

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017111.D
 Acq On : 06 Nov 2020 19:21
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:35:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	421502	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387290	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196276	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123059	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
7) Chloroethane-d5	2.89	69	95656	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
10) 1,1-Dichloroethene-d2	4.03	63	214813	22.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.48%
20) 2-Butanone-d5	7.08	46	58712	49.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.90%
24) Chloroform-d	7.65	84	233886	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	8.31	65	117652	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	8.27	84	454268	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	126722	23.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.92%
37) Toluene-d8	10.33	98	423389	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.08%
38) trans-1,3-Dichloropropene-	10.58	79	55936	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
39) 2-Hexanone-d5	10.93	63	47767	50.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119105	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	167006	24.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	106660	25.221	ug/L 98
3) Chloromethane	2.21	50	87075	22.687	ug/L 99
5) Vinyl chloride	2.37	62	140626	24.981	ug/L 99
6) Bromomethane	2.78	94	95499	24.531	ug/L 98
8) Chloroethane	2.93	64	87314	25.707	ug/L 99
9) Trichlorofluoromethane	3.26	101	112558	24.585	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	137975	25.360	ug/L 100
12) 1,1-Dichloroethene	4.04	96	125033	23.900	ug/L 97
13) Acetone	4.13	43	39090	49.173	ug/L 98
14) Carbon disulfide	4.39	76	327215	22.983	ug/L 99
15) Methyl Acetate	4.67	43	47013	23.860	ug/L 97
16) Methylene chloride	4.92	84	137545	24.204	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	159676	24.996	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	131608	24.303	ug/L 97
19) 1,1-Dichloroethane	6.22	63	215532	25.121	ug/L 99
21) 2-Butanone	7.18	43	62826	49.220	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	140752	24.583	ug/L 97

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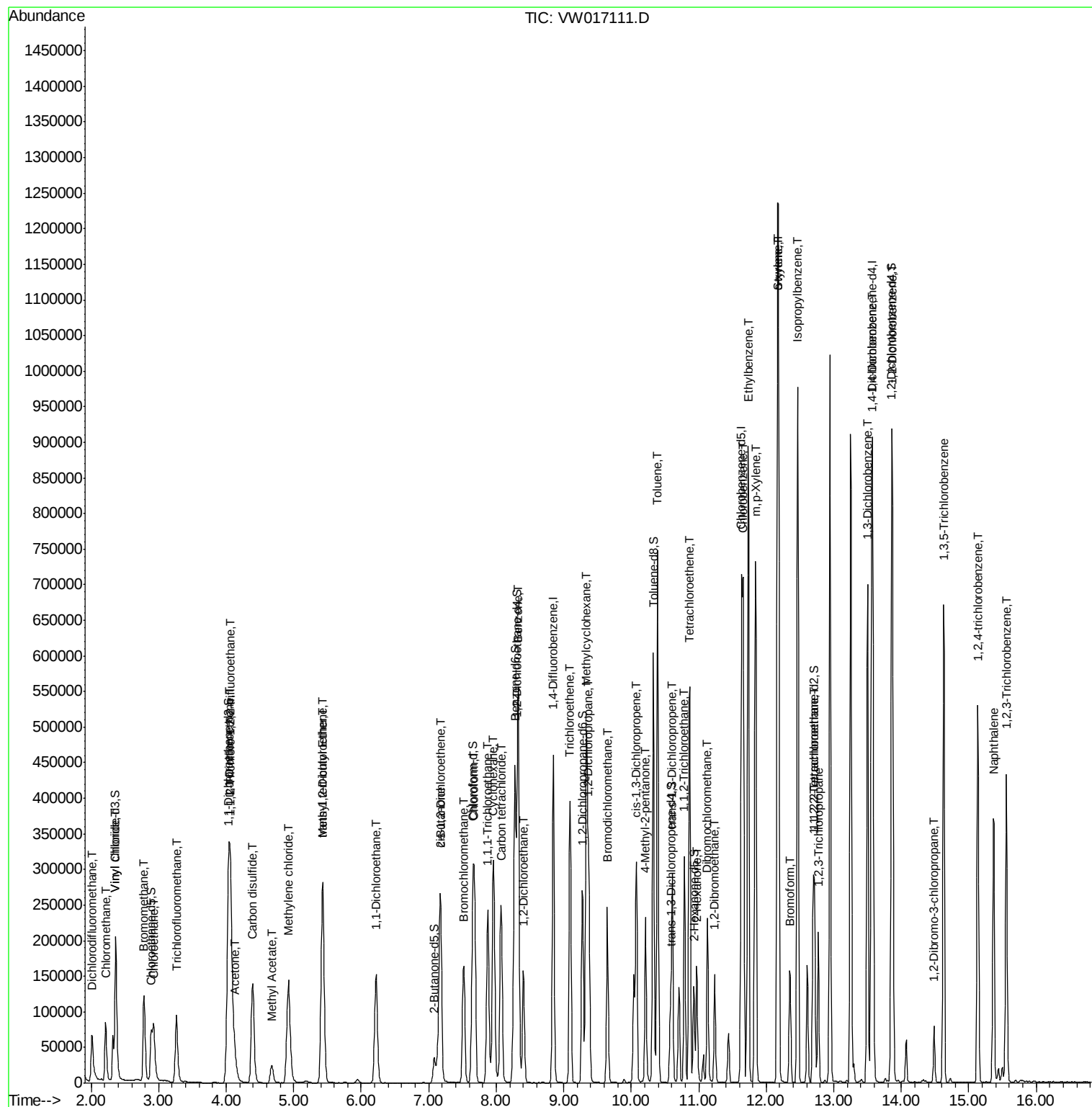
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66954	24.287	ug/L	94
25) Chloroform	7.68	83	238788	25.564	ug/L	98
27) 1,2-Dichloroethane	8.40	62	144141	25.750	ug/L	97
30) Cyclohexane	7.96	56	175239	24.031	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	203759	25.691	ug/L	99
32) Carbon tetrachloride	8.07	117	196348	25.656	ug/L	100
34) Benzene	8.32	78	504390	24.802	ug/L	100
35) Trichloroethene	9.09	95	141310	24.805	ug/L	98
36) Methylcyclohexane	9.34	83	220549	24.060	ug/L	99
40) 1,2-Dichloropropane	9.37	63	118954	25.022	ug/L	99
41) Bromodichloromethane	9.65	83	169023	25.707	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	188347	25.014	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	140941	48.054	ug/L	100
44) Toluene	10.39	91	568548	25.399	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	164395	25.422	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102945	25.116	ug/L	98
47) Tetrachloroethene	10.87	164	132407	25.761	ug/L	97
49) 2-Hexanone	10.97	43	92345	52.225	ug/L	99
50) Dibromochloromethane	11.13	129	127001	25.433	ug/L	98
51) 1,2-Dibromoethane	11.24	107	99659	25.028	ug/L	98
52) Chlorobenzene	11.66	112	380163	25.110	ug/L	99
53) Ethylbenzene	11.73	91	634682	25.384	ug/L	98
54) m,p-Xylene	11.84	106	247359	25.291	ug/L	99
55) o-xylene	12.17	106	234522	25.262	ug/L	92
56) Styrene	12.18	104	407056	26.116	ug/L	100
57) Isopropylbenzene	12.46	105	650049	25.801	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	121002	25.555	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	88192	25.913	ug/L	98
62) Bromoform	12.35	173	76104	25.259	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	308307	25.251	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	304723	24.842	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	281398	25.557	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	18632	25.594	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	219108	24.353	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	171881	23.939	ug/L	98
69) Naphthalene	15.37	128	338090	25.588	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	163328	24.896	ug/L	100

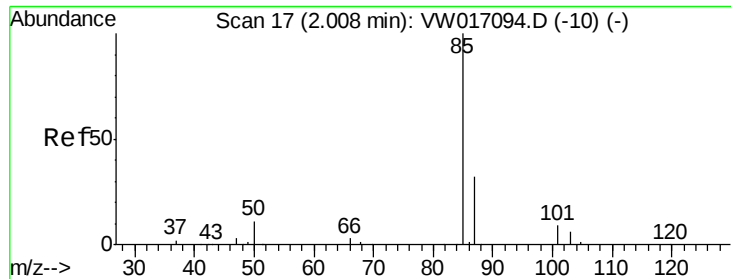
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.221 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

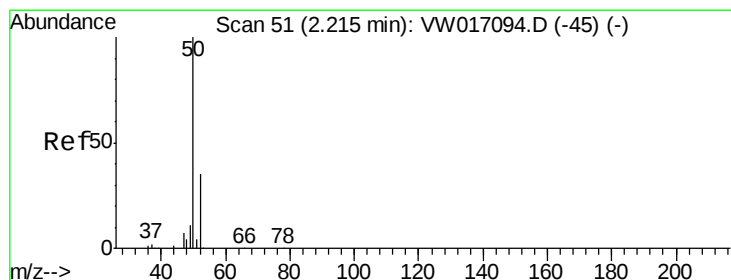
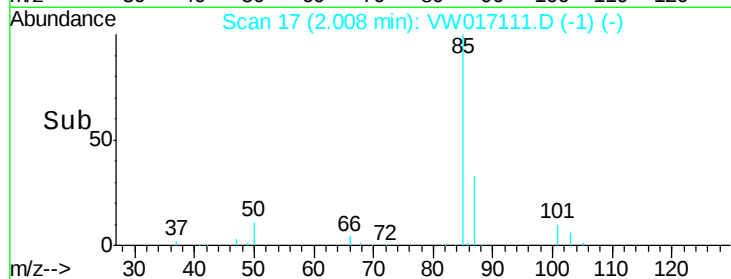
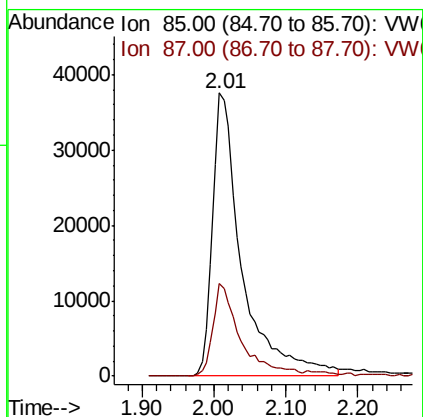
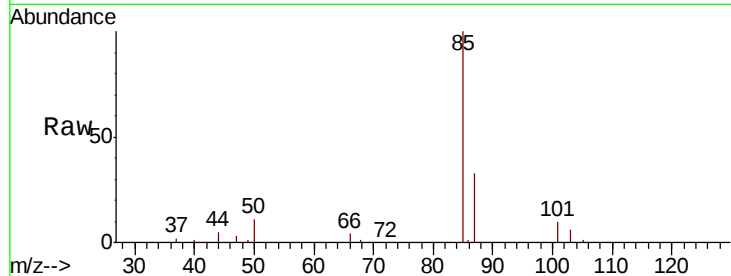
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 106660

Ion Ratio Lower Upper

85 100

87 29.8 21.5 39.9



#3

Chloromethane

Concen: 22.687 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017111.D

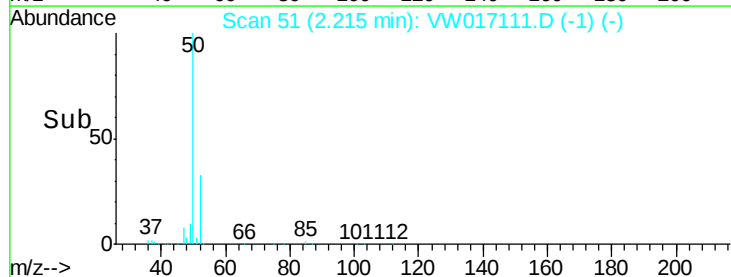
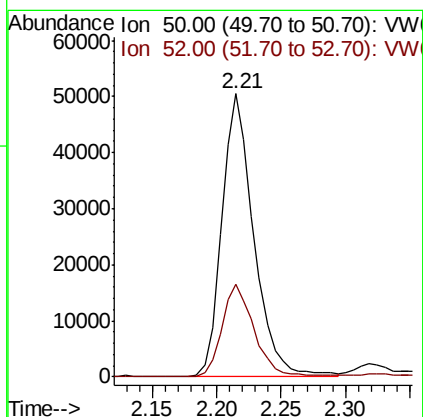
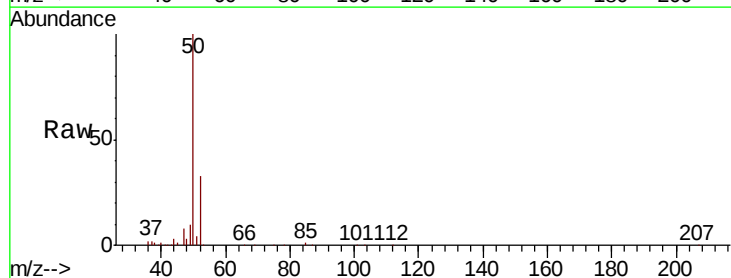
Acq: 06 Nov 2020 19:21

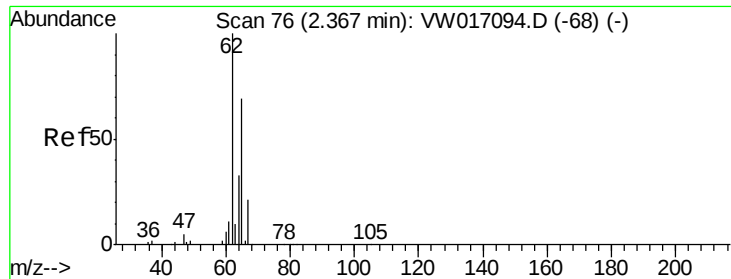
Tgt Ion: 50 Resp: 87075

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9





#5

Vinyl chloride

Concen: 24.981 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

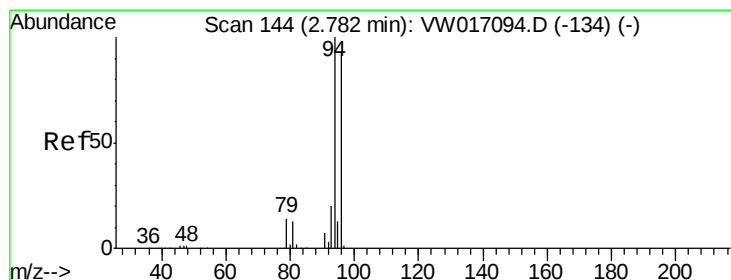
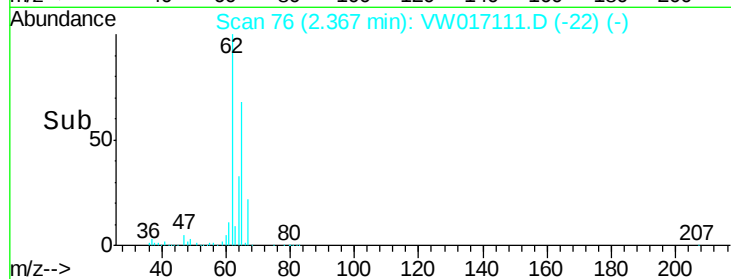
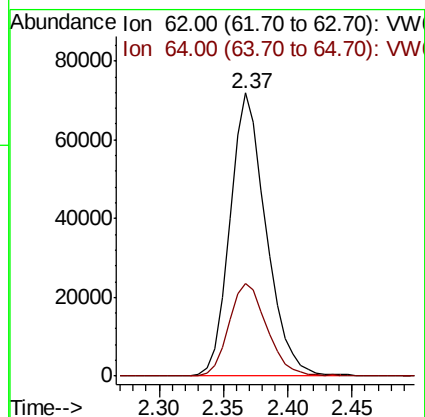
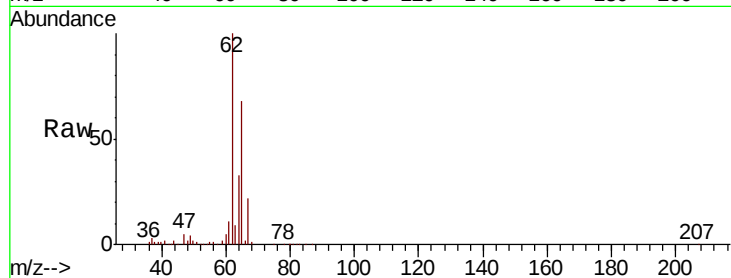
ClientSampleId :

Tot Ion: 62 Resp: 140626

Ion Ratio Lower Upper

62 100

64 32.8 23.3 43.3



#6

Bromomethane

Concen: 24.531 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017111.D

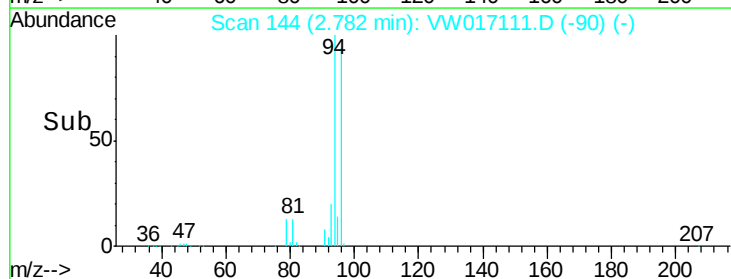
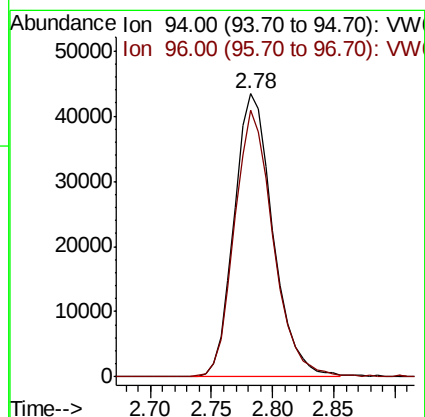
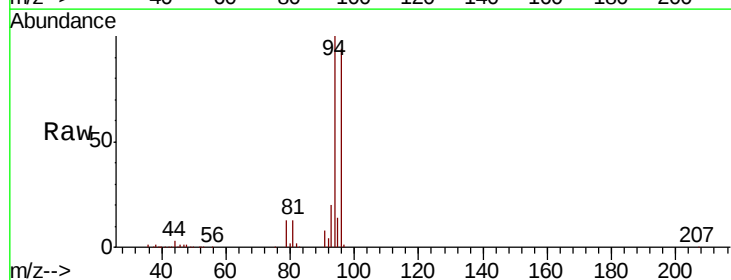
Acq: 06 Nov 2020 19:21

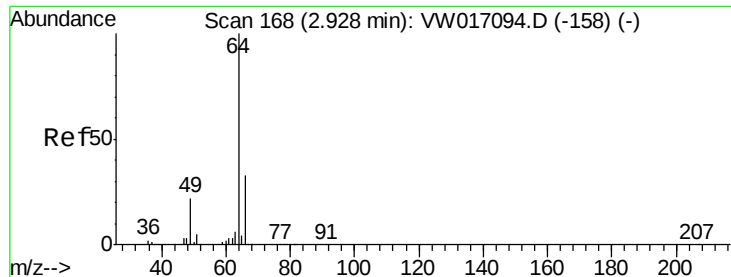
Tgt Ion: 94 Resp: 95499

Ion Ratio Lower Upper

94 100

96 93.9 9.6 181.8

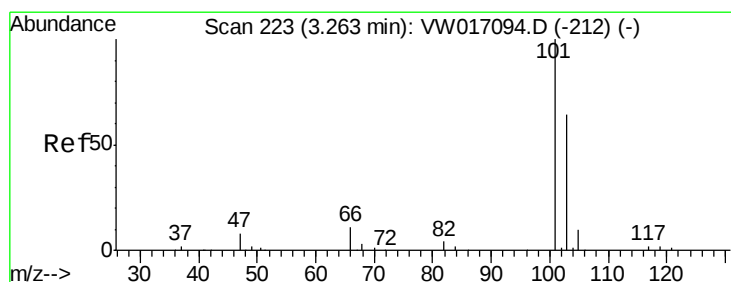
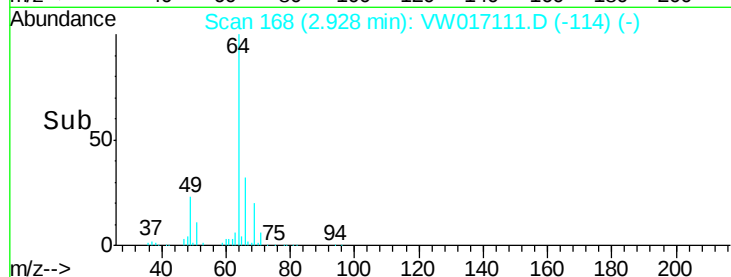
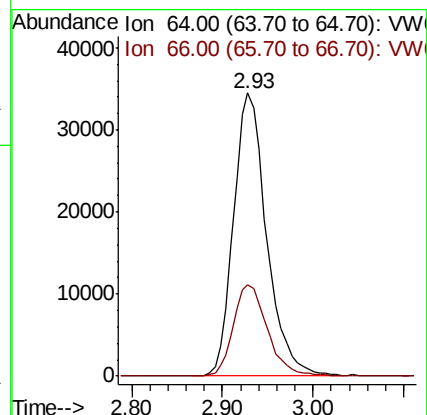
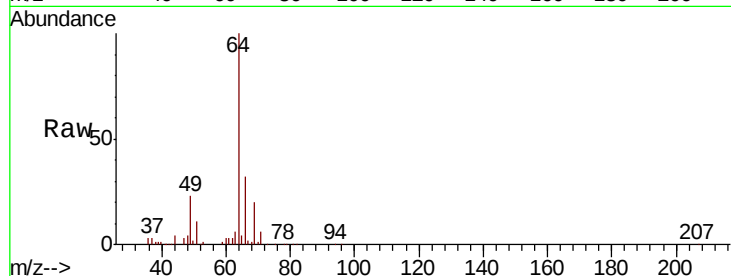




#8
Chloroethane
Concen: 25.707 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

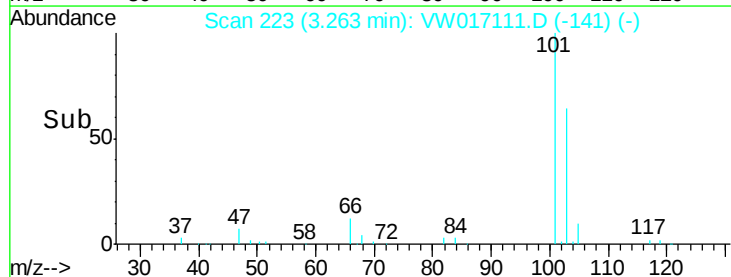
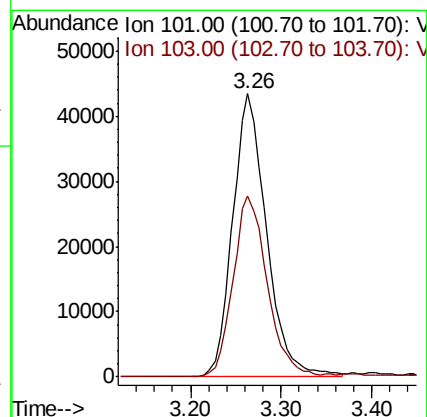
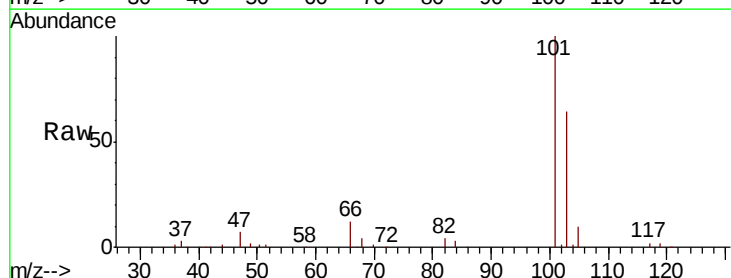
Instrument :
MSVOA_W
ClientSampleId :

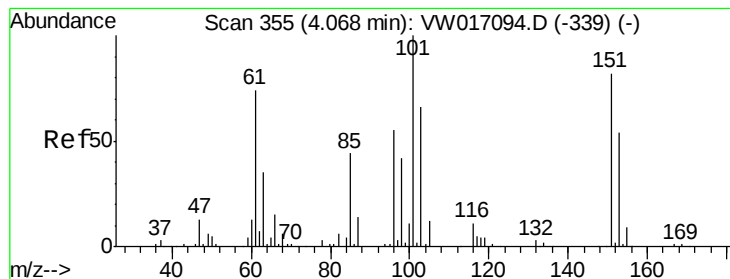
Tot Ion: 64 Resp: 87314
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 24.585 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion: 101 Resp: 112558
Ion Ratio Lower Upper
101 100
103 64.5 45.4 84.2





#11

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

Concen: 25.360 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

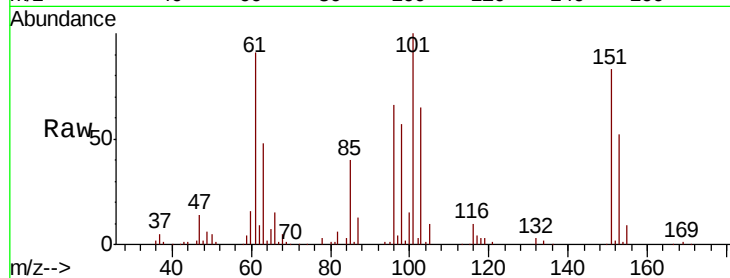
Tot Ion: 101 Resp: 137975

Ion Ratio Lower Upper

101 100

85 40.7 32.8 49.2

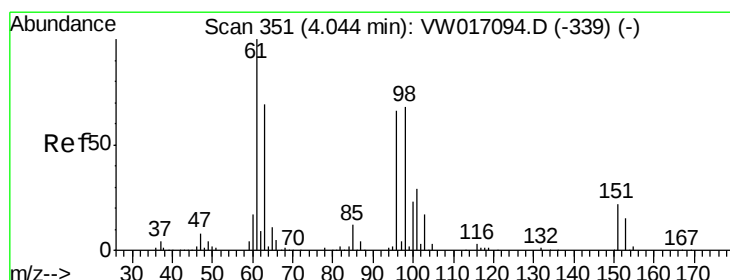
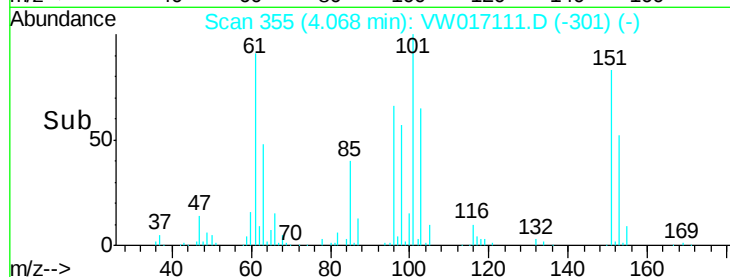
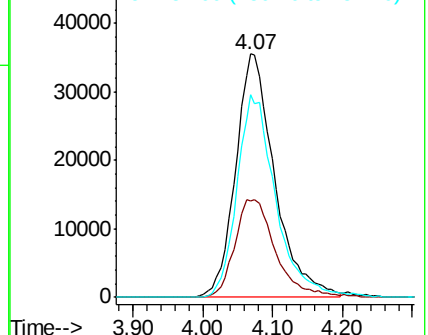
151 82.0 65.4 98.2



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: 23.900 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

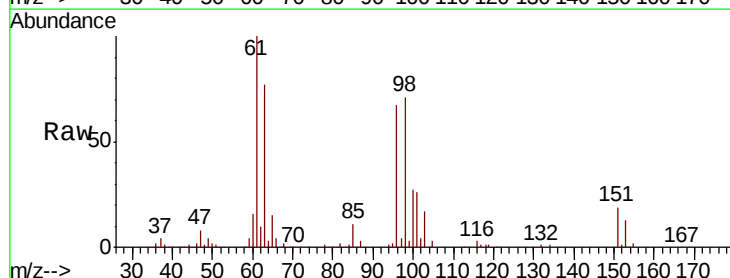
Tgt Ion: 96 Resp: 125033

Ion Ratio Lower Upper

96 100

61 150.1 103.8 192.8

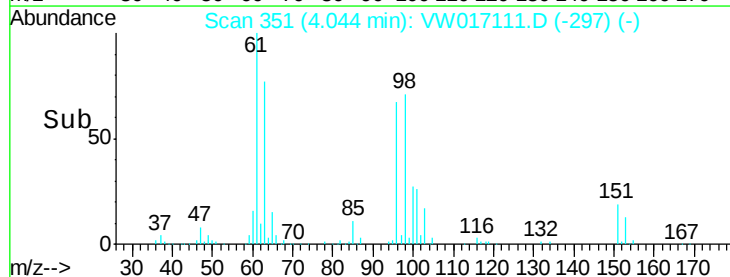
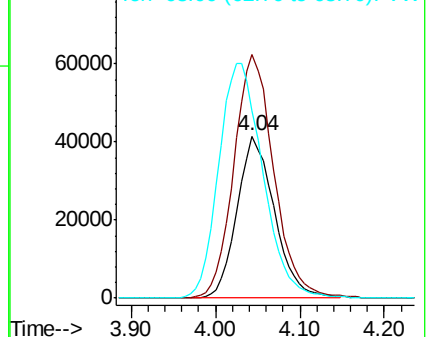
63 115.5 84.4 156.7

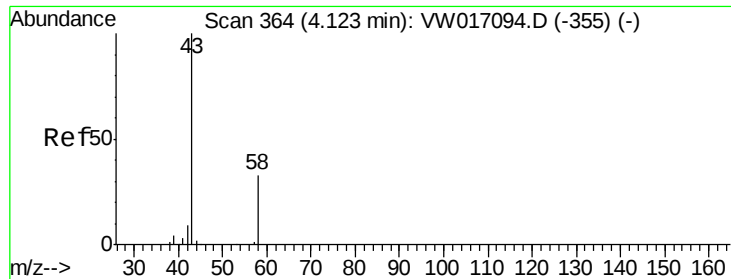


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.173 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

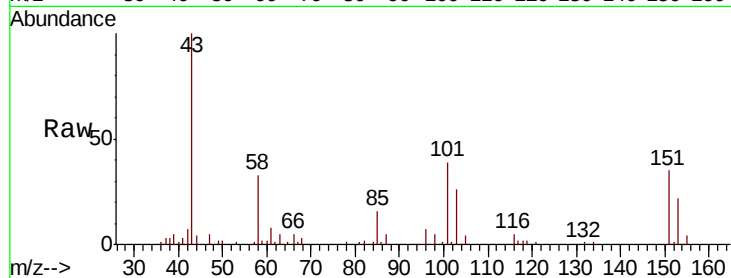
ClientSampled :

Tot Ion: 43 Resp: 39090

Ion Ratio Lower Upper

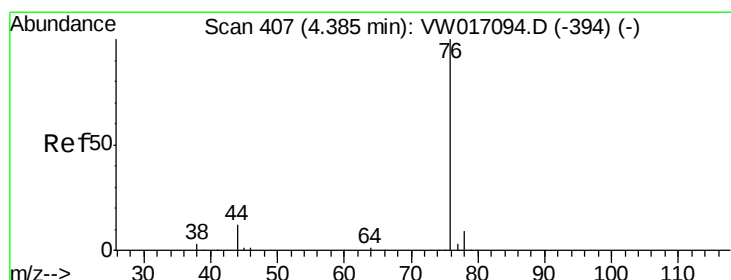
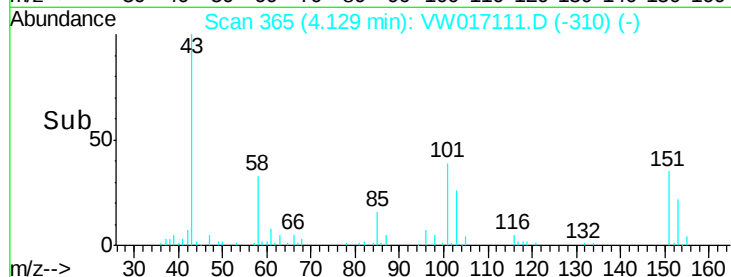
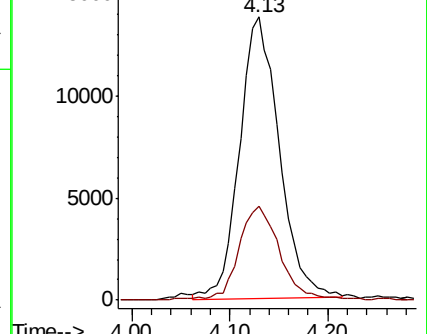
43 100

58 33.3 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.983 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017111.D

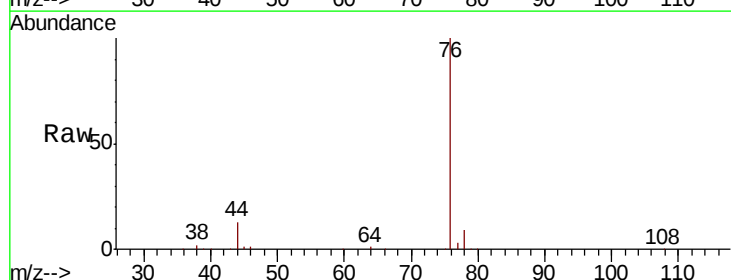
Acq: 06 Nov 2020 19:21

Tgt Ion: 76 Resp: 327215

Ion Ratio Lower Upper

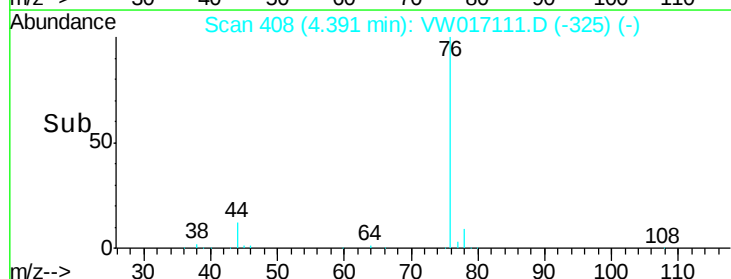
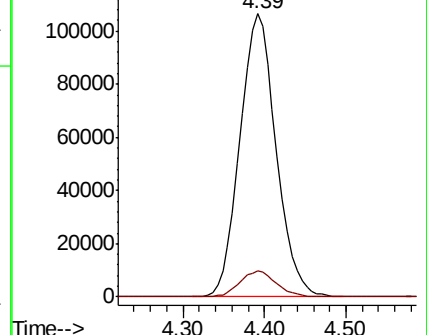
76 100

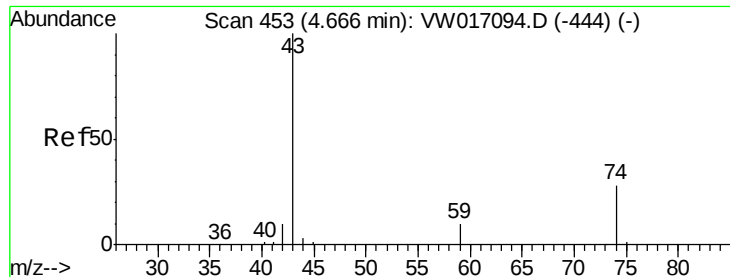
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

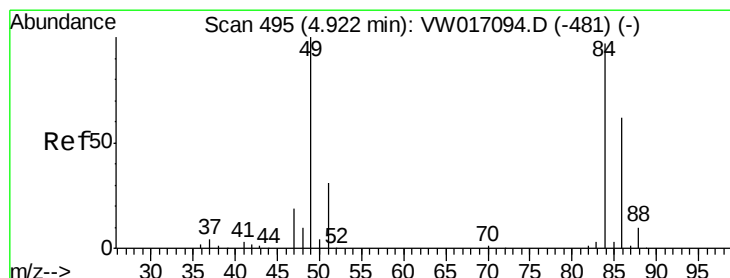
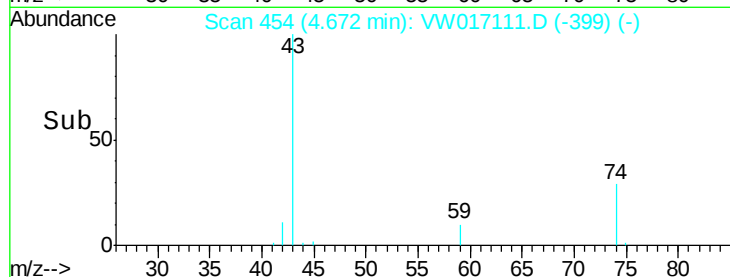
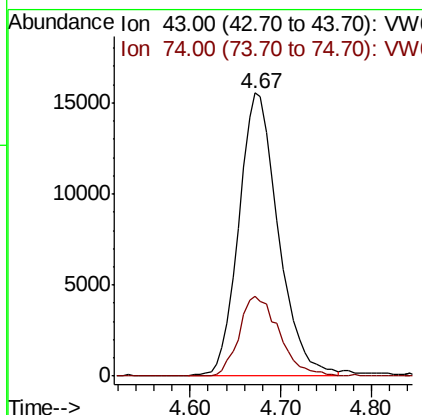
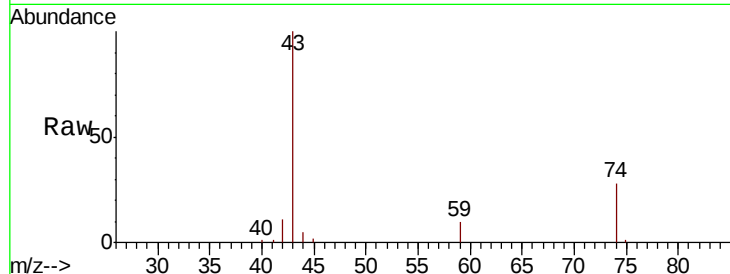




#15
Methvl Acetate
Concen: 23.860 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

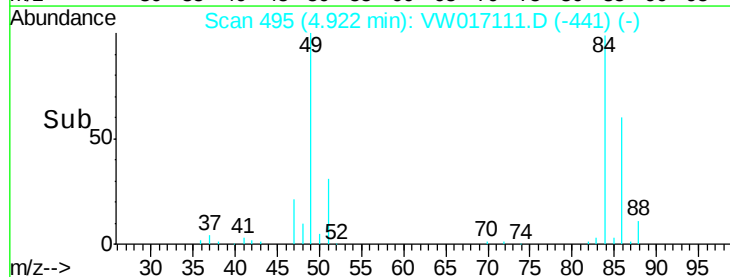
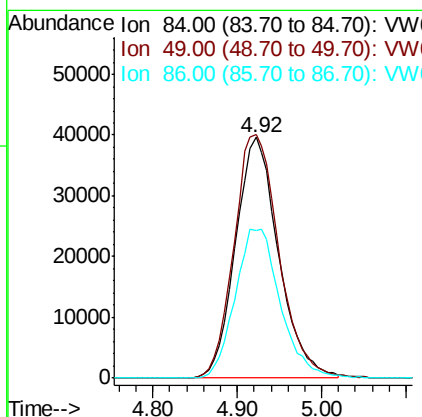
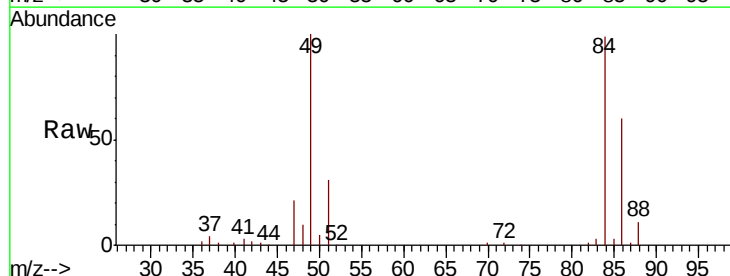
Instrument :
MSVOA_W
ClientSampleId :

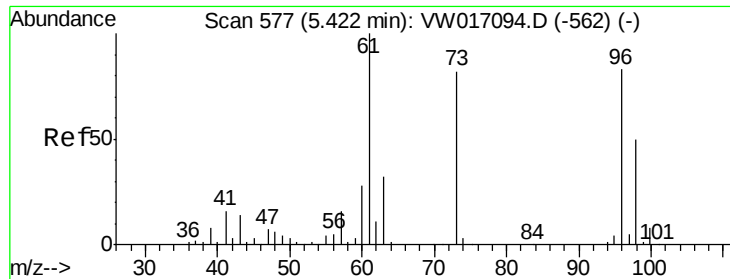
Tot Ion: 43 Resp: 47013
Ion Ratio Lower Upper
43 100
74 28.5 21.5 32.3



#16
Methylene chloride
Concen: 24.204 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion: 84 Resp: 137545
Ion Ratio Lower Upper
84 100
49 101.3 72.3 134.3
86 61.3 45.1 83.7

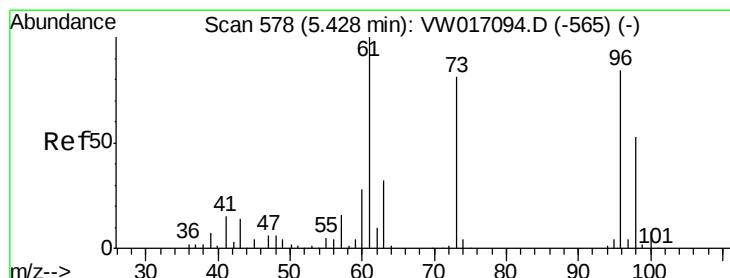
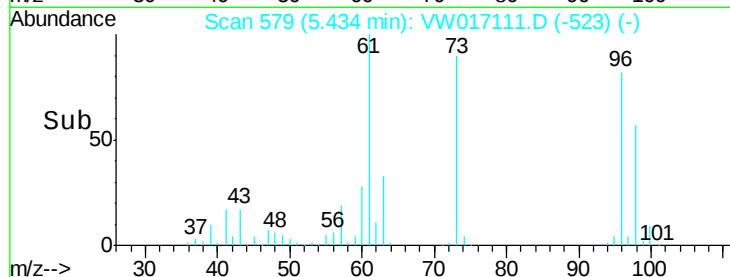
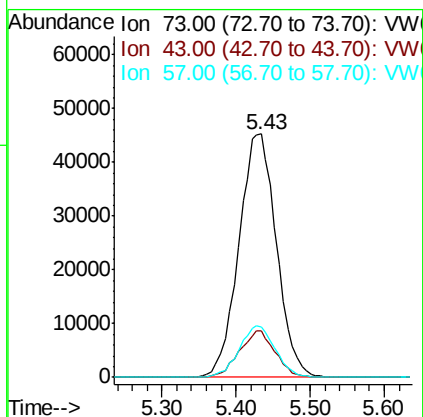
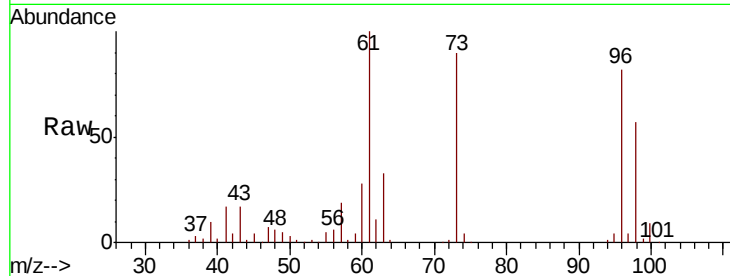




#17
Methvl tert-butvl Ether
Concen: 24.996 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

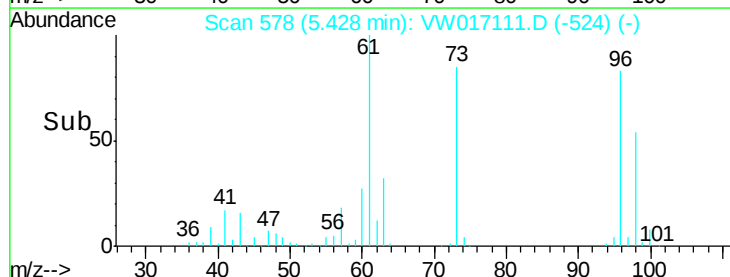
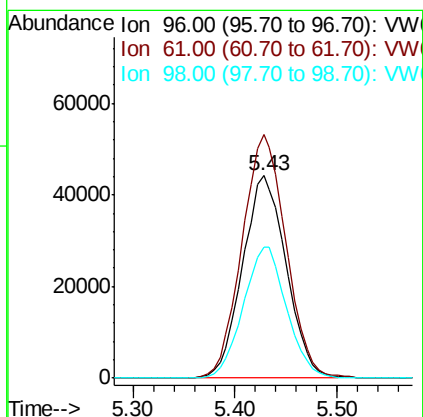
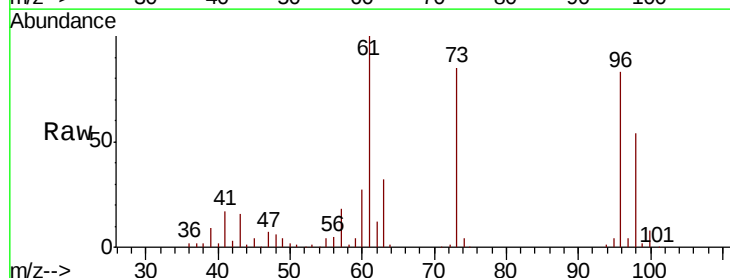
Instrument :
MSVOA_W
ClientSampled :

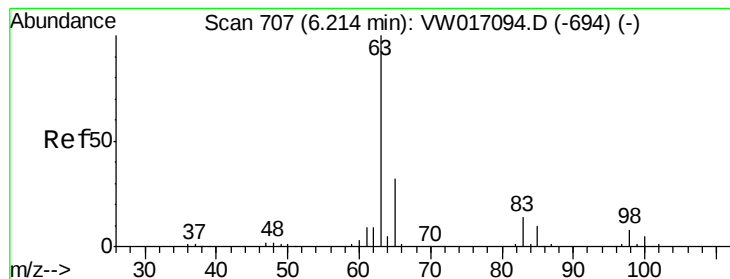
Tot Ion: 73 Resp: 159676
Ion Ratio Lower Upper
73 100
43 18.4 14.5 21.7
57 20.4 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 24.303 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion: 96 Resp: 131608
Ion Ratio Lower Upper
96 100
61 120.5 86.8 161.2
98 64.7 44.4 82.4





#19

1,1-Dichloroethane

Concen: 25.121 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

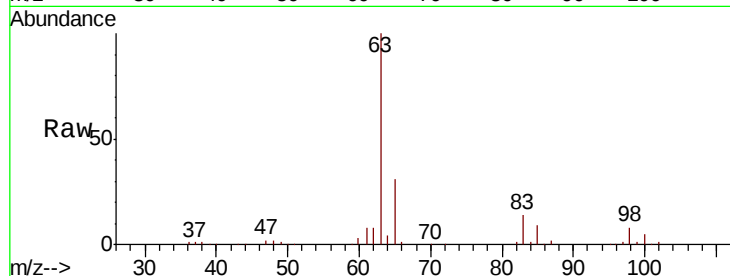
Tot Ion: 63 Resp: 215532

Ion Ratio Lower Upper

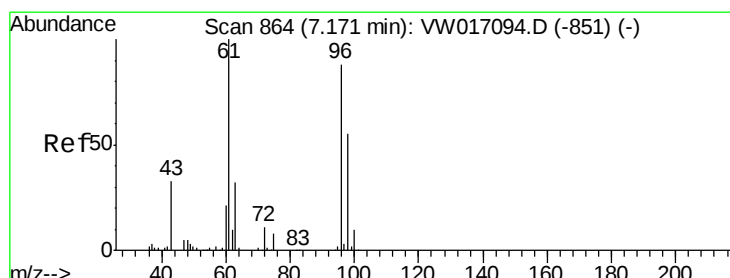
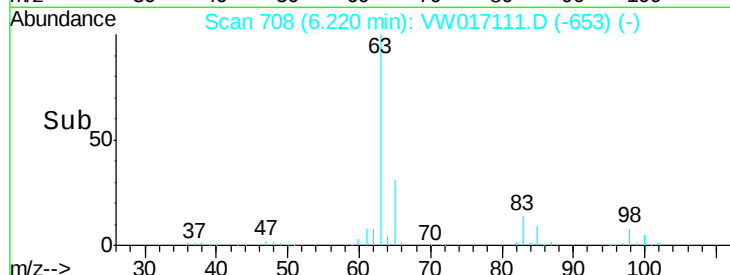
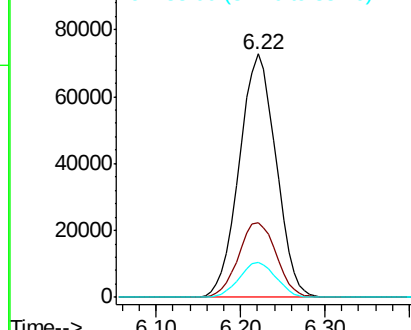
63 100

65 30.8 22.1 41.1

83 14.4 10.0 18.6



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: 49.220 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017111.D

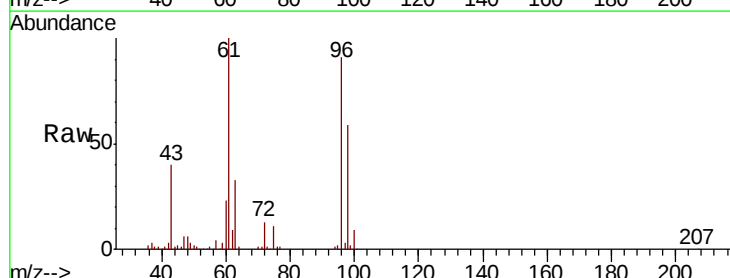
Acq: 06 Nov 2020 19:21

Tgt Ion: 43 Resp: 62826

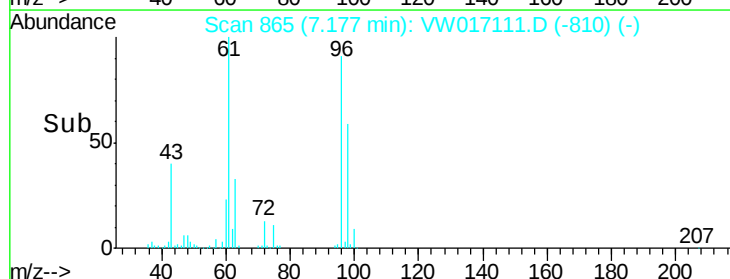
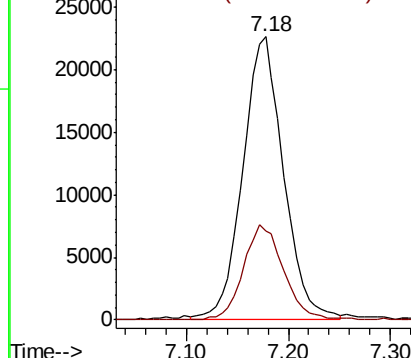
Ion Ratio Lower Upper

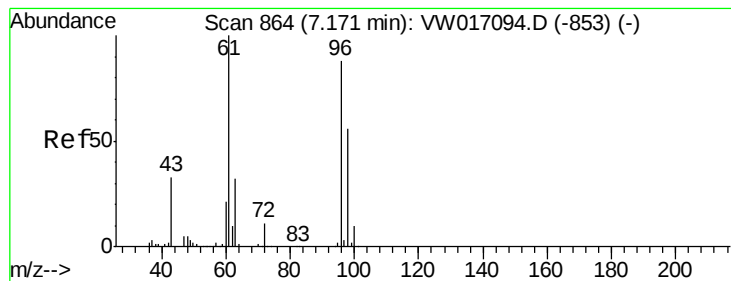
43 100

72 32.8 16.1 48.3



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



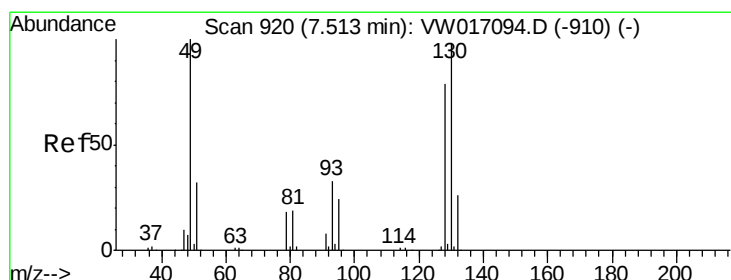
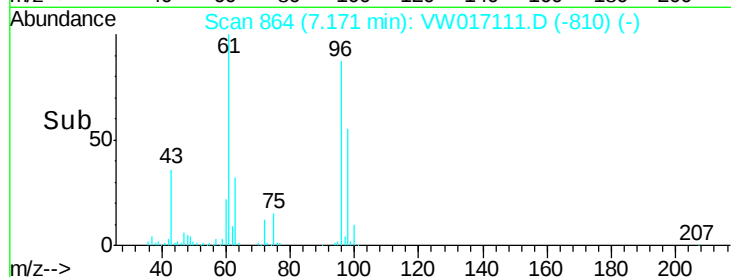
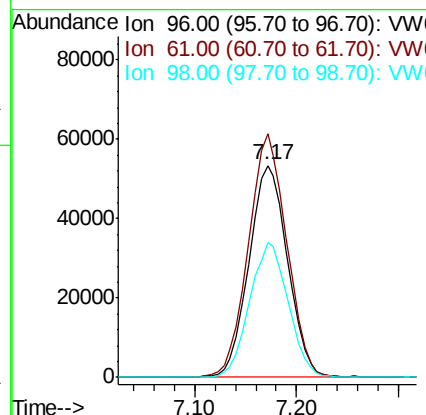
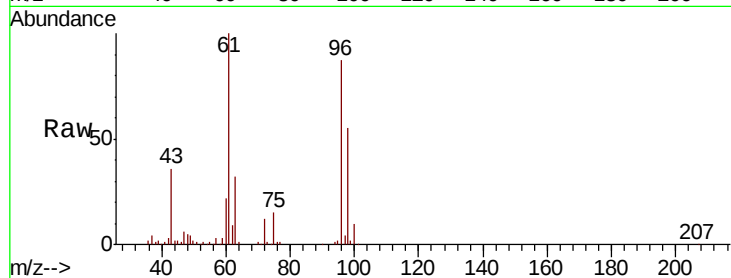


#22

cis-1,2-Dichloroethene
 Concen: 24.583 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Instrument :
 MSVOA_W
 ClientSampleId :

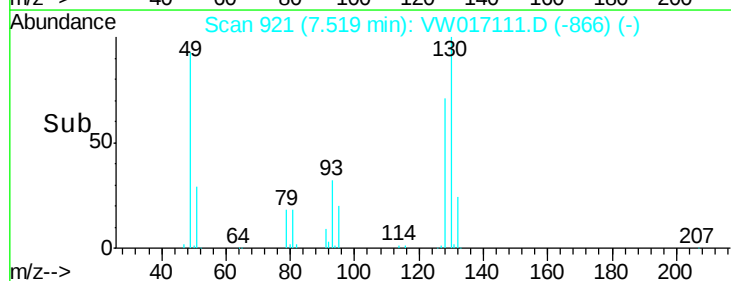
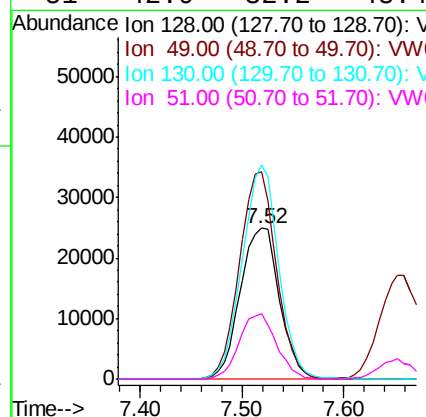
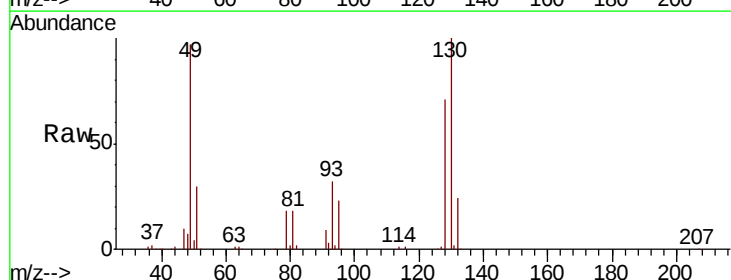
Tot Ion: 96 Resp: 140752
 Ion Ratio Lower Upper
 96 100
 61 114.8 77.4 143.8
 98 63.4 45.1 83.7

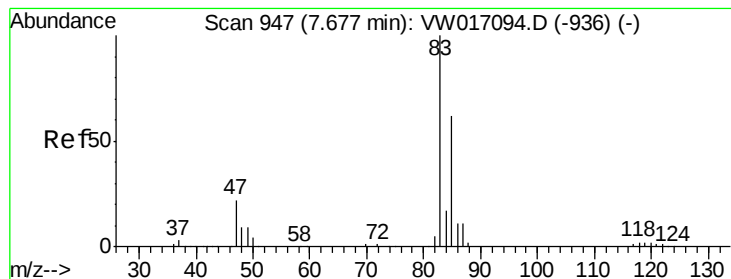


#23

Bromochloromethane
 Concen: 24.287 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion:128 Resp: 66954
 Ion Ratio Lower Upper
 128 100
 49 137.2 88.3 163.9
 130 141.4 95.6 177.6
 51 42.9 32.2 48.4





#25

Chloroform

Concen: 25.564 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

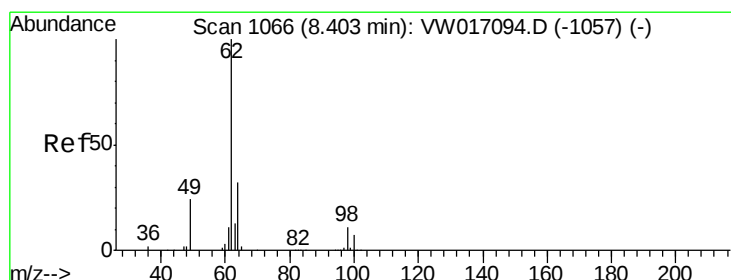
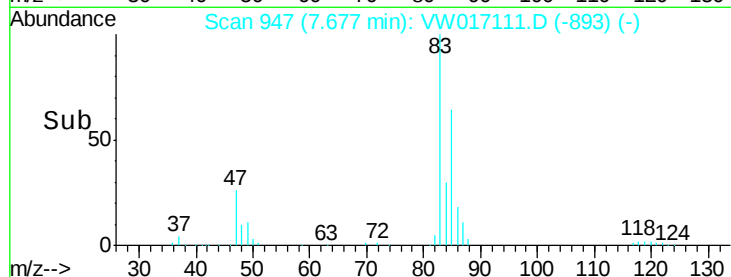
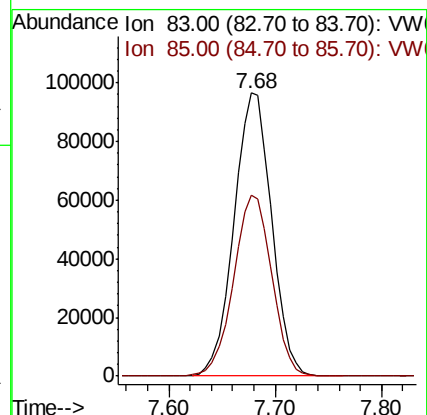
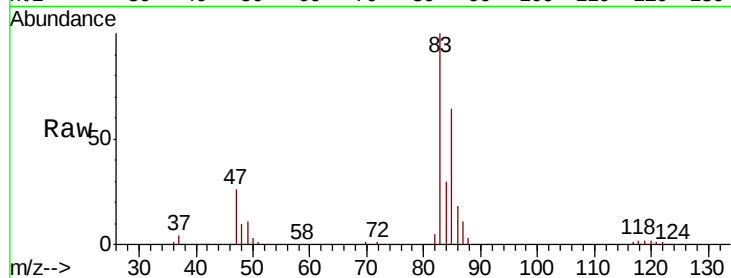
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 238788

Ion Ratio Lower Upper

83 100

85 64.9 46.4 86.2



#27

1,2-Dichloroethane

Concen: 25.750 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017111.D

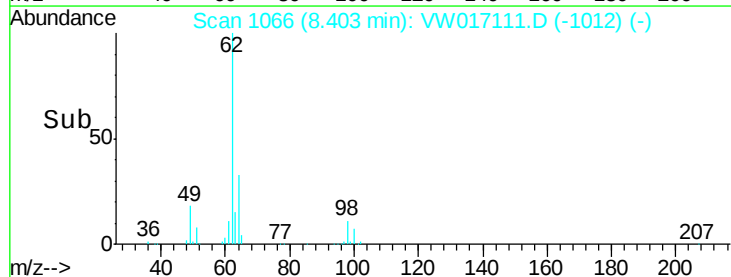
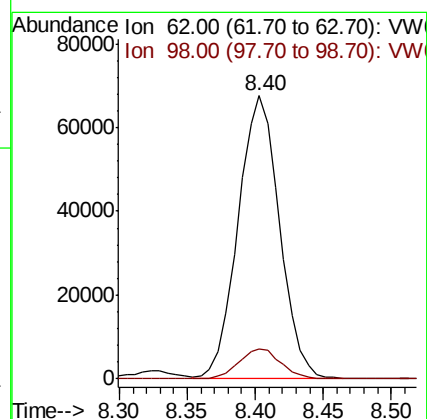
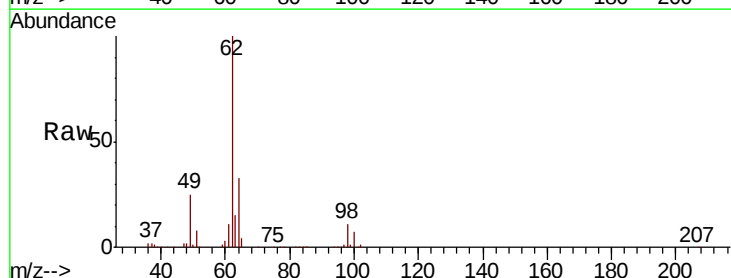
Acq: 06 Nov 2020 19:21

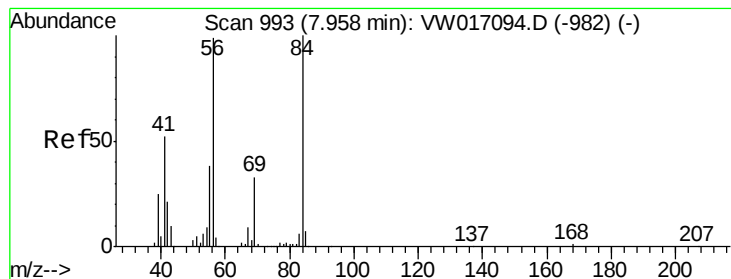
Tgt Ion: 62 Resp: 144141

Ion Ratio Lower Upper

62 100

98 10.7 9.4 14.0





#30

Cyclohexane

Concen: 24.031 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

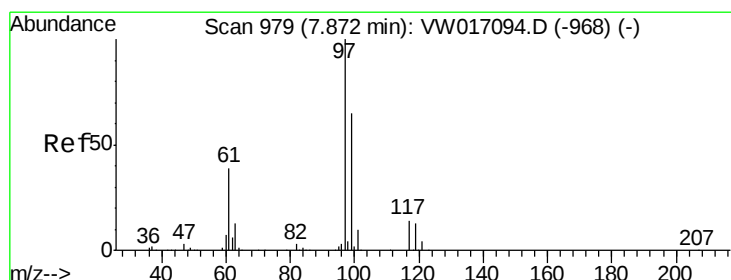
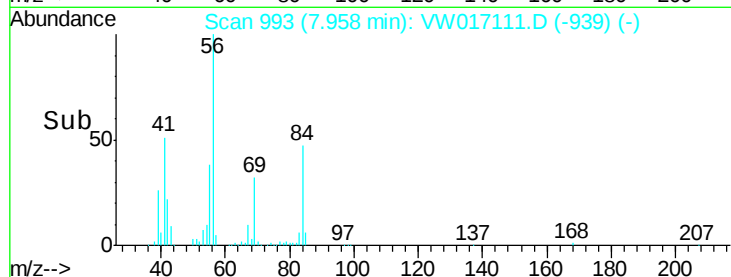
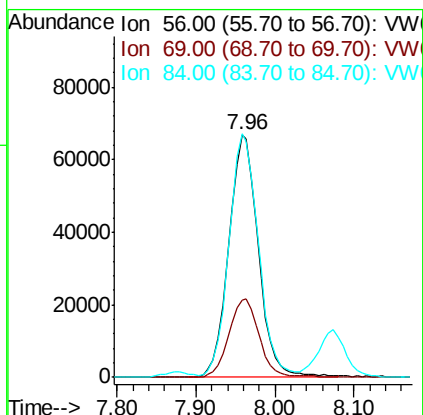
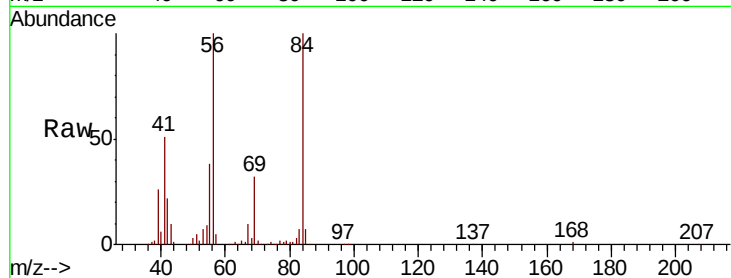
Tot Ion: 56 Resp: 175239

Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

84 99.2 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 25.691 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

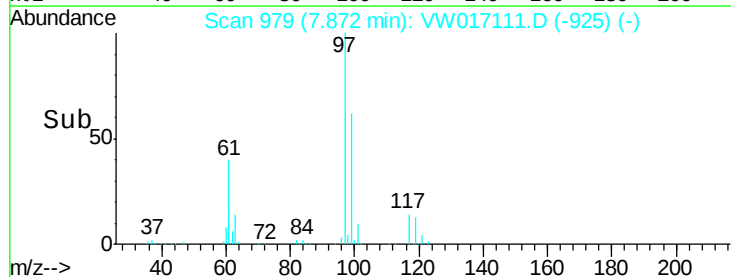
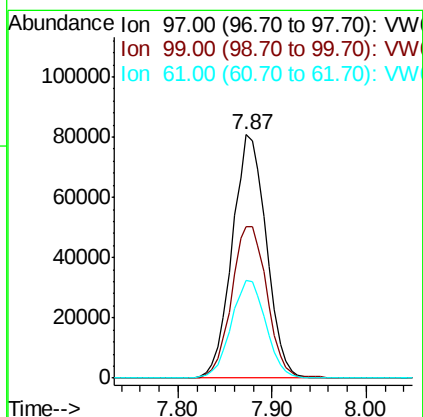
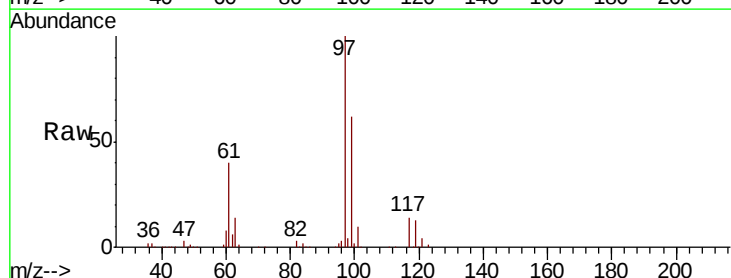
Tgt Ion: 97 Resp: 203759

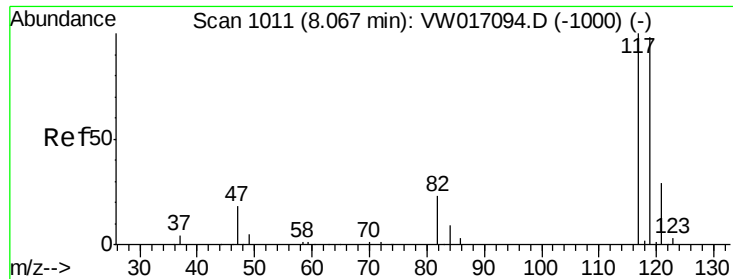
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 40.7 31.6 47.4





#32

Carbon tetrachloride

Concen: 25.656 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

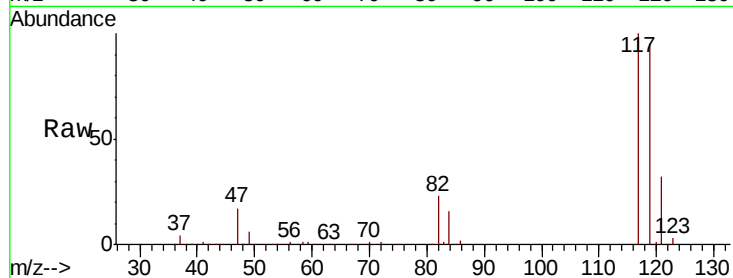
ClientSampleId :

Tot Ion:117 Resp: 196348

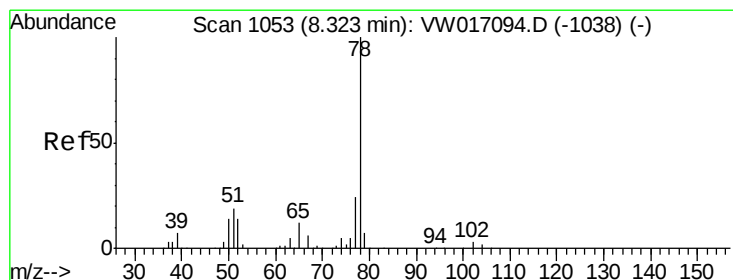
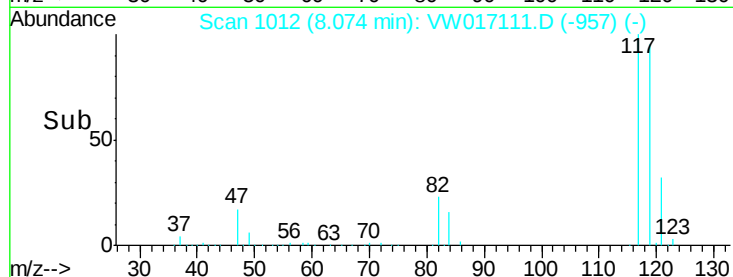
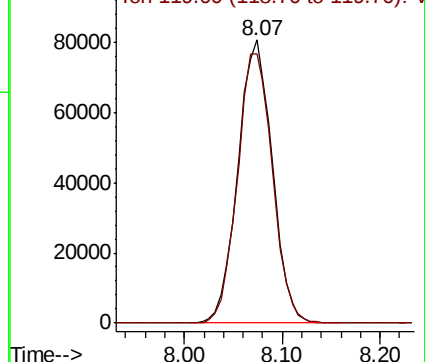
Ion Ratio Lower Upper

117 100

119 97.5 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: 24.802 ug/L

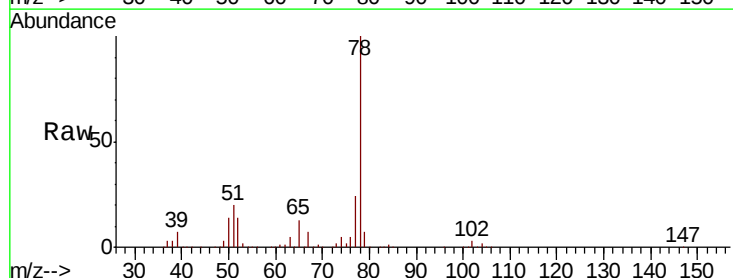
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

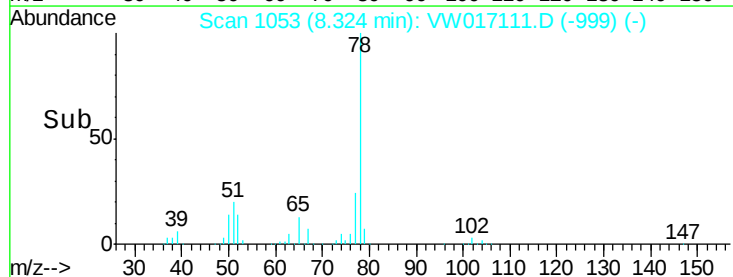
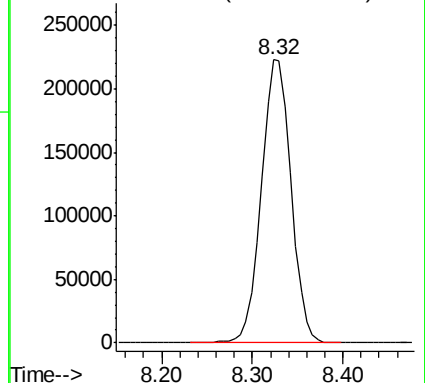
Lab File: VW017111.D

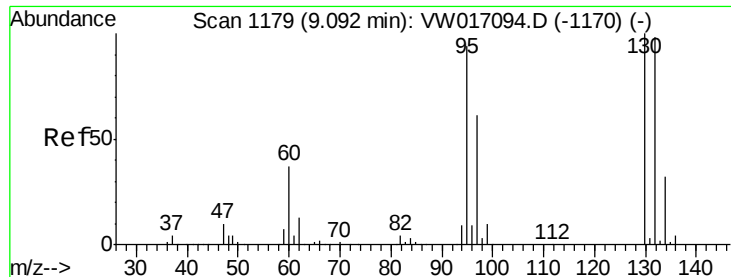
Acq: 06 Nov 2020 19:21

Tgt Ion: 78 Resp: 504390



Abundance Ion 78.00 (77.70 to 78.70): VW

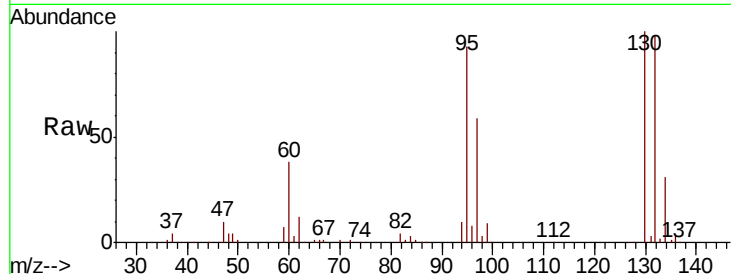




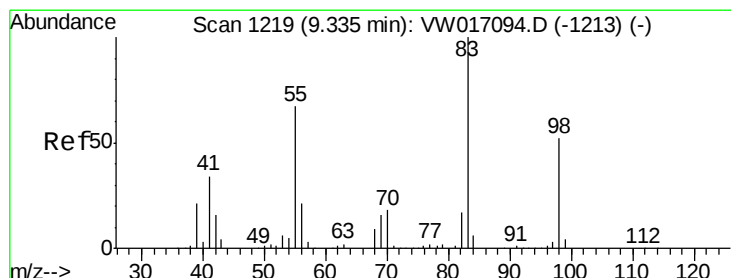
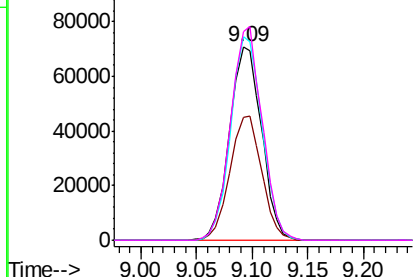
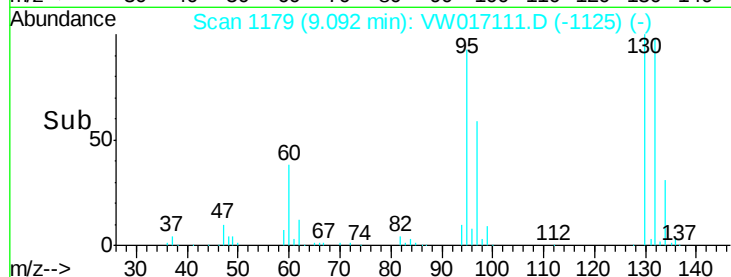
#35
 Trichloroethene
 Concen: 24.805 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	141310
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.0	83.6
132	103.6	73.7	136.9
130	108.3	77.1	143.1

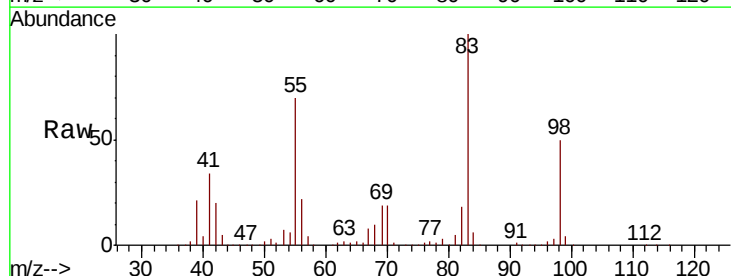


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

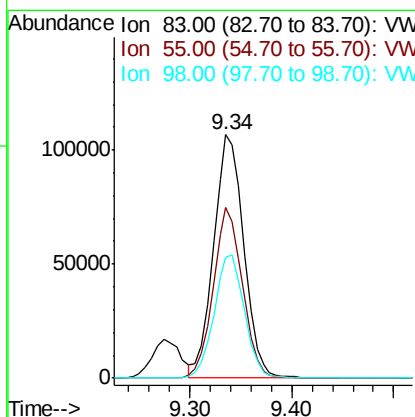
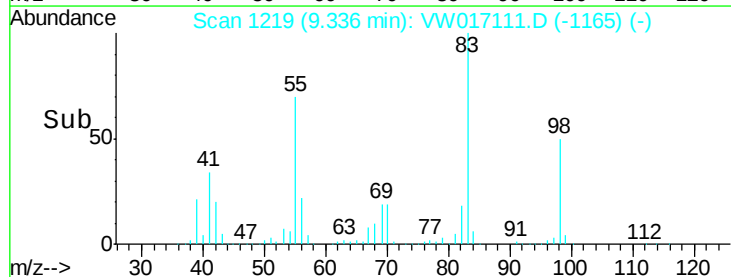


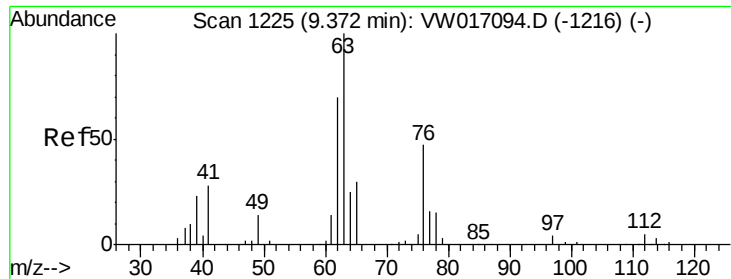
#36
 Methylcyclohexane
 Concen: 24.060 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion:	83	Resp:	220549
Ion	Ratio	Lower	Upper
83	100		
55	67.5	54.4	81.6
98	51.0	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

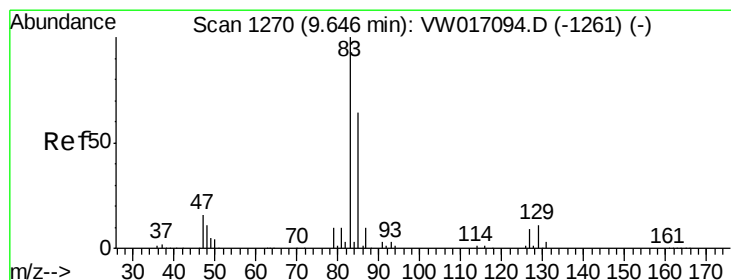
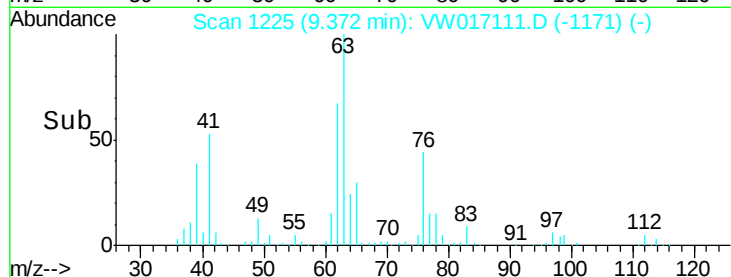
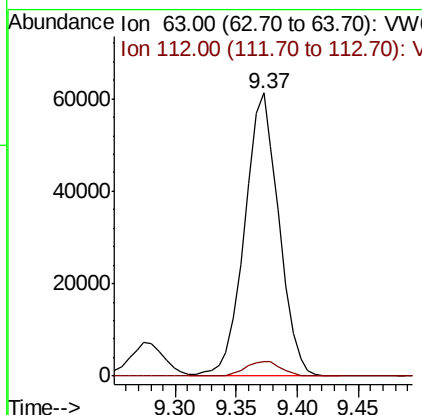
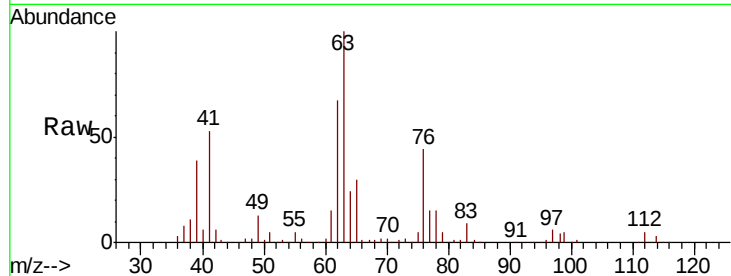




#40
 1,2-Dichloropropane
 Concen: 25.022 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

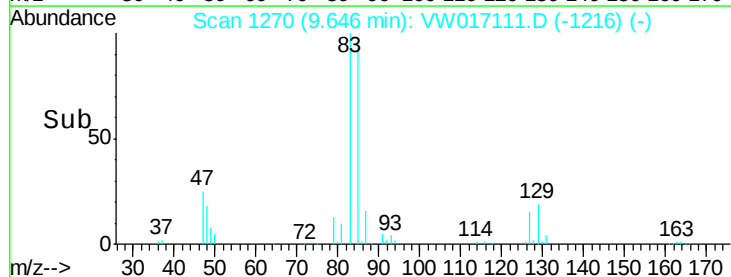
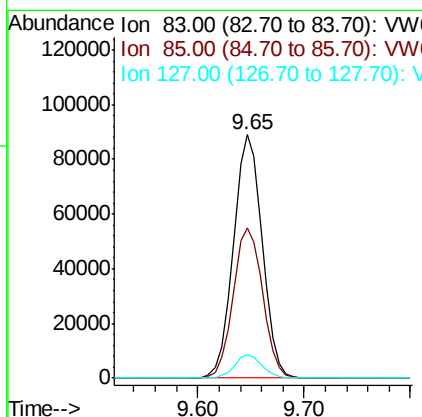
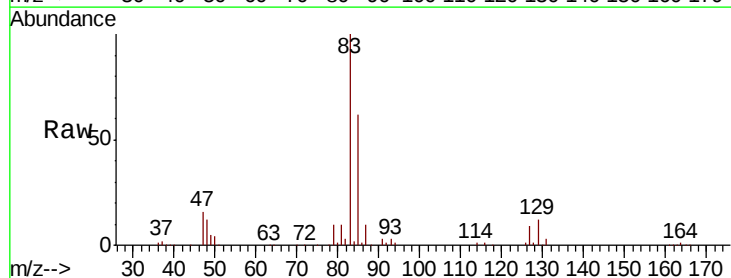
Instrument :
 MSVOA_W
 ClientSampleId :

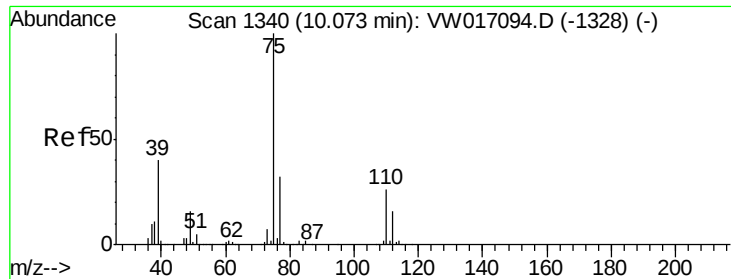
Tot Ion: 63 Resp: 118954
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2



#41
 Bromodichloromethane
 Concen: 25.707 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion: 83 Resp: 169023
 Ion Ratio Lower Upper
 83 100
 85 61.6 44.4 82.4
 127 9.4 7.3 10.9

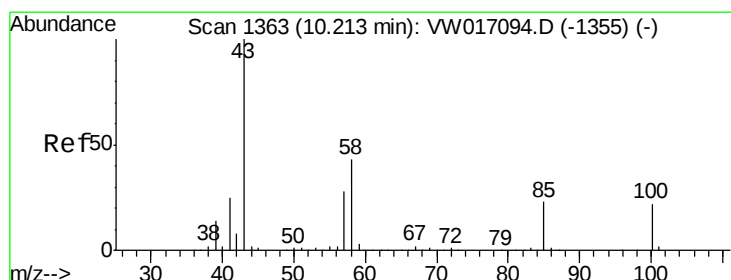
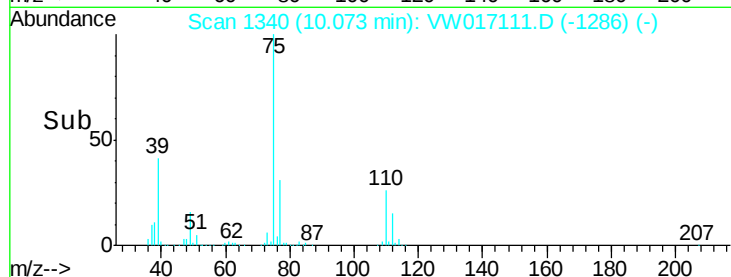
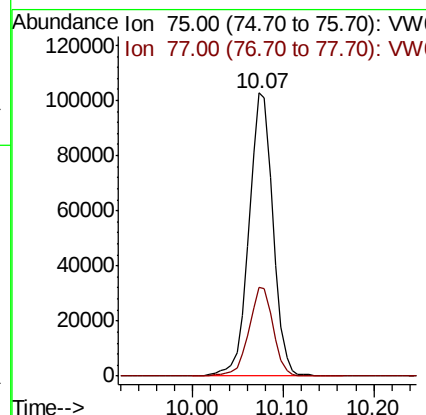
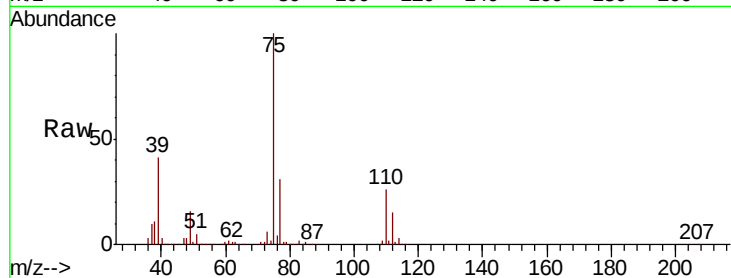




#42
 cis-1,3-Dichloropropene
 Concen: 25.014 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

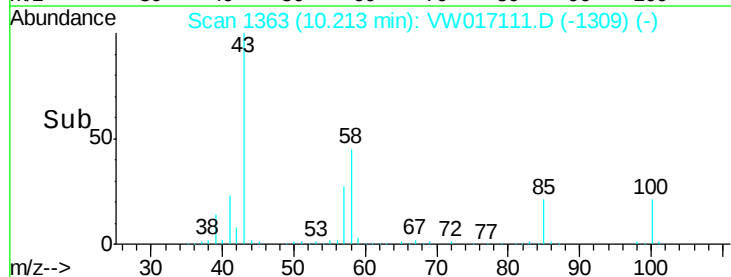
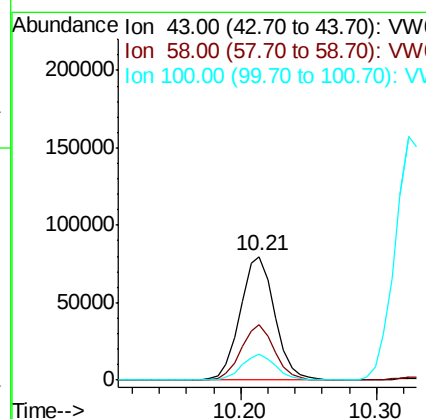
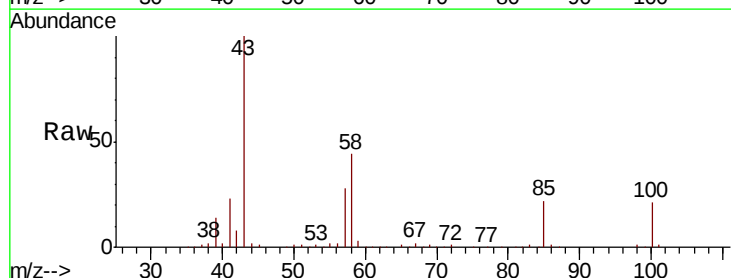
Instrument :
 MSVOA_W
 ClientSampleId :

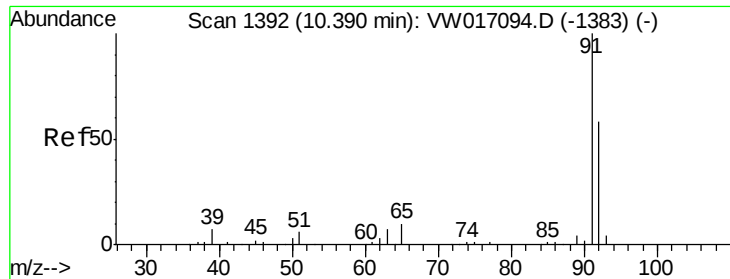
Tot Ion: 75 Resp: 188347
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 48.054 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion: 43 Resp: 140941
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.0 52.6
 100 20.4 16.6 24.8





#44

Toluene

Concen: 25.399 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

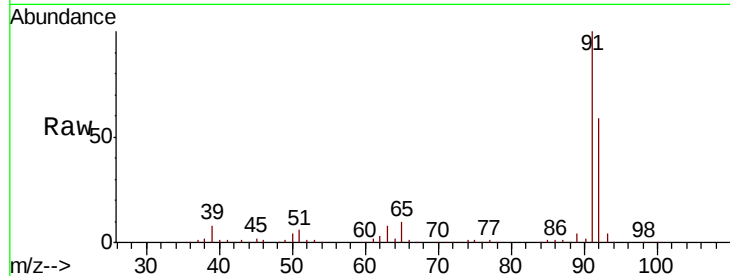
ClientSampleId :

Tot Ion: 91 Resp: 568548

Ion Ratio Lower Upper

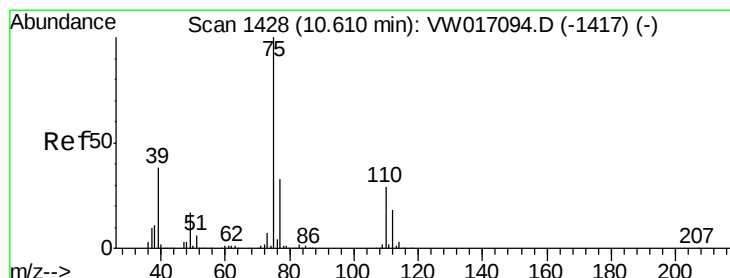
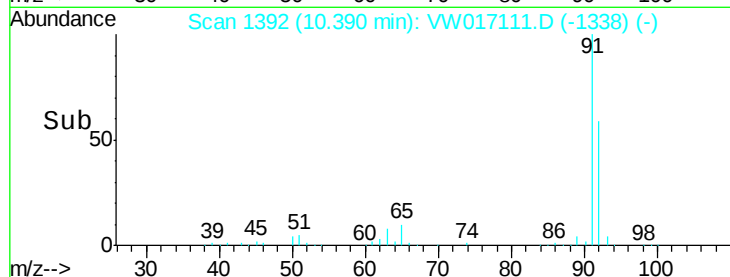
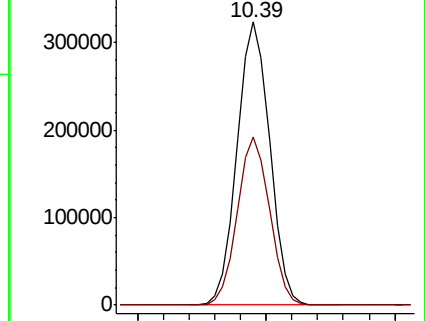
91 100

92 59.4 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 25.422 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017111.D

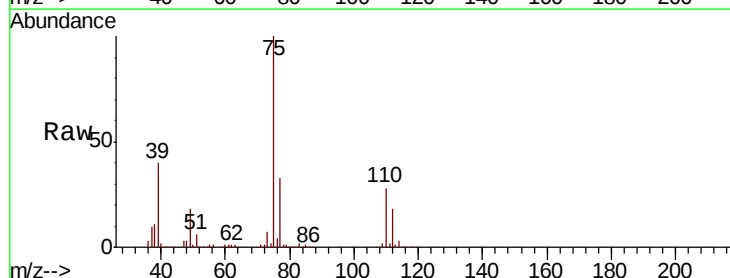
Acq: 06 Nov 2020 19:21

Tgt Ion: 75 Resp: 164395

Ion Ratio Lower Upper

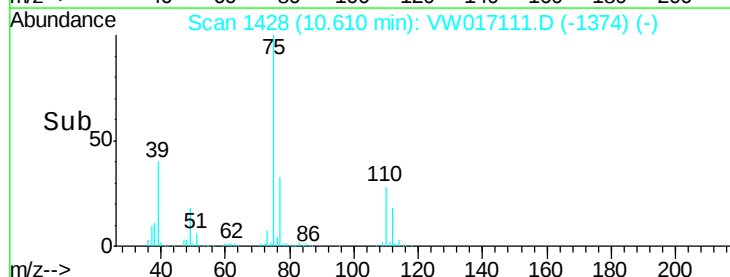
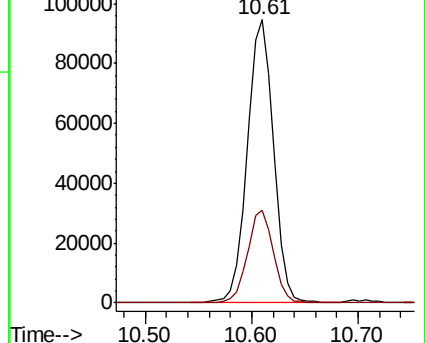
75 100

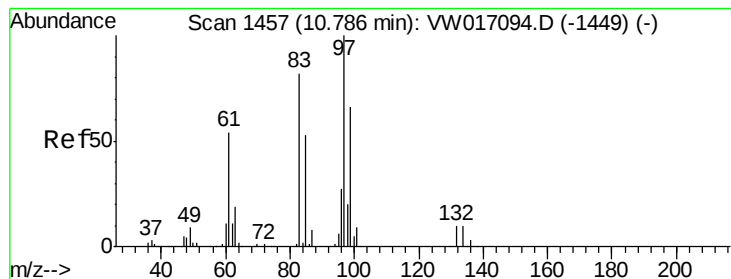
77 32.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 25.116 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 102945

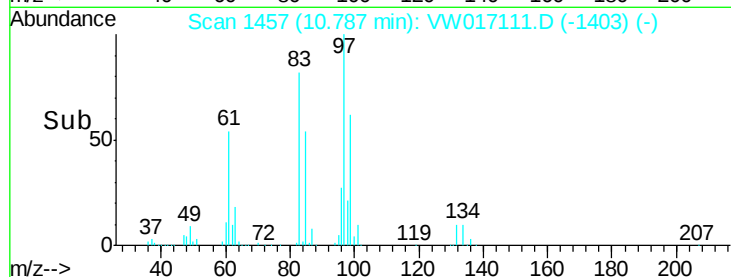
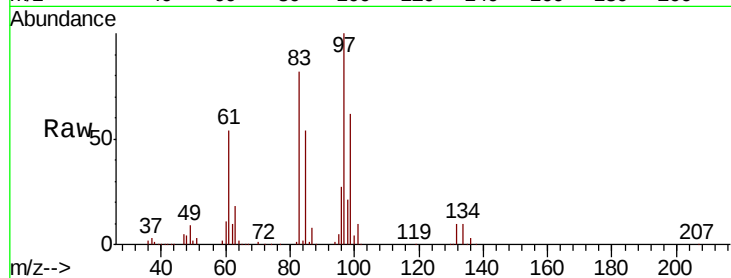
Ion	Ratio	Lower	Upper
97	100		
83	81.6	57.3	106.5
85	54.3	37.2	69.0
99	62.0	45.7	84.9

97 100

83 81.6 57.3 106.5

85 54.3 37.2 69.0

99 62.0 45.7 84.9



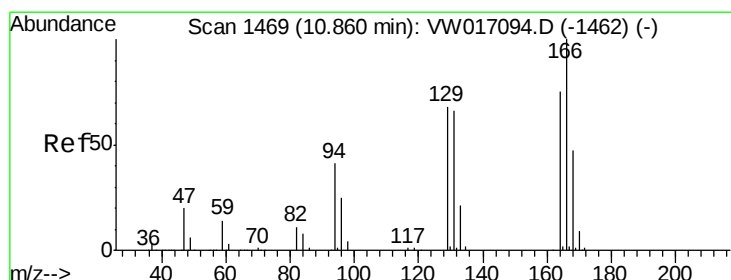
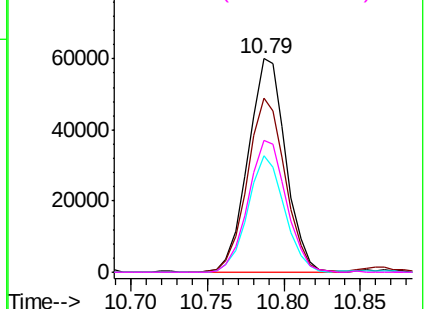
Abundance

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: 25.761 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Tgt Ion: 164 Resp: 132407

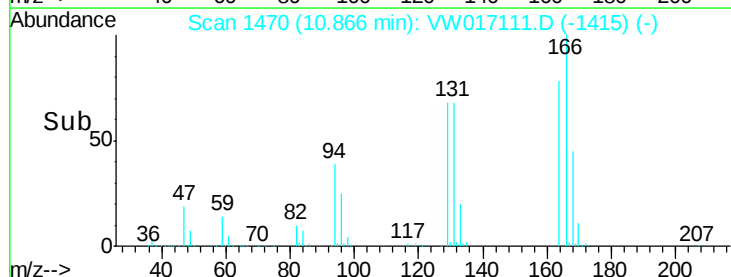
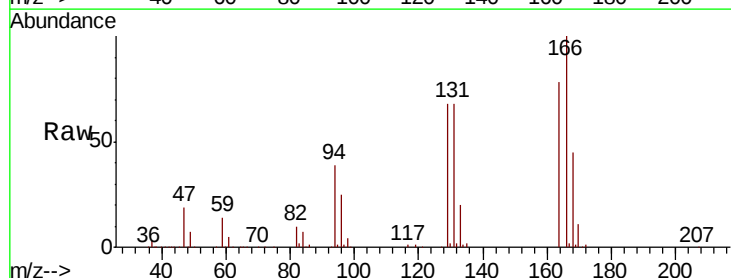
Ion	Ratio	Lower	Upper
164	100		
129	87.2	62.9	116.7
131	87.1	63.3	117.5
166	127.5	92.0	170.8

164 100

129 87.2 62.9 116.7

131 87.1 63.3 117.5

166 127.5 92.0 170.8



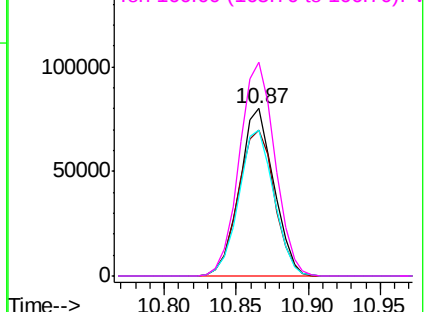
Abundance

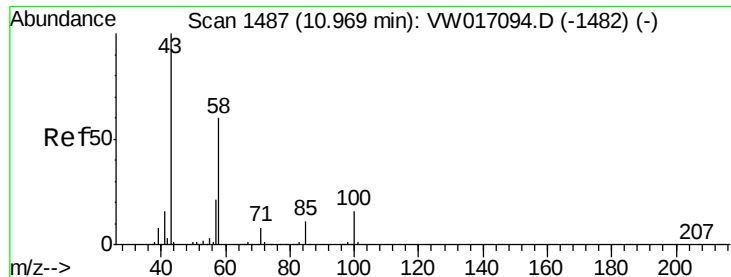
Ion 164.00 (163.70 to 164.70): V

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

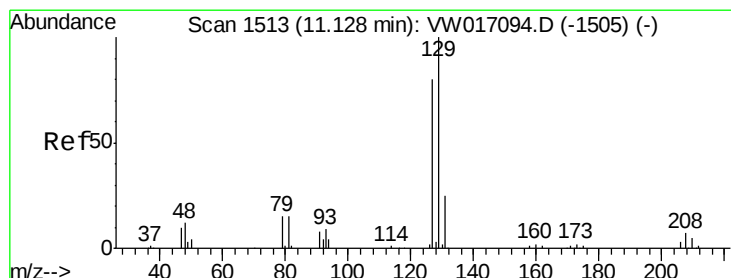
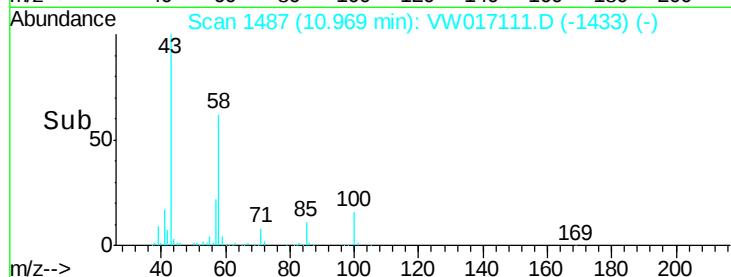
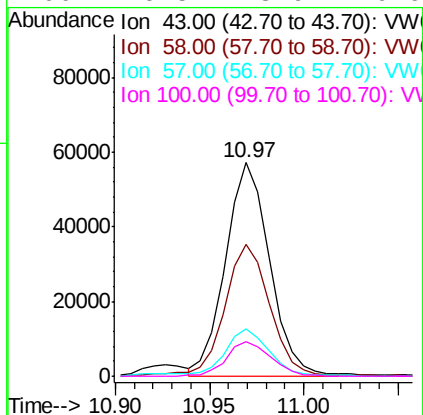
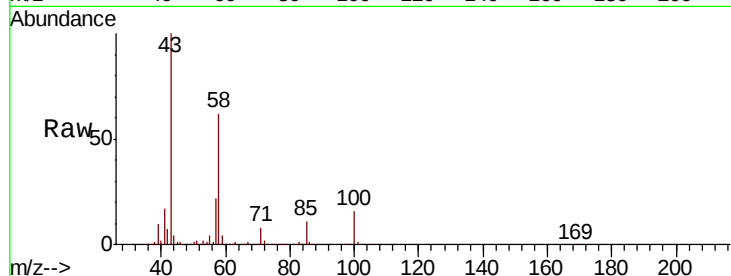




#49
2-Hexanone
Concen: 52.225 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

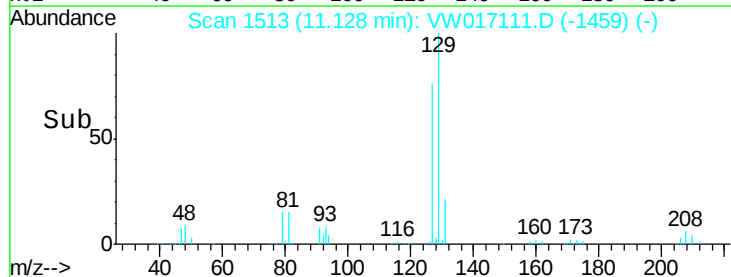
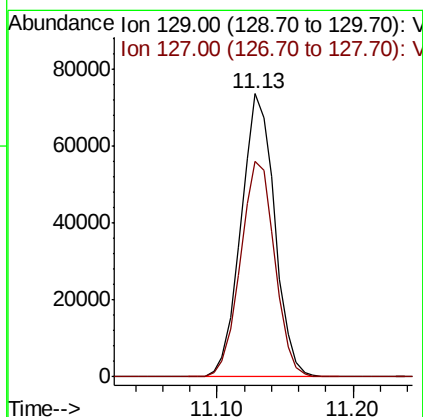
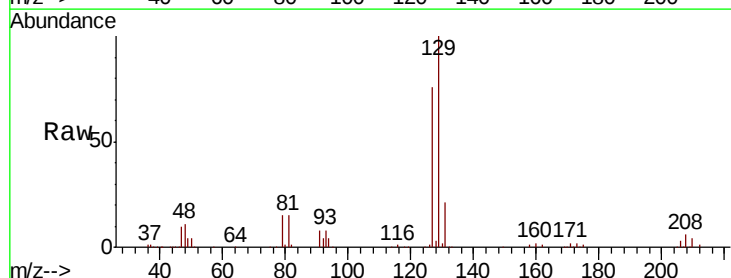
Instrument :
MSVOA_W
ClientSampleId :

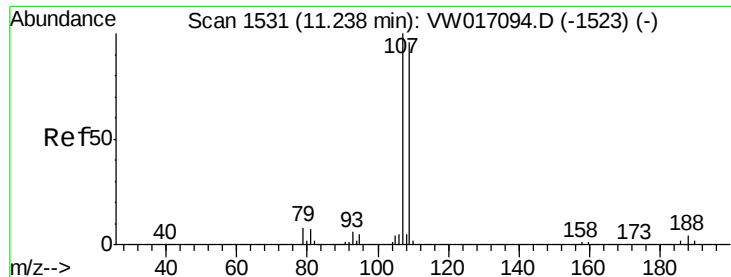
Tot Ion	Ratio	Lower	Upper
43	100		
58	61.9	50.6	75.8
57	22.0	17.8	26.6
100	16.5	13.9	20.9



#50
Dibromochloromethane
Concen: 25.433 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.3	100.9

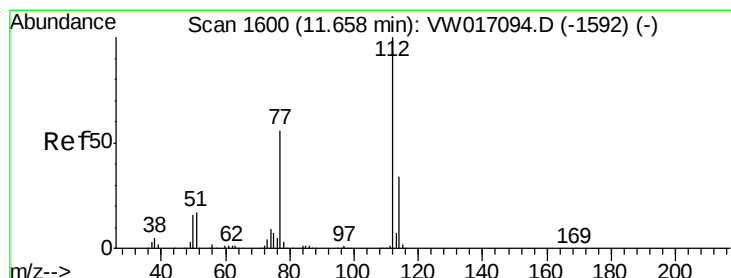
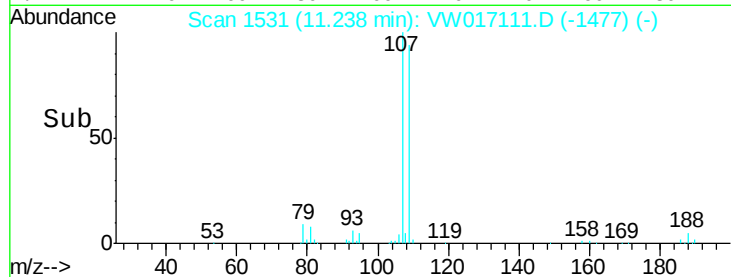
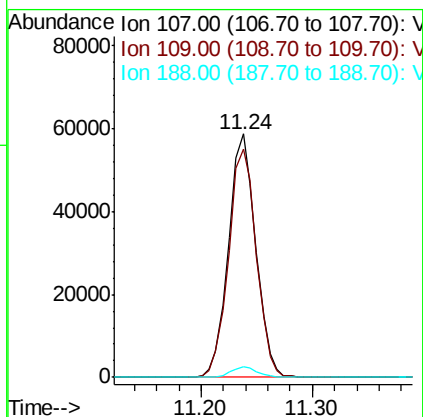
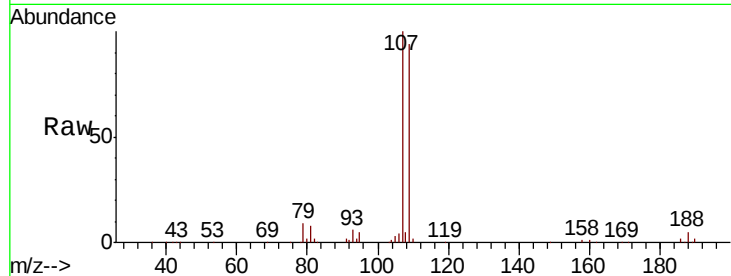




#51
1,2-Dibromoethane
Concen: 25.028 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

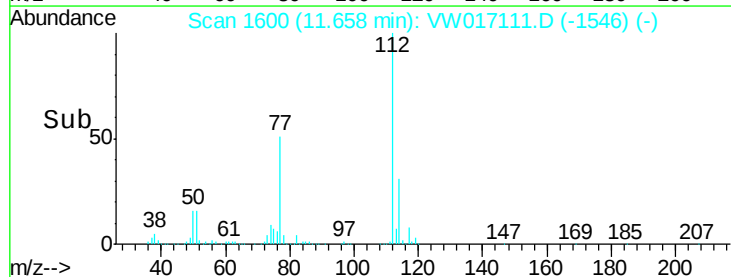
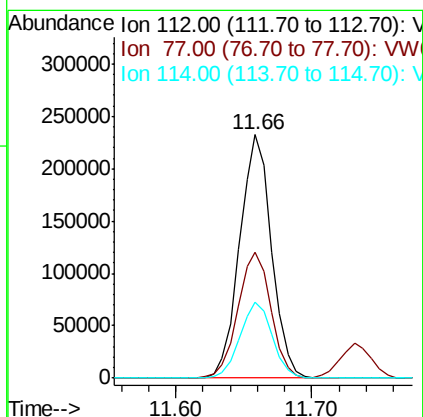
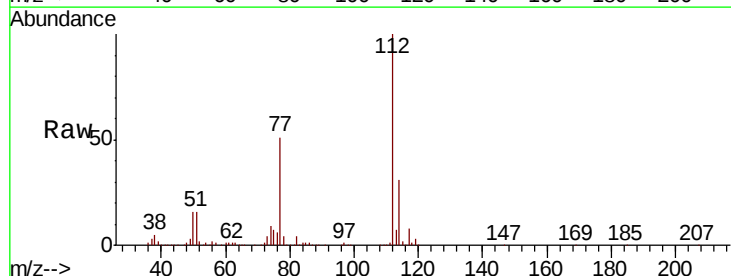
Instrument :
MSVOA_W
ClientSampleId :

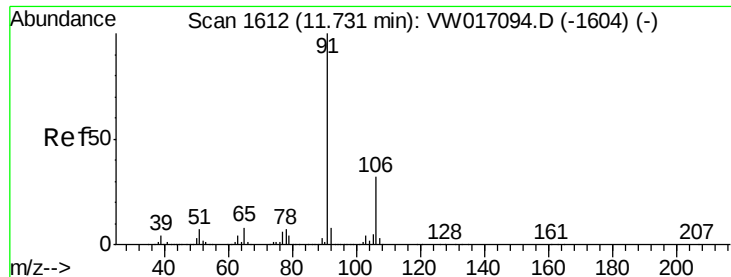
Tot Ion	107	Resp	99659
Ion Ratio	Lower	Upper	
107	100		
109	93.6	64.3	119.5
188	4.5	3.3	4.9



#52
Chlorobenzene
Concen: 25.110 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion	112	Resp	380163
Ion Ratio	Lower	Upper	
112	100		
77	51.5	41.7	62.5
114	31.4	22.3	41.3

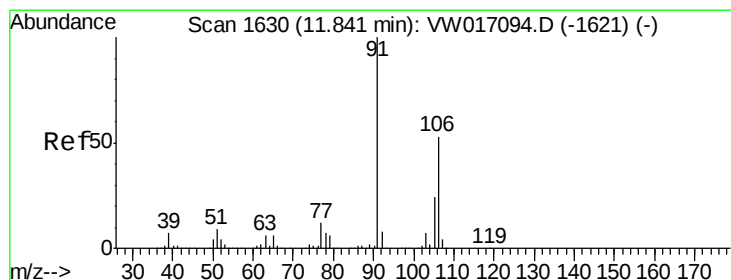
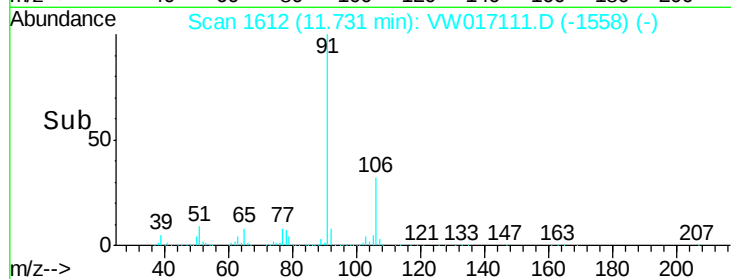
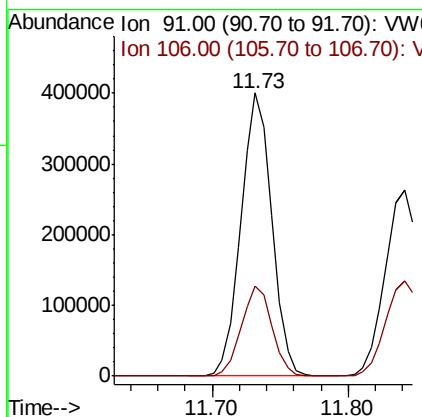
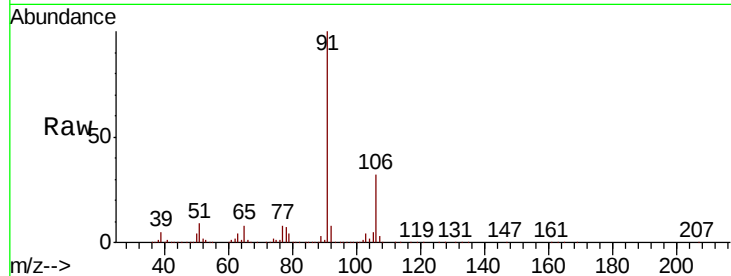




#53
Ethylbenzene
Concen: 25.384 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

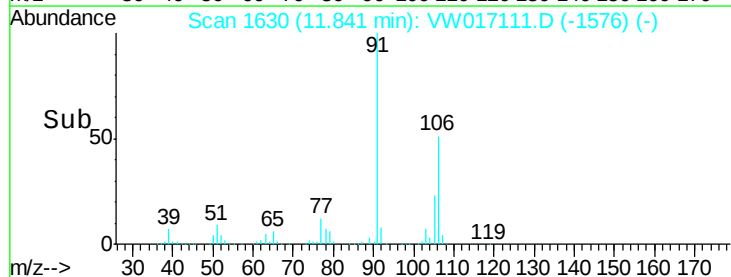
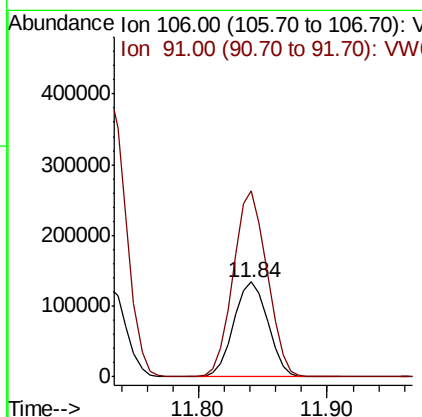
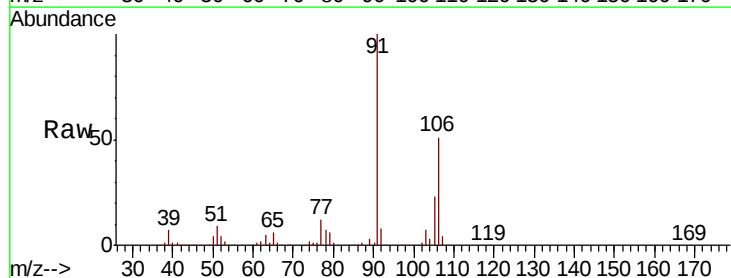
Instrument :
MSVOA_W
ClientSampled :

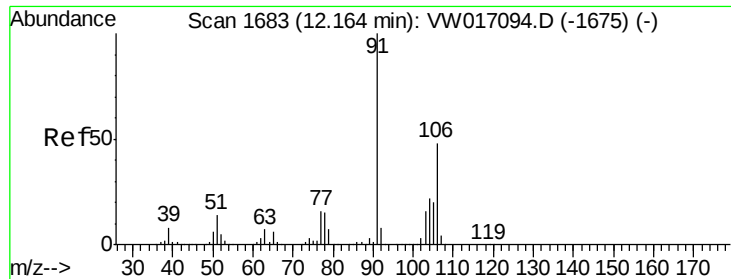
Tot Ion: 91 Resp: 634682
Ion Ratio Lower Upper
91 100
106 31.7 22.9 42.5



#54
m,p-Xylene
Concen: 25.291 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion: 106 Resp: 247359
Ion Ratio Lower Upper
106 100
91 195.9 138.7 257.5

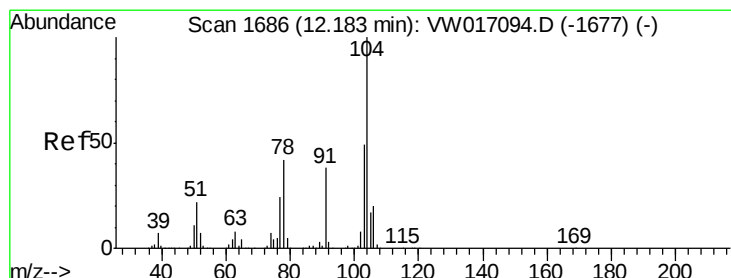
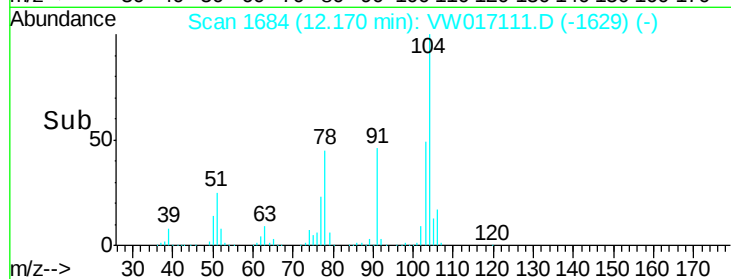
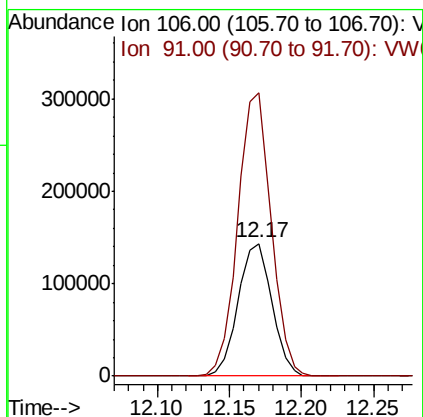
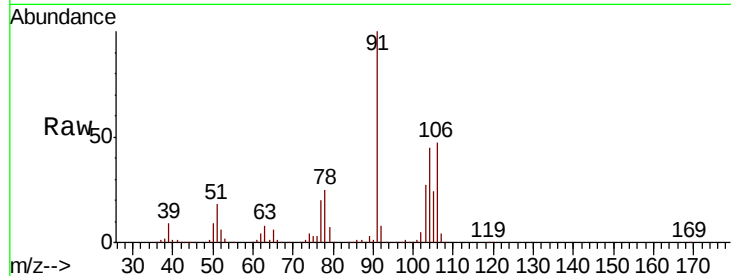




#55
o-xylene
Concen: 25.262 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

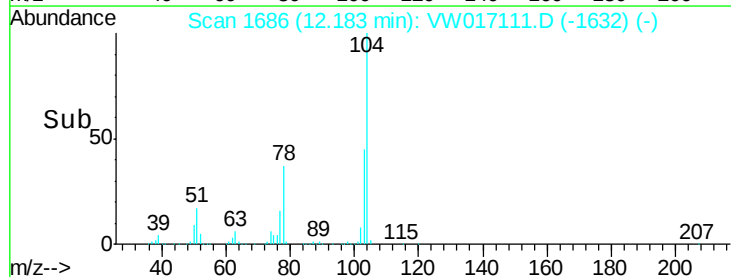
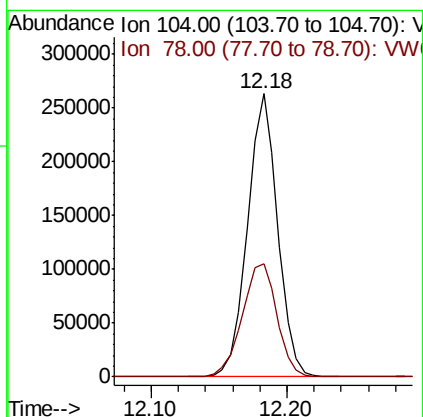
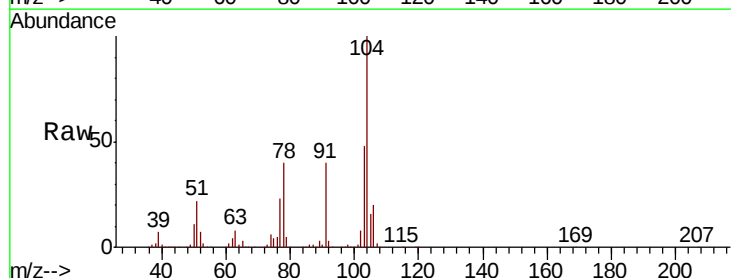
Instrument :
MSVOA_W
ClientSampled :

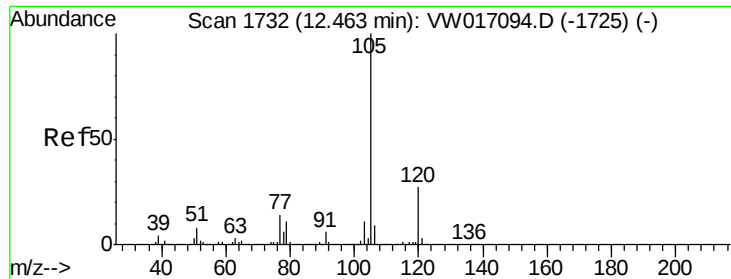
Tot Ion:106 Resp: 234522
Ion Ratio Lower Upper
106 100
91 213.2 140.8 261.4



#56
Styrene
Concen: 26.116 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017111.D
Acq: 06 Nov 2020 19:21

Tgt Ion:104 Resp: 407056
Ion Ratio Lower Upper
104 100
78 40.1 28.2 52.4





#57

Isopropylbenzene

Concen: 25.801 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

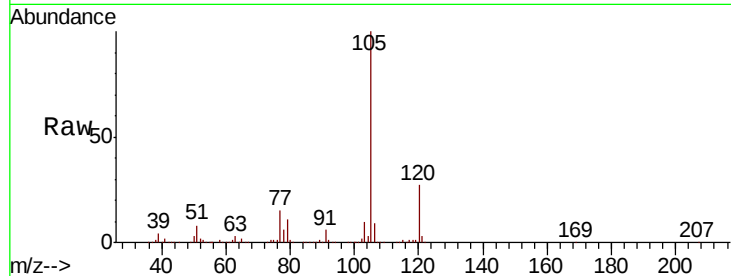
Tot Ion:105 Resp: 650049

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

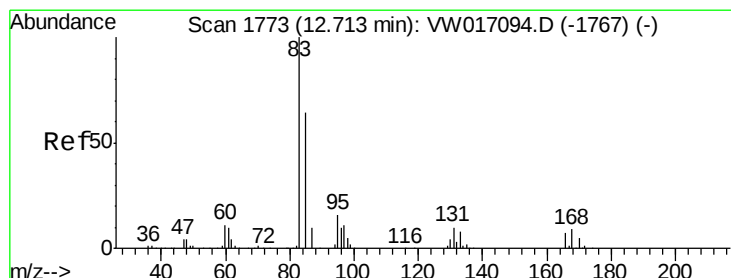
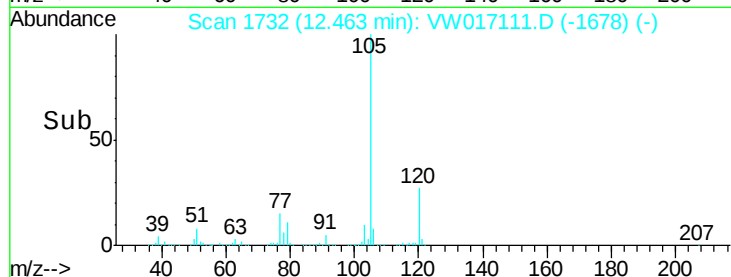
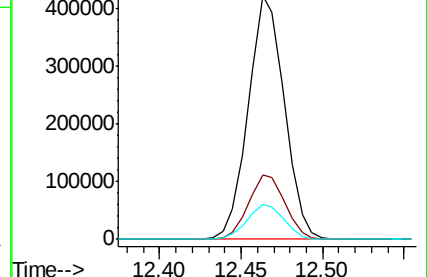
77 14.6 11.4 17.0



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: 25.555 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

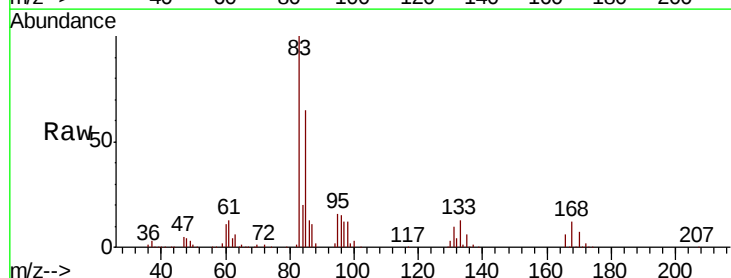
Tgt Ion: 83 Resp: 121002

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

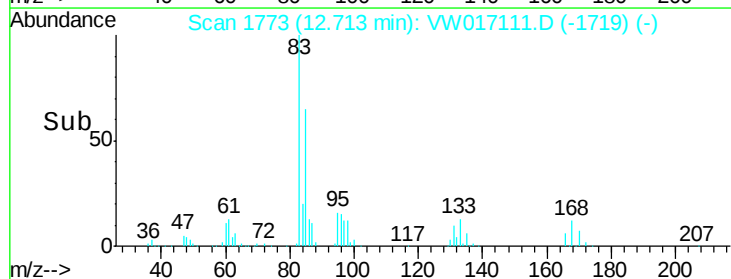
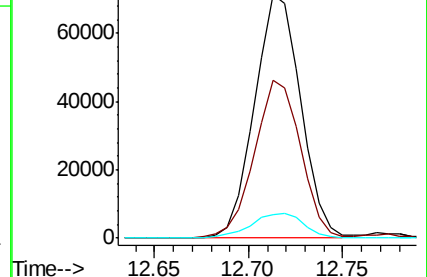
131 9.8 8.8 13.2

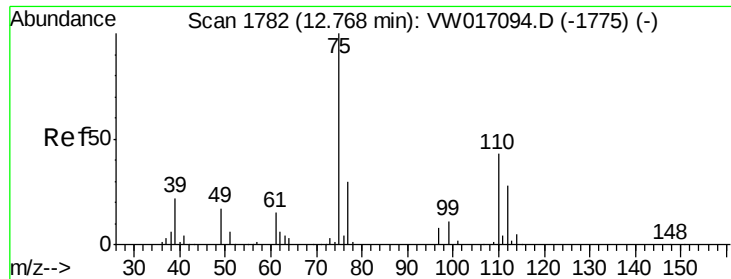


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

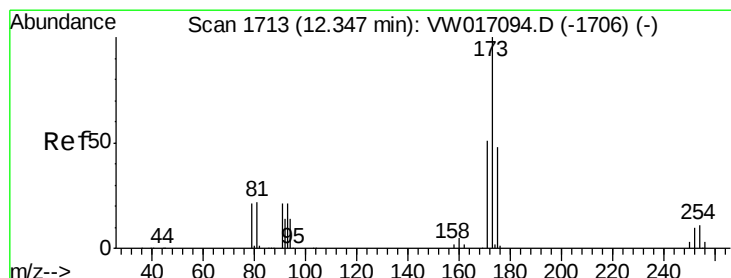
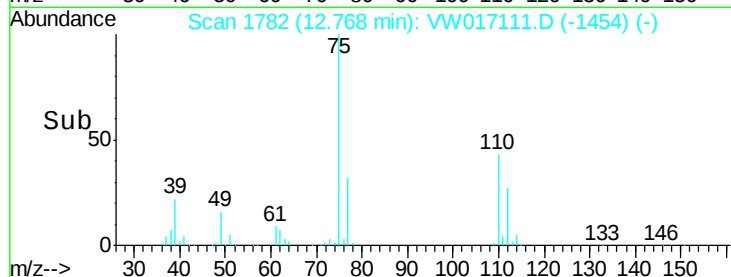
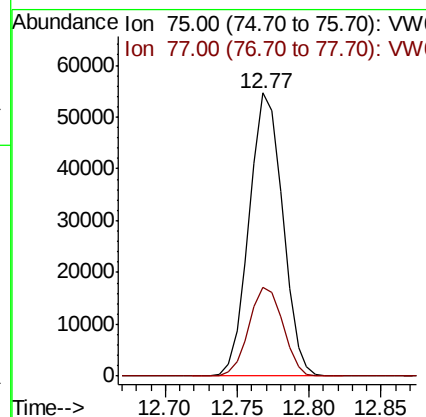
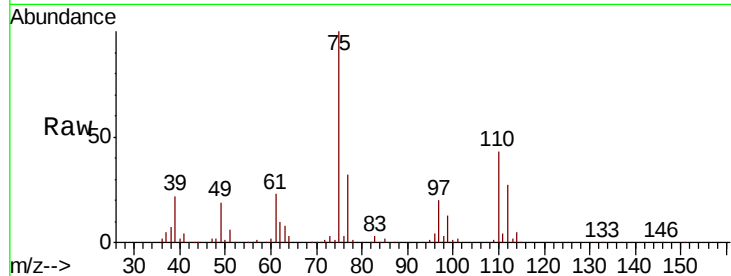




#59
 1,2,3-Trichloropropane
 Concen: 25.913 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

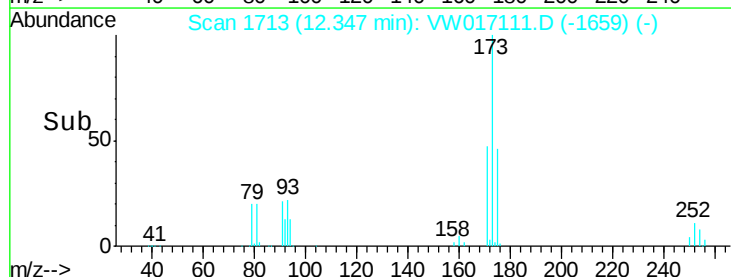
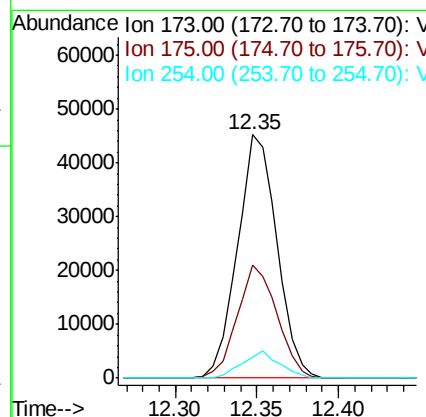
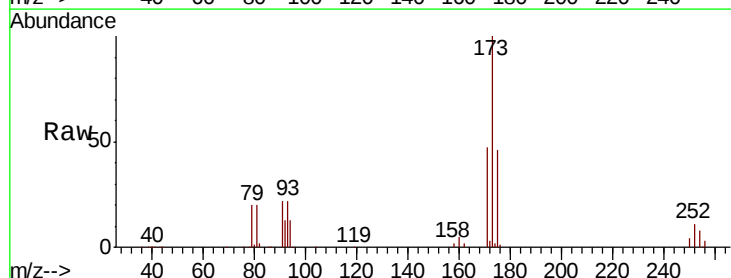
Instrument :
 MSVOA_W
 ClientSampleId :

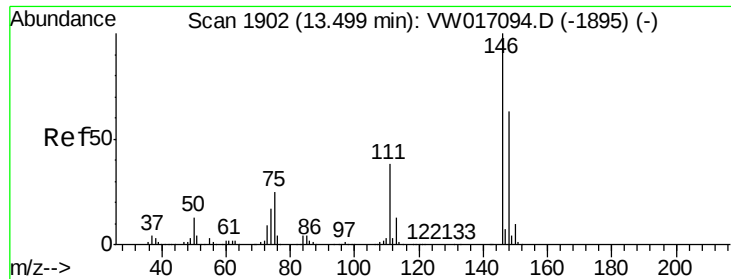
Tot Ion: 75 Resp: 88192
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6



#62
 Bromoform
 Concen: 25.259 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion: 173 Resp: 76104
 Ion Ratio Lower Upper
 173 100
 175 46.9 38.3 57.5
 254 10.3 8.1 12.1

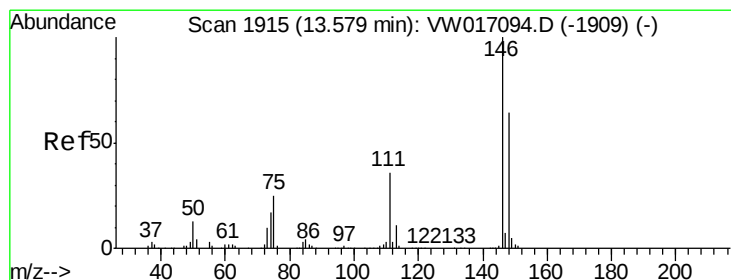
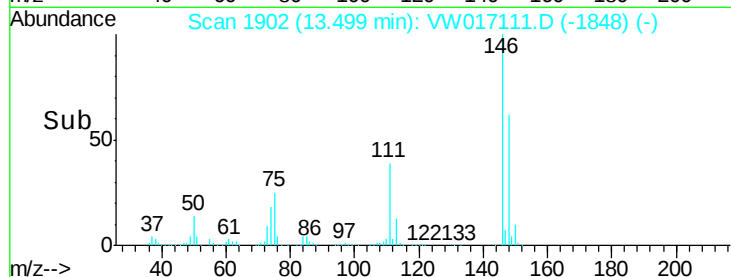
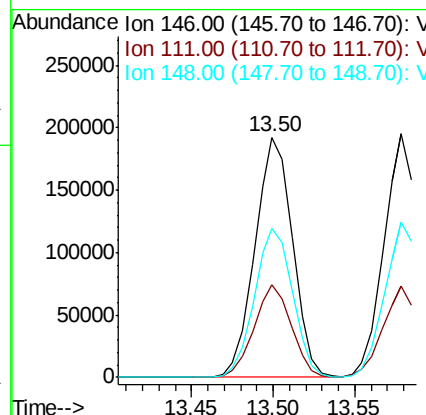
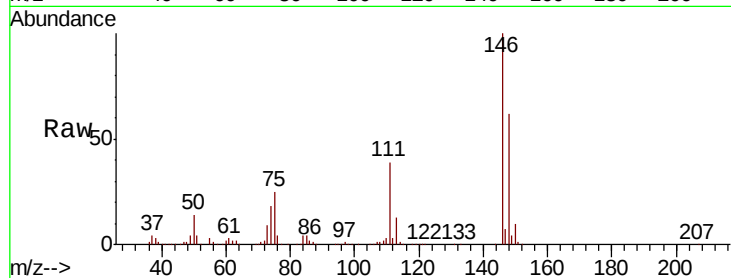




#63
 1,3-Dichlorobenzene
 Concen: 25.251 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

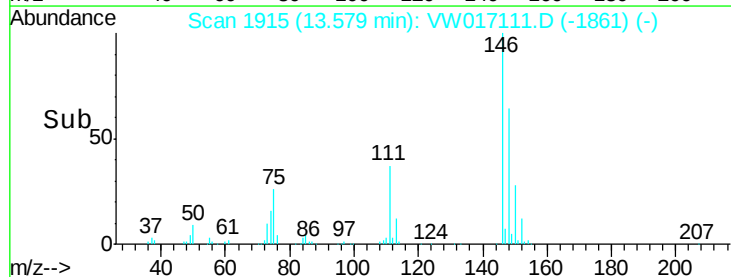
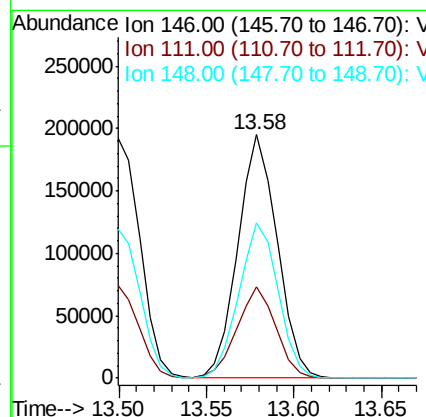
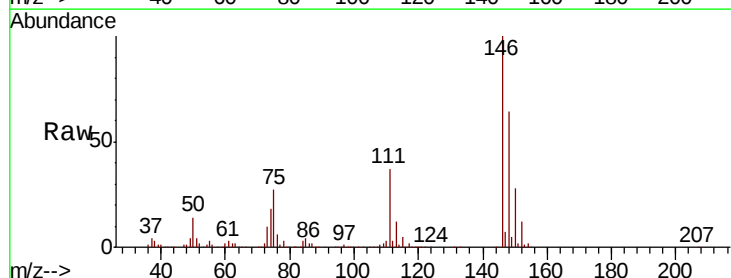
Instrument :
 MSVOA_W
 ClientSampleId :

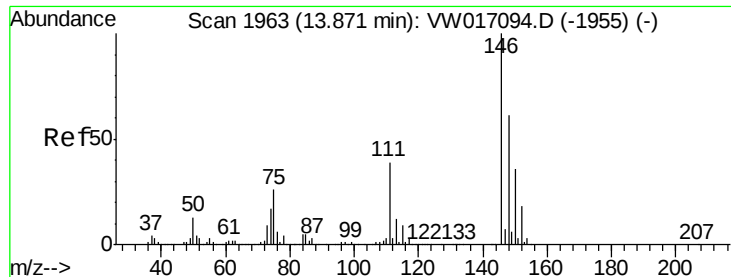
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.4	49.0
148	62.3	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.842 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	24.5	45.5
148	63.5	45.5	84.5





#65

1,2-Dichlorobenzene

Concen: 25.557 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

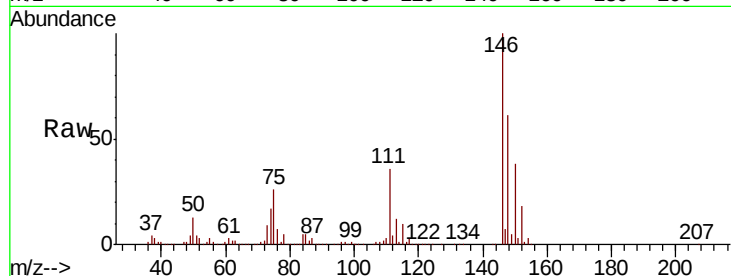
Tot Ion:146 Resp: 281398

Ion Ratio Lower Upper

146 100

111 36.3 30.5 45.7

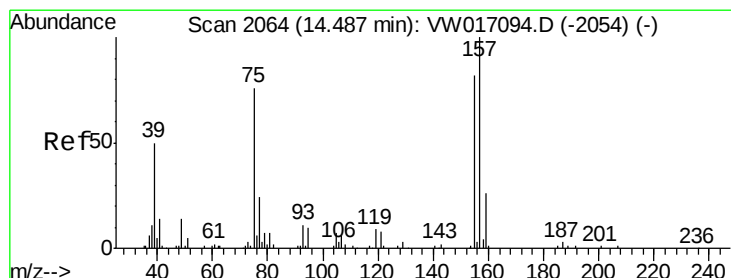
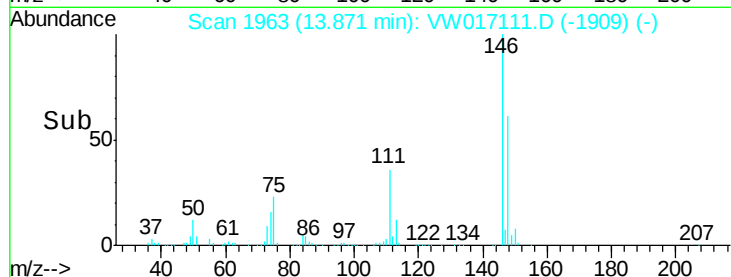
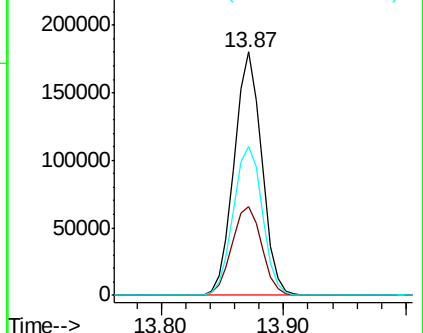
148 60.9 50.3 75.5



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: 25.594 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

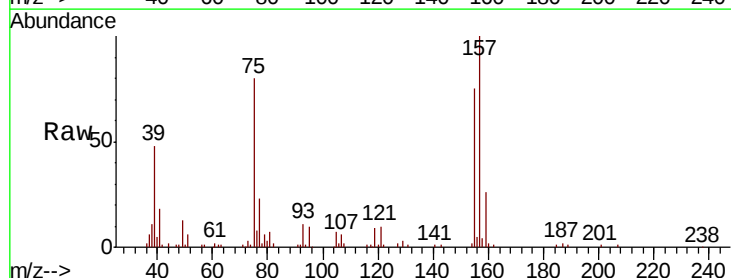
Tgt Ion: 75 Resp: 18632

Ion Ratio Lower Upper

75 100

157 124.9 108.2 162.4

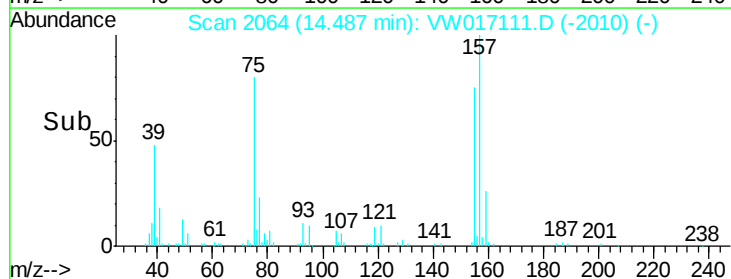
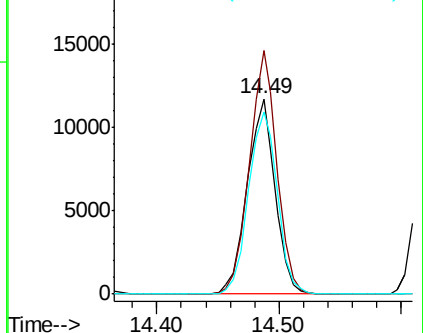
155 93.6 79.1 118.7

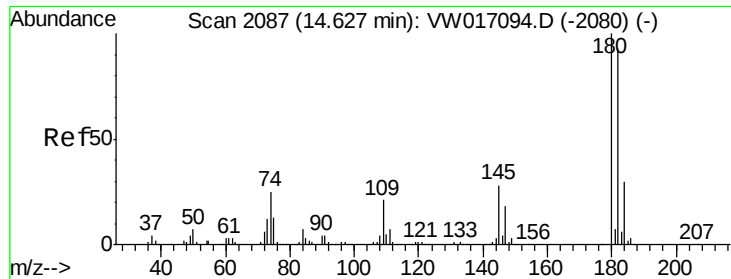


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

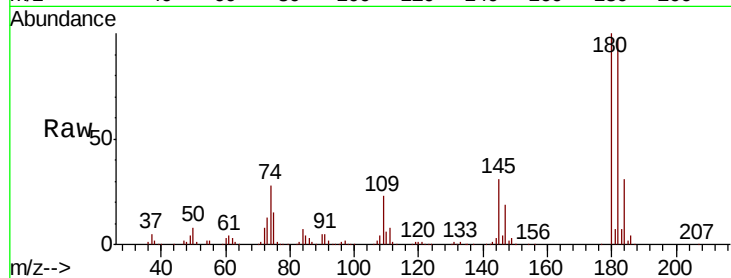




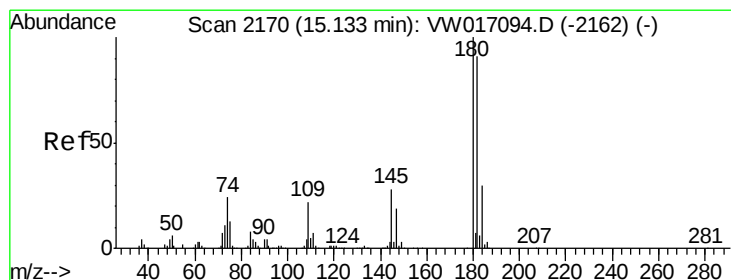
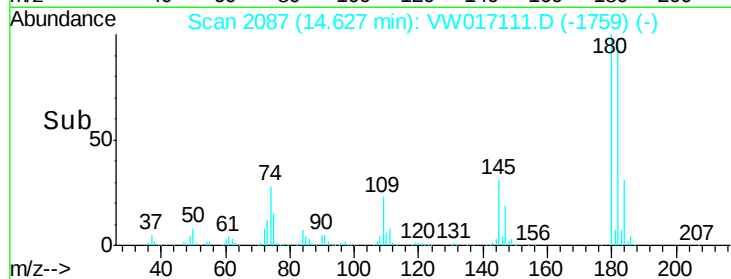
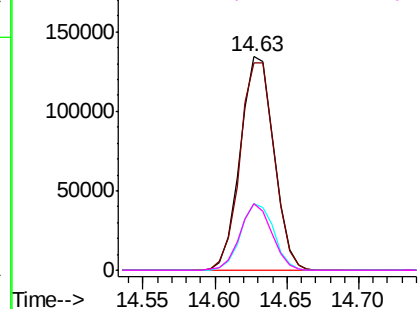
#67
 1,3,5-Trichlorobenzene
 Concen: 24.353 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	219108
Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.2	115.8
184	30.8	24.2	36.4
145	29.5	23.5	35.3

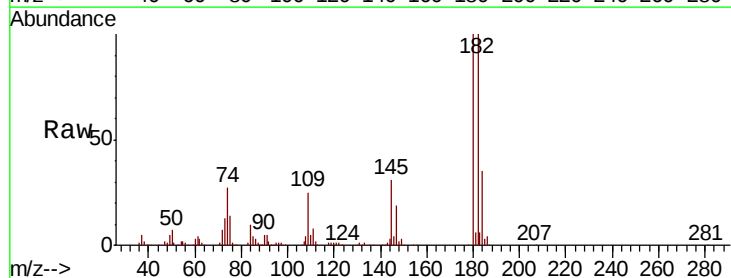


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

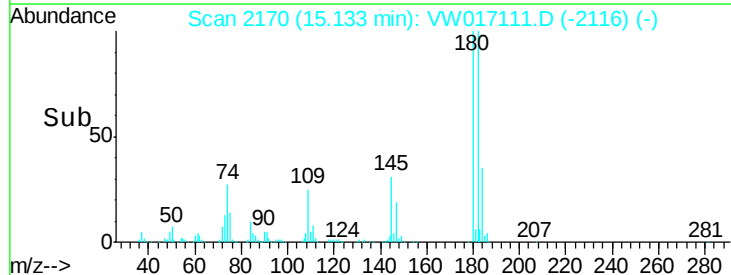
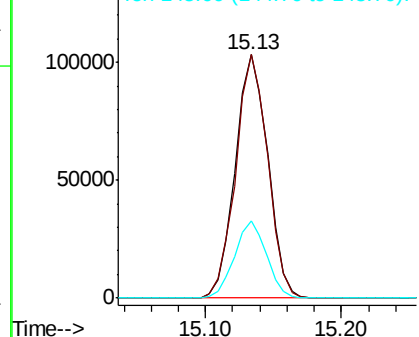


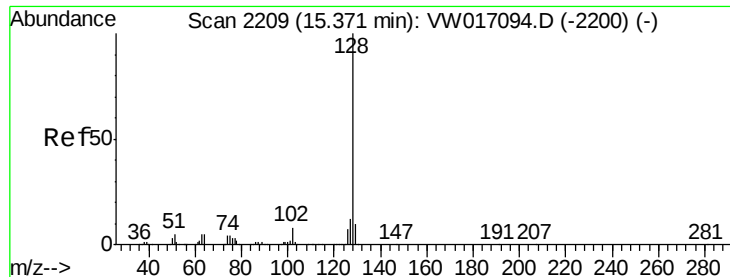
#68
 1,2,4-trichlorobenzene
 Concen: 23.939 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017111.D
 Acq: 06 Nov 2020 19:21

Tgt Ion:	180	Resp:	171881
Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.7	115.1
145	31.0	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: 25.588 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

Instrument :

MSVOA_W

ClientSampled :

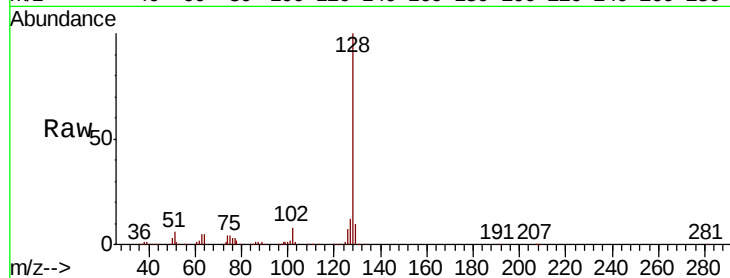
Tot Ion:128 Resp: 338090

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

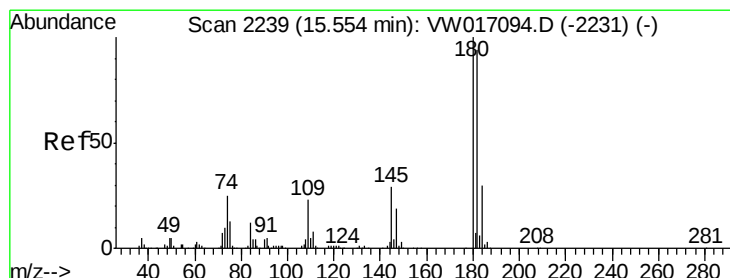
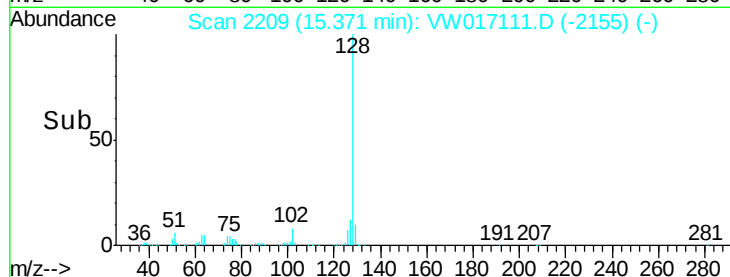
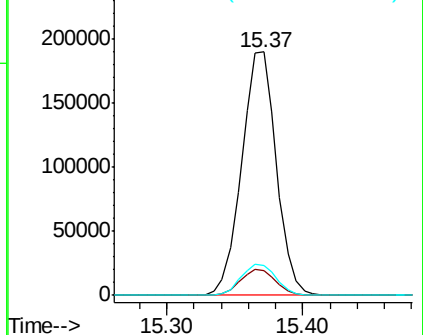
127 12.9 10.2 15.2



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: 24.896 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017111.D

Acq: 06 Nov 2020 19:21

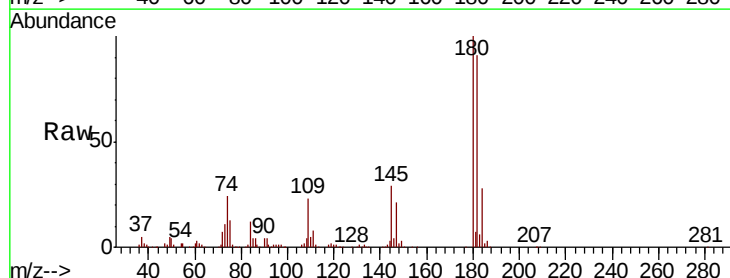
Tgt Ion:180 Resp: 163328

Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

145 30.1 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

