: 25.117 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

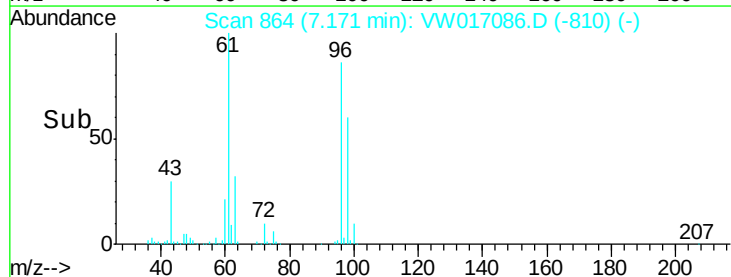
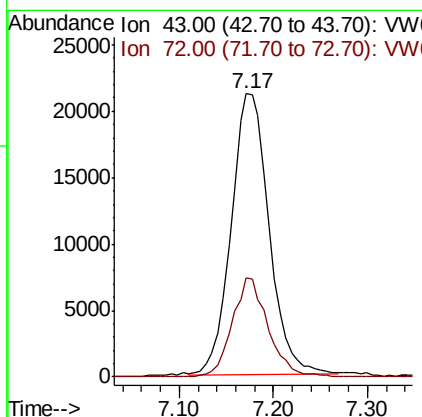
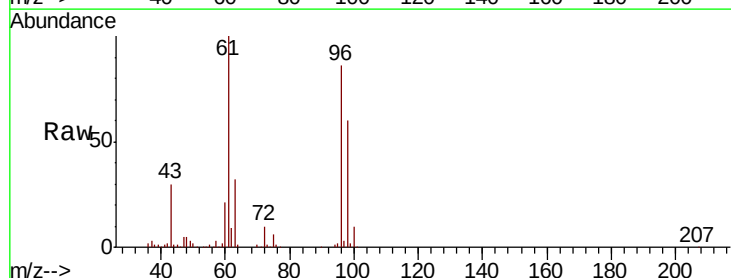
Instrument :
 MSVOA_W
 ClientSampled :

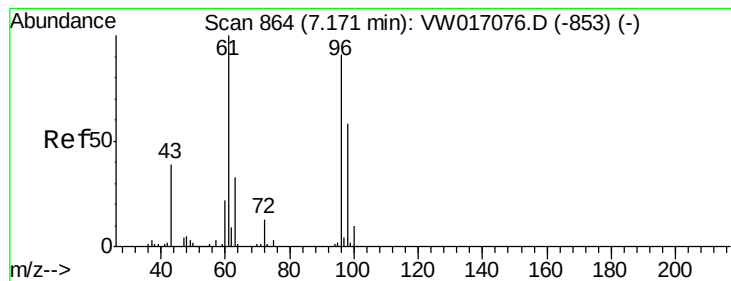
Tot Ion: 63 Resp: 254936
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 14.3 10.0 18.6



#21
 2-Butanone
 Concen: 39.495 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Tgt Ion: 43 Resp: 59639
 Ion Ratio Lower Upper
 43 100
 72 33.1 16.1 48.3



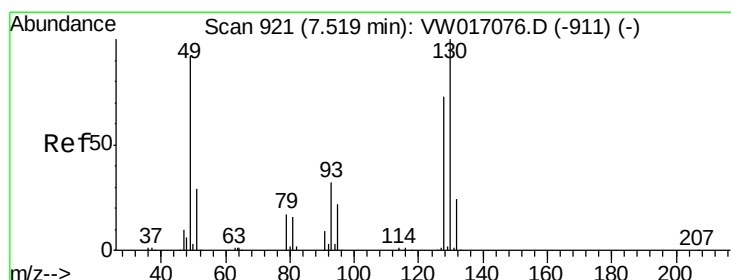
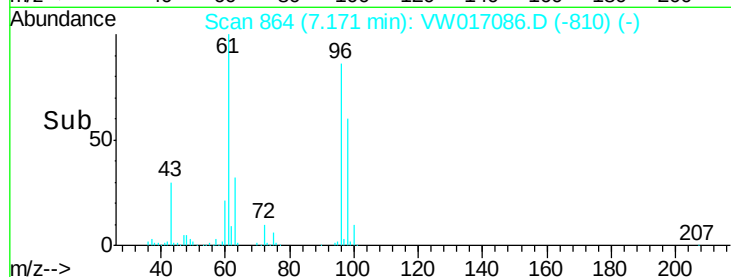
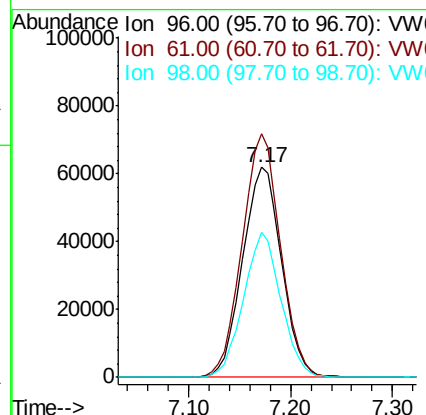
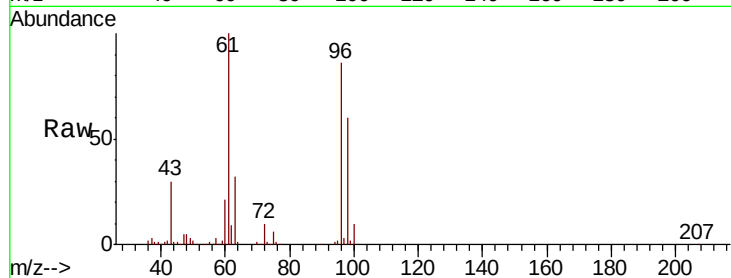


#22

cis-1,2-Dichloroethene
Concen: 24.319 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Instrument :
MSVOA_W
ClientSampleId :

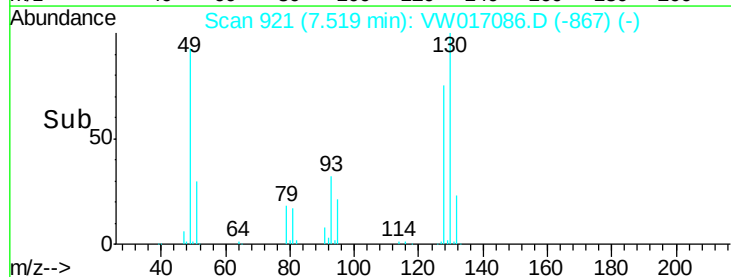
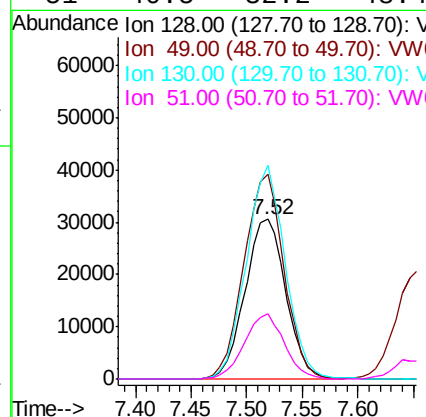
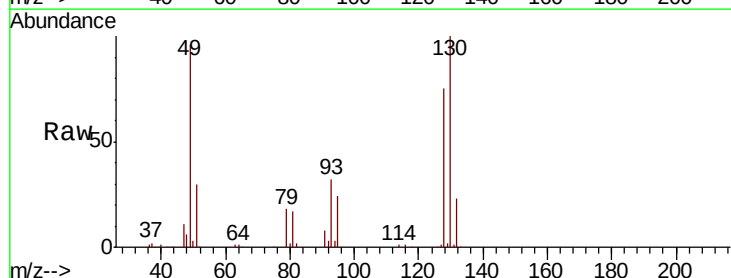
Tot Ion: 96 Resp: 164730
Ion Ratio Lower Upper
96 100
61 115.8 77.4 143.8
98 68.9 45.1 83.7

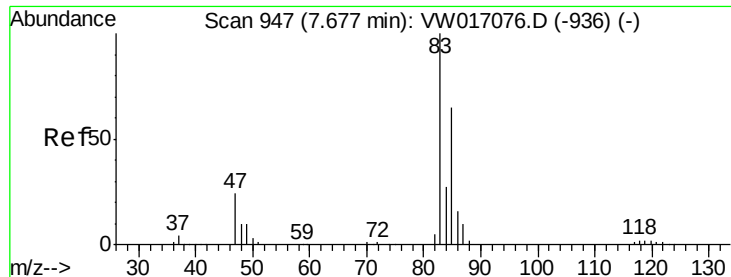


#23

Bromochloromethane
Concen: 23.965 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion: 128 Resp: 78156
Ion Ratio Lower Upper
128 100
49 128.2 88.3 163.9
130 133.6 95.6 177.6
51 40.5 32.2 48.4

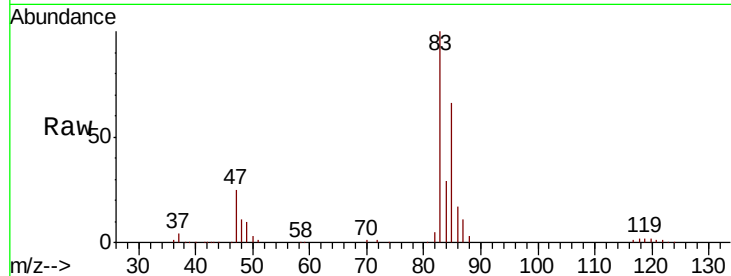




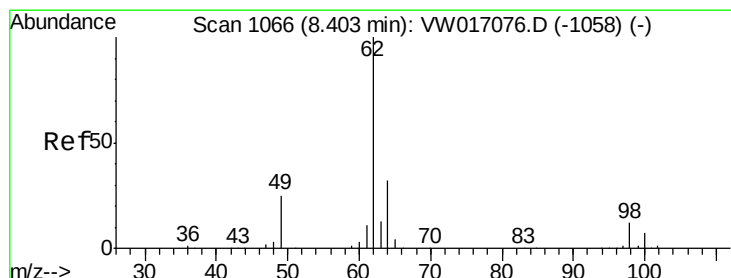
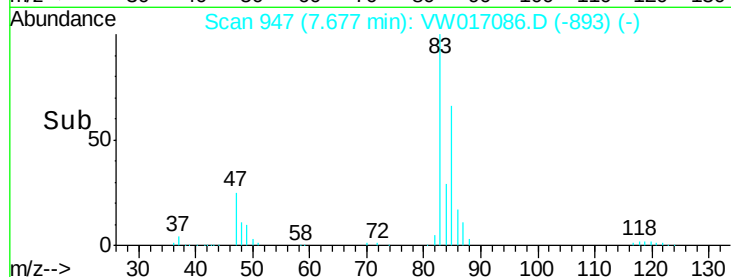
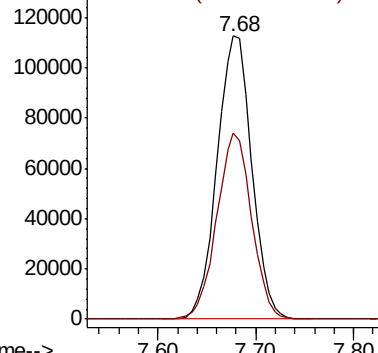
#25
Chloroform
Concen: 25.071 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 277051
Ion Ratio Lower Upper
83 100
85 66.0 46.4 86.2

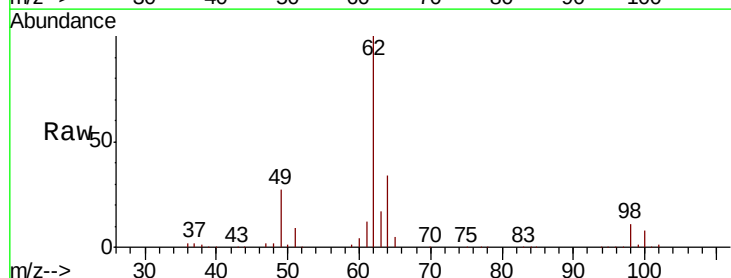


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW

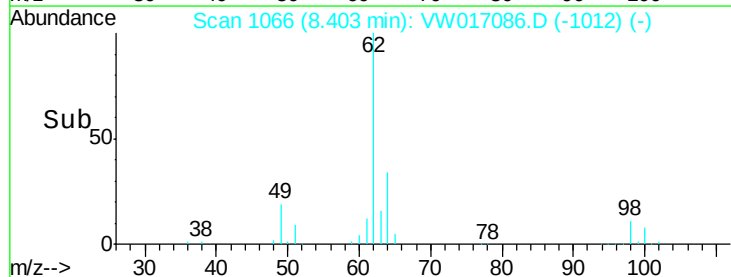
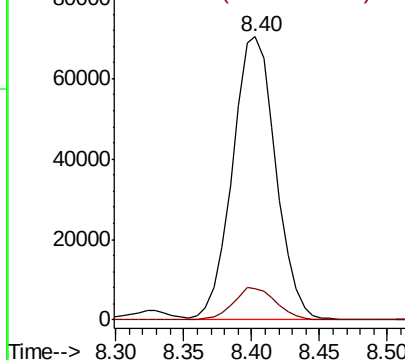


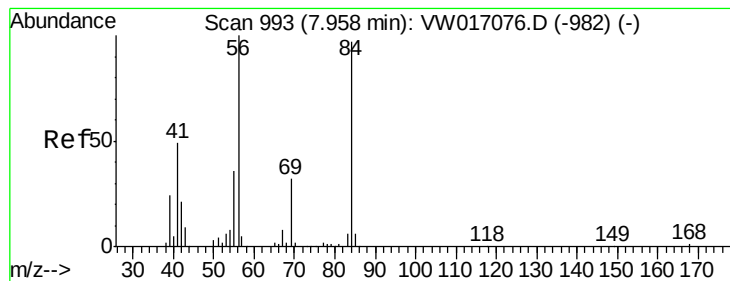
#27
1,2-Dichloroethane
Concen: 23.625 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion: 62 Resp: 156450
Ion Ratio Lower Upper
62 100
98 10.9 9.4 14.0



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 25.006 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

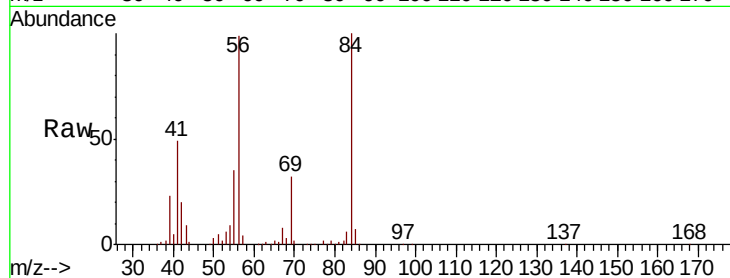
Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 216677

Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.1	39.1
84	100.6	79.1	118.7

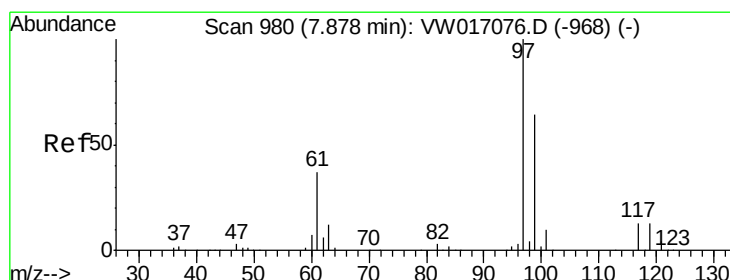
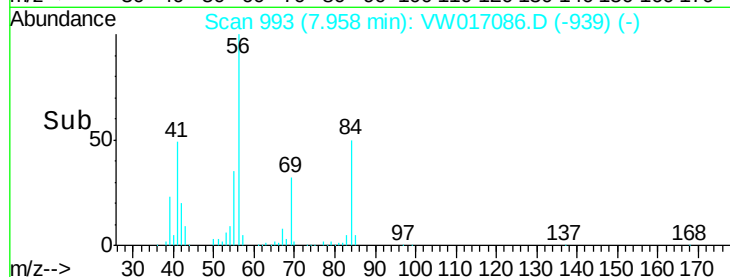
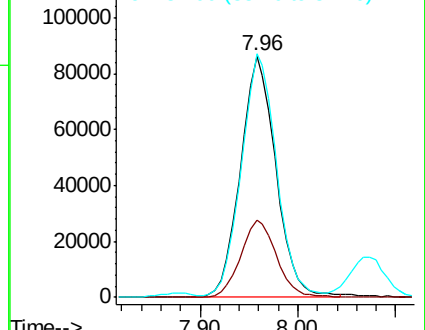


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.081 ug/L

RT: 7.87 min Scan# 979

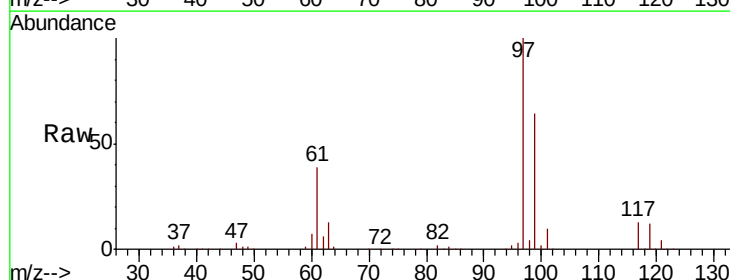
Delta R.T. -0.01 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Tgt Ion: 97 Resp: 245794

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	39.9	31.6	47.4

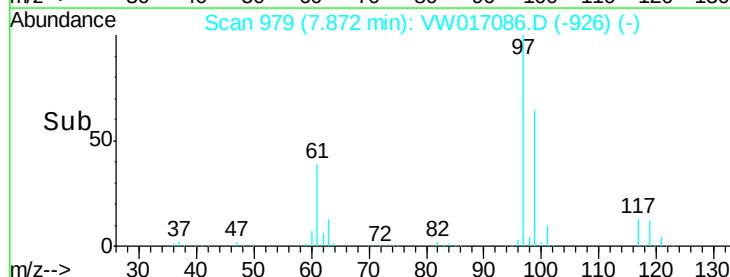
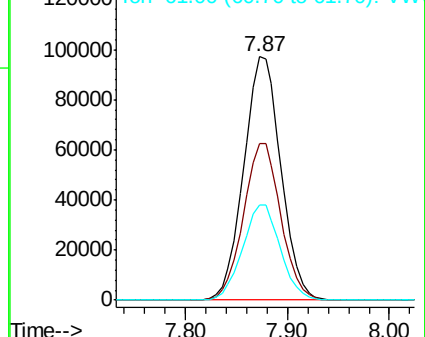


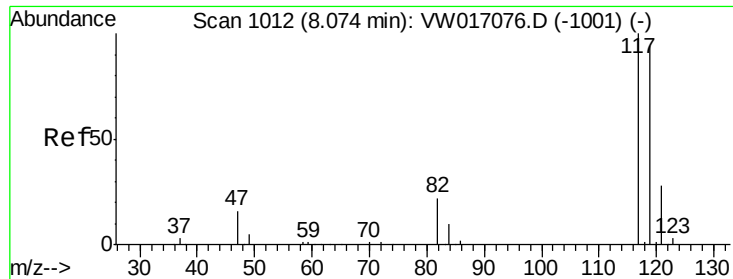
Abundance

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: 25.542 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

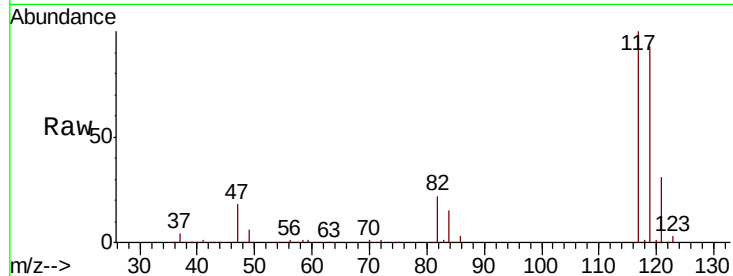
ClientSampled :

Tot Ion:117 Resp: 232275

Ion Ratio Lower Upper

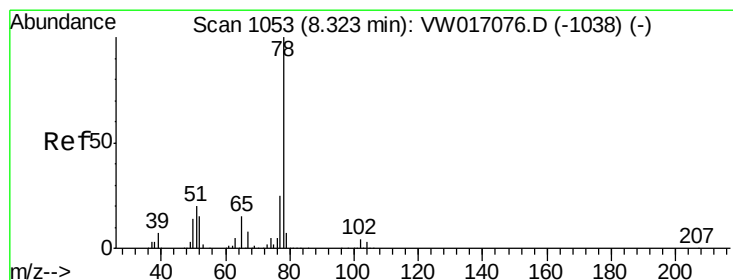
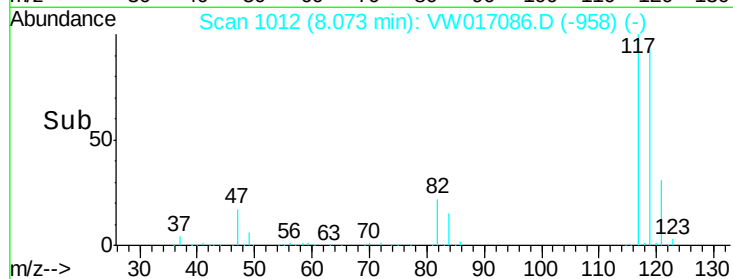
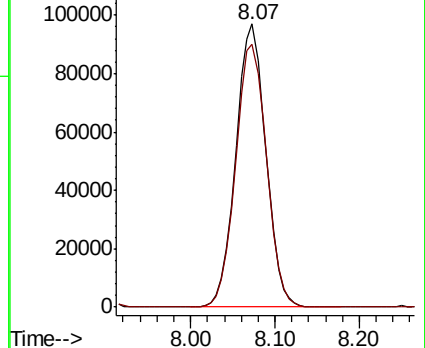
117 100

119 95.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.759 ug/L

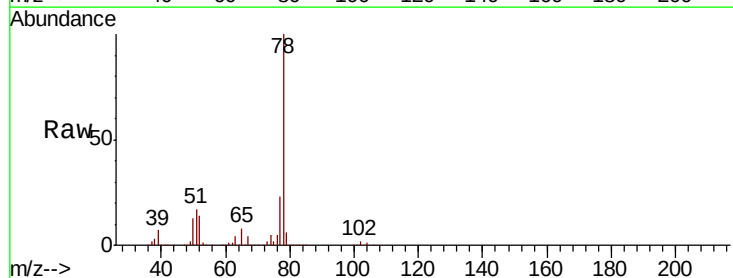
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

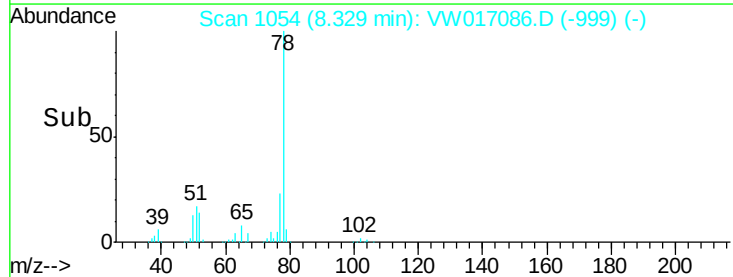
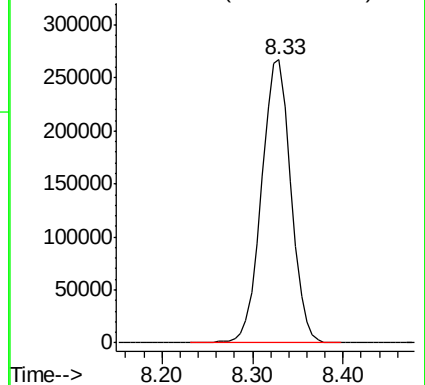
Lab File: VW017086.D

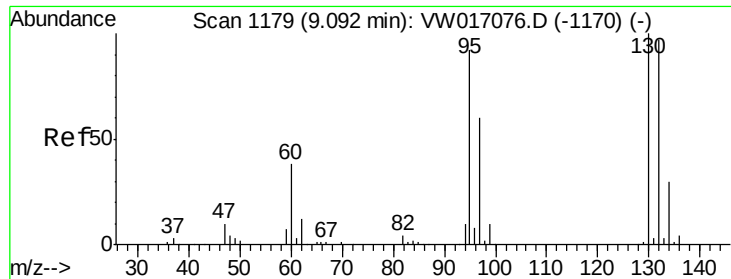
Acq: 05 Nov 2020 09:04

Tgt Ion: 78 Resp: 598313



Abundance Ion 78.00 (77.70 to 78.70): VW

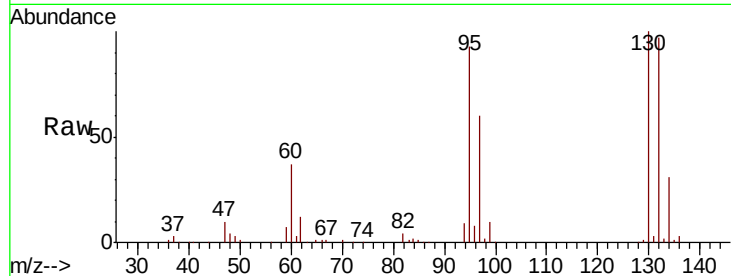




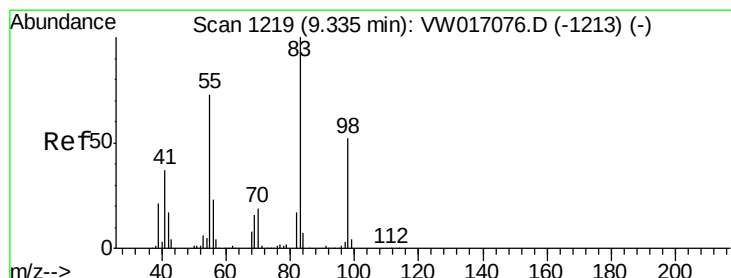
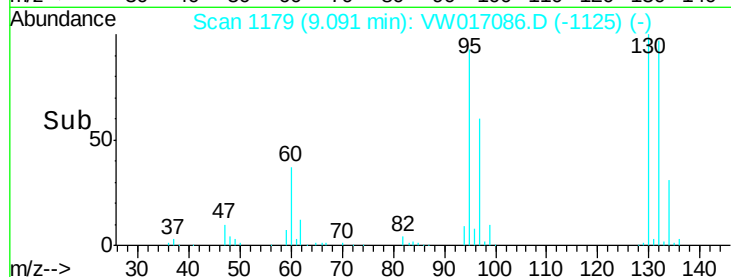
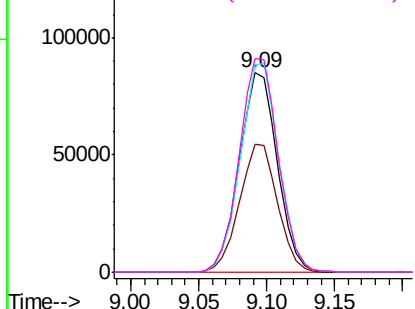
#35
 Trichloroethene
 Concen: 24.631 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 166733
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.0 83.6
 132 105.8 73.7 136.9
 130 109.5 77.1 143.1

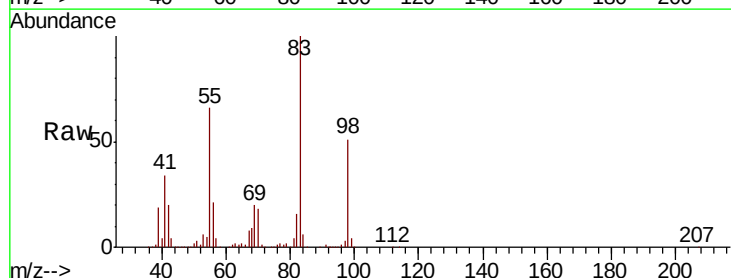


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

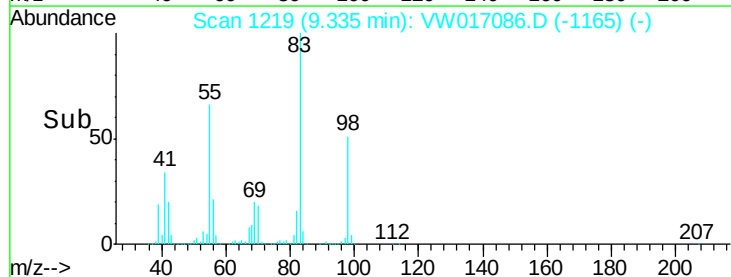
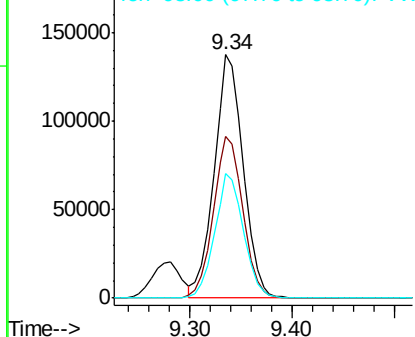


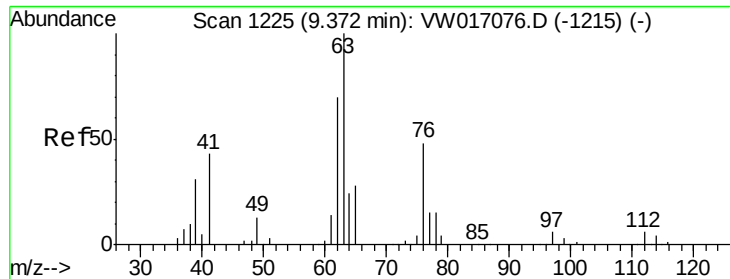
#36
 Methylcyclohexane
 Concen: 24.982 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Tgt Ion: 83 Resp: 272122
 Ion Ratio Lower Upper
 83 100
 55 67.6 54.4 81.6
 98 50.9 40.5 60.7



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: 24.089 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

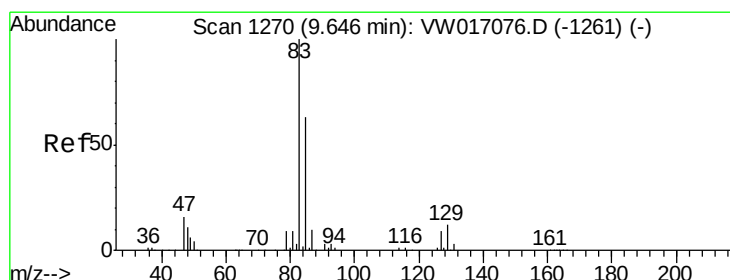
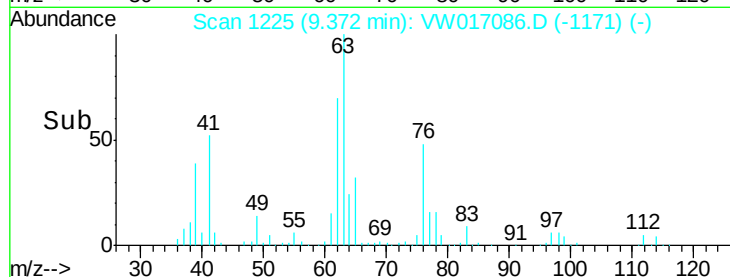
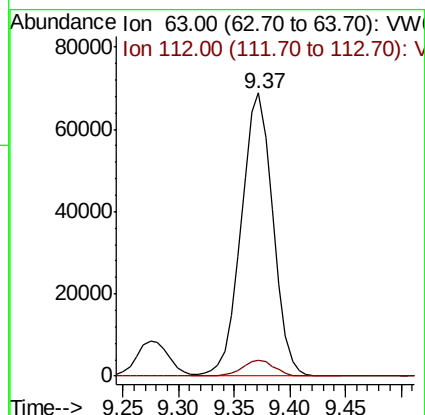
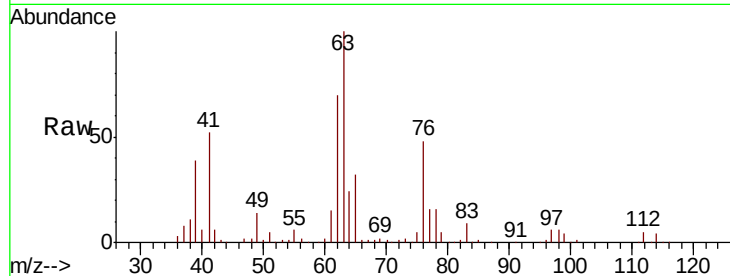
ClientSampled :

Tot Ion: 63 Resp: 136077

Ion Ratio Lower Upper

63 100

112 5.6 4.2 6.2



#41

Bromodichloromethane

Concen: 24.062 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

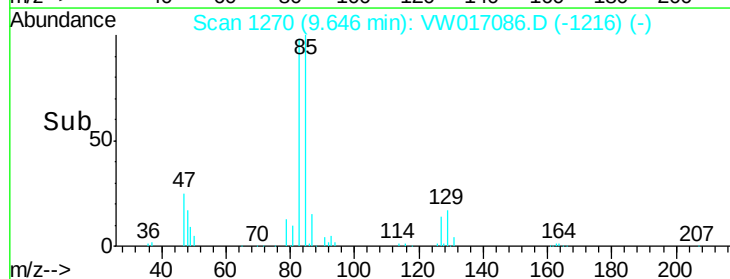
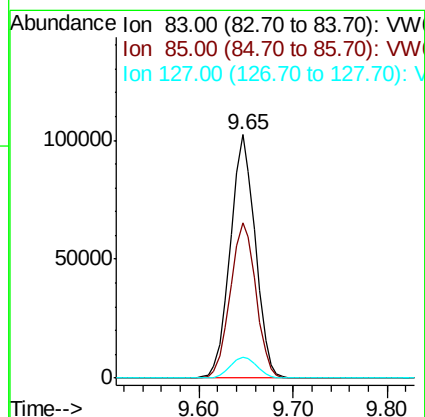
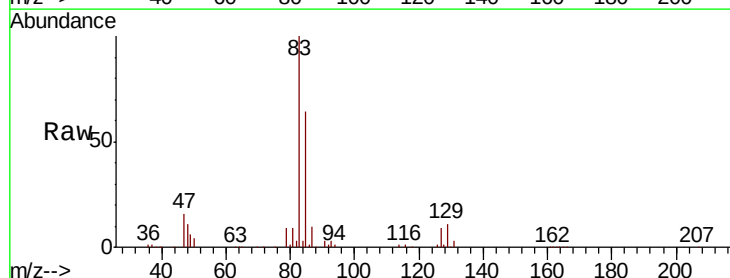
Tgt Ion: 83 Resp: 187994

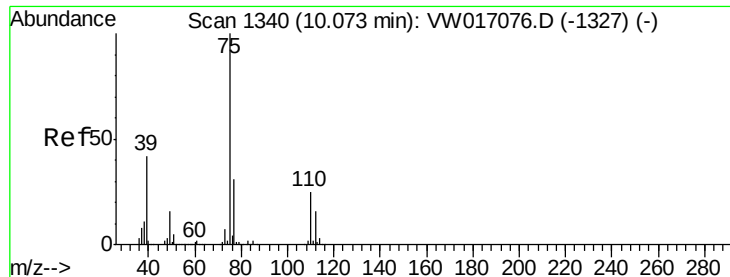
Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.4

127 8.8 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 24.630 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

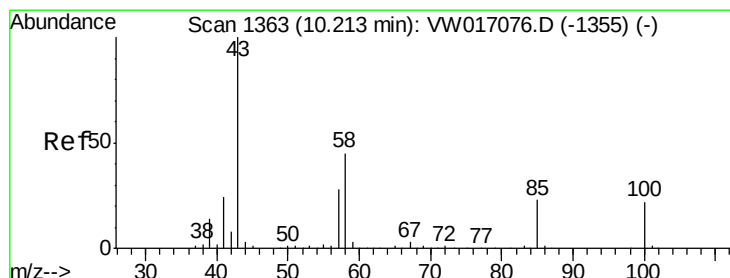
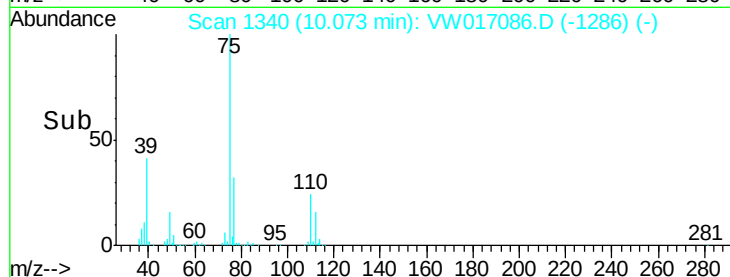
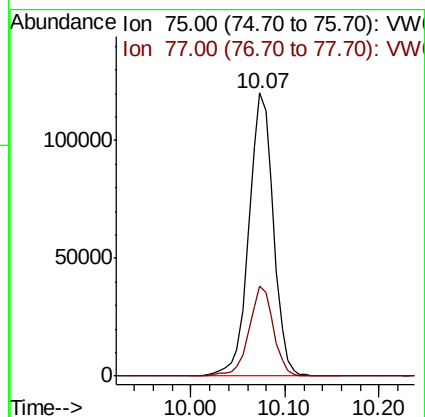
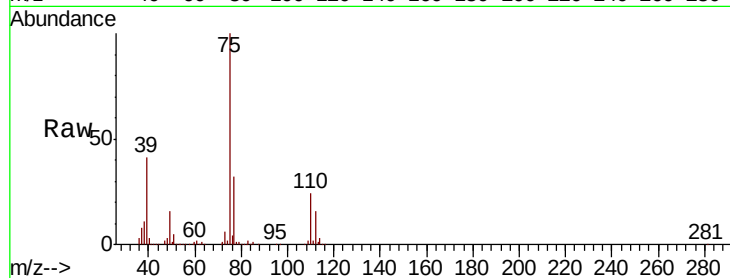
ClientSampled :

Tot Ion: 75 Resp: 220378

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 38.741 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

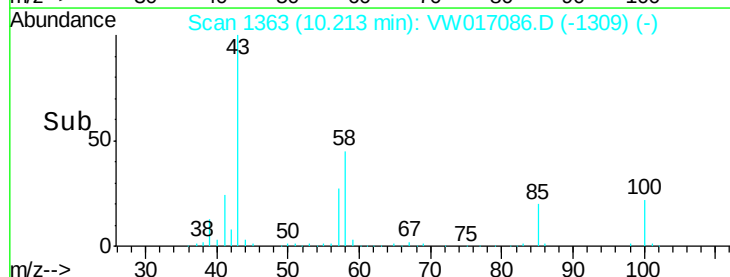
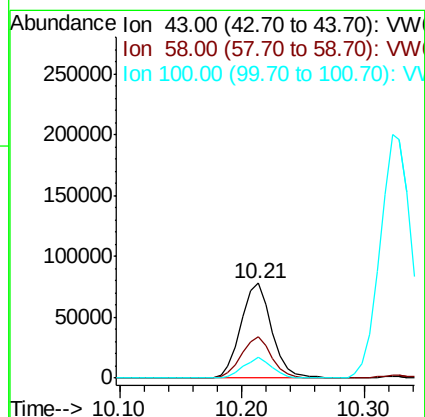
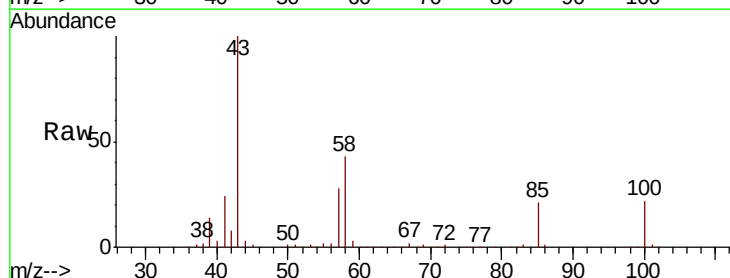
Tgt Ion: 43 Resp: 135018

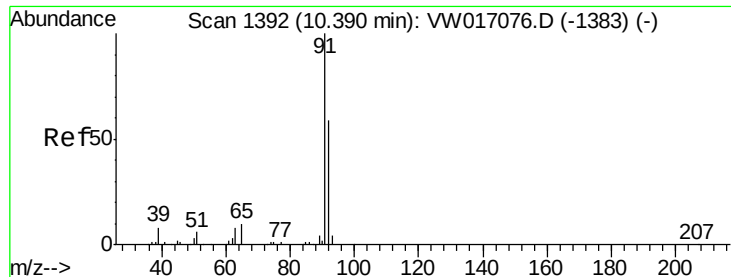
Ion Ratio Lower Upper

43 100

58 43.5 35.0 52.6

100 20.5 16.6 24.8





#44

Toluene

Concen: 24.933 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

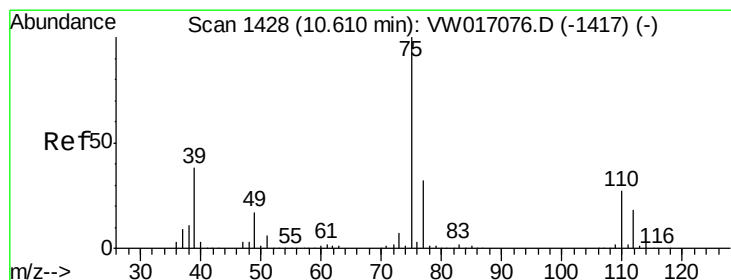
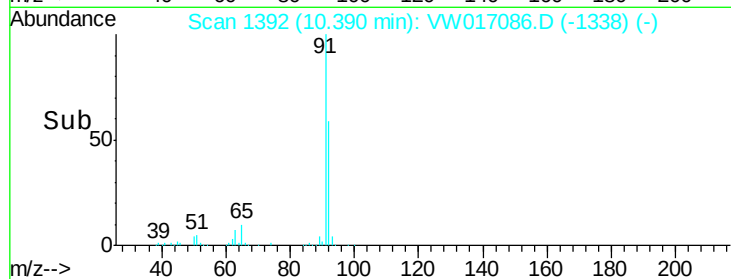
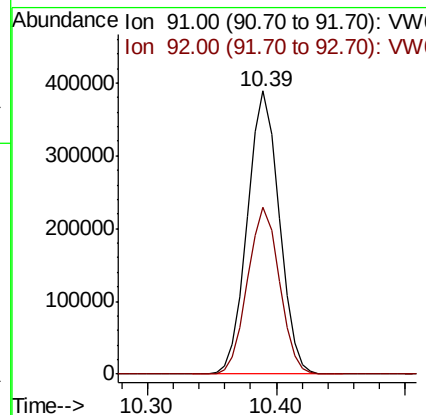
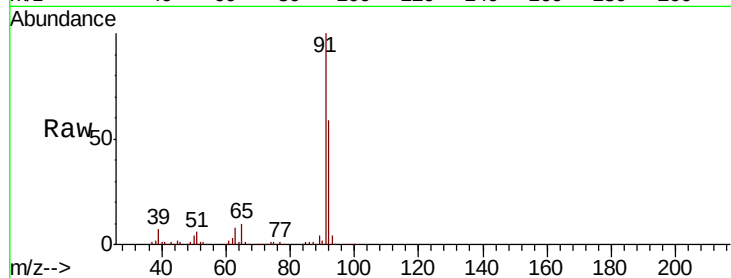
ClientSampled :

Tot Ion: 91 Resp: 663214

Ion Ratio Lower Upper

91 100

92 59.2 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 23.784 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017086.D

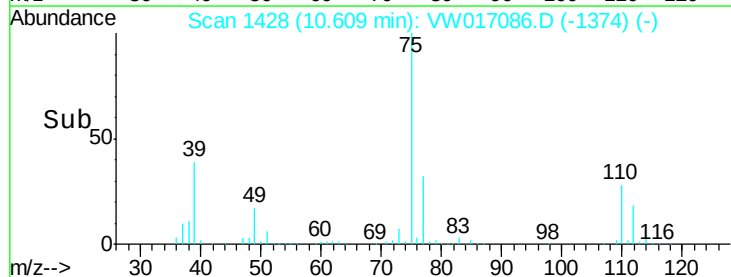
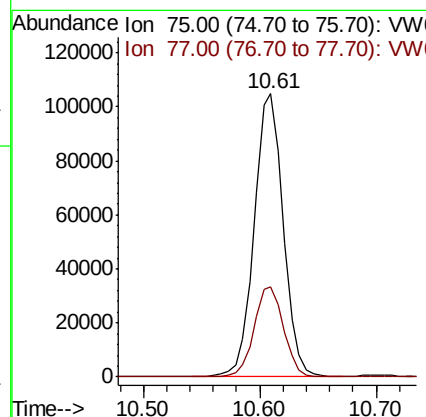
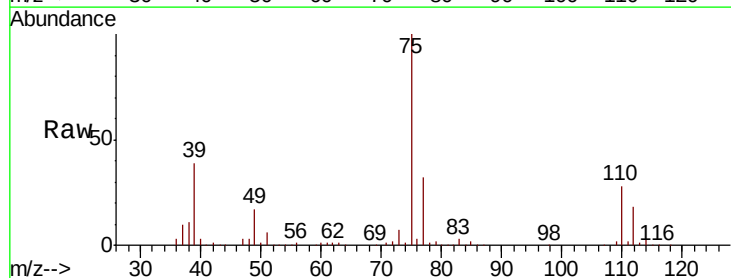
Acq: 05 Nov 2020 09:04

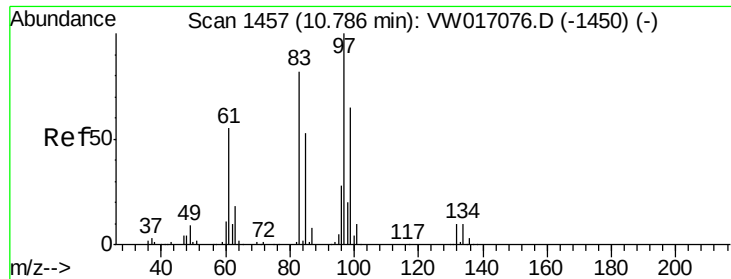
Tgt Ion: 75 Resp: 182754

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

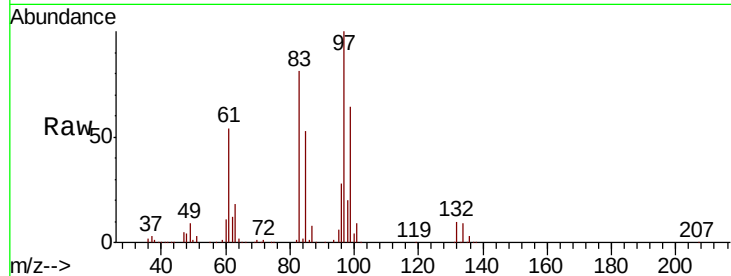




#46
1,1,2-Trichloroethane
Concen: 22.547 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	97	Resp	109812
Ion	Ratio	Lower	Upper
97	100		
83	81.1	57.3	106.5
85	52.7	37.2	69.0
99	63.5	45.7	84.9



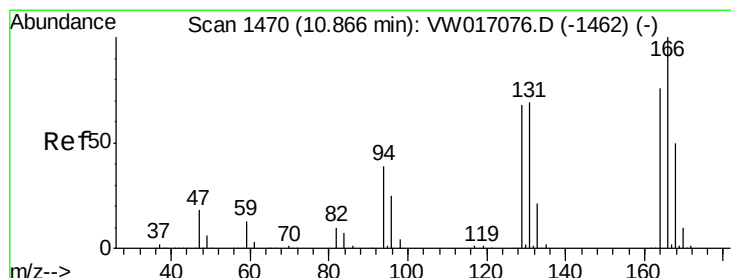
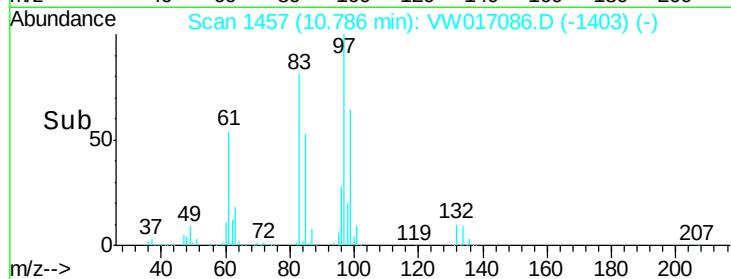
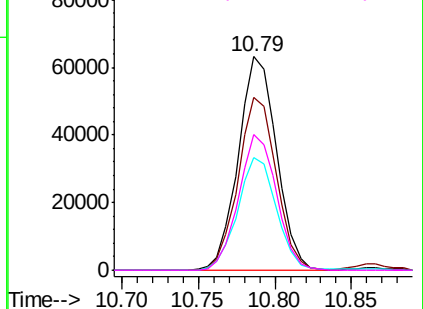
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

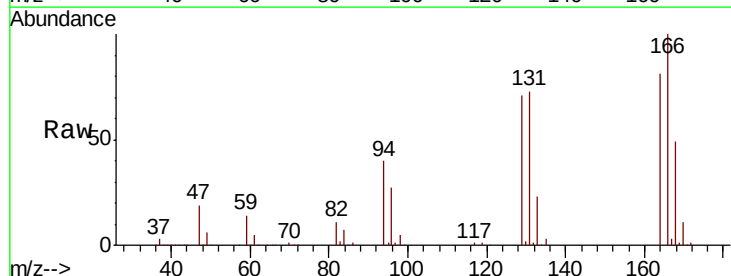
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.734 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion	164	Resp	151061
Ion	Ratio	Lower	Upper
164	100		
129	87.8	62.9	116.7
131	90.3	63.3	117.5
166	124.1	92.0	170.8



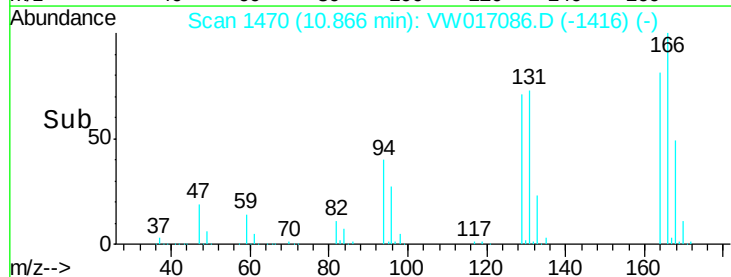
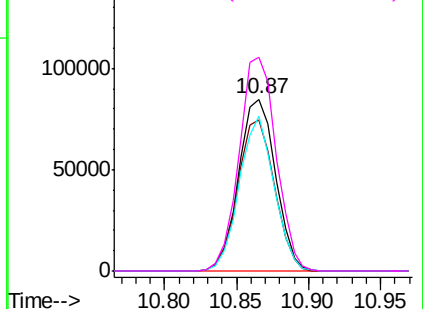
Abundance

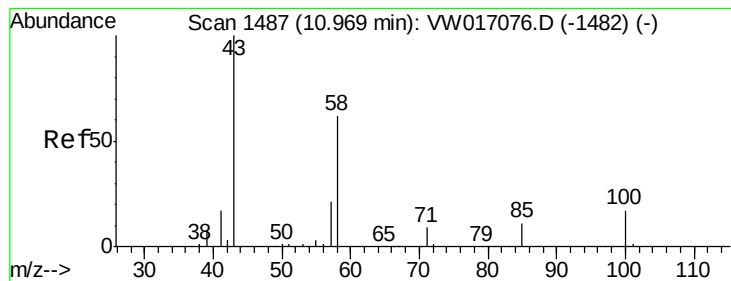
Ion 164.00 (163.70 to 164.70): V

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: 40.531 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 85160

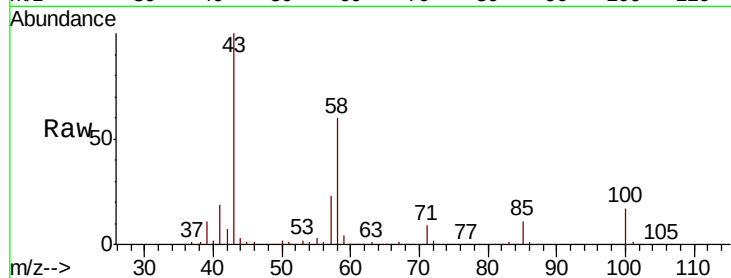
Ion Ratio Lower Upper

43 100

58 60.5 50.6 75.8

57 22.3 17.8 26.6

100 17.0 13.9 20.9

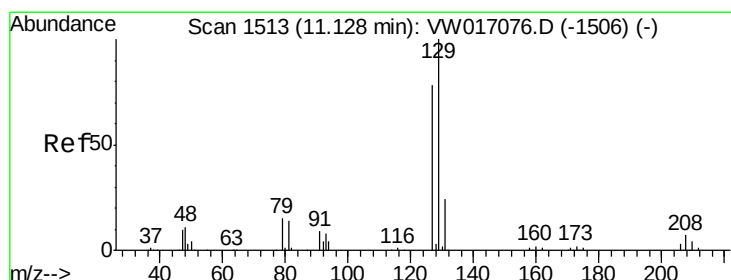
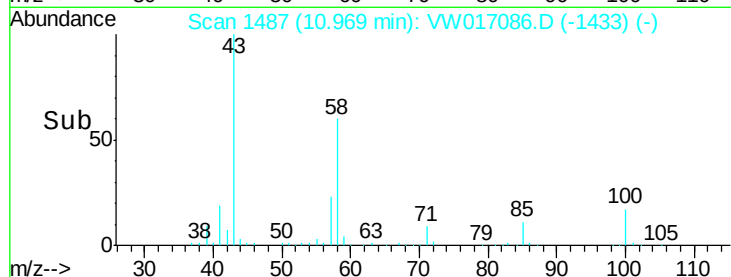
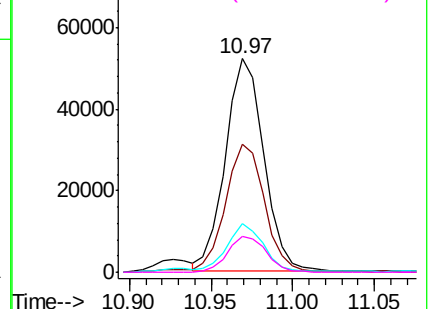


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.484 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017086.D

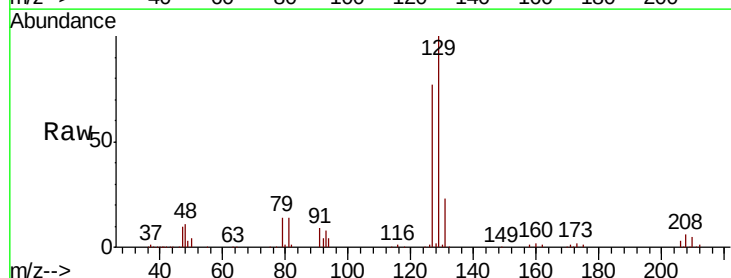
Acq: 05 Nov 2020 09:04

Tgt Ion: 129 Resp: 139344

Ion Ratio Lower Upper

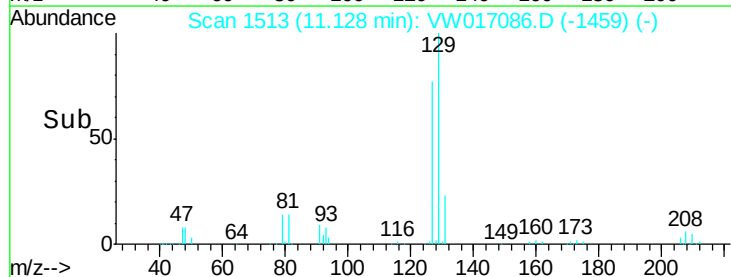
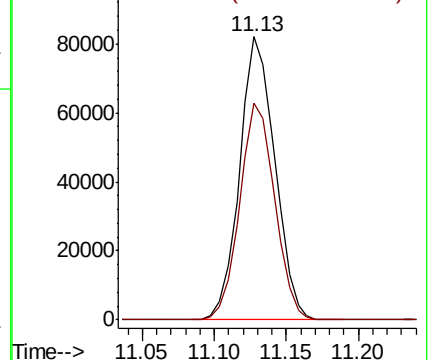
129 100

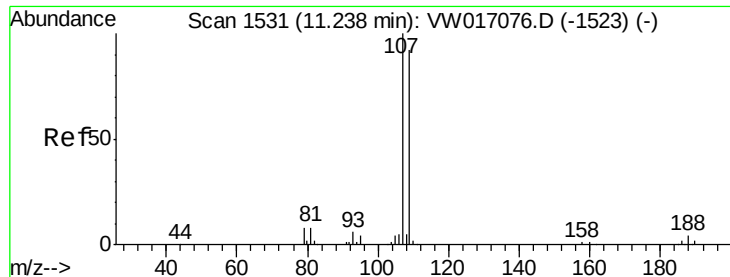
127 76.5 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

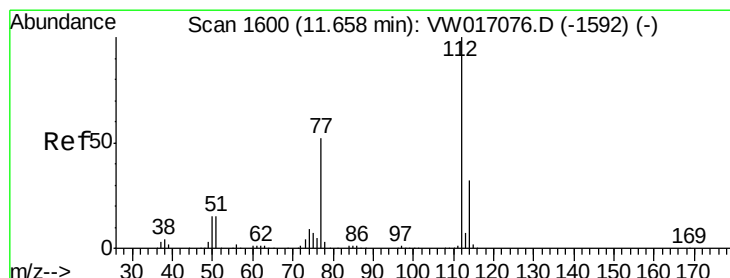
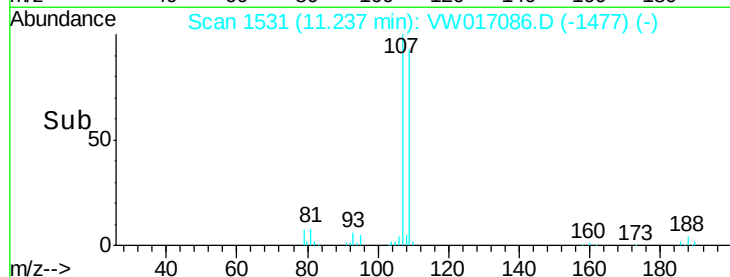
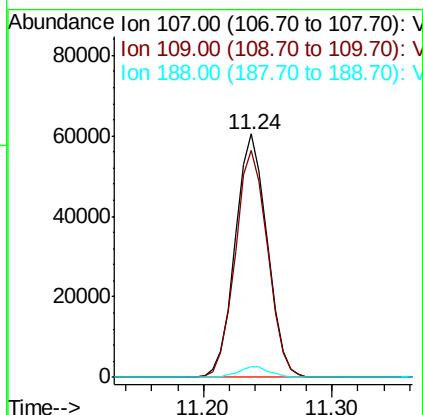
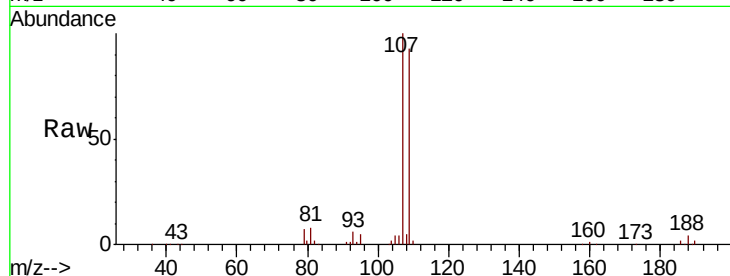




#51
1,2-Dibromoethane
Concen: 22.071 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

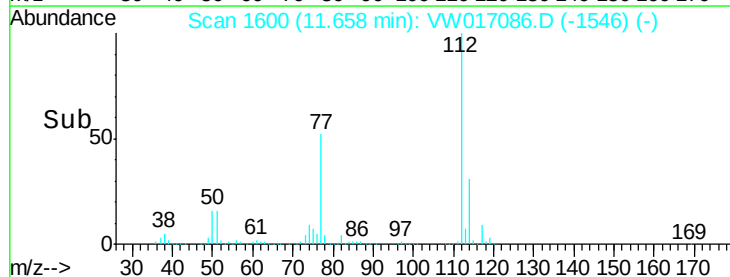
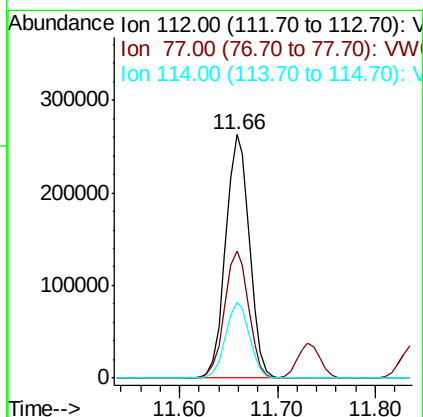
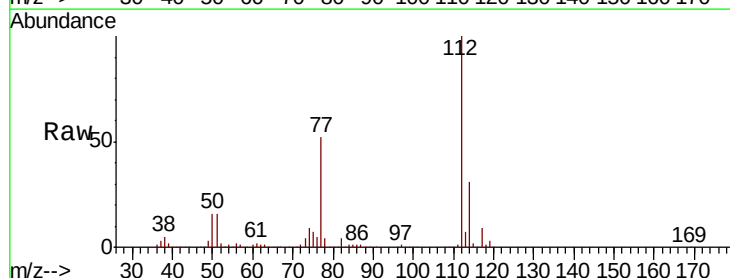
Instrument :
MSVOA_W
ClientSampleId :

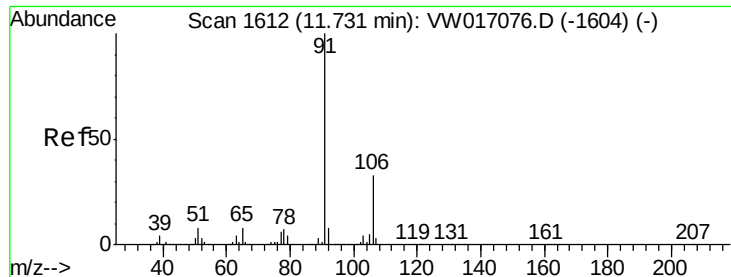
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	64.3	119.5
188	4.2	3.3	4.9



#52
Chlorobenzene
Concen: 24.544 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.5	41.7	62.5
114	31.1	22.3	41.3

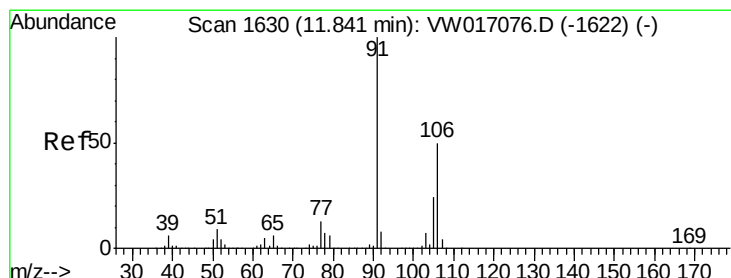
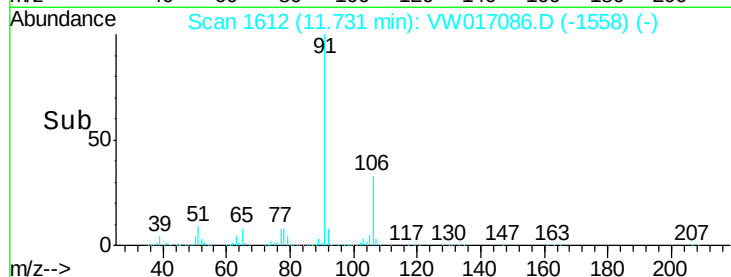
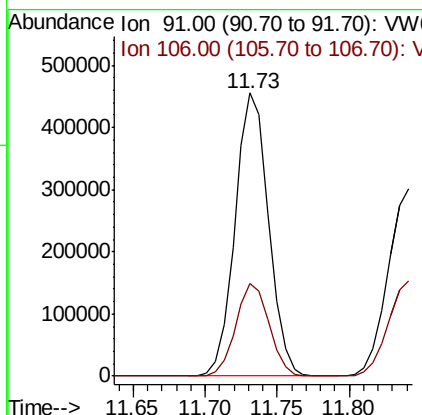
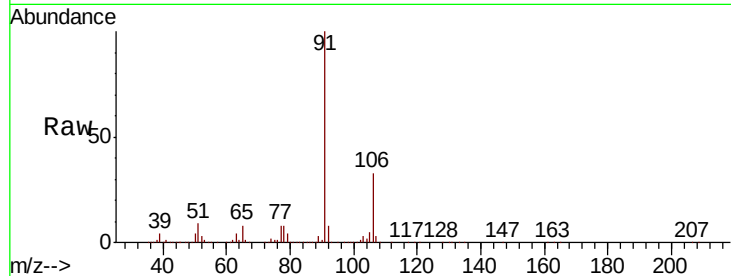




#53
Ethylbenzene
Concen: 24.793 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

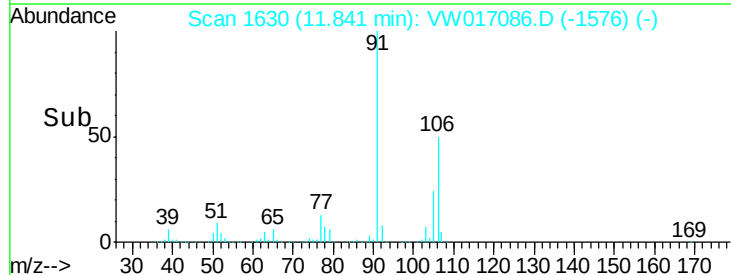
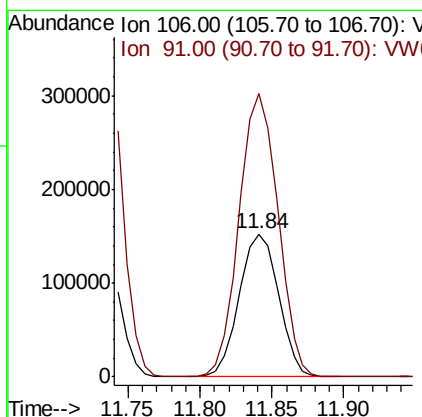
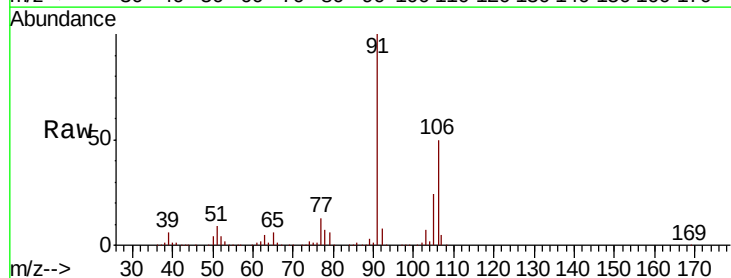
Instrument :
MSVOA_W
ClientSampled :

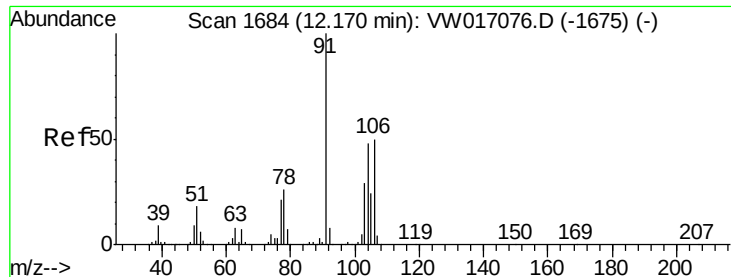
Tot Ion: 91 Resp: 736631
Ion Ratio Lower Upper
91 100
106 32.7 22.9 42.5



#54
m,p-Xylene
Concen: 24.814 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion: 106 Resp: 288392
Ion Ratio Lower Upper
106 100
91 198.2 138.7 257.5

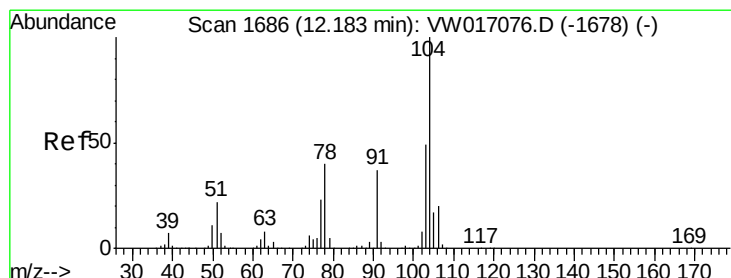
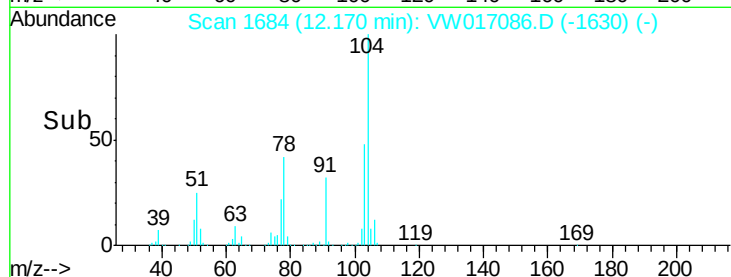
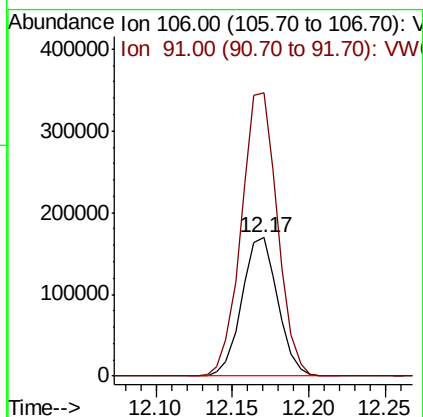
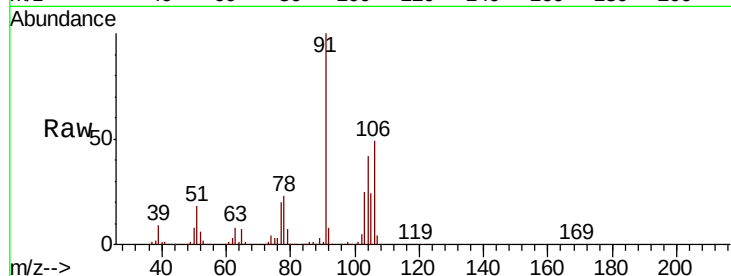




#55
o-xylene
Concen: 24.982 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

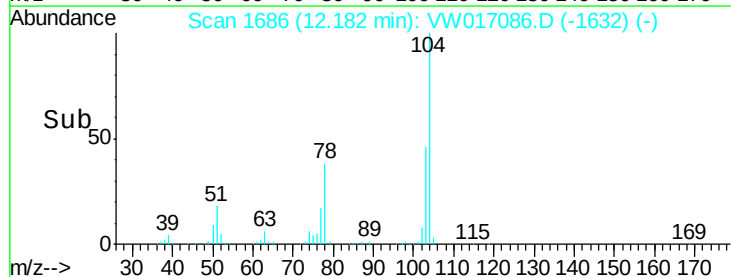
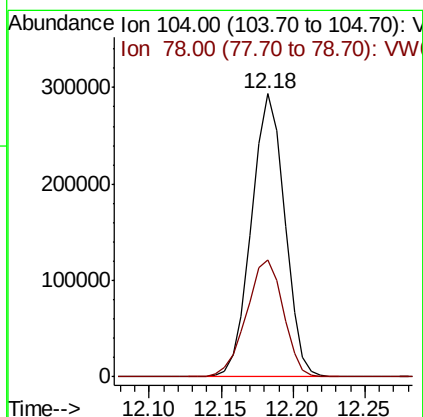
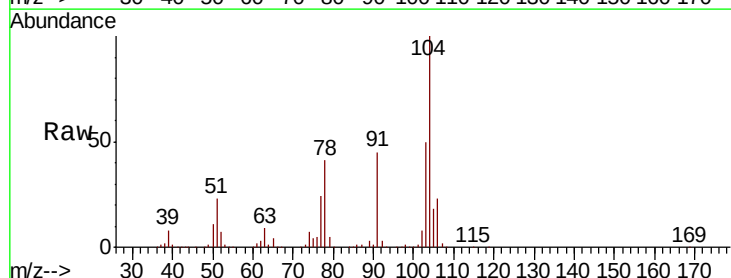
Instrument :
MSVOA_W
ClientSampled :

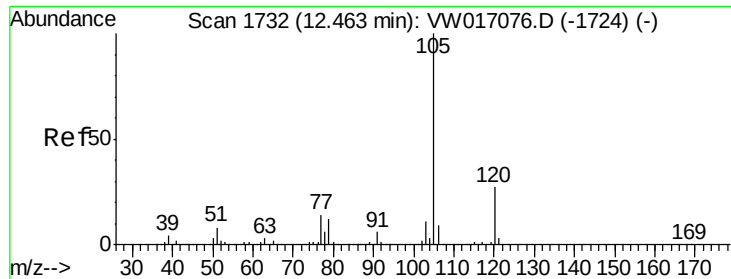
Tot Ion:106 Resp: 275582
Ion Ratio Lower Upper
106 100
91 204.4 140.8 261.4



#56
Styrene
Concen: 25.321 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017086.D
Acq: 05 Nov 2020 09:04

Tgt Ion:104 Resp: 468977
Ion Ratio Lower Upper
104 100
78 41.5 28.2 52.4





#57

Isopropylbenzene

Concen: 25.674 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampleId :

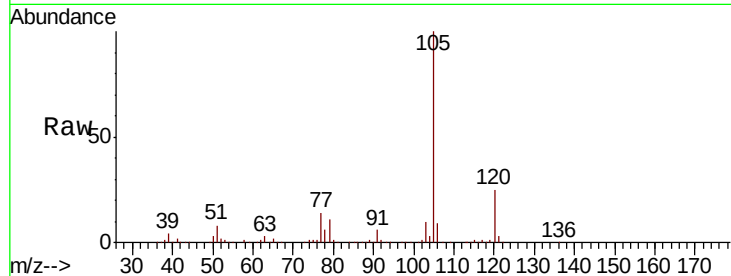
Tot Ion:105 Resp: 768616

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

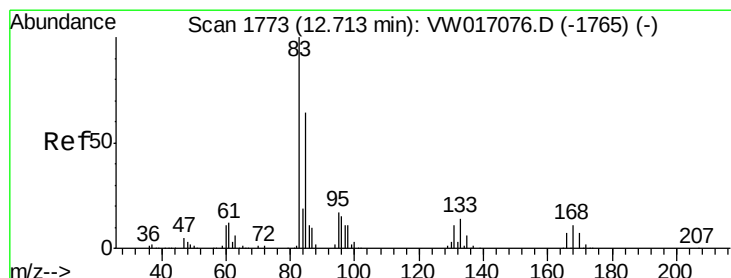
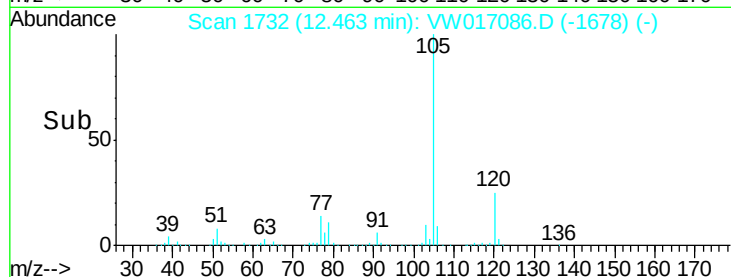
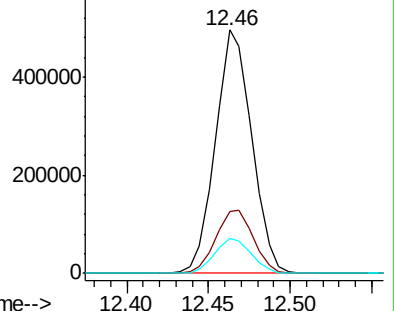
77 14.5 11.4 17.0



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: 21.570 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

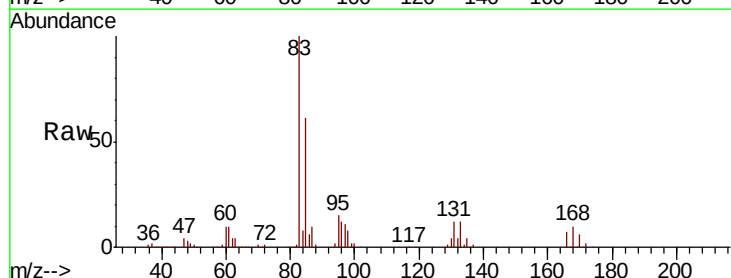
Tgt Ion: 83 Resp: 121362

Ion Ratio Lower Upper

83 100

85 60.7 44.9 83.5

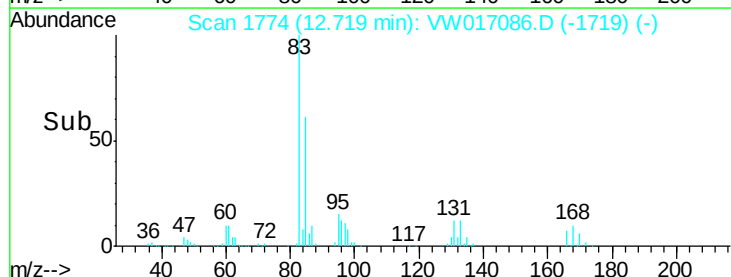
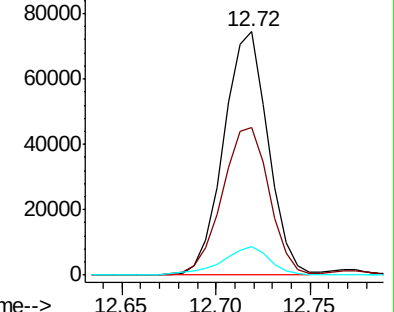
131 11.7 8.8 13.2

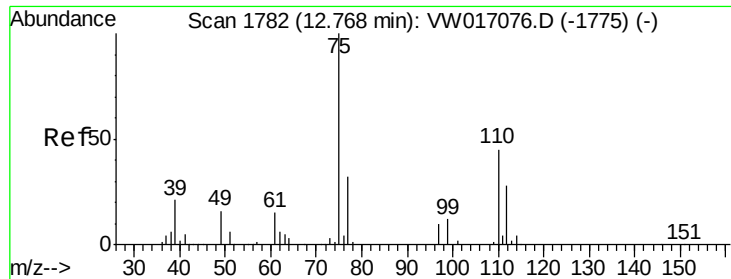


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.252 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

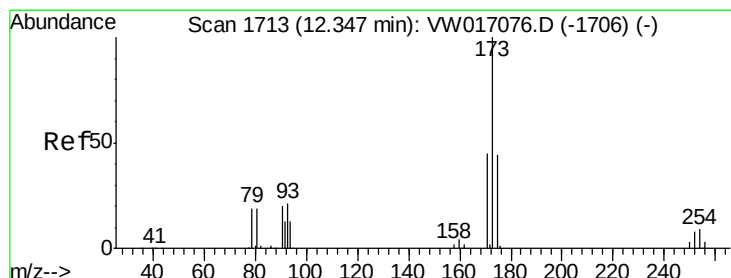
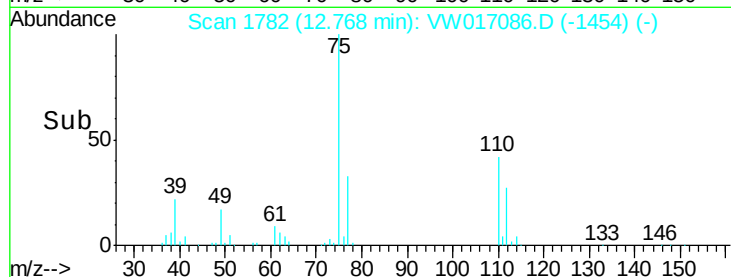
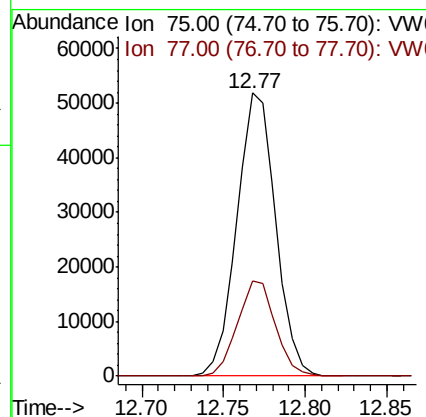
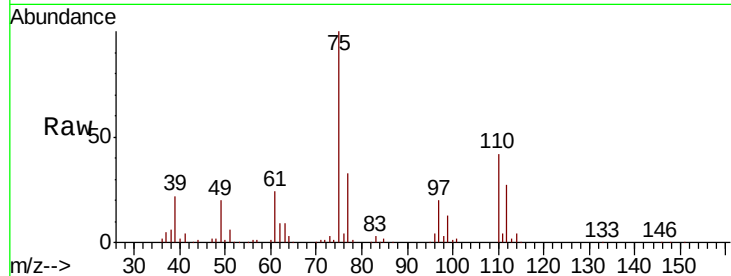
ClientSampled :

Tot Ion: 75 Resp: 85946

Ion Ratio Lower Upper

75 100

77 32.9 26.4 39.6



#62

Bromoform

Concen: 22.707 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

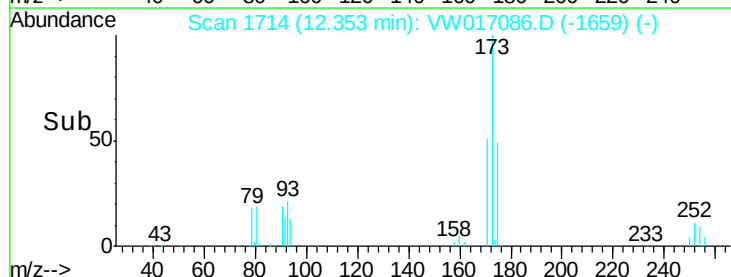
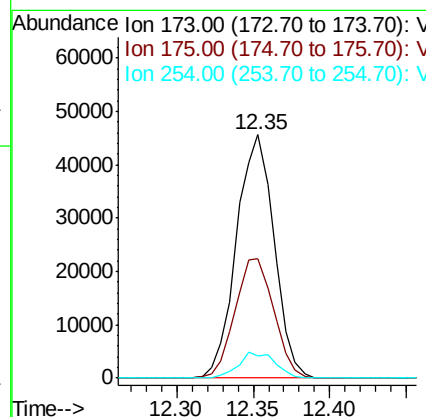
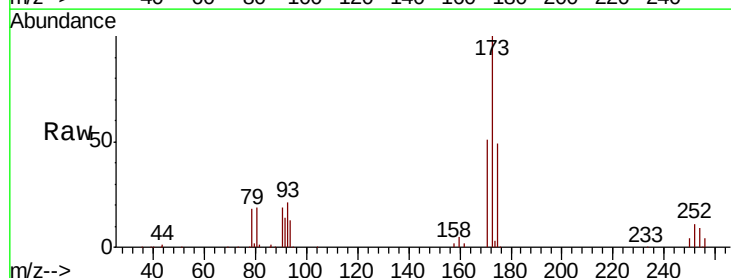
Tgt Ion: 173 Resp: 77867

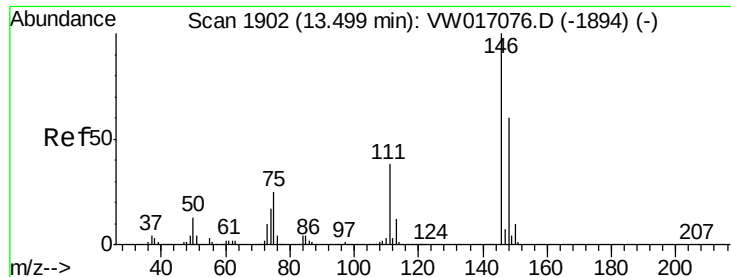
Ion Ratio Lower Upper

173 100

175 50.7 38.3 57.5

254 10.4 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 25.073 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampleId :

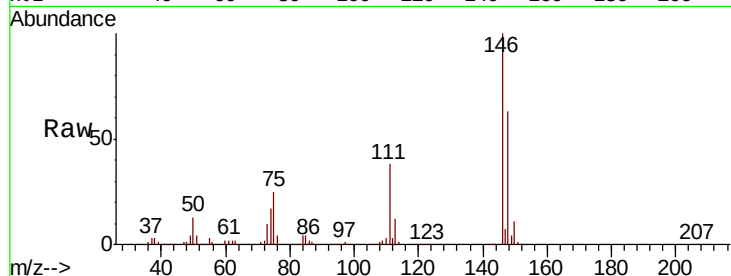
Tot Ion:146 Resp: 348443

Ion Ratio Lower Upper

146 100

111 37.5 26.4 49.0

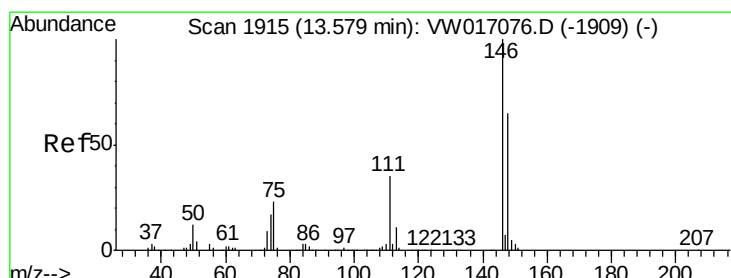
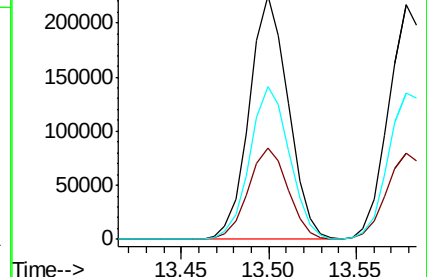
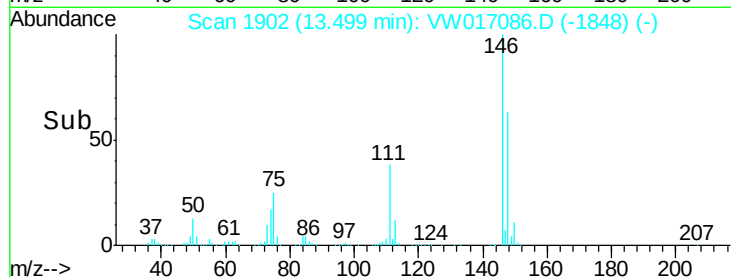
148 62.8 42.1 78.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.981 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

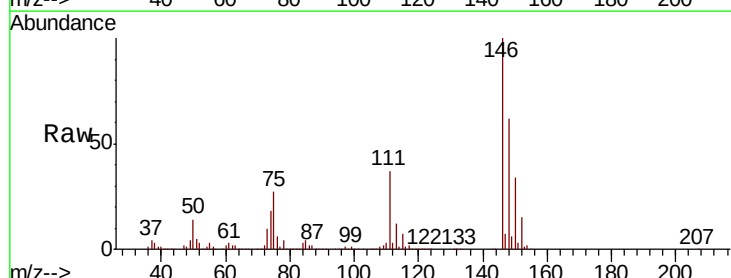
Tgt Ion:146 Resp: 348776

Ion Ratio Lower Upper

146 100

111 37.0 24.5 45.5

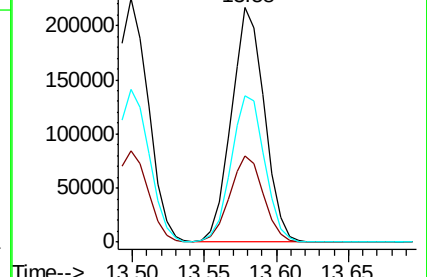
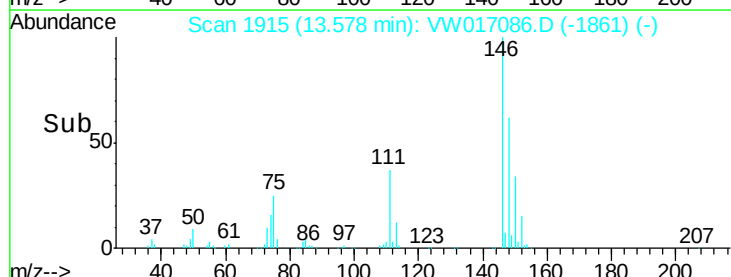
148 62.4 45.5 84.5

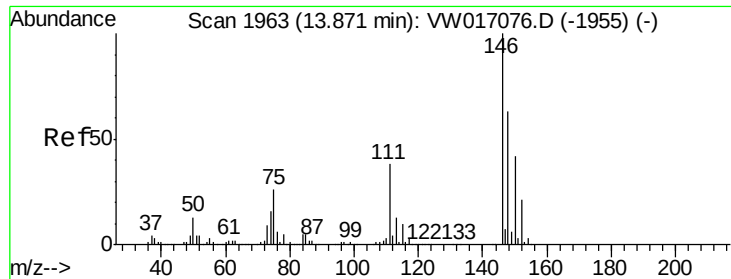


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.917 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampleId :

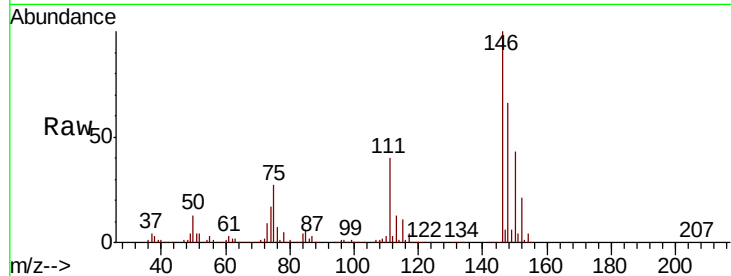
Tot Ion:146 Resp: 312263

Ion Ratio Lower Upper

146 100

111 40.4 30.5 45.7

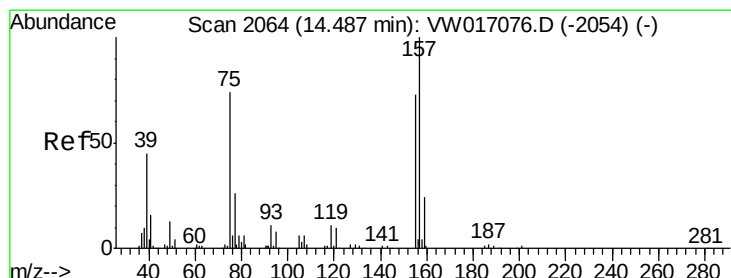
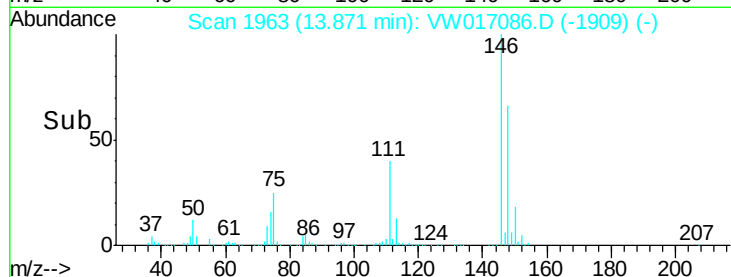
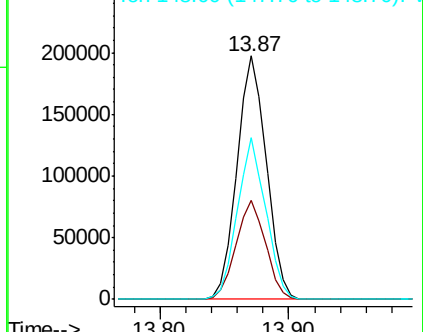
148 66.2 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.388 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

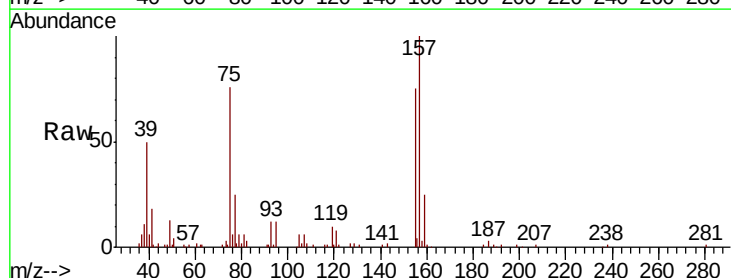
Tgt Ion: 75 Resp: 17722

Ion Ratio Lower Upper

75 100

157 131.4 108.2 162.4

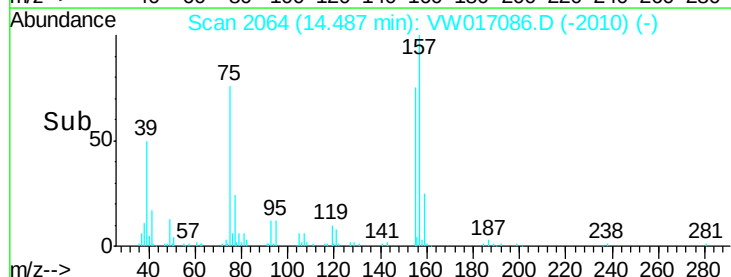
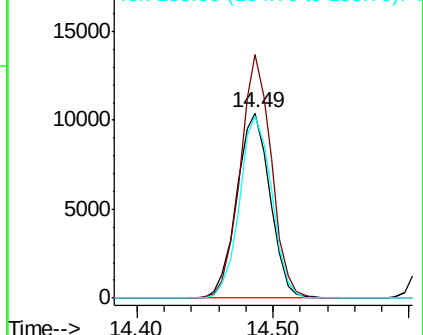
155 98.2 79.1 118.7

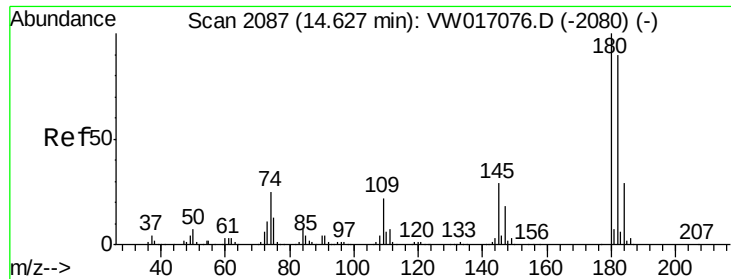


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

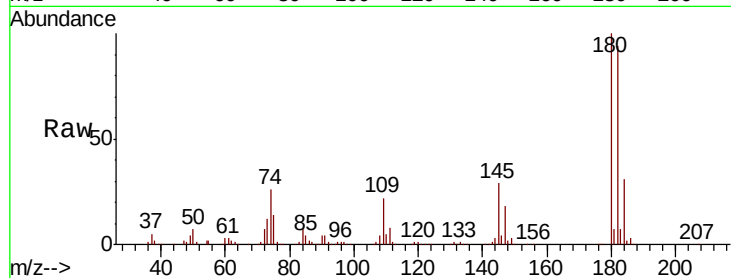




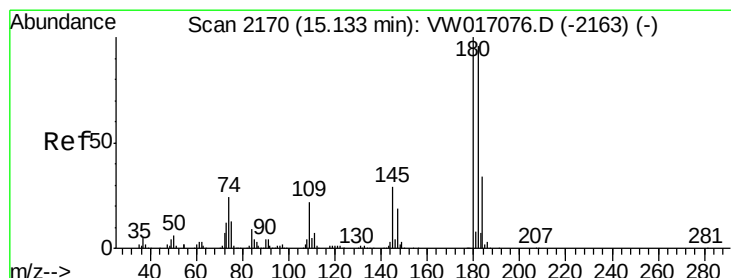
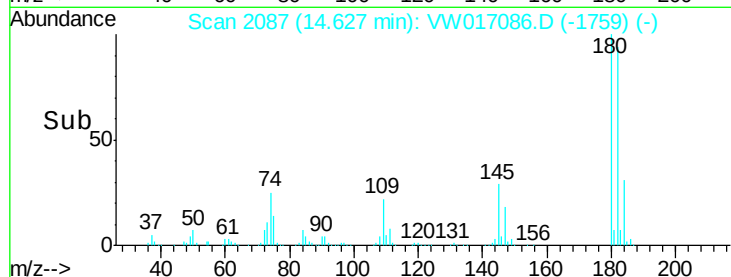
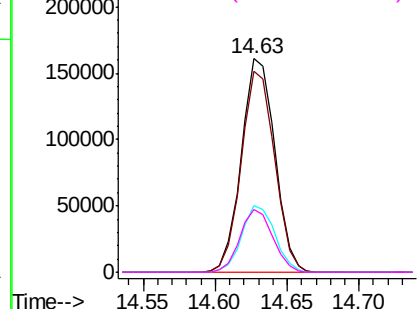
#67
 1,3,5-Trichlorobenzene
 Concen: 25.364 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	259738
Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.2	115.8
184	30.8	24.2	36.4
145	29.0	23.5	35.3

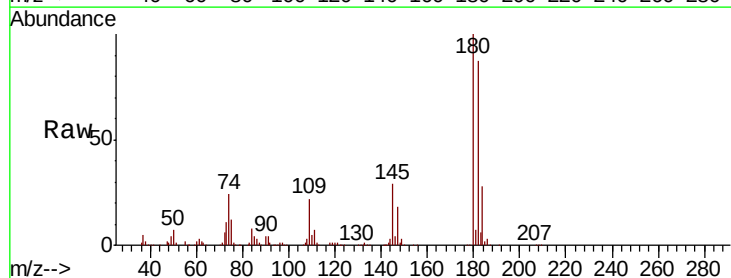


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

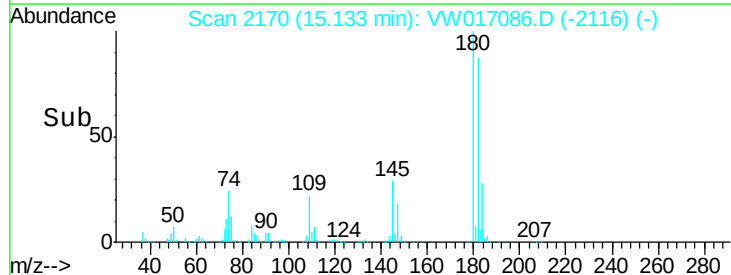
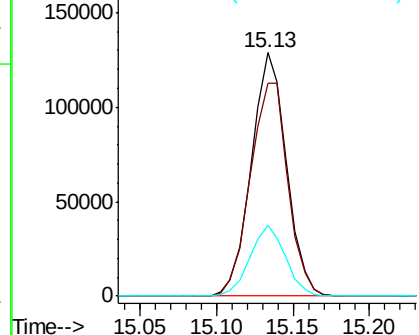


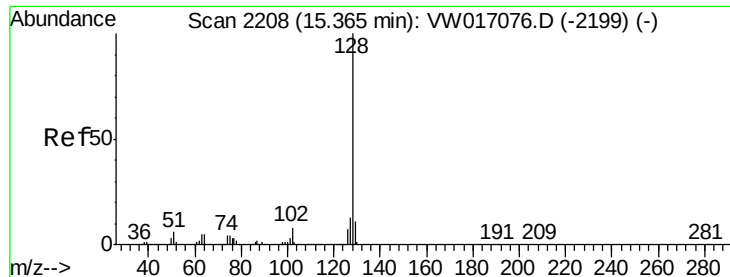
#68
 1,2,4-trichlorobenzene
 Concen: 25.167 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017086.D
 Acq: 05 Nov 2020 09:04

Tgt Ion:	180	Resp:	205673
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.7	115.1
145	29.2	23.6	35.4



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: 22.660 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

Instrument :

MSVOA_W

ClientSampled :

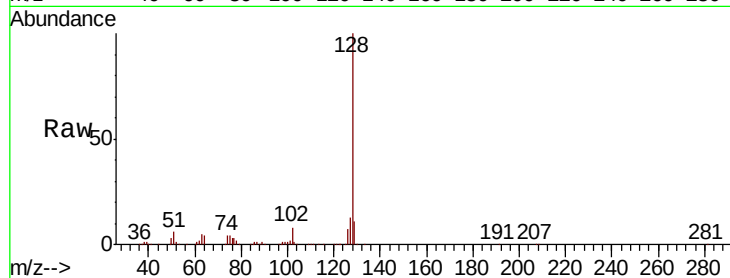
Tot Ion:128 Resp: 340778

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

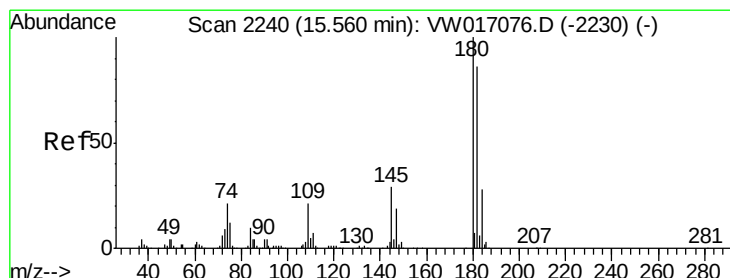
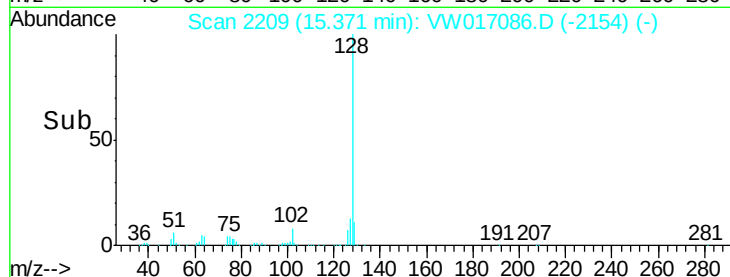
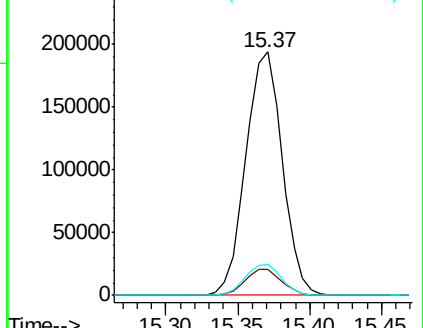
127 12.7 10.2 15.2



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: 23.494 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017086.D

Acq: 05 Nov 2020 09:04

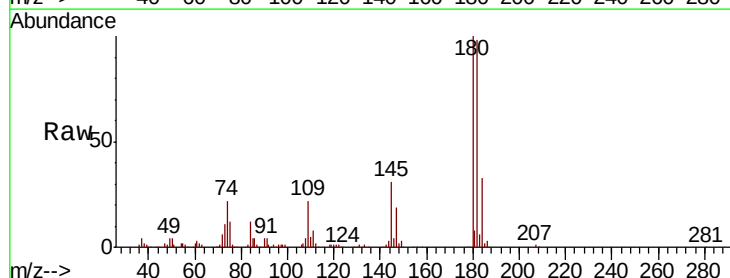
Tgt Ion:180 Resp: 175429

Ion Ratio Lower Upper

180 100

182 95.4 75.5 113.3

145 32.1 24.5 36.7



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

